Received by OCD: 10/2/2019 7:57:58 AM

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	
District RP	
Facility ID	
Application ID	

DISTRICT III
FEB 28 2019
NMOCD

Release Notification

Responsible Party

Responsible Party: **Enduring Resources**	OGRID: **372286**
Contact Name: **James McDaniel**	Contact Telephone: **505-444-3004**
Contact email: **jmcdaniel@enduringresources.com**	Incident # *(assigned by OCD)* **NCS-1905249442**
Contact mailing address: **200 Energy Court**	**Farmington, New Mexico 87401**

NOT APPROVED

Location of Release Source

Latitude 36.151204 Longitude -107.570606
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: **N Escavada Unit 315H**	Site Type: **Wellsite**
Date Release Discovered: **2/17/2019**	API# *(if applicable)* **30-043-21888**

Unit Letter	Section	Township	Range	County
L	**10**	**22N**	**7W**	**Sandoval**

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Closure Not Approved,
Closure Report does not meet the Requirements of 19.15.29.12 NMAC
- Incomplete and Correct C-141
- No Sampling map were was SB-97 Collected from?
-No Photos of the remediation prior to backfill

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) **300 BBLS**	Volume Recovered (bbls): **100 BBLS**
☒ Produced Water	Volume Released (bbls): **1,100 BBLS**	Volume Recovered (bbls): **0 BBLS**
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
On 2/17/19, a contractor noticed a release coming from a damaged 6" transfer line that was transferring flowback liquids to the WEU 300H Recycling Facility. The line had an integrity failure, releasing approximately 1,400 bbls of flowback liquids into the bar ditch along the road. Approximately 300 bbls of the liquid was oil, and the rest of the liquid was produced water, based on percentages that were being seen in the flowback tanks. The flowback fluid then traveled along the bar ditch and into a small drainage feature, heading away from the location. The fluids flowed in the drainage feature for approximately 1.4 miles, before entering a larger, unnamed tributary of Escavada Wash. The total distance was 1.66 miles. A dam was built at the end of the spill area, stopping the downstream migration. Cleanup activities re underway.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? **The volume of fluids released is 1,400 bbls, and the volume was released into a small, unnamed wash. For these reasons, the release is considered to be a major release.**
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? **Notice was provided to Cory Smith, NMOCD, at 8:30 PM on 2/17/2019 via phone call. A follow-up email was sent on 2/17/2019 at 11:48 PM, see attached email.**	

Initial Response

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

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

If all the actions described above have not been undertaken, explain why:
Due to access issues in the drainage and wash areas, recovery of free liquids is still on-going. A freshwater flush has been scheduled to begin on 2/26/2019 to capture as much free liquid as possible.

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: James McDaniel Title: HSE Supervisor

Signature: [redacted] Date: 2/25/2019

email: jmcdaniel@enduringresources.com Telephone: 505-444-3004

OCD Only

Received by: Cory Smith Date: 3/6/19

State of New Mexico
Oil Conservation Division

Incident ID	NCS-1905249442
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?	_____ (ft bgs)
Did this release impact groundwater or surface water?	☒ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☒ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NCS-1905249442
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: James McDaniel Title: HSE Supervisor

Signature: Date: 9/30/19

email: jmcdaniels@enduringresources.com Telephone: 505-444-3004

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NCS-1905249442
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Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: James McDaniel Title: HSE Supervisor

Signature: Date: 9/30/19

email: jmcdaniels@enduringresources.com Telephone: 505-444-3004

OCD Only

Received by: Date:

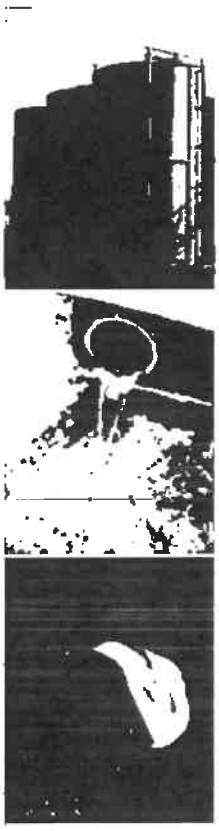
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: NOT APPROVED Date:

Printed Name: Title:

Closure Report does not meet the Requirements of 19.15.29.12 NMAC
- Incomplete and Correct C-141
- No Sampling map were was SB-97 Collected from?
-No Photos of the remediation prior to backfill

12/9/19





REPORT OF FINAL SAMPLING & CLOSURE REQUEST

NEU #315H Release Response
API # 30-043-21888
NMOCD Incident # NCS1905249442
Sandoval County, New Mexico

October 1, 2019

Prepared for:

ENDURING RESOURCES, LLC
Sandoval County, New Mexico

Prepared by:

LT ENVIRONMENTAL, INC.
848 East Second Avenue
Durango, Colorado 81301
970.385.1096

LT Environmental, Inc.
Advancing Opportunity

REPORT OF FINAL SAMPLING & CLOSURE REQUEST

NEU #315H Release Response
Sandoval County, New Mexico

Project Number: 077919003

Prepared by: _____ October 1, 2019

Daniel Burns
LTE Project Geologist

Date

Reviewed by: Ashley L. Ager October 1, 2019

Ashley Ager, M.S., P.G.
LTE Vice Principal

Date

DISTRIBUTION LIST

New Mexico Oil Conservation Division

Bureau of Indian Affairs, Federal Indian Minerals Office

Navajo Nation Environmental Protection Agency

United States Environmental Protection Agency Region IX

Bureau of Land Management

United States Army Corps of Engineers

Enduring Resources, LLC

LT Environmental, Inc.

TABLE OF CONTENTS

1.0 INTRODUCTION 1-1

2.0 BACKGROUND 2-1

3.0 SITE CHARACTERIZATION AND REGULATORY STANDARDS 3-1

3.1 Regulatory Agencies 3-1

3.2 Regulatory Standards and Criteria 3-1

3.3 SAP/QAPP 3-1

3.4 Potential Receptors 3-2

4.0 REMEDIATION ACTIVITIES 4-1

4.1 Dam Construction 4-1

4.2 Flushing 4-1

4.3 Oil Absorbent Booms/Pads 4-1

4.4 Runoff Inspections and Surface Water Sampling 4-1

4.5 Soil and Vegetation Removal 4-2

4.6 Hydrovacuum Truck Recovery 4-2

4.7 Unmanned Aerial Vehicle Flights 4-2

5.0 CONFIRMATION SOIL SAMPLING 5-1

5.1 Initial Sampling Results 5-1

5.1.1 Additional Soil Removal 5-2

5.2 Second Report of Soil Sampling Results 5-2

5.2.1 Dam Deconstruction and Additional Soil Removal 5-3

5.2.2 Biological Amendment Application 5-3

5.3 Third Report of Soil Sampling Results 5-3

5.3.1 Additional Soil Removal and Hydrovacuum Activities 5-4

5.4 Fourth Report of Soil Sampling Results 5-4

5.4.1 Secondary Biological Amendment Application 5-4

6.0 IN SITU REMEDIATION AND FINAL CONFIRMATION SOIL SAMPLING 6-5

6.1 Confirmation Soil Sampling 6-5

6.2 Confirmation Soil Sample Analytical Results 6-5

7.0 DEVIATIONS FROM SAP/QAPP 7-6

8.0 CONCLUSION AND REQUEST FOR CLOSURE 8-7

TABLE OF CONTENTS (continued)

FIGURES

FIGURE 1	SITE LOCATION MAP
FIGURE 2	RECEPTOR MAP
FIGURE 3	SITE MAP
FIGURE 4	RELEASE EXTENT
FIGURE 5	SOIL SAMPLING MAP

TABLES

TABLE 1	SURFACE WATER ANALYTICAL RESULTS
TABLE 2	SOIL SAMPLING LOG
TABLE 3	SOIL ANALYTICAL RESULTS
TABLE 4	QUALITY CONTROL ANALYTICAL RESULTS

APPENDICES

APPENDIX A	LABORATORY ANALYTICAL REPORTS

1.0 INTRODUCTION

LT Environmental, Inc. (LTE), on behalf of Enduring Resources, LLC (Enduring) presents this report of final soil sampling results and a formal request for closure for the NEU #315H production well release (Site). This is the fifth and final report documenting remediation and soil sampling activities conducted in response to a release of 1,400 barrels (bbls) of flowback fluids on February 17, 2019. Based on the results presented in this report, Enduring has successfully completed spill response and remediation throughout the entirety of the impacted areas within the release footprint. Extensive soil removal and *in situ* remediation via biological amendment applications have been successful in the previously impacted areas and continued monitoring is no longer required. Enduring is respectfully requesting that a No Further Action Status be granted for the NEU #315H.

2.0 BACKGROUND

On February 17, 2019, a release occurred during flowback operations at the NEU #315H oil and natural gas production well located on the Nacimiento Formation outcrop east-southeast of Escavada Wash in the northwest quarter of the southwest quarter (Unit L) of Section 10, Township 22 North, Range 7 West, Sandoval County, New Mexico, approximately 7.5 miles southwest of Counselor, New Mexico (Figure 1). The Site and associated release footprint are within the exterior boundaries of the Navajo Reservation, but on fee surface (Indian Allotted). A cam lock on an aboveground flowline outside of the well pad containment berm failed, resulting in flowback liquids flowing offsite and under an access road through culverts to an area of level topography where the fluids ran as sheet flow until channeling into a nearby drainage. This unnamed drainage is a second-order tributary to Escavada Wash, located approximately 1.25 miles east-northeast. Approximately 1,400 bbls of flowback fluids from the wellbore were released, of which 300 bbls were estimated to be crude oil. The released liquids travelled approximately 5,500 feet down the wash until an emergency dam was built by hand for containment. The dam held temporarily, but meltwater associated with snow on the ground eventually broke the dam and fluids migrated past a confluence of the second-order tributary into a first-order tributary of Escavada Wash. Another dam was constructed downgradient of the confluence for containment.

Emergency release response activities began immediately with fluid recovery, boom deployment, and construction of six underflow dams to divert fluid flow and minimize the release footprint. A flushing event was proposed and initially conducted but aborted after higher temperatures caused significant runoff in the release footprint. Daily inspections of the entire length of the affected washes were conducted to map the most downgradient observable evidence of impacted soil, vegetation, and/or sheen. Once melt runoff subsided and containment was confirmed, Enduring initiated remediation and worked with regulatory agencies to develop a confirmation sampling plan. A New Mexico Oil Conservation Division (NMOCD) Release Notification Form C-141 was prepared and provided by Enduring to the NMOCD and all other regulatory agencies.

3.0 SITE CHARACTERIZATION AND REGULATORY STANDARDS

Wellstream fluids as defined in New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (19.15.29.7) were released from the wellbore during flowback operations and included a combination of produced water and crude oil. Releases of well stream fluids are regulated by the NMOCD under 19.15.29 NMAC and contaminants of concern are identified in Table 1 of 19.15.29.12 NMAC as benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH – the total sum of gasoline range organics [GRO], diesel range organics [DRO], and motor oil range organics [MRO]), and chloride.

3.1 Regulatory Agencies

Due to the location of the Site and the release path into a wash, multiple regulatory agencies were involved in the oversight and enforcement of remediation efforts. The lease surface area is part of the Eastern Navajo allotted tribal land, so the Bureau of Indian Affairs (BIA) - Federal Indian Minerals Office (FIMO), the Navajo Nation Environmental Protection Agency (NNEPA), and the United States Environmental Protection Agency (EPA) Region IX were involved. As the release path flowed into a navigable surface water, the United States Army Corps of Engineers (USACE) also assumed jurisdiction of the release in the wash extent. Since the impacted wash tributary eventually flows into bodies of water on federally-owned land, the Bureau of Land Management (BLM) was also involved. As the release was a result of oil and natural gas activity within the state, the NMOCD is in charge of the final approval of closure status of the release.

3.2 Regulatory Standards and Criteria

Based on presumed depth to groundwater and, in accordance with 19.15.29.12 NMAC, Table 1, *Closure Criteria for Soils Impacted by a Release,* the following apply:

- 10 milligrams per kilogram (mg/kg) benzene;
- 50 mg/kg total benzene, BTEX;
- 100 mg/kg TPH; and
- 600 mg/kg chloride.

All regulatory agencies involved mutually agreed to adhere to the NMAC Table 1 criteria and did not institute any additional regulatory standards or additional contaminants of concern.

3.3 SAP/QAPP

In order to follow the EPA data quality objective processes, a Sampling Analysis Plan (SAP) was drafted to establish the project organization, project goals, data objectives, data criteria, data collection, quality assurance, and sampling analysis for the remediation activities following the release. In addition to the SAP, a Quality Assurance Project Plan (QAPP) was drafted and submitted to the regulatory agencies for review on April 19, 2019. All regulatory agencies replied and approved the submitted SAP and QAPP by April 23, 2019.

3.4 Potential Receptors

The unnamed first and second order tributaries immediately affected by the release eventually feed into the Escavada Wash and ultimately the San Juan River. Depth to groundwater is estimated to be less than 50 feet below ground surface (bgs) in the most downgradient portions of the release footprint. The nearest permitted domestic water well to the release extent, as defined by the most downgradient extent of observed soil staining (SJ-02508, owned by Mr. Cash A. Carruth) is approximately 3.8 miles to the southwest and has a total depth of 20 feet bgs recorded in drilling logs. The nearest spring is located approximately 4.1 miles southwest of the release extent. The nearest continuously flowing water is the San Juan River, approximately 40 miles to the north. Other than water resources, the nearest potential receptor is a permanent residence approximately 2,900 feet south of the release extent. Potential receptors are identified on Figure 2.

4.0 REMEDIATION ACTIVITIES

Since the initial discovery of the release on February 17, 2019, a concerted effort to halt impact migration and remediate impact to soil has taken place at the Site. A chronological description of remediation efforts is described below. Previously submitted reports, including the SAP, include extensive details of release response activities not described in this section. The SAP additionally describes and characterizes the release footprint.

4.1 Dam Construction

Following the immediate emergency response actions conducted after the release discovery, several underflow dams were constructed throughout the second- and first-order tributaries to Escavada Wash to minimize migration of well stream fluids further downstream. A total of six underflow dams (Dams 1, 2, 3A, 3B, 4, and 5) were constructed with native fill material and reinforced with sandbags and impermeable plastic lining. The locations of the dams are presented on Figure 3. Dams were routinely inspected and repaired/reinforced as necessary, primarily after precipitation and wash runoff events. Any pooled liquids were recovered via vacuum truck and hydro-vacuuming.

4.2 Flushing

Enduring proposed flushing the affected wash with freshwater to displace oil from areas in the wash that were still frozen or covered in snow from recent precipitation. On February 26, 2019, approximately 240 bbls of freshwater were released into an area above the channelized release footprint. However, the flushing activities were soon aborted due to increasing temperatures resulting in accelerated snowmelt and naturally-running wash conditions.

4.3 Oil Absorbent Booms/Pads

Oil absorbent booms were placed across the wash in numerous areas and absorbent pads were placed in areas with standing liquids (Figure 3). The booms and pads were routinely inspected and replaced once they were saturated. There were six sections of oil absorbent booms extending across the entire width of the first-order tributary installed downgradient of Dam 5. Additionally, a SwiftWater® oil containment boom was installed downgradient of Dam 5 to divert any petroleum hydrocarbons to a central collection point comprised of oil absorbent booms.

4.4 Runoff Inspections and Surface Water Sampling

During, or immediately after runoff events, LTE inspected the entire length of the affected washes, including 4.75 miles downgradient of Dam 5 as far as the County Road 7900 bridge crossing. Inspections included mapping the most downgradient observable evidence of impacted soil, vegetation, and/or sheen. Visual observations consisted of globules of crude oil on vegetation or soil and discolored soil. Impacted soil was mapped and scheduled for removal. Results of those inspections are presented on Figure 4.

If sufficient runoff water was present in the wash, a surface water sample was collected downgradient of Dam 5. Water samples were submitted to Pace Analytical Services, LLC (Pace Analytical) of Mount Juliet,

Tennessee, for analysis of BTEX by EPA Method 8015 and chloride by EPA Method 300.0. Laboratory analytical results of water samples collected below the last dam are summarized in Table 1. Complete laboratory analytical reports are included in Appendix A.

4.5 Soil and Vegetation Removal

Following runoff and sufficient drying within the wash extent, the areas with visibly observable surficial impacts were marked for removal. Crews were dispatched into the washes to remove visibly impacted soil and vegetation via hand digging and excavation using skid steers.

From March 6 to March 26, 2019, a total of 2,200 cubic yards of soil were removed via excavation, and a total of 1,342 bbls of sludge (runoff containing impacted soil) was removed from the washes and underflow dam areas. Impacted soil, vegetation, and sludge were loaded and transported for disposal at the Envirotech Landfarm (Envirotech) south of Bloomfield in San Juan County, New Mexico.

Additional excavation events occurred following soil sampling and are described in subsequent sections of this report.

4.6 Hydrovacuum Truck Recovery

Between the initial release response date and April 19, 2019, a total of 3,900 bbls of liquids were recovered from the wash and underflow dam areas by vacuum truck or hydrovacuum. Recovered liquids were transported to a nearby Enduring wastewater recycling facility where solids and liquids were separated via settling and the remaining impacted liquids were hauled for disposal to Agua Moss in Bloomfield, New Mexico.

Following additional precipitation events, vacuum trucks were used to recover any liquids with sheen or foam accumulating upgradient of the dams. Liquids were also recovered from the dam areas to expedite soil drying for soil sampling and remediation efforts.

4.7 Unmanned Aerial Vehicle Flights

Throughout the course of the project, unmanned aerial vehicles were used to fly over the release extent and collect data. Digital elevation topography and orthomosaic aerial imagery were created to help track soil volumes removed during remediation activities.

5.0 CONFIRMATION SOIL SAMPLING

After submittal and approval of the SAP and QAPP, LTE conducted soil sampling to assess residual impact to soil associated with the release. In accordance with the approved SAP and QAPP, the total impacted surface area within the release footprint was segmented into 2,000-square foot areas using global positioning system (GPS) and field measurements (Figure 5). Each segmented area was marked with labeled wooden stakes and flagging in preparation for sampling. Once the wash was deemed sufficiently dry to sample after recent precipitation events, a 48-hour notification for sampling was provided to the regulatory agency contacts.

5.1 Initial Sampling Results

On April 29, 2019, LTE personnel were on site to collect confirmation and site characterization soil samples per the approved SAP and QAPP. Representatives from the NMOCD and BLM (also representing FIMO) were present to witness sampling procedures and to identify any additional discrete sample locations based on visual observations. A total of 113 ten-point composite surface area samples, 52 discrete soil boring samples, and seven discrete grab samples were collected, including all proposed field duplicate samples. The samples were handled and transported under chain-of-custody procedures to Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico for analysis of BTEX, TPH-GRO, TPH -DRO, TPH-MRO, and chloride.

On May 8, 2019, eight additional samples were collected once additional drying occurred in the wash. This sampling event was witnessed by the NMOCD, BLM, and FIMO. The samples were collected and submitted under previously described and approved methods per the SAP and QAPP.

A complete soil sampling log (listing sample ID, collection time, field headspace result, lithology, and any observable petroleum hydrocarbon discoloration or odor) for each sample is attached as Table 2. Soil analytical results are summarized in Table 3. Results from the quality control samples are presented in Table 4. Complete analytical reports are included in Appendix A.

Analytical results indicated all samples were compliant with NMOCD Table 1 Closure Criteria for benzene, BTEX, and chloride. The following samples were not compliant with NMOCD Table 1 Closure Criteria for TPH concentration:

Sample ID	TPH Concentration (mg/kg)
SA-007	120
SA-055	6,250
SA-060	534
SA-C (SA-060 Duplicate)	339
SA-078	136
SA-081	184
SA-104	310
SB-097-01	307
GR-07	5,946

A complete description and summary of the results from the initial sampling event was described in the *Initial Soil Sampling Results* update letter report submitted to all involved parties on May 20, 2019. Additional soil removal and subsequent soil sampling was proposed in that report and was approved by all regulatory agencies by May 29, 2019.

5.1.1 Additional Soil Removal

Following approval of the initial soil sampling results, additional soil removal activities began on June 5, 2019, in the areas where recalcitrant TPH concentrations existed. Crews were dispatched to remove additional soil via hand digging, skid steer, and backhoe, while LTE geologists provided excavation oversight and field screening. Through June 10, 2019, an additional total of 545 cubic yards of impacted material was removed. Regulatory agencies were given 48-hour notification and a subsequent confirmation soil sampling event was scheduled for June 13, 2019.

5.2 Second Report of Soil Sampling Results

On June 13, 2019, LTE personnel were on site to collect confirmation soil samples per the approved SAP and QAPP. Representatives from the NMOCD and FIMO were present to witness sampling procedures and to identify any additional discrete sample locations based on visual observations. A total of six ten-point composite surface area samples, three new discrete soil boring samples, and one discrete grab sample were collected, plus two field duplicate samples and three field blanks. Additionally, four excavation confirmation soil samples were collected from the area below the culvert area across from the production pad. Subsurface impacts warranted deeper excavation and regulators on site agreed to sample the excavation with NMOCD standard five-point composites along the sidewall and base of the excavation floor. Two five-point sidewall and two five-point floor confirmation soil samples were collected. No additional samples were requested by the regulatory representatives on site. All samples were collected, handled, and submitted for analysis to Hall under previously described methods per the approved SAP and QAPP.

Analytical results indicated all samples were compliant with NMOCD Table 1 Closure Criteria for benzene, BTEX, and chloride. The following samples were not compliant with NMOCD Table 1 Closure Criteria for TPH concentration:

Sample ID	TPH Concentration (mg/kg)
SA-104R	426
GR-07R	1,275
EX-FS01	595.7

A complete description and summary of the results from the second sampling event was described in the *Second Report of Soil Sampling Results* update letter report submitted to all involved parties on June 26, 2019. At this time, LTE proposed additional soil removal of the impacted soil in the wash surface and at the culvert excavation, as well as deconstructing the dams and removing any impacted materials below the temporary dams. LTE also proposed applying a biological amendment on the residually impacted cut bank area between dams 3A and 3B as a means of in-situ remediation. This was proposed as result of the extensive amount of clean overburden requiring removal and the natural hydrologic deconstruction that

would have occurred if the cut bank area was excavated mechanically. The proposed additional remediation activities were approved by all regulatory agencies by July 3, 2019.

5.2.1 Dam Deconstruction and Additional Soil Removal

After receiving approval of the proposed additional remediation activities, LTE personnel and the construction contractor were on site to begin dam deconstruction and additional soil removal from July 9 to July 17, 2019. Another 862 cubic yards of impacted material, along with an additional 65 bbls of liquids were removed from the remaining affected areas and dam areas. Regulatory agencies were given 48-hour notification and a subsequent confirmation soil sampling event was scheduled for July 19, 2019.

5.2.2 Biological Amendment Application

On July 12, 2019, LTE personnel were on site to apply approximately 500 gallons of a three percent solution of Micro-Blaze® to the area where a visible lens of hydrocarbon staining in the cut bank of the wash near dams 3A and 3B. The liquid mixture was applied using a high-flow two-inch centrifugal pump and a pressurized sprayer nozzle to maximize penetration and saturation into the lens to promote biodegradation and in-situ remediation.

5.3 Third Report of Soil Sampling Results

On July 19, 2019, LTE personnel were on site to collect confirmation soil samples per the approved SAP and QAPP in areas that previously exceeded NMOCD Table 1 Closure Criteria for TPH and in areas that were previously saturated or where temporary dams were previously located. Representatives from the NMOCD and FIMO were present to witness sampling procedures and to identify any additional discrete sample locations based on visual observations. A total of seven ten-point composite surface area samples, ten discrete soil boring samples, and one five-point excavation floor confirmation soil samples were collected, plus two field duplicate samples and three field blanks. No additional samples were requested by the regulatory representatives on site. All samples were collected, handled, and submitted for analysis to Hall under previously described methods per the approved SAP and QAPP.

Analytical results indicated all samples were compliant with NMOCD Table 1 Closure Criteria for benzene, BTEX, and chloride. The following samples were not compliant with NMOCD Table 1 Closure Criteria for TPH concentration:

Sample ID	TPH Concentration (mg/kg)
SB-106-01	514
EX-FS01R	710

A complete description and summary of the results from the second sampling event was described in the *Third Report of Soil Sampling Results* update letter report submitted to all involved parties on July 31, 2019. Based on the most recent soil sampling results, LTE proposed additional soil removal via excavation and hydrovacuum activities with continued oversight and field screening until another confirmation sampling event was warranted. LTE also continued monitoring the wash cut bank area where the biological amendment was applied. The proposed remediation activities were approved by all regulatory agencies and confirmation sampling event was scheduled for August 2, 2019.

5.3.1 Additional Soil Removal and Hydrovacuum Activities

Following receipt of the analytical results from the July 19, 2019, sampling event, LTE and the construction contractor immediately began additional soil removal activities in the area around Dam 1. A hydrovacuum truck was used for additional soil removal efforts in the excavation area below the culvert due to nearby high-pressure underground utilities. An additional total of 273 cubic yards of impacted soil and 195 bbls of liquids were removed from the remaining affected areas. Regulatory agencies were given 48-hour notification and a subsequent confirmation soil sampling event was scheduled for August 2, 2019.

5.4 Fourth Report of Soil Sampling Results

On August 2, 2019, LTE personnel were on site to collect more confirmation soil samples that previously exceeded NMOCD Table 1 Closure Criteria for TPH. In addition, a discrete soil sample was collected in the area where Micro-Blaze® amendment was applied. A representative from the BLM was present to witness sampling procedures and to identify any additional discrete sample locations based on visual observations. One discrete soil boring sample and one five-point excavation floor confirmation soil sample were collected, plus one field duplicate and three field blanks. No additional samples were requested by the regulatory representatives on site. All samples were collected, handled, and submitted for analysis to Hall under previously described methods per the approved SAP and QAPP.

Analytical results indicate all confirmation samples collected were compliant with NMOCD Table 1 Closure Criteria for benzene, BTEX, TPH, and chloride. One discrete soil sample exceeded NMOCD Table 1 Closure Criteria concentrations for TPH:

Sample ID	TPH Concentration (mg/kg)
GR-07RR	2,627

A complete description and summary of the results from the second sampling event is described in the *Fourth Report of Soil Sampling Results* update letter report submitted to all involved parties on August 16, 2019. LTE recommended a secondary application of the biological amendment to enhance in-situ remediation of the recalcitrant petroleum hydrocarbons present in the wash cut bank.

5.4.1 Secondary Biological Amendment Application

On August 13, 2019, LTE personnel were on site to apply approximately 500 gallons of a three percent solution of Micro-Blaze® to the visible lens of hydrocarbon staining in the cut bank of the wash near dams 3A and 3B. The solution was applied in the same manner as previously described. Additionally, several borings throughout the impacted interval were drilled using a hammer-drill and a one-inch diameter, 13-inch long auger bit to create perforations for the amendment to penetrate the impacted interval deeper. Following the second application, LTE recommended allowing the Micro-Blaze® amendment additional time for biological activation before confirmation sampling.

6.0 IN SITU REMEDIATION AND FINAL CONFIRMATION SOIL SAMPLING

LTE proposed *in situ* remediation of the residual impacts in the wash cut bank area between dams 3A and 3B by application of Micro-Blaze®, an EPA emergency response-approved proprietary blend of wetting agents, nutrients, and non-pathogenic bacteria, to the impacted soil via mechanical spray application. The biological amendment works in conjunction with the native conditions to enhance natural degradation, using oxygen from the ambient air, natural microbes, supplemental microbes, and supplemental electron acceptors. The microbes promote hydrocarbon degradation and site remediation through metabolic processes, where the microbes oxidize organic compounds to release energy, build cellular material, and promote cellular processes. The amendment allows the petroleum hydrocarbons to release from the sorbed state in the soil pore matrix, to be broken down into smaller species, to dissolve in the amendment and supplemental water, and promotes a biological oxidation reaction until there are no petroleum hydrocarbons remaining in the soil.

There were two applications of the biological amendment, for an approximate total of 1,000 gallons of three percent solution applied to the impacted interval in the wash cut bank area between dams 3A and 3B. LTE periodically field screened the impacted interval to monitor the progress of the biodegradation. After field screening and analytical results indicated a significant decline in observable petroleum hydrocarbon impacts in the wash cut bank interval, a confirmation soil sampling event was scheduled for September 4, 2019, after providing the regulatory agencies 48-hour notification.

6.1 Confirmation Soil Sampling

On September 4, 2019, LTE personnel were on site to collect a discrete soil sample from the interval in the wash cut bank area between dams 3A and 3B. Representatives from the NMOCD and BLM were present to witness sampling procedures and to identify any additional discrete sample locations based on visual observations. Only one discrete grab sample was collected from the previously impacted area, plus three field blanks. No additional samples were requested by the regulatory representatives on site. All samples were collected, handled, and submitted for analysis to Hall under previously described methods per the approved SAP and QAPP.

6.2 Confirmation Soil Sample Analytical Results

Analytical results indicate the discrete soil sample collected on September 4, 2019, from the previously impacted interval in the wash cut bank is compliant with NMOCD Table 1 Closure Criteria for benzene, BTEX, TPH, and chloride.

A complete soil sampling log (listing sample ID, collection time, field headspace result, lithology, and any observable petroleum hydrocarbon discoloration or odor) for each sample is attached as Table 2. Soil analytical results are summarized in Table 3. Results from the quality control samples are presented in Table 4. Complete analytical reports are included in Appendix A.

7.0 DEVIATIONS FROM SAP/QAPP

The following summarizes any noted deviations from the SAP or QAPP:

- Prior to the initial sampling event, the impacted wash extent was segmented into approximate 2,000 square foot areas using GPS. An estimated 108 areas were projected to be sampled in the SAP. Upon preparing the wash for the initial sampling event, surface and topographic conditions such as bends in the wash, dictated shortening or extending segments as necessary. In total, there were actually 111 areas of approximately 2,000 square feet that were sampled;
- There was no designated nomenclature described in the SAP for samples that were collected again in the same location or area as samples that had previously exceeded NMOCD Table 1 Closure Criteria. For samples that were collected again, an "R" was added to the end of the sample identification. If a sample was collected multiple times an additional "R" was added each time. For example, discrete grab sample "GR-07RR" is the second sample collected, the third overall, of grab sample number seven; and
- The trip blanks were not labeled as described in the SAP. The courier service offered by the laboratory analytical contractor supplied a trip blank with each cooler delivered during each sampling event and the laboratory labeled each sample as "Trip Blank." To differentiate between the numerous sampling events and trip blanks collected, a sequential alphabetic character was added to each trip blank submitted. For example, the quality control sample "Trip Blank D" was the fourth trip blank sample collected.

8.0 CONCLUSION AND REQUEST FOR CLOSURE

Based on the soil laboratory analytical results, Enduring has removed the impacts to soil from the affected wash area as a result of the release that occurred on February 17, 2019. A total of 3,880 cubic yards of impacted soil were removed and hauled for disposal. A total of 5,502 bbls of liquids were removed during remediation activities. Approximately 1,000 gallons of three percent solution of Micro-Blaze® biological amendment was applied to enhance biodegradation for *in situ* remediation of recalcitrant petroleum hydrocarbons in the wash cut bank area.

Due to the extensive remediation efforts and according to the confirmation soil sampling results indicating all samples collected comply with 19.15.29.12 NMAC, Table 1, *Closure Criteria for Soils Impacted by a Release*, Enduring respectfully requests that a No Further Action status be granted to this Site. As remediation activities have ceased at the Site and in the affected wash areas, reclamation efforts are already underway in close coordination with FIMO. Reclamation will be addressed by Enduring with the appropriate regulatory agencies under separate cover.

FIGURES

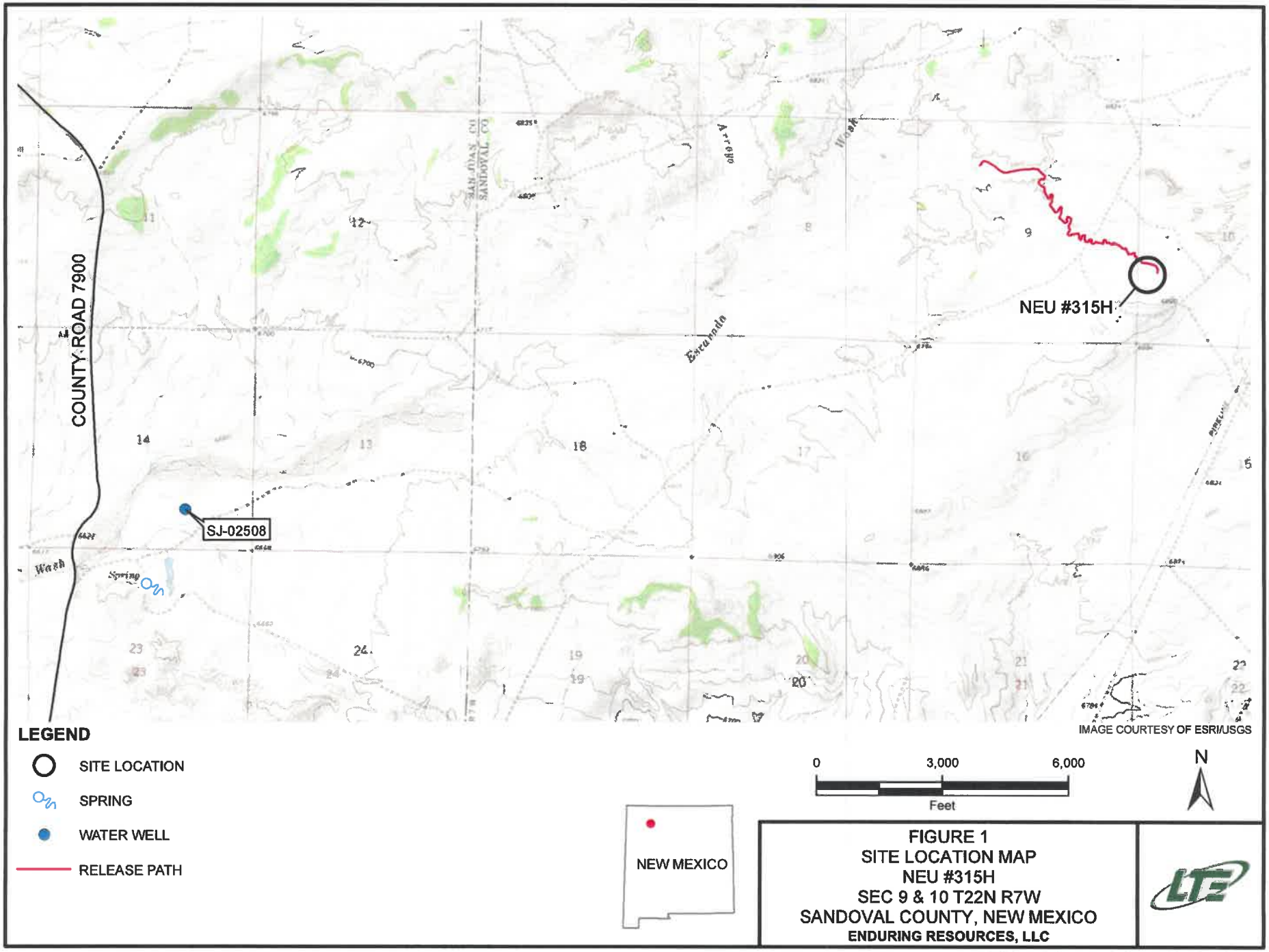
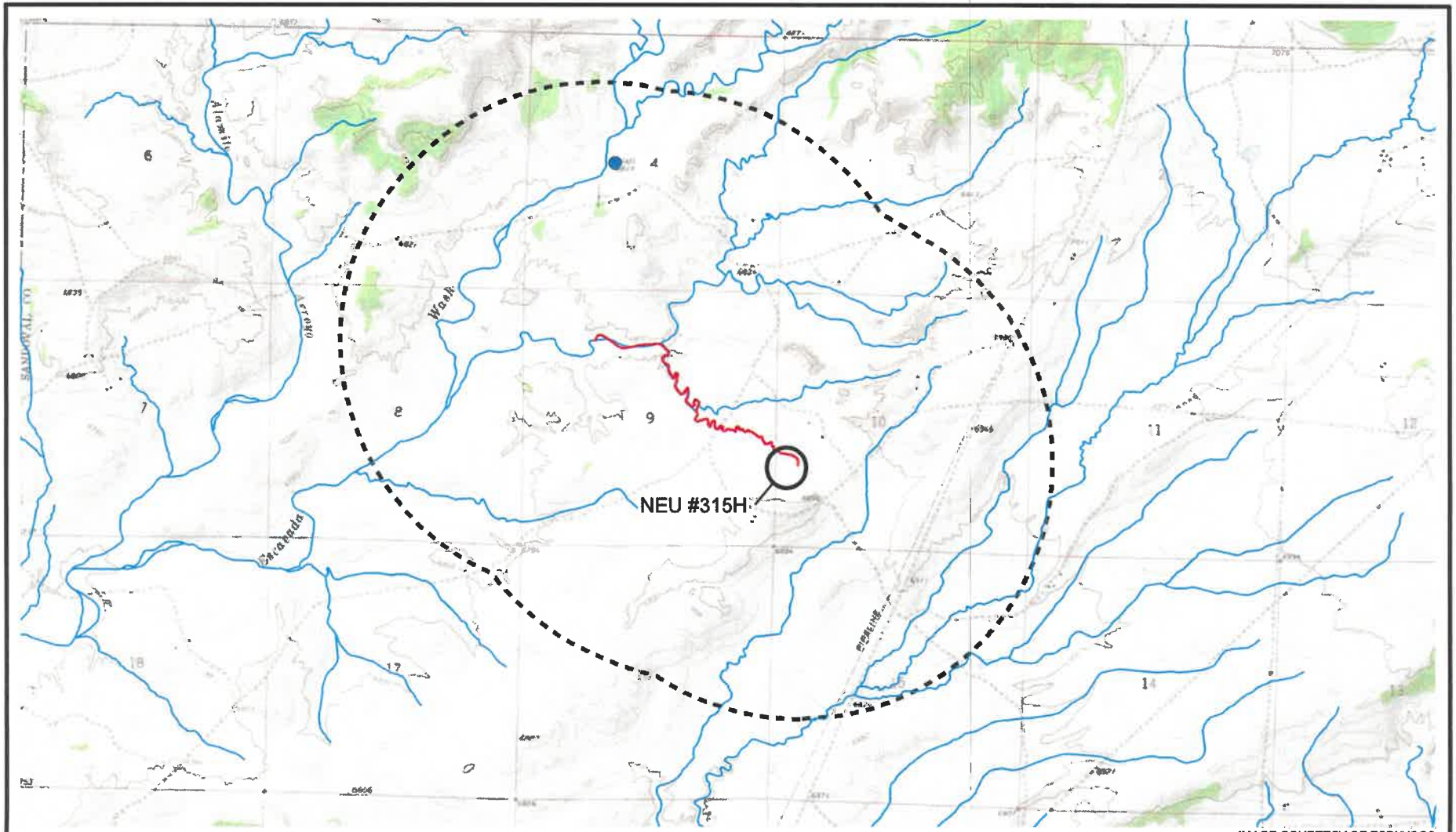


FIGURE 1
SITE LOCATION MAP
NEU #315H
SEC 9 & 10 T22N R7W
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

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LEGEND

- SITE LOCATION
- UNKNOWN WELL
- RELEASE PATH
- NATIONAL HYDROGRAPHY DATASET SURFACE WATER FEATURE
- RELEASE 1 MILE RADIUS

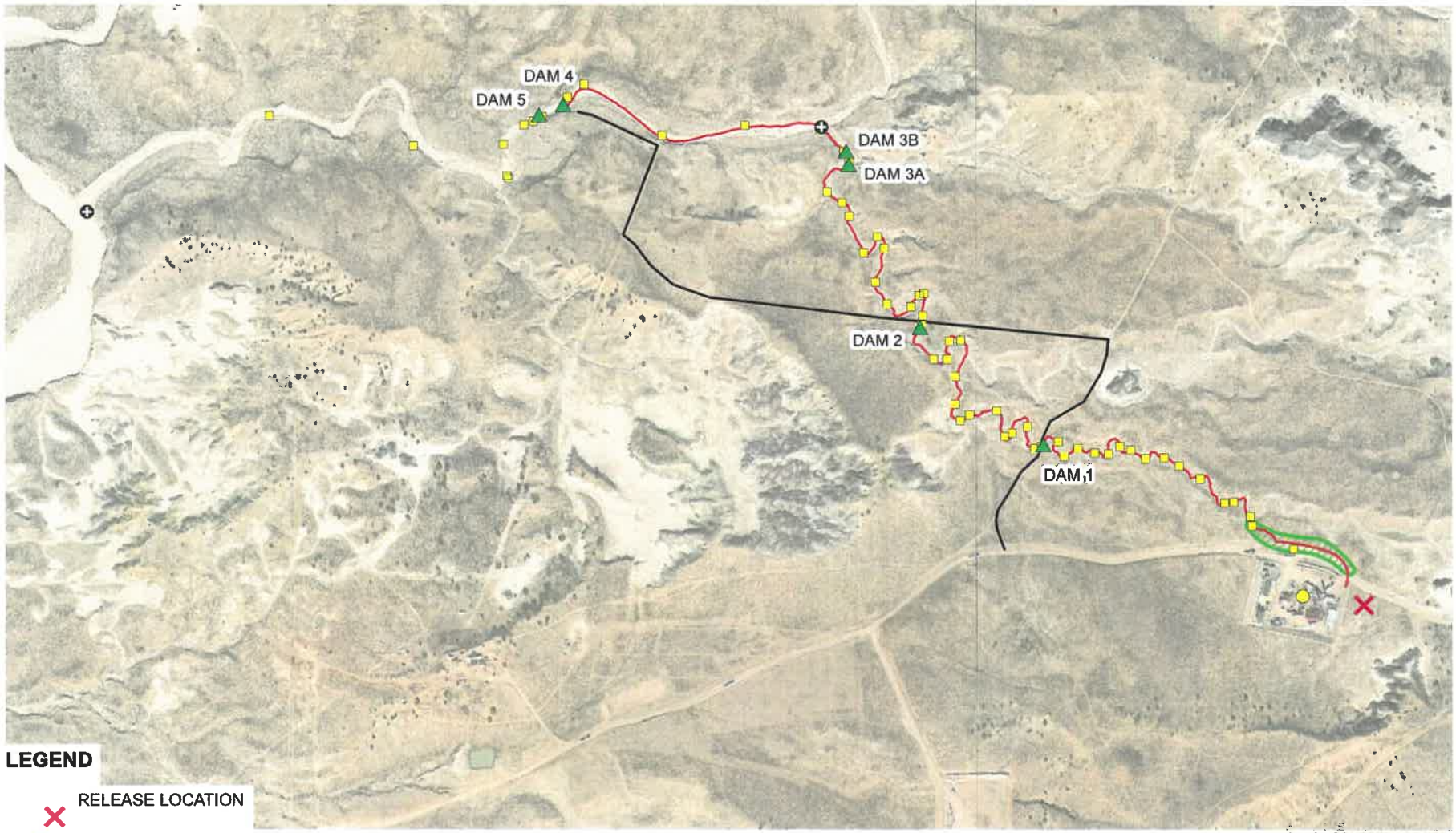
0 3,000 6,000

Feet

N

FIGURE 2
RECEPTOR MAP
NEU #315H
SEC 9 & 10 T22N R7W
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

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LEGEND

- RELEASE LOCATION
- OIL ABSORBENT BOOM
- CONFLUENCE
- DAM
- NEU #315H WELLHEAD
- RELEASE PATH
- IMPROVED 2-TRACK ROAD
- SHEET FLOW AREA

0 800 1,600

Feet

N

FIGURE 3
SITE MAP
NEU #315H
SEC 9 & 10 T22N R7W
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

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FIGURE 4
RELEASE EXTENT
NEU #315H
SEC 9 & 10 T22N R7W
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

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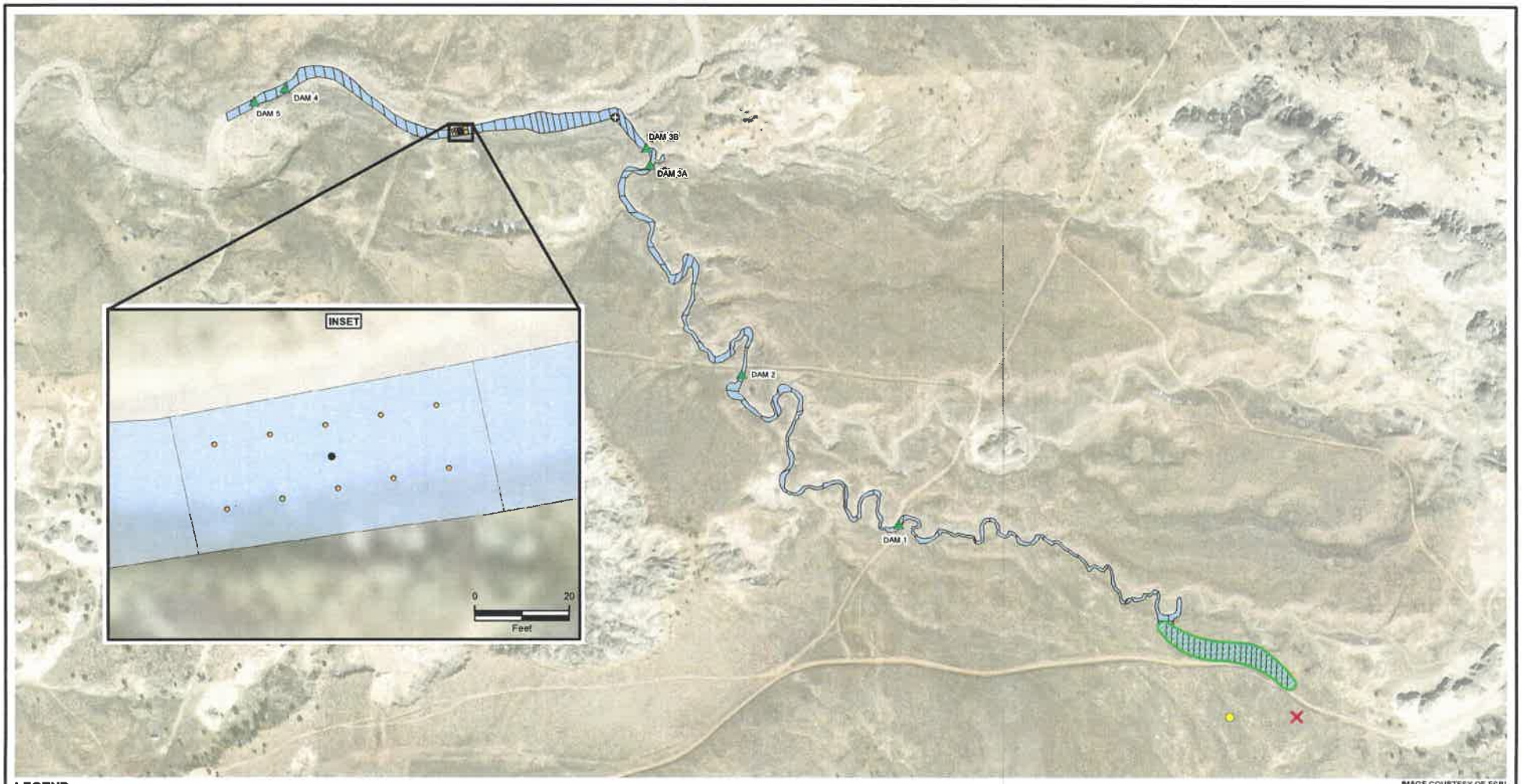


IMAGE COURTESY OF ESRI

LEGEND

- RELEASE LOCATION
- COMPOSITE SOIL SAMPLE ALIQUOT
- DISCRETE SOIL BORING
- DAM
- NEU #315H WELLHEAD
- CONFLUENCE
- SAMPLING AREA (APPROXIMATELY 2,000 SQUARE FEET)
- SHEET FLOW AREA

0 400 800
Feet

N

FIGURE 5
SOIL SAMPLING MAP
NEU #315H
SEC 9 & 10 T22N R7W
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

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TABLES

TABLE 1
SURFACE WATER ANALYTICAL RESULTS

NEU #315H RELEASE RESPONSE
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE NAME	SAMPLE DATE	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL-BENZENE (µg/L)	TOTAL XYLENES (µg/L)	CHLORIDE (mg/L)
WS-01	3/1/2019	<0.500	2.06	0.996	7.67	NA
WS-02	3/3/2019	<0.500	<1.00	<0.500	<1.50	1.63
WS-03	3/4/2019	<1.00	<2.00	<1.00	<3.00	9.23
WS-04	3/5/2019	<1.00	<2.00	<1.00	<3.00	21.5
WS-05	3/12/2019	<1.00	<2.00	<1.00	<3.00	16.8
WS-06	3/13/2019	<1.00	<2.00	<1.00	<3.00	20.0
WS-07	3/14/2019	<0.500	<1.00	<0.500	<1.50	17.7
WS-08	3/15/2019	<0.500	<1.00	<0.500	<1.50	23.5
WS-09	3/16/2019	<0.500	<1.00	<0.500	<1.50	29.6
NMWQCC Standard		**10**	**750**	**750**	**620**	**620**

NOTES:

µg/L - micrograms per liter

mg/L - milligrams per liter

NMWQCC - New Mexico Water Quality Control Commission

NA - not analyzed

< - indicates result is less than the stated laboratory reporting limit

Bold indicates value exceeds stated NMWQCC standard

TABLE 2
SOIL SAMPLING LOG

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE ID	Date	TIME	PID (ppm)	Depth (ft bgs)	Soil Description	Moisture Content	Hydrocarbon Stain/Odor?
10-Point Composite Surface Soil Samples							
SA-001	4/29/2019	15:05	0.3	0.5	Light brown medium-coarse sand	Moist	No
SA-002	4/29/2019	15:03	0.0	0.5	Light brown medium-coarse sand	Moist	No
SA-003	5/8/2019	10:45	1.0	0.5	Dark brown sand with clay, some gravel	Moist	No
SA-004	5/8/2019	10:38	16.2	0.5	Dark brown sand with clay	Very moist	No
SA-005	5/8/2019	10:32	4.2	0.5	Dark brown sand with clay	Very moist	No
SA-006	4/29/2019	16:52	3.0	0.5	Light brown medium-coarse sand	Moist	No
SA-007	4/29/2019	16:56	0.1	0.5	Light brown medium-coarse sand with silt	Moist	No
SA-007R	6/13/2019	12:00	24.6	0.5	Brown medium clayey sand with silt	Very moist	No
SA-008	4/29/2019	15:07	0.0	0.5	Light brown medium-coarse sand with silt	Moist	No
SA-009	4/29/2019	17:00	48.3	0.5	Light brown medium-coarse sand with silt	Moist	No
SA-010	4/29/2019	16:50	0.9	0.5	Light brown medium-coarse sand with clay	Moist	No
SA-011	4/29/2019	15:00	0.5	0.5	Light brown medium-coarse sand with clay	Moist	No
SA-012	4/29/2019	15:06	0.8	0.5	Light brown medium-coarse sand with clay	Moist	No
SA-013	4/29/2019	16:47	0.1	0.5	Light brown medium-coarse sand with clay	Moist	No
SA-014	4/29/2019	16:40	1.4	0.5	Light brown medium-coarse sand with clay	Moist	No
SA-015	4/29/2019	16:53	0.1	0.5	Light brown medium-coarse sand with clay	Moist	No
SA-016	4/29/2019	16:36	3.7	0.5	Light brown medium-coarse sand with silt	Moist	No
SA-017	4/29/2019	16:34	3.6	0.5	Dark brown medium-coarse sand	Moist	No
SA-018	4/29/2019	16:43	0.3	0.5	Light brown medium-coarse sand	Moist	No
SA-019	4/29/2019	16:08	0.1	0.5	Dark brown medium-coarse sand	Moist	No

TABLE 2
SOIL SAMPLING LOG

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE ID	Date	TIME	PID (ppm)	Depth (ft bgs)	Soil Description	Moisture Content	Hydrocarbon Stain/Odor?
SA-020	4/29/2019	16:07	0.0	0.5	Dark brown medium-coarse sand	Moist	No
SA-E	4/29/2019	16:07	0.0	0.5	Dark brown medium-coarse sand	Moist	No
SA-021	4/29/2019	16:20	1.5	0.5	Dark brown medium-coarse sand	Moist	No
SA-022	4/29/2019	15:59	0.9	0.5	Dark brown medium-coarse sand	Moist	No
SA-023	4/29/2019	15:56	0.4	0.5	Dark brown medium-coarse sand	Moist	No
SA-024	4/29/2019	15:55	0.0	0.5	Dark brown medium-coarse sand	Moist	No
SA-025	4/29/2019	15:50	1.1	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-026	4/29/2019	14:58	0.4	0.5	Dark brown medium-coarse sand	Moist	No
SA-027	4/29/2019	15:41	0.0	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-028	4/29/2019	15:39	0.0	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-029	4/29/2019	15:37	0.9	0.5	Dark brown medium-coarse sand	Moist	No
SA-030	4/29/2019	15:37	2.0	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-031	4/29/2019	15:30	0.0	0.5	Dark brown medium-coarse sand	Moist	No
SA-032	4/29/2019	15:33	0.0	0.5	Dark brown medium-coarse sand	Moist	No
SA-033	4/29/2019	15:27	1.4	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-034	4/29/2019	15:24	1.1	0.5	Brown medium-coarse sand	Moist	No
SA-035	4/29/2019	15:19	0.0	0.5	Brown medium-coarse sand	Moist	No
SA-036	4/29/2019	15:16	0.3	0.5	Brown medium-coarse sand	Moist	No
SA-037	4/29/2019	15:13	0.0	0.5	Brown medium-coarse sand	Moist	No
SA-038	4/29/2019	15:06	0.0	0.5	Brown medium-coarse sand	Moist	No
SA-039	4/29/2019	15:05	0.0	0.5	Brown medium-coarse sand	Moist	No

TABLE 2
SOIL SAMPLING LOG

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE ID	Date	TIME	PID (ppm)	Depth (ft bgs)	Soil Description	Moisture Content	Hydrocarbon Stain/Odor?
SA-040	4/29/2019	15:05	0.0	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-D	4/29/2019	15:05	0.0	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-041	4/29/2019	15:01	0.1	0.5	Brown medium-coarse sand	Moist	No
SA-042	4/29/2019	14:53	0.2	0.5	Brown medium-coarse sand	Moist	No
SA-043	4/29/2019	14:52	0.0	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-044	4/29/2019	14:49	0.5	0.5	Brown medium-coarse sand	Moist	No
SA-045	4/29/2019	14:48	0.5	0.5	Brown medium-coarse sand	Moist	No
SA-046	4/29/2019	14:39	0.2	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-047	4/29/2019	14:40	0.5	0.5	Brown medium-coarse sand	Moist	No
SA-048	4/29/2019	14:33	0.0	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-049	4/29/2019	14:34	0.0	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-050	4/29/2019	14:37	0.1	0.5	Brown medium-coarse sand	Moist	No
SA-051	4/29/2019	14:42	0.1	0.5	Brown medium-coarse sand	Moist	No
SA-052	4/29/2019	14:31	0.7	0.5	Brown medium-coarse sand	Moist	No
SA-053	4/29/2019	14:15	0.0	0.5	Dark green clay, traces of sand	Moist	No
SA-054	4/29/2019	14:18	1.0	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-055	4/29/2019	14:15	233.0	0.5	Brown medium-coarse sand	Moist	Strong
SA-055R	6/13/2019	11:40	105.0	0.5	Light brown silty sand	Dry	Slight
SA-056	4/29/2019	14:03	14.6	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-057	4/29/2019	14:19	8.4	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-058	4/29/2019	14:04	6.7	0.5	Dark brown medium-coarse sand with clay	Moist	No

TABLE 2
SOIL SAMPLING LOG

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE ID	Date	TIME	PID (ppm)	Depth (ft bgs)	Soil Description	Moisture Content	Hydrocarbon Stain/Odor?
SA-059	4/29/2019	14:00	2.8	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-060	4/29/2019	13:51	1,201	0.5	Brown fine-medium silty sand	Moist	Strong
SA-C	4/29/2019	13:53	1,201	0.5	Brown fine-medium silty sand	Moist	Strong
SA-060R	6/13/2019	11:25	15	0.5	Brown, medium sand with silt	Dry	No
SA-061	4/29/2019	13:45	0.6	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-062	4/29/2019	13:44	13.6	0.5	Dark brown medium-coarse sand	Moist	No
SA-063	4/30/2019	13:50	5.0	0.5	Dark brown medium-coarse sand with clay	Moist	No
SA-064	4/29/2019	13:44	0.4	0.5	Brown medium-coarse sand	Moist	No
SA-065	4/29/2019	13:30	42.6	0.5	Dark brown medium-coarse sand	Moist	No
SA-066	4/29/2019	13:30	305.0	0.5	Brown medium-coarse sand	Moist	Strong
SA-067	4/29/2019	13:22	37.6	0.5	Light brown sandy clay	Moist	No
SA-068	4/29/2019	13:22	8.2	0.5	Dark brown medium- coarse sand	Moist	No
SA-069	4/29/2019	13:07	0.0	0.5	Tan medium-coarse sand with clay	Moist	No
SA-070	4/29/2019	13:05	25.7	0.5	Light brown sandy clay	Moist	No
SA-071	4/29/2019	12:59	0.4	0.5	Dark brown medium-coarse sand	Moist	No
SA-072	4/29/2019	12:46	51.4	0.5	Light brown sandy clay	Moist	No
SA-073	4/29/2019	12:40	15.1	0.5	Tannish brown fine-medium sand	Moist	No
SA-074	4/29/2019	12:47	50.1	0.5	Dark brown medium-coarse sand	Moist	No
SA-075	4/29/2019	12:26	6.4	0.5	Light brown sandy clay	Moist	No
SA-076	4/29/2019	12:23	93.4	0.5	Light brown silty sand	Moist	Moderate
SA-077	4/29/2019	12:17	50.0	0.5	Dark sand with clay	Moist	No

TABLE 2
SOIL SAMPLING LOG

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE ID	Date	TIME	PID (ppm)	Depth (ft bgs)	Soil Description	Moisture Content	Hydrocarbon Stain/Odor?
SA-078	4/29/2019	12:00	2.5	0.5	Gray sand and gravel with clay	Moist	No
SA-078R	6/13/2019	11:10	6.3	0.5	Brown fine silty sand with gravel and some clay	Dry	No
SA-079	4/29/2019	11:52	0.6	0.5	Dark tan medium-coarse sand	Moist	No
SA-080	4/29/2019	11:51	0.0	0.5	Dark brown medium-coarse sand	Moist	No
SA-B	4/29/2019	11:53	0.0	0.5	Dark brown medium-coarse sand	Moist	No
SA-081	4/29/2019	11:38	116.8	0.5	Gray sand and gravel with clay	Moist	No
SA-081R	6/13/2019	11:08	15.0	0.5	Dark brown medium sand with clay	Moist	Slight
SA-F	6/13/2019	12:22	15.0	0.5	Dark brown medium sand with clay	Moist	Slight
SA-082	4/30/2019	13:40	4.5	0.5	Dark brown fine sandy silt	Dry	No
SA-083	4/29/2019	11:27	0.7	0.5	Dark brown medium-coarse sand	Moist	No
SA-084	4/29/2019	11:20	0.2	0.5	Dark brown medium-coarse sand	Moist	No
SA-085	4/29/2019	10:58	5.6	0.5	Gray sand and gravel with clay	Moist	No
SA-086	4/29/2019	11:00	0.0	0.5	Dark brown medium-coarse sand	Moist	No
SA-087	4/29/2019	10:46	0.2	0.5	Dark brown medium-coarse sand	Moist	No
SA-088	4/29/2019	10:32	1.3	0.5	Gray sand and gravel with clay	Moist	No
SA-089	4/29/2019	10:34	1.8	0.5	Light brown medium-coarse sand	Moist	No
SA-090	4/29/2019	10:22	28.9	0.5	Dark brown medium-coarse sand	Moist	No
SA-091	4/29/2019	10:07	0.0	0.5	Brown coarse sand and gravel	Dry	No
SA-092	4/29/2019	10:08	0.8	0.5	Dark brown fine silty sand	Dry	No
SA-093	4/29/2019	9:55	1.7	0.5	Light brown clayey sand	Dry	No
SA-094	4/29/2019	9:41	0.0	0.5	Light brown clayey sand	Dry	No

TABLE 2
SOIL SAMPLING LOG

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE ID	Date	TIME	PID (ppm)	Depth (ft bgs)	Soil Description	Moisture Content	Hydrocarbon Stain/Odor?
SA-095	4/29/2019	9:48	0.9	0.5	Dark brown fine silty sand	Dry	No
SA-096	4/29/2019	9:26	0.7	0.5	Light brown silty sand	Dry	No
SA-097	4/29/2019	9:15	0.0	0.5	Light brown silty sand	Dry	No
SA-098	4/29/2019	9:24	0.0	0.5	Dark brown fine silty sand	Dry	No
SA-099	4/29/2019	9:05	0.0	0.5	Light brown silty sand with black clay	Dry	No
SA-100	4/29/2019	9:00	26.7	0.5	Dark brown fine silty sand	Dry	No
SA-A	4/29/2019	9:05	26.7	0.5	Dark brown fine silty sand	Dry	No
SA-101	4/29/2019	8:55	0.0	0.5	Dry light brown fine silty sand	Dry	No
SA-102	4/29/2019	8:35	7.6	0.5	Dry light brown fine silty sand	Dry	No
SA-103	4/29/2019	8:45	0.5	0.5	Dark brown fine silt	Dry	No
SA-104	4/29/2019	17:43	16.6	0.5	Dark brown fine silt	Dry	No
SA-104R	6/13/2019	10:41	> 15,000	0.5	Dark brown fine silt	Dry	Strong
SA-104RR	7/19/2019	10:25	5.9	0.5	Reddish brown silty sand	Moist	No
SA-105	5/8/2019	11:05	0.7	0.5	Brown medium sand	Moist	No
SA-106 (Damn 1)	7/19/2019	10:40	1.7	0.5	Reddish brow silty sand	Moist	No
SA-106R	8/2/2019	13:30	4.6	0.5	Dark brown fine clayey sand	Moist	No
SA-107 (Damn 2)	7/19/2019	11:00	30.2	0.5	Dark brown silt with sand	Moist	No
SA-108 (Damn 3A)	7/19/2019	11:17	21.1	0.5	Dark brown silt with sand	Moist	No
SA-109 (Damn 3B)	7/19/2019	11:31	2.3	0.5	Dark brown silt with sand	Moist	No
SA-110 (Damn 4)	7/19/2019	11:33	22.1	0.5	Dark brown sand	Moist	No
SA-111 (Damn 5)	7/19/2019	11:53	0.7	0.5	Dark brown silty sand	Moist	No

TABLE 2
SOIL SAMPLING LOG

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE ID	Date	TIME	PID (ppm)	Depth (ft bgs)	Soil Description	Moisture Content	Hydrocarbon Stain/Odor?
Discrete Hand-Auger Boring Soil Samples							
SB-001-01	4/29/2019	16:50	0.00	1	Brown coarse sand with silt	Moist	No
SB-002-01	4/29/2019	16:55	0.00	1	Brown coarse sand with silt	Moist	No
SB-003-01	7/19/2019	12:11	7.6	1	Dark brown sand and gravel	Moist	No
SB-005-01	7/19/2019	12:13	16.4	1	Dark brown sand and gravel	Moist	No
SB-007-01	6/13/2019	12:09	9.8	1	Brown fine sand	Moist	No
SB-C	6/13/2019	12:20	9.8	1	Brown fine sand	Moist	No
SB-009-01	6/13/2019	12:15	24.9	1	Brown fine sand	Moist	No
SB-011-01	6/13/2019	12:13	18.90	1	Brown fine sand	Moist	No
SB-013-01	4/29/2019	16:25	0.7	1	Brown coarse sand with silt	Very moist	No
SB-015-01	4/29/2019	16:23	1.6	1	Brown coarse sand with silt	Very moist	No
SB-017-01	4/29/2019	16:20	1.5	1	Brown coarse sand with silt	Very moist	No
SB-019-01	4/29/2019	16:04	3.3	1	Brown coarse sand with silt	Very moist	No
SB-B	4/29/2019	16:04	3.3	1	Brown coarse sand with silt	Very moist	No
SB-021-01	4/29/2019	16:02	3.4	1	Brown coarse sand with silt	Very moist	No
SB-023-01	4/29/2019	16:00	2.4	1	Brown coarse sand with silt	Very moist	No
SB-025-01	4/29/2019	15:56	3.8	1	Brown coarse sand with silt	Very moist	No
SB-027-01	4/29/2019	15:55	4.3	1	Brown coarse sand with silt	Very moist	No
SB-029-01	4/29/2019	15:50	1.0	1	Light gray to tan coarse sand with sandy silt	Very moist	No
SB-031-01	4/29/2019	15:43	0.9	1	Light gray to tan coarse sand	Very moist	No
SB-033-01	4/29/2019	15:46	1.1	1	Light brown silty sand	Moist	No

TABLE 2
SOIL SAMPLING LOG

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE ID	Date	TIME	PID (ppm)	Depth (ft bgs)	Soil Description	Moisture Content	Hydrocarbon Stain/Odor?
SB-035-01	4/29/2019	15:30	0.3	1	Light brown sandy silt	Moist	No
SB-037-01	4/29/2019	15:21	1.3	1	Brown sandy lean clay	Moist	No
SB-039-01	4/29/2019	15:24	0.5	1	Brown sandy lean clay	Moist	No
SB-A	4/29/2019	15:26	0.5	1	Brown sandy lean clay	Moist	No
SB-041-01	4/29/2019	15:17	0.3	1	Light brown silty sand	Moist	No
SB-043-01	4/29/2019	15:15	0.8	1	Light brown silty sand	Moist	No
SB-045-01	4/29/2019	15:12	1.0	1	Brown to gray sandy shale	Moist	No
SB-047-01	4/29/2019	14:59	0.8	1	Fine silty sand	Moist	No
SB-049-01	4/29/2019	14:58	0.8	1	Brown sandy shale	Moist	No
SB-051-01	4/29/2019	14:48	1.2	1	Brown sandy shale	Moist	No
SB-053-01	4/29/2019	14:35	0.8	1	Brown to gray sandy shale	Moist	No
SB-055-01	4/29/2019	14:28	0.6	1	Brown to gray poorly graded sand with shale intermixed	Moist	No
SB-057-01	4/29/2019	14:18	5.6	1	Brown to gray poorly graded sand	Moist	No
SB-059-01	4/29/2019	14:12	0.8	1	Light brown to black sandy clay shale	Moist	No
SB-061-01	4/29/2019	14:00	0.6	1	Light brown to black sandy clay shale	Moist	No
SB-063-01	4/29/2019	13:55	1.5	1	Light brown to black sandy clay shale	Moist	No
SB-065-01	4/29/2019	13:45	1.3	1	Light brown to black sandy clay shale	Moist	No
SB-067-01	4/29/2019	13:35	1.2	1	Light brown to black sandy clay shale	Moist	No
SB-069-01	4/29/2019	13:25	1.0	1	Light brown to black sandy clay shale	Moist	No
SB-071-01	4/29/2019	13:15	1.8	1	Brown to black sandy fat clay shale	Moist	No
SB-073-01	4/29/2019	13:00	1.0	1	Brown to black sandy fat clay shale	Moist	No

TABLE 2
SOIL SAMPLING LOG

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE ID	Date	TIME	PID (ppm)	Depth (ft bgs)	Soil Description	Moisture Content	Hydrocarbon Stain/Odor?
SB-075-01	4/29/2019	12:25	2.6	1	Brown to black sandy fat clay (shale) fissile	Moist	No
SB-077-01	4/29/2019	12:10	1.0	1	Brown to black sandy fat clay (shale) fissile	Moist	No
SB-079-01	4/29/2019	11:50	1.4	1	Brown to black fat clay, fissile	Moist	No
SB-081-01	4/29/2019	11:35	1.5	1	Light brown silty sand	Moist	No
SB-083-01	4/29/2019	11:10	1.2	1	Light brown silty sand	Moist	No
SB-085-01	4/29/2019	11:00	0.6	1	Light brown silty sand, poorly graded	Moist	No
SB-087-01	4/29/2019	10:42	0.6	1	Light brown silty sand	Moist	No
SB-089-01	4/29/2019	10:25	1.0	1	Light brown silty sand	Moist	No
SB-091-01	4/29/2019	10:07	0.8	1	Light brown to white, poorly graded, sand with gravel	Moist	No
SB-093-01	4/29/2019	9:55	2.0	1	Light brown silty sand	Moist	No
SB-095-01	4/29/2019	9:40	1.0	1	Light brown silty sand	Moist	No
SB-097-01	4/29/2019	9:06	481.0	1	Light brown sandy silt	Moist	Moderate
SB-097-02	4/29/2019	9:08	144.0	2	Light brown sandy silt, some caliche at 1.75'	Moist	Moderate
SB-097-03	4/29/2019	9:10	33.8	3	Light brown sandy silt	Moist	Very faint
SB-099-01	4/29/2019	8:58	0.8	1	Light brown fine sandy silt	Moist	No
SB-101-01	4/29/2019	8:45	2.2	1	Light brown fine sandy silt	Dry	No
SB-103-01	4/29/2019	8:40	3.8	1	Light brown fine sandy silt	Moist	No
SB-104-01	4/29/2019	17:45	4.2	1	Brown silty sand	Dry	No
SB-104-01R	7/19/2019	10:27	5.0	1	Reddish brown silty sand	Moist	No
SB-106-01	7/19/2019	10:45	102.1	1	Dark brown silt with sand	Moist	No
SB-106-03	7/19/2019	10:47	15.9	3	Dark brown silt with sand	Moist	No

TABLE 2
SOIL SAMPLING LOG

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE ID	Date	TIME	PID (ppm)	Depth (ft bgs)	Soil Description	Moisture Content	Hydrocarbon Stain/Odor?
SB-106-01R	8/2/2019	13:25	1.6	1	Dark brown to green clay	Moist	No
SB-107-1	7/19/2019	10:58	9.5	1	Dark brown silt with sand	Moist	No
SB-108-1	7/19/2019	11:30	9.1	1	Green/brown clay	Moist	No
SB-109-1	7/19/2019	11:33	22.1	1	Dark brown silt with sand	Moist	No
SB-110-1	7/19/2019	11:51	5.8	1	Dark brown sand with trace silt	Moist	No
SB-111-1	7/19/2019	11:53	0.7	1	Dark brown silty sand	Moist	No
SB-PIT-01	4/29/2019	13:00	3.8	1	Brown silty sand, trace organics	Damp	No
SB-PIT-02	4/29/2019	13:05	1.1	2	Brown silty sand, trace organics	Damp	No
SB-PIT-03	4/29/2019	13:10	1.0	3	Brown silty sand, trace organics to light brown, medium silty sand	Moist	No
SB-PIT-04	4/29/2019	13:15	0.8	4	Coarsening downward medium-medium-coarse sand	Very moist	No
SB-PIT-05	4/29/2019	13:17	0.2	5	Medium-coarse sand with silt	Very moist	No
SB-PIT-06	4/29/2019	13:20	0.5	6	Brown medium-coarse silty sand	Moist	No
SB-PIT-07	4/29/2019	14:00	0.2	7	Refusal, gravel with silt, cobble refusal	Moist	No
Discrete Grab Soil Samples							
GR-01	4/29/2019	11:12	0.6	0.25	Brown fine-medium silty sand	Very moist	No
GR-02	4/29/2019	11:18	1.2	0.25	Brown fine-medium silty sand	Moist	No
GR-03	4/29/2019	11:20	2.2	0.25	Brown fine sandy silt	Moist	No
GR-04	4/29/2019	11:22	2.7	0.25	Brown fine sandy silt	Moist	No
GR-05	4/29/2019	11:24	3.6	0.25	Light brown fine silty sand	Moist	No
GR-06	4/29/2019	11:26	2.3	0.25	Light brown fine silty sand	Moist	No
GR-07	4/29/2019	11:30	529.0	Cut Bank wall 3A/3B	Light brown/tan silty sand and shale	Dry	Strong

TABLE 2
SOIL SAMPLING LOG

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE ID	Date	TIME	PID (ppm)	Depth (ft bgs)	Soil Description	Moisture Content	Hydrocarbon Stain/Odor?
GR-07R	6/13/2019	11:36	> 15,000	Cut Bank wall 3A/3B	Green/brown silty clay	Moist	Strong
GR-07RR	8/2/2019	13:33	581.0	Cut Bank wall 3A/3B	Green/brown silty clay	Moist	Strong
GR-07RR	9/4/2019	10:20	6.2	Cut Bank wall 3A/3B	Green/brown silty clay	Moist	Slight
5-Point Composite Excavation Confirmation Soil Samples							
EX-SW01	6/13/2019	10:15	3.6	0-4	Dark brown fine to medium sandy silt	Dry	None
EX-SW02	6/13/2019	10:25	14	0-4	Dark brown fine to medium sandy silt	Dry	None
EX-FS01	6/13/2019	10:30	2,016	4	Dark brown fine to medium sandy silt	Moist	Strong
EX-FS01R	7/19/2019	10:30	1	1	Reddish brown silty sand	Moist	None
EX-FS01RR	8/2/2019	13:35	2.3	4	Dark brown fine to medium sandy silt	Very moist	Slight
EX-FS02	6/13/2019	10:38	7.1	4	Dark brown fine to medium sandy silt	Dry	None

Notes:

bgs- below ground surface
EX- excavation confirmation soil sample
FS- floor soil sample
ft- feet
GR - grab soil sample
PID- photoionization detector
ppm- parts per million
SA- surface area soil sample
SB- soil boring soil sample
SW- sidewall soil sample

TABLE 3
SOIL ANALYTICAL RESULTS

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES LLC.

Sample Name	Sample Depth (feet bgs)	Sample Date	PID Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
10-Point Composite Surface Soil Samples													
SA-001	0.5	4/29/2019	0.3	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<11	<53	<53	<65
SA-002	0.5	4/29/2019	0.0	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	<10	<51	<51	<66
SA-003	0.5	5/8/2019	1.0	<0.030	<0.060	<0.060	<0.12	<0.12	<6.0	<12	<60	<60	<72
SA-004	0.5	5/8/2019	16.2	<0.033	<0.067	<0.067	<0.13	<0.13	<6.7	<13	<67	<67	<83
SA-005	0.5	5/8/2019	4.2	<0.032	<0.064	<0.064	<0.13	<0.13	<6.4	<13	<65	<65	<79
SA-006	0.5	4/29/2019	3.0	<0.030	<0.059	<0.059	<0.12	<0.12	<5.9	67	<61	67	<72
SA-007	0.5	4/29/2019	0.1	<0.031	<0.063	<0.063	<0.13	<0.13	<6.3	120	<62	**120**	<75
SA-007R	0.5	6/13/2019	24.6	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<10	<52	<52	100
SA-008	0.5	4/29/2019	0.0	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<12	<61	<61	<75
SA-009	0.5	4/29/2019	48.3	<0.030	<0.060	<0.060	<0.12	<0.12	<6.0	<12	<59	<59	<76
SA-010	0.5	4/29/2019	0.9	<0.030	<0.061	<0.061	<0.12	<0.12	<6.1	<12	<58	<58	<73
SA-011	0.5	4/29/2019	0.5	<0.029	<0.057	<0.057	<0.11	<0.11	<5.7	<11	<56	<56	<70
SA-012	0.5	4/29/2019	0.8	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<12	<58	<58	<71
SA-013	0.5	4/29/2019	0.1	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<11	<55	<55	<70
SA-014	0.5	4/29/2019	1.4	<0.030	<0.060	<0.060	<0.12	<0.12	<6.0	<11	<56	<56	<73
SA-015	0.5	4/29/2019	0.1	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<11	<54	<54	<70
SA-016	0.5	4/29/2019	3.7	<0.028	<0.055	<0.055	<0.11	<0.11	<5.5	<11	<56	<56	<72
SA-017	0.5	4/29/2019	3.6	<0.029	<0.057	<0.057	<0.11	<0.11	<5.7	<12	<58	<58	<73
SA-018	0.5	4/29/2019	0.3	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<11	<55	<55	<67
SA-019	0.5	4/29/2019	0.1	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<12	<59	<59	<73
SA-020	0.5	4/29/2019	0.0	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	<11	<57	<57	<69
*SA-E	0.5	4/29/2019	0.0	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<11	<55	<55	<71
SA-021	0.5	4/29/2019	1.5	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<11	<55	<55	<71
SA-022	0.5	4/29/2019	0.9	<0.028	<0.055	<0.055	<0.11	<0.11	<5.5	<11	<56	<56	<72
SA-023	0.5	4/29/2019	0.4	<0.029	<0.057	<0.057	<0.11	<0.11	<5.7	<11	<54	<54	<70
SA-024	0.5	4/29/2019	0.0	<0.028	<0.055	<0.055	<0.11	<0.11	<5.5	<11	<57	<57	<68

TABLE 3
SOIL ANALYTICAL RESULTS

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES LLC.

Sample Name	Sample Depth (feet bgs)	Sample Date	PID Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
SA-025	0.5	4/29/2019	1.1	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	<10	<52	<52	<64
SA-026	0.5	4/29/2019	0.4	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<11	<55	<55	<69
SA-027	0.5	4/29/2019	0.0	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<9.0	<45	<45	<69
SA-028	0.5	4/29/2019	0.0	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<8.8	<44	<44	<70
SA-029	0.5	4/29/2019	0.9	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<8.8	<44	<44	<67
SA-030	0.5	4/29/2019	2.0	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<9.8	<49	<49	<69
SA-031	0.5	4/29/2019	0.0	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	<8.7	<44	<44	<65
SA-032	0.5	4/29/2019	0.0	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	<9.9	<49	<49	<66
SA-033	0.5	4/29/2019	1.4	<0.027	<0.055	<0.055	<0.11	<0.11	<5.5	<9.5	<47	<47	<66
SA-034	0.5	4/29/2019	1.1	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<10	<51	<51	<69
SA-035	0.5	4/29/2019	0.0	<0.032	<0.063	<0.063	<0.13	<0.13	<6.3	<9.9	<50	<50	<77
SA-036	0.5	4/29/2019	0.3	<0.029	<0.057	<0.057	<0.11	<0.11	<5.7	<8.9	<44	<44	<70
SA-037	0.5	4/29/2019	0.0	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	<10	<50	<50	<65
SA-038	0.5	4/29/2019	0.0	<0.030	<0.059	<0.059	<0.12	<0.12	<5.9	<10	<51	<51	<71
SA-039	0.5	4/29/2019	0.0	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	<9.6	<48	<48	<64
SA-040	0.5	4/29/2019	0.0	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	<9.7	<49	<49	<65
*SA-D	0.5	4/29/2019	0.0	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<11	<53	<53	<66
SA-041	0.5	4/29/2019	0.1	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	<9.8	<49	<49	<64
SA-042	0.5	4/29/2019	0.2	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	<9.8	<49	<49	<66
SA-043	0.5	4/29/2019	0.0	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<8.6	<43	<43	<62
SA-044	0.5	4/29/2019	0.5	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	<9.3	<47	<47	<65
SA-045	0.5	4/29/2019	0.5	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<10	<50	<50	<68
SA-046	0.5	4/29/2019	0.2	<0.029	<0.059	<0.059	<0.12	<0.12	<5.9	<9.8	<49	<49	<71
SA-047	0.5	4/29/2019	0.5	<0.027	<0.055	<0.055	<0.11	<0.11	<5.5	<10	<50	<50	<67
SA-048	0.5	4/29/2019	0.0	<0.026	<0.051	<0.051	<0.10	<0.10	<5.1	<9.5	<47	<47	<63
SA-049	0.5	4/29/2019	0.0	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	<9.3	<46	<46	<66
SA-050	0.5	4/29/2019	0.1	<0.030	<0.059	<0.059	<0.12	<0.12	<5.9	<10	<50	<50	<72

TABLE 3
SOIL ANALYTICAL RESULTS

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES LLC.

Sample Name	Sample Depth (feet bgs)	Sample Date	PID Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
SA-051	0.5	4/29/2019	0.1	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	<9.6	<48	<48	<66
SA-052	0.5	4/29/2019	0.7	<0.028	<0.055	<0.055	<0.11	<0.11	<5.5	<9.1	<45	<45	<69
SA-053	0.5	4/29/2019	0.0	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	13	<50	13	91
SA-054	0.5	4/29/2019	1.0	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	<9.2	<46	<46	75
SA-055	0.5	4/29/2019	233.0	<0.029	1	1.6	12	14.6	450	4,500	1,300	**6,250**	<72
SA-055R	0.5	6/13/2019	105.0	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	14	<52	14	<67
SA-056	0.5	4/29/2019	14.6	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	38	<47	38	<73
SA-057	0.5	4/29/2019	8.4	<0.030	<0.060	<0.060	<0.12	<0.12	13	19	<46	32	<73
SA-058	0.5	4/29/2019	6.7	<0.030	<0.059	<0.059	<0.12	<0.12	<5.9	15	<48	15	<71
SA-059	0.5	4/29/2019	2.8	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	17	<50	17	<68
SA-060	0.5	4/29/2019	1,201.0	<0.030	0.28	0.57	4.9	5.75	270	200	**64**	**534**	<72
*SA-C	0.5	4/29/2019	1,201.0	<0.029	<0.059	<0.059	<0.12	<0.12	<5.9	250	89	**339**	<72
SA-60R	0.5	6/13/2019	15.3	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	<9.7	<49	<49	<63
SA-061	0.5	4/29/2019	0.6	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	<9.5	<48	<48	<64
SA-062	0.5	4/29/2019	13.6	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<9.0	<45	<45	<66
SA-063	0.5	4/30/2019	5.0	<0.027	<0.055	<0.055	<0.11	<0.11	<5.5	<11	<57	<57	<69
SA-064	0.5	4/29/2019	0.4	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<9.8	<49	<49	<65
SA-065	0.5	4/29/2019	42.6	<0.028	<0.057	<0.057	<0.11	<0.11	<5.7	<9.6	<48	<48	<71
SA-066	0.5	4/29/2019	305.0	<0.028	<0.056	<0.056	<0.11	<0.11	7.8	55	<49	62.8	<68
SA-067	0.5	4/29/2019	37.6	<0.029	<0.057	<0.057	<0.11	<0.11	<5.7	<9.4	<47	<47	<70
SA-068	0.5	4/29/2019	8.2	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	<10	<52	<52	<65
SA-069	0.5	4/29/2019	0.0	<0.030	<0.060	<0.060	<0.12	<0.12	<6.0	<12	<59	<59	<72
SA-070	0.5	4/29/2019	25.7	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<11	<53	<53	<68
SA-071	0.5	4/29/2019	0.4	<0.029	<0.059	<0.059	<0.12	<0.12	<5.9	13	<58	13	<71
SA-072	0.5	4/29/2019	51.4	<0.029	<0.058	0.062	0.48	0.542	21	18	<57	39	<70
SA-073	0.5	4/29/2019	15.1	<0.029	<0.059	<0.059	<0.12	<0.12	<5.9	20	<59	20	<71
SA-074	0.5	4/29/2019	50.1	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	29	<54	29	<66

TABLE 3
SOIL ANALYTICAL RESULTS

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES LLC.

Sample Name	Sample Depth (feet bgs)	Sample Date	PID Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
SA-075	0.5	4/29/2019	6.4	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	37	<53	37	<66
SA-076	0.5	4/29/2019	93.4	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	27	<54	27	<67
SA-077	0.5	4/29/2019	50.0	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	19	<58	19	<71
SA-078	0.5	4/29/2019	2.5	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	77	59	**136**	<65
SA-078R	0.5	6/13/2019	6.3	<0.025	<0.051	<0.051	<0.10	<0.10	<5.1	<9.8	<49	<49	<61
SA-079	0.5	4/29/2019	0.6	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	<10	<51	<51	<66
SA-080	0.5	4/29/2019	0.0	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<11	<55	<55	<68
*SA-B	0.5	4/29/2019	0.0	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<11	<55	<55	<67
SA-081	0.5	4/29/2019	116.8	<0.027	<0.055	<0.055	<0.11	<0.11	<5.5	120	64	**184**	<68
SA-081R	0.5	6/13/2019	15.0	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<10	<52	<52	<65
*SA-F	0.5	6/13/2019	15.0	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	13	<53	13	<66
SA-082	0.5	4/30/2019	4.5	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<10	<52	<52	210
SA-083	0.5	4/29/2019	0.7	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	<11	<53	<53	<64
SA-084	0.5	4/29/2019	0.2	<0.026	<0.051	<0.051	<0.10	<0.10	<5.1	<10	<52	<52	<65
SA-085	0.5	4/29/2019	5.6	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	12	<55	12	<67
SA-086	0.5	4/29/2019	0.0	<0.027	<0.055	<0.055	<0.11	<0.11	<5.5	<11	<53	<53	<67
SA-087	0.5	4/29/2019	0.2	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	<11	<53	<53	<66
SA-088	0.5	4/29/2019	1.3	<0.027	<0.055	<0.055	<0.11	<0.11	<5.5	<10	<52	<52	<67
SA-089	0.5	4/29/2019	1.8	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	<11	<54	<54	<65
SA-090	0.5	4/29/2019	28.9	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	24	<52	24	<67
SA-091	0.5	4/29/2019	0.0	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	<10	<51	<51	<63
SA-092	0.5	4/29/2019	0.8	<0.027	<0.055	<0.055	<0.11	<0.11	<5.5	<11	<55	<55	150
SA-093	0.5	4/29/2019	1.7	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	19	<51	19	180
SA-094	0.5	4/29/2019	0.0	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	24	<52	24	82
SA-095	0.5	4/29/2019	0.9	<0.027	<0.055	<0.055	<0.11	<0.11	<5.5	<11	<57	<57	110
SA-096	0.5	4/29/2019	0.7	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<11	<57	<57	130
SA-097	0.5	4/29/2019	0.0	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<11	<54	<54	<66

TABLE 3
SOIL ANALYTICAL RESULTS

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES LLC.

Sample Name	Sample Depth (feet bgs)	Sample Date	PID Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
SA-098	0.5	4/29/2019	0.0	<0.026	<0.051	<0.051	<0.10	<0.10	<5.1	<11	<53	<53	<64
SA-099	0.5	4/29/2019	0.0	<0.026	<0.051	<0.051	<0.10	<0.10	<5.1	<11	<53	<53	<64
SA-100	0.5	4/29/2019	26.7	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	14	<55	14	120
*SA-A	0.5	4/29/2019	26.7	<0.028	<0.055	<0.055	<0.11	<0.11	<5.5	16	<56	16	120
SA-101	0.5	4/29/2019	0.0	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	13	<49	13	<65
SA-102	0.5	4/29/2019	7.6	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	33	<50	33	120
SA-103	0.5	4/29/2019	0.5	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	42	<53	42	<66
SA-104	0.5	4/29/2019	16.6	<0.027	<0.055	<0.055	<0.11	<0.11	<5.5	190	120	**310**	<67
SA-104R	0.5	6/13/2019	>15,000	<0.025	<0.051	<0.051	0.15	0.15	26	290	110	**426**	<62
SA-104RR	0.5	7/19/2019	5.9	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.0	<45	<45	<60
SA-105	0.5	5/8/2019	0.7	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<11	<55	<55	<68
SA-106	0.5	7/19/2019	1.7	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.3	<46	<46	<60
SA-106R	0.5	8/2/2019	4.6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<11	<53	<53	<69
*SA-H	0.5	8/2/2019	4.6	<0.025	<0.051	<0.051	<0.10	<0.10	<5.1	<11	<57	<57	<68
SA-107	0.5	7/19/2019	30.2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.5	<47	<47	<60
SA-108	0.5	7/19/2019	21.1	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<8.8	<44	<44	<60
SA-109	0.5	7/19/2019	2.3	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.4	<47	<47	<60
SA-110	0.5	7/19/2019	75.7	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	<60
SA-111	0.5	7/19/2019	5.8	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<50	<50	<60
*SA-G	0.5	7/19/2019	5.8	<0.025	<0.050	<0.050	<0.099	<0.099	<4.9	<9.6	<48	<48	<60
Discrete Hand-Auger Boring Soil Samples													
SB-001-01	1	4/29/2019	0.0	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<9.7	<48	<48	<65
SB-002-01	1	4/29/2019	0.0	<0.029	<0.057	<0.057	<0.11	<0.11	<5.7	<11	<56	<56	<71
SB-003-01	1	7/19/2019	7.6	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<48	<48	<60
SB-005-01	1	7/19/2019	16.4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<8.7	<44	<44	<61
SB-007-01	1	6/13/2019	9.8	<0.028	<0.057	<0.057	<0.11	<0.11	<5.7	<11	<54	<54	<69
*SB-C	1	6/13/2019	9.8	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6.	<11	<57	<57	<68

TABLE 3
SOIL ANALYTICAL RESULTS

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES LLC.

Sample Name	Sample Depth (feet bgs)	Sample Date	PID Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
SB-009-01	1	6/13/2019	24.9	<0.031	<0.062	<0.062	<0.12	<0.12	<6.2	<12	<59	<59	<76
SB-011-01	1	6/13/2019	18.9	<0.032	<0.065	<0.065	<0.13	<0.13	<6.5	<13	<66	<66	<80
SB-013-01	1	4/29/2019	0.7	<0.031	<0.063	<0.063	<0.13	<0.13	<6.3	<12	<58	<58	<77
SB-015-01	1	4/29/2019	1.6	<0.031	<0.061	<0.061	<0.12	<0.12	<6.1	<11	<55	<55	<75
SB-017-01	1	4/29/2019	1.5	<0.032	<0.064	<0.064	<0.13	<0.13	<6.4	<12	<60	<60	<79
SB-019-01	1	4/29/2019	3.3	<0.031	<0.061	<0.061	<0.12	<0.12	<6.1	<11	<56	<56	<75
*SB-B	1	4/29/2019	3.3	<0.031	<0.062	<0.062	<0.12	<0.12	<6.2	<11	<57	<57	<76
SB-021-01	1	4/29/2019	3.4	<0.030	<0.059	<0.059	<0.12	<0.12	<5.9	14	<59	14	<72
SB-023-01	1	4/29/2019	2.4	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<12	<58	<58	<73
SB-025-01	1	4/29/2019	3.8	<0.030	<0.060	<0.060	<0.12	<0.12	<6.0	<11	<57	<57	<73
SB-027-01	1	4/29/2019	4.3	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<11	<56	<56	<71
SB-029-01	1	4/29/2019	1.0	<0.030	<0.060	<0.060	<0.12	<0.12	<6.0	<13	<63	<63	<75
SB-031-01	1	4/29/2019	0.9	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<8.7	<44	<44	<72
SB-033-01	1	4/29/2019	1.1	<0.030	<0.059	<0.059	<0.12	<0.12	<5.9	<9.4	<47	<47	<72
SB-035-01	1	4/29/2019	0.3	<0.030	<0.060	<0.060	<0.12	<0.12	<6.0	<9.9	<49	<49	<76
SB-037-01	1	4/29/2019	1.3	<0.031	<0.062	<0.062	<0.12	<0.12	<6.2	<9.8	<49	<49	<74
SB-039-01	1	4/29/2019	0.5	<0.031	<0.062	<0.062	<0.12	<0.12	<6.2	<9.6	<48	<48	<77
*SB-A	1	4/29/2019	0.5	<0.032	<0.064	<0.064	<0.13	<0.13	<6.4	<13	<63	<63	<77
SB-041-01	1	4/29/2019	0.3	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<9.5	<48	<48	<71
SB-043-01	1	4/29/2019	0.8	<0.030	<0.061	<0.061	<0.12	<0.12	<6.1	<9.6	<48	<48	<74
SB-045-01	1	4/29/2019	1.0	<0.030	<0.060	<0.060	<0.12	<0.12	<6.0	<9.9	<50	<50	<73
SB-047-01	1	4/29/2019	0.8	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<9.6	<48	<48	<73
SB-049-01	1	4/29/2019	0.8	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<9.2	<46	<46	<71
SB-051-01	1	4/29/2019	1.2	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<10	<50	<50	<70
SB-053-01	1	4/29/2019	0.8	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<9.1	<46	<46	<71
SB-055-01	1	4/29/2019	0.6	<0.030	<0.060	<0.060	<0.12	<0.12	<6.0	<9.7	<49	<49	<75
SB-057-01	1	4/29/2019	5.6	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<9.1	<45	<45	<68

TABLE 3
SOIL ANALYTICAL RESULTS

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES LLC.

Sample Name	Sample Depth (feet bgs)	Sample Date	PID Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
SB-059-01	1	4/29/2019	0.8	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<9.8	<49	<49	<69
SB-061-01	1	4/29/2019	0.6	<0.029	<0.057	<0.057	<0.11	<0.11	<5.7	<9.4	<47	<47	<70
SB-063-01	1	4/29/2019	1.5	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<9.2	<46	<46	<68
SB-065-01	1	4/29/2019	1.3	<0.028	<0.055	<0.055	<0.11	<0.11	<5.5	<9.9	<50	<50	<69
SB-067-01	1	4/29/2019	1.2	<0.028	<0.057	<0.057	<0.11	<0.11	<5.7	<10	<50	<50	<71
SB-069-01	1	4/29/2019	1.0	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<10	<50	<50	<70
SB-075-01	1	4/29/2019	2.6	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<11	<57	<57	<70
SB-077-01	1	4/29/2019	1.0	<0.029	<0.059	<0.059	<0.12	<0.12	<5.9	<11	<55	<55	<71
SB-079-01	1	4/29/2019	1.4	<0.029	<0.058	<0.058	<0.12	<0.12	<5.8	<12	<60	<60	150
SB-081-01	1	4/29/2019	1.5	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<11	<57	<57	120
SB-083-01	1	4/29/2019	1.2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<51	<51	<63
SB-085-01	1	4/29/2019	0.6	<0.026	<0.051	<0.051	<0.10	<0.10	<5.1	<10	<52	<52	150
SB-087-01	1	4/29/2019	0.6	<0.027	<0.053	<0.053	<0.11	<0.11	<5.3	<11	<56	<56	<66
SB-089-01	1	4/29/2019	1.0	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	<11	<53	<53	<64
SB-091-01	1	4/29/2019	0.8	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<9.9	<49	<49	<66
SB-093-01	1	4/29/2019	2.0	<0.026	<0.052	<0.052	<0.10	<0.10	<5.2	<10	<52	<52	86
SB-095-01	1	4/29/2019	1.0	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<12	<59	<59	84
SB-097-01	1	4/29/2019	481.0	<0.027	<0.055	<0.055	0.47	0.47	33	210	64	**307**	110
SB-097-03	3	4/29/2019	33.8	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	<11	<53	<53	<64
SB-099-01	1	4/29/2019	0.8	<0.027	<0.054	<0.054	<0.11	<0.11	<5.4	<11	<55	<55	<67
SB-101-01	1	4/29/2019	2.2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<51	<51	<62
SB-103-01	1	4/29/2019	3.8	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	<10	<50	<50	<63
SB-104-01	1	4/29/2019	4.2	<0.028	<0.056	<0.056	<0.11	<0.11	<5.6	<12	<58	<58	<68
SB-104-01R	1	7/19/2019	5.0	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.4	<47	<47	<60
SB-106-01	1	7/19/2019	102.1	<0.025	<0.050	<0.050	<0.099	<0.099	54.0	300	160	**514**	<60
SB-106-01R	1	8/2/2019	1.6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<11	<55	<55	<68
SB-106-03	3	7/19/2019	15.9	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.3	<47	<47	<60

TABLE 3
SOIL ANALYTICAL RESULTS

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES LLC.

Sample Name	Sample Depth (feet bgs)	Sample Date	PID Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
SB-107-01	1	7/19/2019	9.5	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	<60
SB-108-01	1	7/19/2019	9.1	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	17	<46	17	<59
SB-109-01	1	7/19/2019	22.1	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	<59
SB-110-01	1	7/19/2019	5.8	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<47	<47	<61
SB-111-01	1	7/19/2019	0.7	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<50	<60
*SB-C	1	7/19/2019	0.7	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	<60
SB-Pit-01	1	4/29/2019	3.8	<0.028	<0.055	<0.055	<0.11	<0.11	<5.5	<11	<55	<55	<67
SB-Pit-07	7	4/29/2019	0.2	<0.027	<0.055	<0.055	<0.11	<0.11	<5.5	<10	<52	<52	<67
Discrete Grab Soil Samples													
GR-01	0.25	4/29/2019	1.3	<0.030	<0.060	<0.060	<0.12	<0.12	<6.0	<12	<58	<58	<75
GR-02	0.25	4/29/2019	0.7	<0.031	<0.062	<0.062	<0.12	<0.12	<6.2	<12	<61	<61	90
GR-03	0.25	4/29/2019	0.5	<0.032	<0.063	<0.063	<0.13	<0.13	<6.3	<13	<64	<64	160
GR-04	0.25	4/29/2019	0.9	<0.032	<0.064	<0.064	<0.13	<0.13	<6.4	<12	<62	<62	<79
GR-05	0.25	4/29/2019	0.4	<0.030	<0.061	<0.061	<0.12	<0.12	<6.1	<12	<61	<61	<75
GR-06	0.25	4/29/2019	0.6	<0.030	<0.060	<0.060	<0.12	<0.12	<6.0	<11	<57	<57	<72
GR-07	0.25	4/29/2019	3,521.0	<0.026	0.11	0.27	2.2	2.58	46	4,400	1,500	**5,946**	<64
GR-07R	1	6/13/2019	>15,000	<0.059	<0.12	<0.12	<0.24	<0.24	55.0	920	300	**1,275**	<72
GR-07RR	1	8/2/2019	581	<0.024	<0.047	<0.047	0.13	0.13	77	1,900	650	**2,627**	<71
GR-07RRR	0.6	9/4/2019	6.2	<0.030	<0.059	<0.059	<0.12	<0.12	<5.9	<12	<58	<58	<72

TABLE 3
SOIL ANALYTICAL RESULTS

NEU #315H
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES LLC.

Sample Name	Sample Depth (feet bgs)	Sample Date	PID Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
5-Point Composite Excavation Confirmation Soil Samples													
EX-SW01	0-4	6/13/2019	3.6	<0.025	<0.051	<0.051	<0.10	<0.10	<5.1	<10	<52	<52	82
EX-SW02	0-4	6/13/2019	13.6	<0.026	<0.051	<0.051	<0.10	<0.10	<5.1	<10	<52	<52	80
EX-FS01	4	6/13/2019	2,016	<0.026	<0.052	<0.052	<0.10	<0.10	5.7	410	180	**595.7**	<63
EX-FS01R	5	7/19/2019	1.4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	460	250	**710**	<60
EX-FS01RR	6	8/2/2019	2.3	<0.020	<0.039	<0.039	<0.079	<0.079	<3.9	<12	<58	<58	<71
EX-FS02	4	6/13/2019	7.1	<0.025	<0.051	<0.051	<0.10	<0.10	<5.1	<9.6	<48	<48	70
NMOCD Table 1 Closure Criteria				**10**	NE	NE	NE	**50**	NE	NE	NE	**100**	**600**

Notes:

bgs - below ground surface
BTEX - benzene, toluene, ethylbenzene, and total xylenes
DRO - diesel range organics
EX- excavation confirmation soil sample
FS- floor soil sample
GRO - gasoline range organics
mg/kg - milligrams per kilogram
MRO - motor oil range organics
NE - not established
NMOCD - New Mexico Oil Conservation Division
PID - photoionization detector
ppm - parts per million
SW- sidewall soil sample
TPH - total petroleum hydrocarbons
Bold - indicates result exceeds the applicable regulatory standard
< - indicates result is below laboratory reporting limits
* - indicates field duplicate sample for soil sample immediately preceding
Table 1 - closure criteria for soils impacted by a release per NMAC 19.15.29

TABLE 4
QUALITY CONTROL ANALYTICAL RESULTS

NEU #315H RELEASE RESPONSE
SANDOVAL COUNTY, NEW MEXICO
ENDURING RESOURCES, LLC

SAMPLE NAME	SAMPLE DATE	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL-BENZENE (µg/L)	TOTAL XYLENES (µg/L)
Rinsate Blanks					
RB-042919	4/29/2019	<1.0	<1.0	<1.0	<1.5
RB-050819	5/8/2019	<1.0	<1.0	<1.0	<1.5
RB-061319	6/13/2019	<1.0	<1.0	<1.0	<1.5
RB-071919	7/19/2019	<1.0	<1.0	<1.0	<1.5
RB-080219	8/2/2019	<1.0	<1.0	<1.0	<1.5
RB-090419	9/4/2019	<1.0	<1.0	<1.0	<2.0
Field Blanks					
FB-042919	4/29/2019	<1.0	<1.0	<1.0	<1.5
FB-050819	5/8/2019	<1.0	<1.0	<1.0	<1.5
FB-061319	6/13/2019	<1.0	<1.0	<1.0	<1.5
FB-071919	7/19/2019	<1.0	<1.0	<1.0	<1.5
FB-080219	8/2/2019	<1.0	<1.0	<1.0	<1.5
FB-090419	9/4/2019	<1.0	<1.0	<1.0	<2.0
Trip Blanks					
Trip Blank A	4/29/2019	<1.0	<1.0	<1.0	<1.5
Trip Blank B	4/29/2019	<1.0	<1.0	<1.0	<1.5
Trip Blank C	4/29/2019	<1.0	<1.0	<1.0	<1.5
Trip Blank D	5/8/2019	<1.0	<1.0	<1.0	<1.5
Trip Blank E	6/13/2019	<1.0	<1.0	<1.0	<1.5
Trip Blank F	7/19/2019	<1.0	<1.0	<1.0	<1.5
Trip Blank G	8/2/2019	<1.0	<1.0	<1.0	<1.5
Trip Blank H	9/4/2019	<1.0	<1.0	<1.0	<2.0
NMWQCC Standard		**10**	**750**	**750**	**620**

NOTES:

FB - field blank

µg/L - micrograms per liter

NMWQCC - New Mexico Water Quality Control Commission

RB - rinsate blank

< - indicates result is less than the stated laboratory reporting limit

APPENDIX A: LABORATORY ANALTYICAL REPORTS

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

March 06, 2019

LT Environmental

Sample Delivery Group:	L1075359
Samples Received:	03/05/2019
Project Number:	077919003
Description:	Nev 315H

Report To: Josh Adams
848 East Second Ave
Durango, CO 81301

Entire Report Reviewed By: Daphne R Richards

Daphne Richards
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304



TABLE OF CONTENTS

Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
WS-01 L1075359-01	5
WS-02 L1075359-02	6
WS-02 L1075359-03	7
TRIP BLANK L1075359-04	8
Qc: Quality Control Summary	9
Wet Chemistry by Method 9056A	9
Volatile Organic Compounds (GC) by Method 8021B	10
Gl: Glossary of Terms	11
Sc: Sample Chain of Custody	13

SAMPLE SUMMARY

WS 01 _1075359 01 GW

Collected by: Josh Adams | Collected date/time: 03/01/19 09:10 | Received date/time: 03/05/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1245044	1	03/05/19 19:42	03/05/19 19:42	DWR	Mt. Juliet, TN

WS-02 L1075359-02 GW

Collected by: Josh Adams | Collected date/time: 03/01/19 14:20 | Received date/time: 03/05/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1245044	1	03/05/19 20:03	03/05/19 20:03	DWR	Mt. Juliet, TN

WS-02 L1075359-03 GW

Collected by: Josh Adams | Collected date/time: 03/01/19 14:20 | Received date/time: 03/05/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1245223	1	03/05/19 15:32	03/05/19 15:32	ELN	Mt. Juliet, TN

TR P BLANK L1075359 04 GW

Collected by: Josh Adams | Collected date/time: 03/01/19 00:00 | Received date/time: 03/05/19 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1245044	1	03/05/19 20:23	03/05/19 20:23	DWR	Mt. Juliet, TN

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

Daphne R Richards

Daphne Richards
Project Manager

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/		date / time	
Benzene	ND		0.000500	1	03/05/2019 19:42	WG [illegible]
Toluene	0.00206		0.00100	1	03/05/2019 19:42	WG [illegible]
Ethylbenzene	0.000996		0.000500	1	03/05/2019 19:42	WG [illegible]
Total Xylene	0.00767		0.00150	1	03/05/2019 19:42	WG [illegible]
(S) a,a,a-Trifluorotoluene(PID)	*98.2*		*79.0-125*		*03/05/2019 19:42*	WG [illegible]

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/		date / time	
Benzene	ND		0.000500	1	03/05/2019 20:03	[illegible]
Toluene	ND		0.00100	1	03/05/2019 20:03	[illegible]
Ethylbenzene	ND		0.000500	1	03/05/2019 20:03	[illegible]
Total Xylene	ND		0.00150	1	03/05/2019 20:03	[illegible]
(S) a,a,a-Trifluorotoluene(PID)	*99.1*		*79.0-125*		*03/05/2019 20:03*	[illegible]

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/		date / time	
Chloride	1.63		1.00	1	03/05/2019 15:32	WG [illegible]

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	03/05/2019 20:23	WG [illegible]
Toluene	ND		0.00100	1	03/05/2019 20:23	WG [illegible]
Ethylbenzene	ND		0.000500	1	03/05/2019 20:23	WG [illegible]
Total Xylene	ND		0.00150	1	03/05/2019 20:23	WG [illegible]
(S) a,a,a-Trifluorotoluene(PID)	*98.9*		*79.0-125*		*03/05/2019 20:23*	WG [illegible]

Method Blank (MB)

(MB) R3388924-1 03/05/19 11:28

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.0519	1.00

L1072975-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1072975-02 03/05/19 12:48 • (DUP) R3388924-3 03/05/19 13:03

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	1130	1130	1	0.321		15

Laboratory Control Sample (LCS)

(LCS) R3388924-2 03/05/19 11:43

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	40.7	102	80.0-120	

L1072975-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1072975-02 03/05/19 12:48 • (MS) R3388924-4 03/05/19 13:18 • (MSD) R3388924-5 03/05/19 13:33

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	1130	1120	1120	0.000	0.000	1	80.0-120	V	V	0.157	15

Method Blank (MB)

(MB) R3389012-3 03/05/19 18:48

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*98.9*			*79.0-125*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3389012-1 03/05/19 17:46 • (LCSD) R3389012-2 03/05/19 18:06

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Benzene	0.0500	0.0559	0.0526	112	105	77.0-122			6.05	20
Toluene	0.0500	0.0520	0.0487	104	97.4	80.0-121			6.63	20
Ethylbenzene	0.0500	0.0542	0.0509	108	102	80.0-123			6.32	20
Total Xylene	0.150	0.161	0.151	107	100	47.0-154			6.62	20
(S) a,a,a-Trifluorotoluene(PID)				*99.5*	*99.6*	*79.0-125*				

L1075042-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1075042-13 03/06/19 02:01 • (MS) R3389012-4 03/06/19 02:22 • (MSD) R3389012-5 03/06/19 02:42

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Benzene	0.0500	0.114	0.180	0.168	132	108	1	10.0-160			6.88	21
Toluene	0.0500	U	0.0596	0.0522	119	104	1	12.0-148			13.1	21
Ethylbenzene	0.0500	0.0291	0.0913	0.0827	124	107	1	22.0-149			9.88	21
Total Xylene	0.150	U	0.208	0.186	139	124	1	13.0-155	J3		11.3	21
(S) a,a,a-Trifluorotoluene(PID)					*104*	*103*		*79.0-125*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

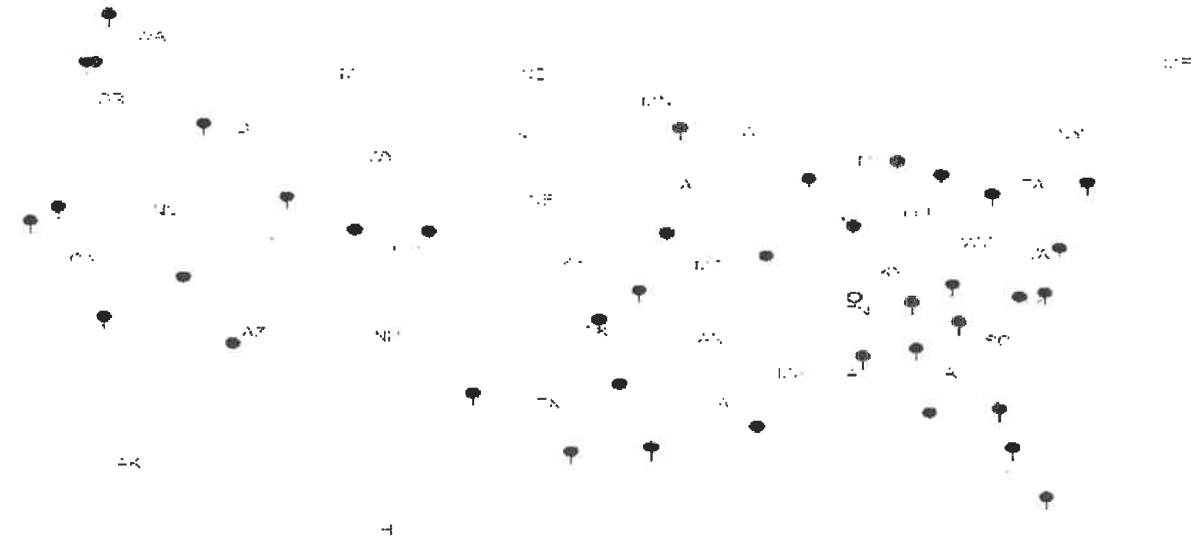
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [4]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [16]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [14]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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D136

Company Name/Address

LT ENVIRONMENTAL, INC.
2243 Main Avenue, Ste. 3
DURANGO, CO 81301

Alternate Billing: LTENVCOLOS12.5

Report to: John Adams
E-mail to: JAdams@LTenV.com

Project Description: NEJ 31SH
City/State Collected: NM
PHONE 970 946-1093
FAX 970-385-1873
Client Project No.
Lab Project #
Collected by: John Adams
Site/Facility ID#
P.O.#
Collected by(signature)
Packed on Ice N ___ Y ___
Rush? (Lab MUST be Notified)
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%
Date Results Needed
Email? No X Yes
FAX? No ___ Yes
No of Cntrs

Analysis/Container/Preservative: 8021B (Cool), 8015-DRO/ORO (Cool), 8015-GRO, Chlorides

Chain of Custody
Page ___ of ___

Prepared by
ENVIRONMENTAL SCIENCE CORP
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

CoCode (lab use only)
LTENVCO
Template/Prelogin
Shipped Via: Fed Ex 1075359

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	No of Cntrs	8021B	8015-DRO/ORO	8015-GRO	Chlorides	Remarks/contaminant	Sample # (lab only)
WS-01	Grab	H2O		3/5/19	9:10	3	-	-		-		-01
WS-02	"	"		3/5/19	9:15	6						02
WS-03	"	"		3/5/19	9:20	1	-	-		-		03
Trip Blank	-	-				2	-	-		-		04

Matrix SS-Soil/Solic GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_____

pH_____ Temp_____

Remarks

Flow_____ Other_____

Relinquished by (Signature)	Date 3/5/19	Time 11:30	Received by (Signature)	Samples returned via FedEx / UPS Other	Condition (lab use only)	
Relinquished by (Signature)	Date	Time	Received by (Signature)	Temp 13.0/14.4	Bottles Received 10	
Relinquished by (Signature)	Date	Time	Received for lab by (Signature)	Date 3/5/19	Time 9:30	pH Checked NCF

TSCA 7707 with Tribal 2?

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: CTENVCO	SDG#:	1075359
Cooler Received/Opened On: 3 / 25 /19	Temperature:	C
Received By: Cole Medley		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	—		
COC Signed / Accurate?		—	
Bottles arrive intact?		—	
Correct bottles used?		—	
Sufficient volume sent?		—	
If Applicable			
VOA Zero headspace?		✓	
Preservation Correct / Checked?			

Kelsey Stephensen



PacificAdvice

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

March 11, 2019

Enduring Resources

Sample Delivery Group:	L1076219
Samples Received:	03/07/2019
Project Number:	NEU #315H
Description:	NEU #315H
Site:	NEU #315H
Report To:	James McDaniel
	200 Energy Court
	Farmington, NM 87401

Entire Report Reviewed By: Daphne R Richards

Daphne Richards
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304



TABLE OF CONTENTS

Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
WS-03 L1076219-01	5
WS-04 L1076219-02	6
Qc: Quality Control Summary	7
Wet Chemistry by Method 9056A	7
Volatile Organic Compounds (GC) by Method 8021B	8
Gl: Glossary of Terms	10
Sc: Sample Chain of Custody	12

SAMPLE SUMMARY

WS 03 L1076219 01 GW			Collected by DR/CM	Collected date/time 03/04/19 15:45	Received date/time 03/07/19 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1246555	1	03/08/19 02:32	03/08/19 02:32	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1246656	2	03/07/19 18:15	03/07/19 18:15	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1246916	2	03/09/19 14:53	03/09/19 14:53	DWR	Mt. Juliet, TN

WS 04 _1076219 02 GW			Collected by DR/CM	Collected date/time 03/05/19 13:05	Received date/time 03/07/19 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1246555	1	03/08/19 02:47	03/08/19 02:47	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1246656	2	03/07/19 18:39	03/07/19 18:39	BMB	Mt. Juliet, TN

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

Daphne R Richards

Daphne Richards
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/			
Chloride	9.23		1.00	1	03/08/2019 02:32	WC [illegible]

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/			
Benzene	ND		0.00100	2	03/09/2019 14:53	WG [illegible]
Toluene	ND		0.00200	2	03/07/2019 18:15	WG [illegible]
Ethylbenzene	ND		0.00100	2	03/07/2019 18:15	WG [illegible]
Total Xylene	ND		0.00300	2	03/07/2019 18:15	WG [illegible]
(S) a,a,a-Trifluorotoluene(PID)	*96.2*		*79.0-125*		*03/07/2019 18:15*	WG [illegible]
(S) a,a,a-Trifluorotoluene(PID)	*96.3*		*79.0-125*		*03/09/2019 14:53*	WG [illegible]

Sample Narrative:

L1076219-01 WG1246916: Lowest possible dilution due to sediment in sample vial

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	RDL mg/	Dilution	Analysis date / time	Batch
Chloride	21.5		1.00	1	03/08/2019 02:47	WC [illegible]

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	2	03/07/2019 18:39	WG [illegible]
Toluene	ND		0.00200	2	03/07/2019 18:39	WG [illegible]
Ethylbenzene	ND		0.00100	2	03/07/2019 18:39	WG [illegible]
Total Xylene	ND		0.00300	2	03/07/2019 18:39	WG [illegible]
(S) a,a,a-Trifluorotoluene(PID)	*96.5*		*79.0-125*		*03/07/2019 18:39*	WG [illegible]

Method Blank (MB)

(MB) R3389858-1 03/07/19 09:14

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.0519	1.00

L1076196-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1076196-02 03/07/19 17:36 • (DUP) R3389858-3 03/07/19 17:50

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	5.86	5.86	1	0.0290		15

L1076197-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1076197-03 03/07/19 22:04 • (DUP) R3389858-6 03/07/19 22:19

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	13.5	13.5	1	0.0905		15

Laboratory Control Sample (LCS)

(LCS) R3389858-2 03/07/19 09:28

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	39.5	98.7	80.0-120	

L1076196-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1076196-02 03/07/19 17:36 • (MS) R3389858-4 03/07/19 18:05 • (MSD) R3389858-5 03/07/19 18:20

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	5.86	55.6	55.5	99.6	99.3	1	80.0-120			0.248	15

L1076197-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1076197-03 03/07/19 22:04 • (MS) R3389858-7 03/07/19 22:34

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Chloride	50.0	13.5	63.7	100	1	80.0-120	

Method Blank (MB)

(MB) R3389749-2 03/07/19 12:09

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*95.8*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3389749-1 03/07/19 10:22

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Benzene	0.0500	0.0521	104	77.0-122	
Toluene	0.0500	0.0480	95.9	80.0-121	
Ethylbenzene	0.0500	0.049[illegible]	98.1	80.0-123	
Total Xylene	0.150	0.155	103	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*96.5*	*79.0-125*	

Method Blank (MB)

(MB) R3390230-2 03/09/19 13:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
(S) a,a,a-Trifluorotoluene(PID)	*96.2*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3390230-1 03/09/19 12:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0506	101	77.0-122	
(S) a,a,a-Trifluorotoluene(PID)			*96.7*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
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Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

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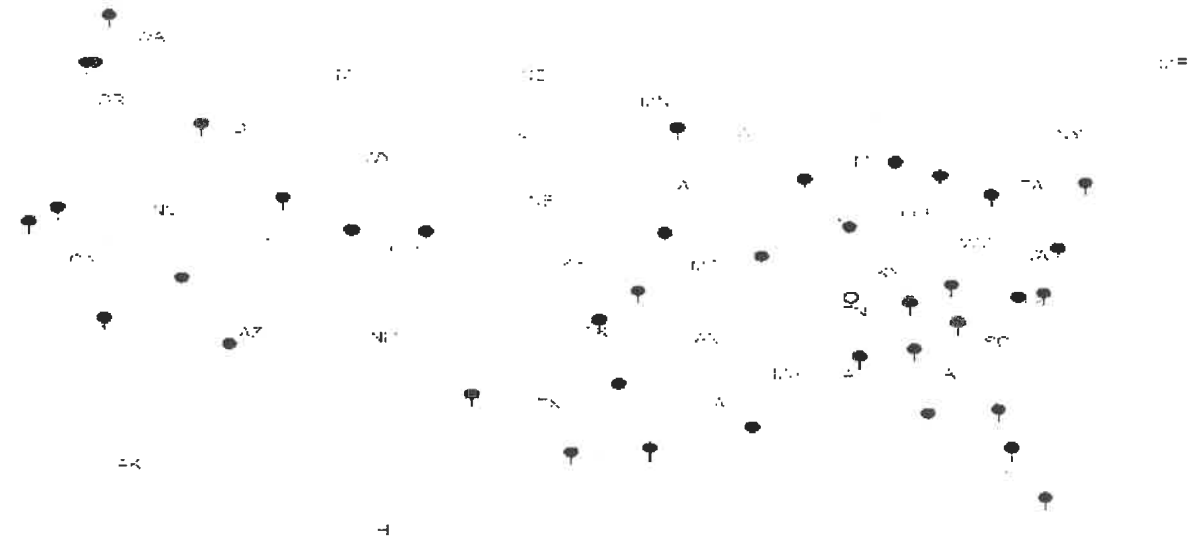
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Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [4]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [1]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Existing Reception [illegible]

St. to Environmental Services
Mr Dang

[illegible]

[illegible]

[illegible]

NW corridor ✓

[illegible]

[illegible]

✓

✓

[illegible]

[illegible]

[illegible]

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

March 17, 2019

Enduring Resources

Sample Delivery Group:	L1078215
Samples Received:	03/13/2019
Project Number:	077919003
Description:	NEU #315H

Report To: James McDaniel
200 Energy Court
Farmington, NM 87401

Entire Report Reviewed By: Daphne R Richards

Daphne Richards
Project Manager

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TABLE OF CONTENTS

Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
SCRAPE 01 L1078215-01	5
SURFACE 01 L1078215-02	6
Qc: Quality Control Summary	7
Total Solids by Method 2540 G-2011	7
Wet Chemistry by Method 9056A	8
Volatile Organic Compounds (GC) by Method 8015/8021	9
Semi-Volatile Organic Compounds (GC) by Method 8015	11
Gl: Glossary of Terms	12
Sc: Sample Chain of Custody	14

SAMPLE SUMMARY

SCRAPE 01 L1078215 01 Solid

Collected by: DB / CM | Collected date/time: 03/08 19 15:40 | Received date/time: 03/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1249656	1	03/14/19 10:46	03/14/19 10:55	JD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1249390	1	03/14/19 17:30	03/15/19 11:07	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1249715	1	03/13/19 15:28	03/14/19 12:01	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1249556	1	03/13/19 21:59	03/14/19 11:24	KME	Mt. Juliet, TN

SURFACE 01 L1078215-02 Solid

Collected by: DB / CM | Collected date/time: 03/08 19 13:45 | Received date/time: 03/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1249656	1	03/14/19 10:46	03/14/19 10:55	JD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1249390	1	03/14/19 17:30	03/15/19 11:24	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1249715	100	03/13/19 15:28	03/14/19 12:21	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1249556	200	03/13/19 21:59	03/14/19 15:39	KME	Mt. Juliet, TN

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

Daphne R Richards

Daphne Richards
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	%				
Total Solids	87.0		1	03/14/2019 10:55	WG1219356

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Chloride	27.1	L	11.5	1	03/15/2019 11:07	WG1218896

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Benzene	0.00180		0.000574	1	03/14/2019 12:01	WG1219371
Toluene	ND		0.00574	1	03/14/2019 12:01	WG1219371
Ethylbenzene	0.00109	I	0.000574	1	03/14/2019 12:01	WG1219371
Total Xylenes	0.00395		0.00172	1	03/14/2019 12:01	WG1219371
TPH (GC/FID) Low Fraction	0.402		0.115	1	03/14/2019 12:01	WG1219371
(S) a,a,a-Trifluorotoluene(FID)	*90.7*		*77.0-120*		*03/14/2019 12:01*	WG1219371
(S) a,a,a-Trifluorotoluene(PID)	*93.3*		*72.0-128*		*03/14/2019 12:01*	WG1219371

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
C10-C28 Diesel Range	11.2		4.60	1	03/14/2019 11:24	WG1219536
C28-C40 Oil Range	4.60		4.60	1	03/14/2019 11:24	WG1219536
(S) o-Terphenyl	*82.1*		*18.0-148*		*03/14/2019 11:24*	WG1219536

SURFACE 01

Collected date/time: 03/08/19 16:45

SAMPLE RESULTS - 02

L1078215

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	87.5		1	03/14/2019 10:55	WG1219356

Wet Chemistry by Method 9056A

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Chloride	35.2	L	11.4	1	03/15/2019 11:24	WG1219899

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Benzene	0.146		0.0571	100	03/14/2019 12:21	WG1219371
Toluene	ND		0.571	100	03/14/2019 12:21	WG1219375
Ethylbenzene	0.378		0.0571	100	03/14/2019 12:21	WG1219375
Total Xylene	4.71	J6	0.171	100	03/14/2019 12:21	WG1219371
TPH (GC/FID) Low Fraction	259		11.4	100	03/14/2019 12:21	WG1219375
(S) a,a,a-Trifluorotoluene(FID)	*92.7*		*77.0-120*		*03/14/2019 12:21*	WG1219375
(S) a,a,a-Trifluorotoluene(PID)	*95.2*		*72.0-128*		*03/14/2019 12:21*	WG1219371

Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	19500		914	200	03/14/2019 15:39	WG1219356
C28-C40 Oil Range	8310		914	200	03/14/2019 15:39	WG1219356
(S) o-Terphenyl	*0.000*	J	*18.0-148*		*03/14/2019 15:39*	WG1219356

Method Blank (MB)

(MB) R3391902-1 03/14/19 10:55

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

L1078340-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1078340-01 03/14/19 10:55 • (DUP) R3391902-3 03/14/19 10:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	93.1	93.6	1	0.539		10

Laboratory Control Sample (LCS)

(LCS) R3391902-2 03/14/19 10:55

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

Method Blank (MB)

(MB) R3392075-1 03/15/19 08:11

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	3.43	J	0.795	10.0

L1077354-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1077354-18 03/15/19 08:59 • (DUP) R3392075-3 03/15/19 09:07

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	7.49	7.43	1	0.764		15

L1078215-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1078215-01 03/15/19 11:07 • (DUP) R3392075-4 03/15/19 11:15

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	27.1	27.5	1	1.39		15

Laboratory Control Sample (LCS)

(LCS) R3392075-2 03/15/19 08:19

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	200	100	80.0-120	

L1077354-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1077354-19 03/15/19 11:49 • (MS) R3392075-5 03/15/19 11:58 • (MSD) R3392075-6 03/15/19 12:06

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	531	9.63	529	535	97.9	99.0	1	80.0-120			1.12	15

Method Blank (MB)

(MB) R3391848-5 03/14/19 11:09

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000170	J	0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	0.0274	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*92.5*			*77.0-120*
(S) a,a,a-Trifluorotoluene(PID)	*96.0*			*72.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3391848-1 03/14/19 09:26 • (LCSD) R3391848-2 03/14/19 09:46

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Benzene	0.0500	0.0541	0.0449	108	89.7	76.0-121			18.7	20
Toluene	0.0500	0.0526	0.0435	105	87.0	80.0-120			19.0	20
Ethylbenzene	0.0500	0.0550	0.0408	110	81.7	80.0-124		J3	29.6	20
Total Xylene	0.150	0.163	0.134	108	89.1	37.0-160			19.5	20
(S) a,a,a-Trifluorotoluene(FID)				*92.1*	*92.0*	*77.0-120*				
(S) a,a,a-Trifluorotoluene(PID)				*92.9*	*94.1*	*72.0-128*				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3391848-3 03/14/19 10:07 • (LCSD) R3391848-4 03/14/19 10:28

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	4.68	4.74	85.1	86.2	72.0-127			1.28	20
(S) a,a,a-Trifluorotoluene(FID)				*102*	*101*	*77.0-120*				
(S) a,a,a-Trifluorotoluene(PID)				*99.8*	*99.6*	*72.0-128*				

L1078215-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1078215-02 03/14/19 12:21 • (MS) R3391848-6 03/14/19 18:13 • (MSD) R3391848-7 03/14/19 18:34

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Benzene	0.0571	0.146	4.51	4.93	76.3	83.8	100	10.0-155			9.03	37
Toluene	0.0571	ND	4.18	4.57	67.9	74.8	100	10.0-160			8.96	34
Ethylbenzene	0.0571	0.378	4.75	5.20	76.6	84.5	100	10.0-160			9.06	32
Total Xylene	0.171	4.71	17.0	18.3	71.5	79.5	100	10.0-160	J3		7.77	37
(S) α,α,α-Trifluorotoluene(FID)					*88.9*	*88.9*		*77.0-120*				
(S) α,α,α-Trifluorotoluene(PID)					*93.9*	*94.1*		*72.0-128*				

L1078215-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1078215-02 03/14/19 12:21 • (MS) R3391848-8 03/14/19 18:55 • (MSD) R3391848-9 03/14/19 19:15

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	6.28	269	865	842	94.8	91.1	100	10.0-151			2.75	28
(S) α,α,α-Trifluorotoluene(FID)					*103*	*102*		*77.0-120*				
(S) α,α,α-Trifluorotoluene(PID)					*103*	*103*		*72.0-128*				

Method Blank (MB)

(MB) R3391677-1 03/14/19 09:42

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	*97.3*			*18.0-148*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3391677-2 03/14/19 09:58 • (LCSD) R3391677-3 03/14/19 10:16

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Extractable Petroleum Hydrocarbon	50.0	37.6	37.7	65.7	65.4	50.0-150			0.306	20
C10-C28 Diesel Range	50.0	35.3	35.6	70.6	71.2	50.0-150			0.846	20
(S) o-Terphenyl				*97.9*	*99.8*	*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

ACCREDITATIONS & LOCATIONS

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

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

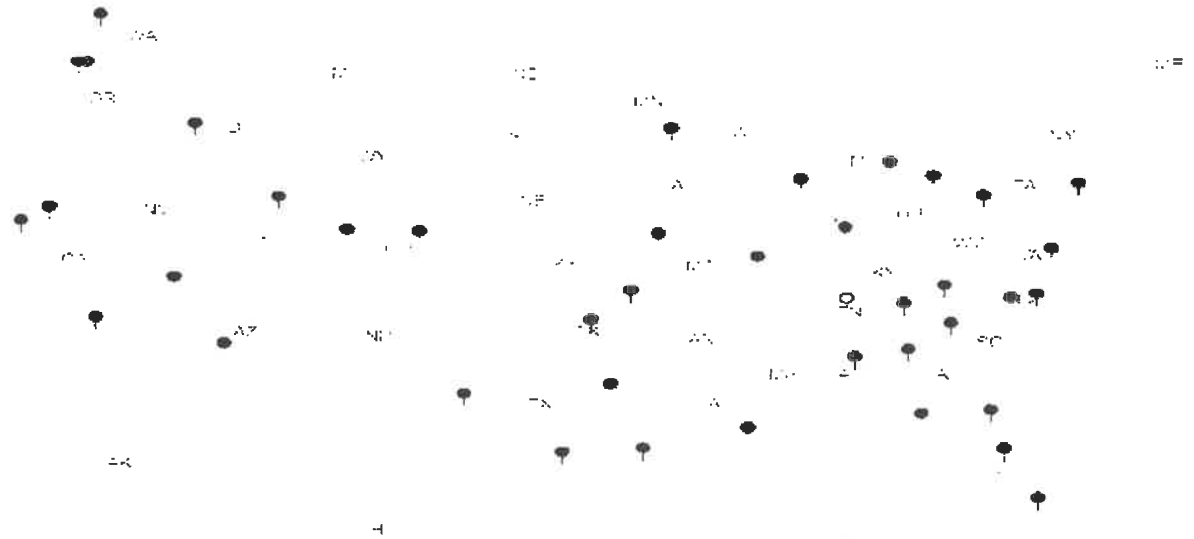
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT. Complete all relevant fields.

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: Enduring Resources, LLC	Billing Information: Bill to Enduring, attn James McDaniel
Address: 1050 17th St, Suite 2500 Denver, CO 80265	
Report To: James McDaniel	Email To: jmcdaniel@enduringresources.com
Copy To: aager@ltenv.com ; dburns@ltenv.com	Site Collection Info/Address:
Customer Project Name/Number: NEU #315H 07791900 3	State: NM / County/City: Sandoval / Time Zone Collected: [ ] PT [✓] MT [ ] CT [ ] ET
Phone: 505-636-9731 / Email: jmcdaniel@enduringresources.com	Site/Facility ID #: NEU #315H / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): D. Burns/C. McGinn	Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Daniel Burns	Turnaround Date Required: / Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [✓] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [✓] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No / Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **: U | U | U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses: BTEX | Chloride | TPH (GRO/DRO/MRO)

Lab Project Manager:

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N (NA)
Custody Signatures Present	Y	N (NA)
Collector Signature Present	(Y)	N NA
Bottles Intact	(Y)	N NA
Correct Bottles	(Y)	N NA
Sufficient Volume	(Y)	N NA
Samples Received on Ice	(Y)	N NA
VOA - Headspace Acceptable	Y	N (NA)
USDA Regulated Soils	Y	N (NA)
Samples in Holding Time	(Y)	N NA
Residual Chlorine Present	Y	N NA
Cl strips:		
Sample pH Acceptable	Y	N NA
pH Strips:		
Sulfide Present	Y	N NA
Lead Acetate Strips:		

LAB USE ONLY:
Lab Sample # / Comments:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lab Sample # / Comments
Scrape 01	Soil	Grab	3/8/2019	16:40				2	L1678215-01
Surface 01	Soil	Grab	3/8/2019	16:45				2	02

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 4146 3289 6452

Samples received via: (FEDEX) UPS Client Courier Pace Courier

E064

Lab Sample Temperature Info:
Temp Blank Received: Y (N) NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments: 2.2

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
LTE	3/12/19 11:45		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
		Pace	3/13/19 0545

Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y (N) NA
HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: ___ of: ___

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

March 19, 2019

Enduring Resources

Sample Delivery Group:	L1079227
Samples Received:	03/15/2019
Project Number:	NEU #315H
Description:	NEU #315H

Report To: James McDaniel
200 Energy Court
Farmington, NM 87401

Entire Report Reviewed By: Daphne R Richards

Daphne Richards
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304



TABLE OF CONTENTS

Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
WS-05 L1079227-01	5
WS-06 L1079227-02	6
Qc: Quality Control Summary	7
Wet Chemistry by Method 9056A	7
Volatile Organic Compounds (GC) by Method 8021B	8
Gl: Glossary of Terms	9
Sc: Sample Chain of Custody	11

SAMPLE SUMMARY

ONE LABORATORY. GLOBAL IMPACT.

WS 05 L1079227 01 GW			Collected by: DB/CM	Collected date/time: 03/12 16 17:15	Received date/time: 03/15 19 08:45	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1250856	1	03/16/19 16:18	03/16/19 16:18	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1250835	2	03/16/19 07:43	03/16/19 07:43	ACG	Mt. Juliet, TN

WS-06 L1079227-02 GW			Collected by: DB/CM	Collected date/time: 03/13/19 17:15	Received date/time: 03/15 19 08:45	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1250856	1	03/16/19 16:34	03/16/19 16:34	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1250835	2	03/16/19 08:07	03/16/19 08:07	ACG	Mt. Juliet, TN

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

Daphne R Richards

Daphne Richards
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/			
Chloride	16 8		1.00	1	03/6/2019 16:18	WC 2[illegible]

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/			
Benzene	ND		0.00100	2	03/6/2019 07:43	WG 2[illegible]
Toluene	ND		0.00200	2	03/6/2019 07:43	WG 2[illegible]
Ethylbenzene	ND		0.00100	2	03/6/2019 07:43	WG 2[illegible]
Total Xylene	ND		0.00300	2	03/6/2019 07:43	WG 2[illegible]
(S) a,a,a-Trifluorotoluene(PID)	*96.7*		*79.0-125*		*03/16/2019 07:43*	WG 2[illegible]

1 I
2 Ss
3 Cn
4 Sr
5 Qc
6 Gl
7 Sc

Wet Chemistry by Method 9056A

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/		date / time	
Chloride	20.0		1.00	1	03/16/2019 16:34	WG1279855

Volatile Organic Compounds (GC) by Method 8021B

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/		date / time	
Benzene	ND		0.00100	2	03/16/2019 08:07	WG1279832
Toluene	ND		0.00200	2	03/16/2019 08:07	WG1279832
Ethylbenzene	ND		0.00100	2	03/16/2019 08:07	WG1279832
Total Xylene	ND		0.00300	2	03/16/2019 08:07	WG1279832
(S) a,a,a-Trifluorotoluene(PID)	*96.9*		*79.0-125*		*03/16/2019 08:07*	WG1279832

Method Blank (MB)

(MB) R3392505-1 03/16/19 12:31

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.0519	1.00

L1079190-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1079190-01 03/16/19 14:59 • (DUP) R3392505-3 03/16/19 15:14

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	7.68	7.76	1	1.09		15

L1079548-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1079548-05 03/16/19 18:57 • (DUP) R3392505-6 03/16/19 19:13

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	1.05	1.04	1	0.592		15

Laboratory Control Sample (LCS)

(LCS) R3392505-2 03/16/19 12:47

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	40.5	101	80.0-120	

L1079190-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1079190-01 03/16/19 14:59 • (MS) R3392505-4 03/16/19 15:30 • (MSD) R3392505-5 03/16/19 15:46

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	7.68	56.6	57.1	97.8	98.8	1	80.0-120			0.849	15

L1079548-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1079548-05 03/16/19 18:57 • (MS) R3392505-7 03/16/19 19:29

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Chloride	50.0	1.05	50.7	99.3	1	80.0-120	

Method Blank (MB)

(MB) R3392591-3 03/16/19 06:55

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*96.9*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3392591-1 03/16/19 05:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0484	96.8	77.0-122	
Toluene	0.0500	0.0454	90.9	80.0-121	
Ethylbenzene	0.0500	0.0479	95.8	80.0-123	
Total Xylene	0.150	0.152	101	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*97.3*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

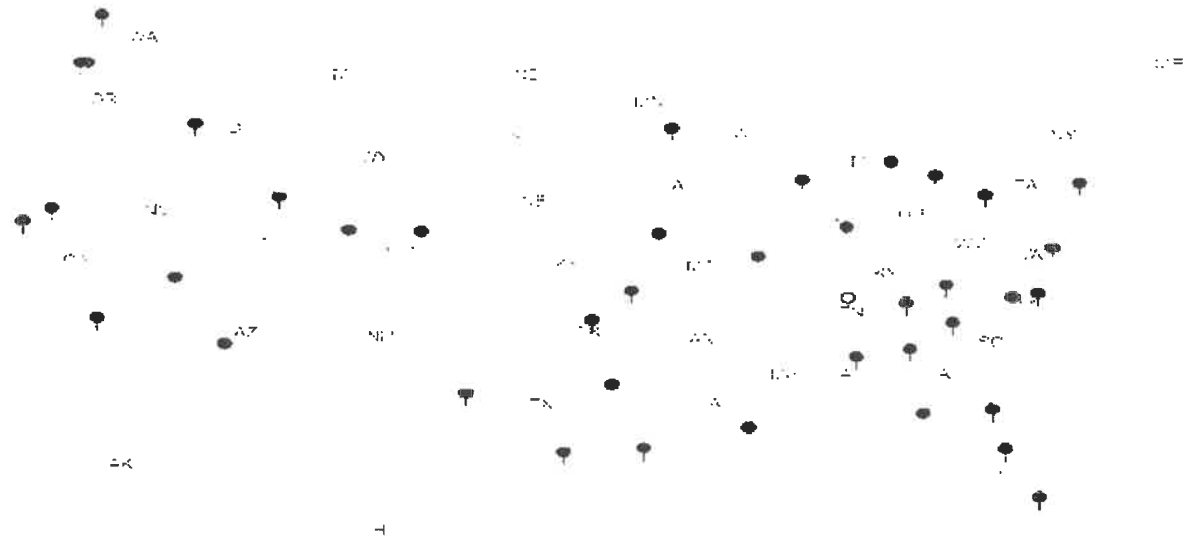
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: Enduring Resources, LLC	Billing Information: Bill to Enduring, attn James McDaniel
Address: 1050 17th St, Suite 2500 Denver, CO 80265	Email To: jmcdaniel@enduringresources.com
Report To: James McDaniel	Site Collection Info/Address: NEU #315H
Copy To: aager@ltenv.com ; dburns@ltenv.com	State: NM / County/City: Sandoval / Time Zone Collected: [ ]PT [✓]MT [ ]CT [ ]ET
Customer Project Name/Number: NEU #315H	
Phone: 505-636-9731 / Email: jmcdaniel@enduringresources.com	Site/Facility ID #: NEU #315H
Collected By (print): D. Burns/C. McGinn	Purchase Order #: / Quote #:
Collected By (signature):	Turnaround Date Required:
Sample Disposal: [✓] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [✓] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Compliance Monitoring? [ ] Yes [ ] No
	DW PWS ID #: / DW Location Code:
	Immediately Packed on Ice: [ ] Yes [ ] No
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Container Preservative Type **: 3 U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	BTEX	Chloride
WS-05	GW	Grab	3/12/19	11:15				4	X	X
WS-06	GW	Grab	3/13/2019	11:15				4	X	X

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:	
Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N
Cl Strips:	
Sample pH Acceptable	Y N
pH Strips:	
Sulfide Present	Y N
Lead Acetate Strips:	

LAB USE ONLY: Lab Sample Temperature Info: Comments: 0.5 mR/hr RAD SCREEN: 109727

.01

.02

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 4196 3254 6430

Samples received via: (FEDEX) UPS Client Courier Pace Courier

C145

Lab Sample Temperature Info:
Temp Blank Received: Y N (NA)
Therm ID#: AM AZ
Cooler 1 Temp Upon Receipt: 3.4 oC
Cooler 1 Therm Corr. Factor: -.2 oC
Cooler 1 Corrected Temp: 3.7 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 3/15/19 2345	Acctnum:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Template:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Prelogin:
				PM:
				PB:

Trip Blank Received: Y (N) NA
HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: _____ of: _____

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

March 21, 2019

Enduring Resources

Sample Delivery Group:	L1079976
Samples Received:	03/19/2019
Project Number:	
Description:	NEU #315H
Site:	NEU #315H
Report To:	James McDaniel
	200 Energy Court
	Farmington, NM 87401

Entire Report Reviewed By: Daphne R Richards

Daphne Richards
Project Manager

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TABLE OF CONTENTS

Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
WS-07 L1079976-01	5
WS-08 L1079976-02	6
WS-09 L1079976-03	7
Qc: Quality Control Summary	8
Wet Chemistry by Method 9056A	8
Volatile Organic Compounds (GC) by Method 8021B	9
Gl: Glossary of Terms	10
Sc: Sample Chain of Custody	12

SAMPLE SUMMARY

ONE LABORATORY. [illegible]

WS 07 L1079976 01 GW

Collected by: DB/CM-CJ | Collected date/time: 03/14/19 11:15 | Received date/time: 03/18/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1252510	1	03/21/19 05:03	03/21/19 05:03	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1252810	1	03/20/19 23:26	03/20/19 23:26	DWR	Mt. Juliet, TN

WS-08 L1079976-02 GW

Collected by: DB/CM-CJ | Collected date/time: 03/15/19 12:40 | Received date/time: 03/18/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1252510	1	03/21/19 05:19	03/21/19 05:19	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1252810	1	03/20/19 23:47	03/20/19 23:47	DWR	Mt. Juliet, TN

WS-09 L1079976-03 GW

Collected by: DB/CM-CJ | Collected date/time: 03/15/19 11:40 | Received date/time: 03/18/19 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1252510	1	03/21/19 05:35	03/21/19 05:35	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1252810	1	03/21/19 00:07	03/21/19 00:07	DWR	Mt. Juliet, TN

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

Daphne R Richards

Daphne Richards
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	RDL mg/	Dilution	Analysis date / time	Batch
Chloride	17.7		1.00	1	03/21/2019 05:03	WC [illegible]

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	03/20/2019 23:26	WG [illegible]
Toluene	ND		0.00100	1	03/20/2019 23:26	WG [illegible]
Ethylbenzene	ND		0.000500	1	03/20/2019 23:26	WG [illegible]
Total Xylene	ND		0.00150	1	03/20/2019 23:26	WG [illegible]
(S) a,a,a-Trifluorotoluene(PID)	*99.3*		*79.0-125*		*03/20/2019 23:26*	WG [illegible]

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/		date / time	
Chloride	23.5		1.00	1	03/21/2019 05:19	WC [illegible]

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/		date / time	
Benzene	ND		0.000500	1	03/20/2019 23:47	WG [illegible]
Toluene	ND		0.00100	1	03/20/2019 23:47	WG [illegible]
Ethylbenzene	ND		0.000500	1	03/20/2019 23:47	WG [illegible]
Total Xylene	ND		0.00150	1	03/20/2019 23:47	WG [illegible]
(S) a,a,a-Trifluorotoluene(PID)	*98.4*		*79.0-125*		*03/20/2019 23:47*	WG [illegible]

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	RDL mg/	Dilution	Analysis date / time	Batch
Chloride	29.6		1.00	1	03/21/2019 05:35	[illegible]

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	03/21/2019 00:07	[illegible]
Toluene	ND		0.00100	1	03/21/2019 00:07	[illegible]
Ethylbenzene	ND		0.000500	1	03/21/2019 00:07	[illegible]
Total Xylene	ND		0.00150	1	03/21/2019 00:07	[illegible]
(S) a,a,a-Trifluorotoluene(PID)	*99.7*		*79.0-125*		*03/21/2019 00:07*	[illegible]

Method Blank (MB)

(MB) R3393627-1 03/20/19 21:01

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.0519	1.00

L1079198-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1079198-01 03/20/19 22:10 • (DUP) R3393627-3 03/20/19 22:25

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	4.77	4.76	1	0.273		15

L1078975-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1078975-06 03/21/19 00:17 • (DUP) R3393627-6 03/21/19 00:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	ND	0.000	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3393627-2 03/20/19 21:17

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	40.8	102	80.0-120	

L1079198-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1079198-01 03/20/19 22:10 • (MS) R3393627-4 03/20/19 22:41 • (MSD) R3393627-5 03/20/19 22:57

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	4.77	56.3	56.6	103	104	1	80.0-120			0.569	15

L1078975-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1078975-06 03/21/19 00:17 • (MS) R3393627-7 03/21/19 00:48

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Chloride	50.0	ND	51.1	102	1	80.0-120	

Method Blank (MB)

(MB) R3393653-5 03/20/19 16:21

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*98.9*			*79.0-125*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3393653-1 03/20/19 14:39 • (LCSD) R3393653-2 03/20/19 14:59

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Benzene	0.0500	0.0586	0.0593	117	119	77.0-122			1.26	20
Toluene	0.0500	0.0540	0.0545	108	109	80.0-121			0.846	20
Ethylbenzene	0.0500	0.0584	0.0594	117	119	80.0-123			1.65	20
Total Xylene	0.150	0.178	0.182	119	121	47.0-154			1.89	20
(S) a,a,a-Trifluorotoluene(PID)				*100*	*99.6*	*79.0-125*				

L1079666-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1079666-30 03/20/19 22:46 • (MS) R3393653-6 03/21/19 00:27 • (MSD) R3393653-7 03/21/19 00:48

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Benzene	0.0500	0.00130	0.0548	0.0570	107	111	1	10.0-160			3.93	21
Toluene	0.0500	0.00262	0.0525	0.0546	99.8	104	1	12.0-148			3.82	21
Ethylbenzene	0.0500	0.0207	0.0716	0.0741	102	107	1	22.0-149			3.41	21
Total Xylene	0.150	0.0293	0.187	0.195	105	111	1	13.0-155			4.13	21
(S) a,a,a-Trifluorotoluene(PID)					*96.2*	*95.9*		*79.0-125*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [2]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT. Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: Enduring Resources, LLC

Address: 1050 17th St, Suite 2500 Denver, CO 80265

Report To: James McDaniel

Copy To: aager@ltenv.com ; dburns@ltenv.com

Customer Project Name/Number: NEU #315H

Phone: 505-636-9731

Email: jmcdaniel@enduringresources.com

Collected By (print): D. Burns/C. McGinn/C. Jones

Collected By (Signature):

Sample Disposal: [✓] Dispose as appropriate [ ] Return [ ] Archive [ ] Hold: ___

Billing Information: Bill to Enduring, attn James McDaniel

Email To: jmcdaniel@enduringresources.com

Site Collection Info/Address: NEU #315H

State: NM

County/City: Sandoval

Time Zone Collected: [ ] PT [✓] MT [ ] CT [ ] ET

Site/Facility ID #: NEU #315H

Purchase Order #:

Quote #:

Turnaround Date Required: 48 hrs

Rush: [ ] Same Day [ ] Next Day [✓] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [ ] No

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice: [✓] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: ___

Container Preservative Type **: 3 | U

** Preservative Types: (1) ice only, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) Perchlorate, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Lab Project Manager:

Analyses

Lab Profile/Line:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Cntrs	BTEX	Chloride
WS-07	GW	Grab	3/14/19	11:15				4	X	X
WS-08	GW	Grab	3/15/19	12:40				4	X	X
WS-09	GW	Grab	3/16/19	11:40				4	X	X

LID79976

-01
-02
-03

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (O)

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 6777 0002 1303

Samples received via: FEDEX UPS Client Courier Pace Courier

B204

Lab Sample Temperature Info:
Temp Blank Received: Y N (NA)
Therm ID#: AM 44
Cooler 1 Temp Upon Receipt: 2.9 oC
Cooler 1 Therm Corr. Factor: +.2 oC
Cooler 1 Corrected Temp: 3.1 oC
Comments:
RAD SCREEN: <0.5 mR/hr

Trip Blank Received: Y (N) NA
HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: ___ of: ___

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Accnum:
	3/18/19/12:50			Template:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Prelogin:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 3/16/19 1230	PM:
				PB:

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 14, 2019

James McDaniel
Enduring Resources
332 Road 3100
Aztec, NM 87140
TEL:
FAX

RE: NEU 315H

OrderNo.: 1905003

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 172 sample(s) on 5/1/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-001 **Matrix:** SOIL

Client Sample ID: SB-103-01
Collection Date: 4/29/2019 8:40:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	5.5	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	63		mg/Kg-dr	20	5/2/2019 2:21:54 PM	44678
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/2/2019 2:07:06 PM	44640
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/2/2019 2:07:06 PM	44640
Surr: DNOP	77.3	70-130		%Rec	1	5/2/2019 2:07:06 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/2/2019 6:56:00 PM	44653
Surr: BFB	92.5	73.8-119		%Rec	1	5/2/2019 6:56:00 PM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/2/2019 6:56:00 PM	44653
Toluene	ND	0.053		mg/Kg-dr	1	5/2/2019 6:56:00 PM	44653
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/2/2019 6:56:00 PM	44653
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 6:56:00 PM	44653
Surr: 4-Bromofluorobenzene	92.0	80-120		%Rec	1	5/2/2019 6:56:00 PM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-002 **Matrix:** SOIL

Client Sample ID: SB-101-01
Collection Date: 4/29/2019 8:45:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	3.2	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	62		mg/Kg-dr	20	5/2/2019 2:34:18 PM	44678
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/2/2019 2:31:47 PM	44640
Motor Oil Range Organics (MRO)	ND	51		mg/Kg-dr	1	5/2/2019 2:31:47 PM	44640
Surr: DNOP	70.4	70-130		%Rec	1	5/2/2019 2:31:47 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg-dr	1	5/2/2019 7:19:19 PM	44653
Surr: BFB	90.1	73.8-119		%Rec	1	5/2/2019 7:19:19 PM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg-dr	1	5/2/2019 7:19:19 PM	44653
Toluene	ND	0.050		mg/Kg-dr	1	5/2/2019 7:19:19 PM	44653
Ethylbenzene	ND	0.050		mg/Kg-dr	1	5/2/2019 7:19:19 PM	44653
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/2/2019 7:19:19 PM	44653
Surr: 4-Bromofluorobenzene	89.7	80-120		%Rec	1	5/2/2019 7:19:19 PM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-003 **Matrix:** SOIL

Client Sample ID: SB-099-01
Collection Date: 4/29/2019 8:58:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	9.5	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	67		mg/Kg-dr	20	5/2/2019 2:46:43 PM	44678
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 2:56:13 PM	44640
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/2/2019 2:56:13 PM	44640
Surr: DNOP	83.9	70-130		%Rec	1	5/2/2019 2:56:13 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/2/2019 7:42:37 PM	44653
Surr: BFB	92.5	73.8-119		%Rec	1	5/2/2019 7:42:37 PM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/2/2019 7:42:37 PM	44653
Toluene	ND	0.054		mg/Kg-dr	1	5/2/2019 7:42:37 PM	44653
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/2/2019 7:42:37 PM	44653
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 7:42:37 PM	44653
Surr: 4-Bromofluorobenzene	92.8	80-120		%Rec	1	5/2/2019 7:42:37 PM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-004 **Matrix:** SOIL

Client Sample ID: SB-097-01
Collection Date: 4/29/2019 9:06:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	11	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	110	67		mg/Kg-dr	20	5/2/2019 3:23:56 PM	44678
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	210	11		mg/Kg-dr	1	5/2/2019 3:20:39 PM	44640
Motor Oil Range Organics (MRO)	64	54		mg/Kg-dr	1	5/2/2019 3:20:39 PM	44640
Surr: DNOP	87.5	70-130		%Rec	1	5/2/2019 3:20:39 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	33	5.5		mg/Kg-dr	1	5/2/2019 8:05:58 PM	44653
Surr: BFB	305	73.8-119	S	%Rec	1	5/2/2019 8:05:58 PM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/2/2019 8:05:58 PM	44653
Toluene	ND	0.055		mg/Kg-dr	1	5/2/2019 8:05:58 PM	44653
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/2/2019 8:05:58 PM	44653
Xylenes, Total	0.47	0.11		mg/Kg-dr	1	5/2/2019 8:05:58 PM	44653
Surr: 4-Bromofluorobenzene	96.1	80-120		%Rec	1	5/2/2019 8:05:58 PM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-005 **Matrix:** SOIL

Client Sample ID: SB-097-03
Collection Date: 4/29/2019 9:10:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	5.7	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	64		mg/Kg-dr	20	5/2/2019 3:36:21 PM	44678
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 3:45:01 PM	44640
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/2/2019 3:45:01 PM	44640
Surr: DNOP	77.2	70-130		%Rec	1	5/2/2019 3:45:01 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/2/2019 8:29:21 PM	44653
Surr: BFB	92.7	73.8-119		%Rec	1	5/2/2019 8:29:21 PM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/2/2019 8:29:21 PM	44653
Toluene	ND	0.053		mg/Kg-dr	1	5/2/2019 8:29:21 PM	44653
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/2/2019 8:29:21 PM	44653
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 8:29:21 PM	44653
Surr: 4-Bromofluorobenzene	91.0	80-120		%Rec	1	5/2/2019 8:29:21 PM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-006 **Matrix:** SOIL

Client Sample ID: SB-095-01
Collection Date: 4/29/2019 9:40:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	14	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	84	69		mg/Kg-dr	20	5/2/2019 3:48:46 PM	44678
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/2/2019 4:09:28 PM	44640
Motor Oil Range Organics (MRO)	ND	59		mg/Kg-dr	1	5/2/2019 4:09:28 PM	44640
Surr: DNOP	83.9	70-130		%Rec	1	5/2/2019 4:09:28 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/2/2019 8:52:46 PM	44653
Surr: BFB	91.8	73.8-119		%Rec	1	5/2/2019 8:52:46 PM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/2/2019 8:52:46 PM	44653
Toluene	ND	0.056		mg/Kg-dr	1	5/2/2019 8:52:46 PM	44653
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/2/2019 8:52:46 PM	44653
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 8:52:46 PM	44653
Surr: 4-Bromofluorobenzene	92.5	80-120		%Rec	1	5/2/2019 8:52:46 PM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-007 **Matrix:** SOIL

Client Sample ID: SB-093-01
Collection Date: 4/29/2019 9:55:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE							Analyst: **DJF**
Percent Moisture	4.9	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS							Analyst: **MRA**
Chloride	86	63		mg/Kg-dr	20	5/2/2019 4:01:10 PM	44678
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **TOM**
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/3/2019 8:05:35 AM	44640
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	5/3/2019 8:05:35 AM	44640
Surr: DNOP	86.1	70-130		%Rec	1	5/3/2019 8:05:35 AM	44640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	5/2/2019 9:16:16 PM	44653
Surr: BFB	93.3	73.8-119		%Rec	1	5/2/2019 9:16:16 PM	44653
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**
Benzene	ND	0.026		mg/Kg-dr	1	5/2/2019 9:16:16 PM	44653
Toluene	ND	0.052		mg/Kg-dr	1	5/2/2019 9:16:16 PM	44653
Ethylbenzene	ND	0.052		mg/Kg-dr	1	5/2/2019 9:16:16 PM	44653
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/2/2019 9:16:16 PM	44653
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	5/2/2019 9:16:16 PM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-008 **Matrix:** SOIL

Client Sample ID: SB-091-01
Collection Date: 4/29/2019 10:07:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	9.3	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	66		mg/Kg-dr	20	5/2/2019 11:55:47 AM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg-dr	1	5/2/2019 4:58:10 PM	44640
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/2/2019 4:58:10 PM	44640
Surr: DNOP	80.2	70-130		%Rec	1	5/2/2019 4:58:10 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/2/2019 11:13:12 PM	44653
Surr: BFB	93.4	73.8-119		%Rec	1	5/2/2019 11:13:12 PM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/2/2019 11:13:12 PM	44653
Toluene	ND	0.054		mg/Kg-dr	1	5/2/2019 11:13:12 PM	44653
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/2/2019 11:13:12 PM	44653
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 11:13:12 PM	44653
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	5/2/2019 11:13:12 PM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%R Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-009 **Matrix:** SOIL

Client Sample ID: SB-089-01
Collection Date: 4/29/2019 10:25:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	6.1	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	64		mg/Kg-dr	20	5/2/2019 12:33:00 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 5:22:36 PM	44640
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/2/2019 5:22:36 PM	44640
Surr: DNOP	74.8	70-130		%Rec	1	5/2/2019 5:22:36 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	5/2/2019 11:36:31 PM	44653
Surr: BFB	90.5	73.8-119		%Rec	1	5/2/2019 11:36:31 PM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/2/2019 11:36:31 PM	44653
Toluene	ND	0.052		mg/Kg-dr	1	5/2/2019 11:36:31 PM	44653
Ethylbenzene	ND	0.052		mg/Kg-dr	1	5/2/2019 11:36:31 PM	44653
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/2/2019 11:36:31 PM	44653
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	5/2/2019 11:36:31 PM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-010 **Matrix:** SOIL

Client Sample ID: SB-087-01
Collection Date: 4/29/2019 10:42:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	9.4	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	66		mg/Kg-dr	20	5/2/2019 12:45:25 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 5:47:17 PM	44640
Motor Oil Range Organics (MRO)	ND	56		mg/Kg-dr	1	5/2/2019 5:47:17 PM	44640
Surr: DNOP	72.6	70-130		%Rec	1	5/2/2019 5:47:17 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/2/2019 11:59:47 PM	44653
Surr: BFB	90.4	73.8-119		%Rec	1	5/2/2019 11:59:47 PM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/2/2019 11:59:47 PM	44653
Toluene	ND	0.053		mg/Kg-dr	1	5/2/2019 11:59:47 PM	44653
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/2/2019 11:59:47 PM	44653
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 11:59:47 PM	44653
Surr: 4-Bromofluorobenzene	90.9	80-120		%Rec	1	5/2/2019 11:59:47 PM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-011 **Matrix:** SOIL

Client Sample ID: SB-085-01
Collection Date: 4/29/2019 11:00:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	5.9	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	150	64		mg/Kg-dr	20	5/2/2019 12:57:49 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/2/2019 6:11:47 PM	44640
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	5/2/2019 6:11:47 PM	44640
Surr: DNOP	74.3	70-130		%Rec	1	5/2/2019 6:11:47 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg-dr	1	5/3/2019 12:22:59 AM	44653
Surr: BFB	91.0	73.8-119		%Rec	1	5/3/2019 12:22:59 AM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/3/2019 12:22:59 AM	44653
Toluene	ND	0.051		mg/Kg-dr	1	5/3/2019 12:22:59 AM	44653
Ethylbenzene	ND	0.051		mg/Kg-dr	1	5/3/2019 12:22:59 AM	44653
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/3/2019 12:22:59 AM	44653
Surr: 4-Bromofluorobenzene	92.0	80-120		%Rec	1	5/3/2019 12:22:59 AM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-012 **Matrix:** SOIL

Client Sample ID: SB-083-01
Collection Date: 4/29/2019 11:10:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	4.9	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	63		mg/Kg-dr	20	5/2/2019 1:35:04 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/2/2019 6:36:24 PM	44640
Motor Oil Range Organics (MRO)	ND	51		mg/Kg-dr	1	5/2/2019 6:36:24 PM	44640
Surr: DNOP	77.4	70-130		%Rec	1	5/2/2019 6:36:24 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg-dr	1	5/3/2019 12:46:14 AM	44653
Surr: BFB	91.6	73.8-119		%Rec	1	5/3/2019 12:46:14 AM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg-dr	1	5/3/2019 12:46:14 AM	44653
Toluene	ND	0.050		mg/Kg-dr	1	5/3/2019 12:46:14 AM	44653
Ethylbenzene	ND	0.050		mg/Kg-dr	1	5/3/2019 12:46:14 AM	44653
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/3/2019 12:46:14 AM	44653
Surr: 4-Bromofluorobenzene	92.2	80-120		%Rec	1	5/3/2019 12:46:14 AM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-013 **Matrix:** SOIL

Client Sample ID: SB-081-01
Collection Date: 4/29/2019 11:35:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	120	68		mg/Kg-dr	20	5/2/2019 1:47:28 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 7:00:45 PM	44640
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	5/2/2019 7:00:45 PM	44640
Surr: DNOP	82.7	70-130		%Rec	1	5/2/2019 7:00:45 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/3/2019 1:09:34 AM	44653
Surr: BFB	91.6	73.8-119		%Rec	1	5/3/2019 1:09:34 AM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/3/2019 1:09:34 AM	44653
Toluene	ND	0.056		mg/Kg-dr	1	5/3/2019 1:09:34 AM	44653
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/3/2019 1:09:34 AM	44653
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/3/2019 1:09:34 AM	44653
Surr: 4-Bromofluorobenzene	91.5	80-120		%Rec	1	5/3/2019 1:09:34 AM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-014 **Matrix:** SOIL

Client Sample ID: SB-079-01
Collection Date: 4/29/2019 11:50:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	150	73		mg/Kg-dr	20	5/2/2019 1:59:53 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/2/2019 7:25:24 PM	44640
Motor Oil Range Organics (MRO)	ND	60		mg/Kg-dr	1	5/2/2019 7:25:24 PM	44640
Surr: DNOP	79.5	70-130		%Rec	1	5/2/2019 7:25:24 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/3/2019 1:33:03 AM	44653
Surr: BFB	89.0	73.8-119		%Rec	1	5/3/2019 1:33:03 AM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/3/2019 1:33:03 AM	44653
Toluene	ND	0.058		mg/Kg-dr	1	5/3/2019 1:33:03 AM	44653
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/3/2019 1:33:03 AM	44653
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/3/2019 1:33:03 AM	44653
Surr: 4-Bromofluorobenzene	88.3	80-120		%Rec	1	5/3/2019 1:33:03 AM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-015 **Matrix:** SOIL

Client Sample ID: SB-077-01
Collection Date: 4/29/2019 12:10:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	71		mg/Kg-dr	20	5/2/2019 2:12:17 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 7:49:59 PM	44640
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/2/2019 7:49:59 PM	44640
Surr: DNOP	75.8	70-130		%Rec	1	5/2/2019 7:49:59 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	5/3/2019 1:56:36 AM	44653
Surr: BFB	90.3	73.8-119		%Rec	1	5/3/2019 1:56:36 AM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/3/2019 1:56:36 AM	44653
Toluene	ND	0.059		mg/Kg-dr	1	5/3/2019 1:56:36 AM	44653
Ethylbenzene	ND	0.059		mg/Kg-dr	1	5/3/2019 1:56:36 AM	44653
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/3/2019 1:56:36 AM	44653
Surr: 4-Bromofluorobenzene	89.9	80-120		%Rec	1	5/3/2019 1:56:36 AM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-016 **Matrix:** SOIL

Client Sample ID: SB-075-01
Collection Date: 4/29/2019 12:25:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	14	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	70		mg/Kg-dr	20	5/2/2019 2:24:42 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 8:14:36 PM	44640
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	5/2/2019 8:14:36 PM	44640
Surr: DNOP	74.1	70-130		%Rec	1	5/2/2019 8:14:36 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/3/2019 2:20:09 AM	44653
Surr: BFB	86.6	73.8-119		%Rec	1	5/3/2019 2:20:09 AM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/3/2019 2:20:09 AM	44653
Toluene	ND	0.058		mg/Kg-dr	1	5/3/2019 2:20:09 AM	44653
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/3/2019 2:20:09 AM	44653
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/3/2019 2:20:09 AM	44653
Surr: 4-Bromofluorobenzene	85.6	80-120		%Rec	1	5/3/2019 2:20:09 AM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Client Sample ID: SB-073-01
Project: NEU 31511
Collection Date: 4/29/2019 1:00:00 PM
Lab ID: 1905003-017 **Matrix:** SOIL **Received Date:** 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.8	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	66		mg/Kg-dr	20	5/2/2019 2:37:06 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/2/2019 8:39:03 PM	44640
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	5/2/2019 8:39:03 PM	44640
Surr: DNOP	84.9	70-130		%Rec	1	5/2/2019 8:39:03 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/3/2019 2:43:40 AM	44653
Surr: BFB	91.2	73.8-119		%Rec	1	5/3/2019 2:43:40 AM	44653
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/3/2019 2:43:40 AM	44653
Toluene	ND	0.054		mg/Kg-dr	1	5/3/2019 2:43:40 AM	44653
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/3/2019 2:43:40 AM	44653
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/3/2019 2:43:40 AM	44653
Surr: 4-Bromofluorobenzene	90.3	80-120		%Rec	1	5/3/2019 2:43:40 AM	44653

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-018 **Matrix:** SOIL

Client Sample ID: SB-071-01
Collection Date: 4/29/2019 1:15:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	14	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	70		mg/Kg-dr	20	5/2/2019 2:49:30 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 9:03:28 PM	44640
Motor Oil Range Organics (MRO)	ND	54		mg/Kg-dr	1	5/2/2019 9:03:28 PM	44640
Surr: DNOP	74.2	70-130		%Rec	1	5/2/2019 9:03:28 PM	44640
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/2/2019 9:55:01 AM	44661
Surr: BFB	89.0	73.8-119		%Rec	1	5/2/2019 9:55:01 AM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/2/2019 9:55:01 AM	44661
Toluene	ND	0.058		mg/Kg-dr	1	5/2/2019 9:55:01 AM	44661
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/2/2019 9:55:01 AM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 9:55:01 AM	44661
Surr: 4-Bromofluorobenzene	90.2	80-120		%Rec	1	5/2/2019 9:55:01 AM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-019 **Matrix:** SOIL

Client Sample ID: SB-069-01
Collection Date: 4/29/2019 1:25:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	70		mg/Kg-dr	20	5/2/2019 3:01:55 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/2/2019 9:03:55 AM	44641
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/2/2019 9:03:55 AM	44641
Surr: DNOP	96.4	70-130		%Rec	1	5/2/2019 9:03:55 AM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/2/2019 11:03:19 AM	44661
Surr: BFB	89.1	73.8-119		%Rec	1	5/2/2019 11:03:19 AM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/2/2019 11:03:19 AM	44661
Toluene	ND	0.058		mg/Kg-dr	1	5/2/2019 11:03:19 AM	44661
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/2/2019 11:03:19 AM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 11:03:19 AM	44661
Surr: 4-Bromofluorobenzene	90.5	80-120		%Rec	1	5/2/2019 11:03:19 AM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-020 **Matrix:** SOIL

Client Sample ID: SB-067-01
Collection Date: 4/29/2019 1:35:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	71		mg/Kg-dr	20	5/2/2019 3:14:20 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/2/2019 9:27:55 AM	44641
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/2/2019 9:27:55 AM	44641
Surr: DNOP	92.5	70-130		%Rec	1	5/2/2019 9:27:55 AM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg-dr	1	5/2/2019 12:11:16 PM	44661
Surr: BFB	92.8	73.8-119		%Rec	1	5/2/2019 12:11:16 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/2/2019 12:11:16 PM	44661
Toluene	ND	0.057		mg/Kg-dr	1	5/2/2019 12:11:16 PM	44661
Ethylbenzene	ND	0.057		mg/Kg-dr	1	5/2/2019 12:11:16 PM	44661
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 12:11:16 PM	44661
Surr: 4-Bromofluorobenzene	94.2	80-120		%Rec	1	5/2/2019 12:11:16 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-021 **Matrix:** SOIL

Client Sample ID: SB-065-01
Collection Date: 4/29/2019 1:45:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	69		mg/Kg-dr	20	5/2/2019 3:26:45 PM	44660
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg-dr	1	5/2/2019 9:55:23 AM	44641
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/2/2019 9:55:23 AM	44641
Surr: DNOP	93.6	70-130		%Rec	1	5/2/2019 9:55:23 AM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/2/2019 12:34:08 PM	44661
Surr: BFB	89.1	73.8-119		%Rec	1	5/2/2019 12:34:08 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/2/2019 12:34:08 PM	44661
Toluene	ND	0.055		mg/Kg-dr	1	5/2/2019 12:34:08 PM	44661
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/2/2019 12:34:08 PM	44661
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 12:34:08 PM	44661
Surr: 4-Bromofluorobenzene	88.4	80-120		%Rec	1	5/2/2019 12:34:08 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-022 **Matrix:** SOIL

Client Sample ID: SB-063-01
Collection Date: 4/29/2019 1:55:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	68		mg/Kg-dr	20	5/2/2019 4:03:59 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg-dr	1	5/2/2019 10:19:24 AM	44641
Motor Oil Range Organics (MRO)	ND	46		mg/Kg-dr	1	5/2/2019 10:19:24 AM	44641
Surr: DNOP	95.1	70-130		%Rec	1	5/2/2019 10:19:24 AM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/2/2019 12:56:50 PM	44661
Surr: BFB	89.3	73.8-119		%Rec	1	5/2/2019 12:56:50 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/2/2019 12:56:50 PM	44661
Toluene	ND	0.056		mg/Kg-dr	1	5/2/2019 12:56:50 PM	44661
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/2/2019 12:56:50 PM	44661
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 12:56:50 PM	44661
Surr: 4-Bromofluorobenzene	88.5	80-120		%Rec	1	5/2/2019 12:56:50 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-023 **Matrix:** SOIL

Client Sample ID: SB-061-01
Collection Date: 4/29/2019 2:00:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	14	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	70		mg/Kg-dr	20	5/2/2019 4:16:24 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg-dr	1	5/2/2019 10:43:29 AM	44641
Motor Oil Range Organics (MRO)	ND	47		mg/Kg-dr	1	5/2/2019 10:43:29 AM	44641
Surr: DNOP	96.1	70-130		%Rec	1	5/2/2019 10:43:29 AM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg-dr	1	5/2/2019 1:19:29 PM	44661
Surr: BFB	93.3	73.8-119		%Rec	1	5/2/2019 1:19:29 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/2/2019 1:19:29 PM	44661
Toluene	ND	0.057		mg/Kg-dr	1	5/2/2019 1:19:29 PM	44661
Ethylbenzene	ND	0.057		mg/Kg-dr	1	5/2/2019 1:19:29 PM	44661
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 1:19:29 PM	44661
Surr: 4-Bromofluorobenzene	94.0	80-120		%Rec	1	5/2/2019 1:19:29 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-024 **Matrix:** SOIL

Client Sample ID: SB-059-01
Collection Date: 4/29/2019 2:12:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	14	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	69		mg/Kg-dr	20	5/2/2019 4:28:49 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg-dr	1	5/2/2019 11:07:32 AM	44641
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/2/2019 11:07:32 AM	44641
Surr: DNOP	95.9	70-130		%Rec	1	5/2/2019 11:07:32 AM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/2/2019 1:42:10 PM	44661
Surr: BFB	88.9	73.8-119		%Rec	1	5/2/2019 1:42:10 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/2/2019 1:42:10 PM	44661
Toluene	ND	0.056		mg/Kg-dr	1	5/2/2019 1:42:10 PM	44661
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/2/2019 1:42:10 PM	44661
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 1:42:10 PM	44661
Surr: 4-Bromofluorobenzene	89.4	80-120		%Rec	1	5/2/2019 1:42:10 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-025 **Matrix:** SOIL

Client Sample ID: SB-057-01
Collection Date: 4/29/2019 2:18:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	68		mg/Kg-dr	20	5/2/2019 4:41:14 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg-dr	1	5/2/2019 11:31:35 AM	44641
Motor Oil Range Organics (MRO)	ND	45		mg/Kg-dr	1	5/2/2019 11:31:35 AM	44641
Surr: DNOP	97.4	70-130		%Rec	1	5/2/2019 11:31:35 AM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/2/2019 2:04:49 PM	44661
Surr: BFB	93.6	73.8-119		%Rec	1	5/2/2019 2:04:49 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/2/2019 2:04:49 PM	44661
Toluene	ND	0.056		mg/Kg-dr	1	5/2/2019 2:04:49 PM	44661
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/2/2019 2:04:49 PM	44661
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 2:04:49 PM	44661
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	5/2/2019 2:04:49 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-026 **Matrix:** SOIL

Client Sample ID: SB-055-01
Collection Date: 4/29/2019 2:28:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	20	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	75		mg/Kg-dr	20	5/2/2019 4:53:38 PM	44680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg-dr	1	5/2/2019 11:55:38 AM	44641
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/2/2019 11:55:38 AM	44641
Surr: DNOP	99.1	70-130		%Rec	1	5/2/2019 11:55:38 AM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg-dr	1	5/2/2019 2:27:46 PM	44661
Surr: BFB	90.3	73.8-119		%Rec	1	5/2/2019 2:27:46 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/2/2019 2:27:46 PM	44661
Toluene	ND	0.060		mg/Kg-dr	1	5/2/2019 2:27:46 PM	44661
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/2/2019 2:27:46 PM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 2:27:46 PM	44661
Surr: 4-Bromofluorobenzene	90.9	80-120		%Rec	1	5/2/2019 2:27:46 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-027 **Matrix:** SOIL

Client Sample ID: SB-053-01
Collection Date: 4/29/2019 2:35:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	71		mg/Kg-dr	20	5/2/2019 6:17:40 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg-dr	1	5/2/2019 12:19:32 PM	44641
Motor Oil Range Organics (MRO)	ND	46		mg/Kg-dr	1	5/2/2019 12:19:32 PM	44641
Surr: DNOP	98.7	70-130		%Rec	1	5/2/2019 12:19:32 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/2/2019 2:50:29 PM	44661
Surr: BFB	93.1	73.8-119		%Rec	1	5/2/2019 2:50:29 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/2/2019 2:50:29 PM	44661
Toluene	ND	0.058		mg/Kg-dr	1	5/2/2019 2:50:29 PM	44661
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/2/2019 2:50:29 PM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 2:50:29 PM	44661
Surr: 4-Bromofluorobenzene	92.8	80-120		%Rec	1	5/2/2019 2:50:29 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-028 **Matrix:** SOIL

Client Sample ID: SB-051-01
Collection Date: 4/29/2019 2:48:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	15	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	70		mg/Kg-dr	20	5/2/2019 6:54:53 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/2/2019 1:07:26 PM	44641
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/2/2019 1:07:26 PM	44641
Surr: DNOP	98.4	70-130		%Rec	1	5/2/2019 1:07:26 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/2/2019 4:43:49 PM	44661
Surr: BFB	90.8	73.8-119		%Rec	1	5/2/2019 4:43:49 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/2/2019 4:43:49 PM	44661
Toluene	ND	0.056		mg/Kg-dr	1	5/2/2019 4:43:49 PM	44661
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/2/2019 4:43:49 PM	44661
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/2/2019 4:43:49 PM	44661
Surr: 4-Bromofluorobenzene	91.2	80-120		%Rec	1	5/2/2019 4:43:49 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-029 **Matrix:** SOIL

Client Sample ID: SB-049-01
Collection Date: 4/29/2019 2:58:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	71		mg/Kg-dr	20	5/2/2019 7:07:18 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg-dr	1	5/2/2019 1:31:23 PM	44641
Motor Oil Range Organics (MRO)	ND	46		mg/Kg-dr	1	5/2/2019 1:31:23 PM	44641
Surr: DNOP	96.4	70-130		%Rec	1	5/2/2019 1:31:23 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/2/2019 5:06:27 PM	44661
Surr: BFB	92.4	73.8-119		%Rec	1	5/2/2019 5:06:27 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/2/2019 5:06:27 PM	44661
Toluene	ND	0.058		mg/Kg-dr	1	5/2/2019 5:06:27 PM	44661
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/2/2019 5:06:27 PM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 5:06:27 PM	44661
Surr: 4-Bromofluorobenzene	92.3	80-120		%Rec	1	5/2/2019 5:06:27 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-030 **Matrix:** SOIL

Client Sample ID: SB-047-01
Collection Date: 4/29/2019 2:59:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	73		mg/Kg-dr	20	5/2/2019 7:19:42 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg-dr	1	5/2/2019 1:55:23 PM	44641
Motor Oil Range Organics (MRO)	ND	48		mg/Kg-dr	1	5/2/2019 1:55:23 PM	44641
Surr: DNOP	101	70-130		%Rec	1	5/2/2019 1:55:23 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/2/2019 5:29:04 PM	44661
Surr: BFB	92.7	73.8-119		%Rec	1	5/2/2019 5:29:04 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/2/2019 5:29:04 PM	44661
Toluene	ND	0.058		mg/Kg-dr	1	5/2/2019 5:29:04 PM	44661
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/2/2019 5:29:04 PM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 5:29:04 PM	44661
Surr: 4-Bromofluorobenzene	92.0	80-120		%Rec	1	5/2/2019 5:29:04 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-031 **Matrix:** SOIL

Client Sample ID: SB-045-01
Collection Date: 4/29/2019 3:12:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	18	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	73		mg/Kg-dr	20	5/2/2019 7:32:06 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg-dr	1	5/2/2019 2:19:41 PM	44641
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/2/2019 2:19:41 PM	44641
Surr: DNOP	101	70-130		%Rec	1	5/2/2019 2:19:41 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg-dr	1	5/2/2019 5:51:59 PM	44661
Surr: BFB	90.3	73.8-119		%Rec	1	5/2/2019 5:51:59 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/2/2019 5:51:59 PM	44661
Toluene	ND	0.060		mg/Kg-dr	1	5/2/2019 5:51:59 PM	44661
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/2/2019 5:51:59 PM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 5:51:59 PM	44661
Surr: 4-Bromofluorobenzene	88.0	80-120		%Rec	1	5/2/2019 5:51:59 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-032 **Matrix:** SOIL

Client Sample ID: SB-043-01
Collection Date: 4/29/2019 3:15:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	20	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	74		mg/Kg-dr	20	5/2/2019 7:44:30 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg-dr	1	5/2/2019 2:43:56 PM	44641
Motor Oil Range Organics (MRO)	ND	48		mg/Kg-dr	1	5/2/2019 2:43:56 PM	44641
Surr: DNOP	101	70-130		%Rec	1	5/2/2019 2:43:56 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.1		mg/Kg-dr	1	5/2/2019 6:14:31 PM	44661
Surr: BFB	94.1	73.8-119		%Rec	1	5/2/2019 6:14:31 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/2/2019 6:14:31 PM	44661
Toluene	ND	0.061		mg/Kg-dr	1	5/2/2019 6:14:31 PM	44661
Ethylbenzene	ND	0.061		mg/Kg-dr	1	5/2/2019 6:14:31 PM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 6:14:31 PM	44661
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	5/2/2019 6:14:31 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-033 **Matrix:** SOIL

Client Sample ID: SB-041-01
Collection Date: 4/29/2019 3:17:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	15	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	71		mg/Kg-dr	20	5/2/2019 8:21:44 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg-dr	1	5/2/2019 3:08:06 PM	44641
Motor Oil Range Organics (MRO)	ND	48		mg/Kg-dr	1	5/2/2019 3:08:06 PM	44641
Surr: DNOP	98.7	70-130		%Rec	1	5/2/2019 3:08:06 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/2/2019 6:37:05 PM	44661
Surr: BFB	93.6	73.8-119		%Rec	1	5/2/2019 6:37:05 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/2/2019 6:37:05 PM	44661
Toluene	ND	0.058		mg/Kg-dr	1	5/2/2019 6:37:05 PM	44661
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/2/2019 6:37:05 PM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 6:37:05 PM	44661
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	5/2/2019 6:37:05 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-034 **Matrix:** SOIL

Client Sample ID: SB-039-01
Collection Date: 4/29/2019 3:24:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	22	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	77		mg/Kg-dr	20	5/2/2019 8:34:09 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg-dr	1	5/2/2019 3:32:20 PM	44641
Motor Oil Range Organics (MRO)	ND	48		mg/Kg-dr	1	5/2/2019 3:32:20 PM	44641
Surr: DNOP	100	70-130		%Rec	1	5/2/2019 3:32:20 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.2		mg/Kg-dr	1	5/2/2019 6:59:49 PM	44661
Surr: BFB	93.0	73.8-119		%Rec	1	5/2/2019 6:59:49 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.031		mg/Kg-dr	1	5/2/2019 6:59:49 PM	44661
Toluene	ND	0.062		mg/Kg-dr	1	5/2/2019 6:59:49 PM	44661
Ethylbenzene	ND	0.062		mg/Kg-dr	1	5/2/2019 6:59:49 PM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 6:59:49 PM	44661
Surr: 4-Bromofluorobenzene	93.2	80-120		%Rec	1	5/2/2019 6:59:49 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-035 **Matrix:** SOIL

Client Sample ID: SB-037-01
Collection Date: 4/29/2019 3:21:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	19	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	74		mg/Kg-dr	20	5/2/2019 8:46:33 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg-dr	1	5/2/2019 3:56:25 PM	44641
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/2/2019 3:56:25 PM	44641
Surr: DNOP	102	70-130		%Rec	1	5/2/2019 3:56:25 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.2		mg/Kg-dr	1	5/2/2019 7:22:35 PM	44661
Surr: BFB	91.4	73.8-119		%Rec	1	5/2/2019 7:22:35 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.031		mg/Kg-dr	1	5/2/2019 7:22:35 PM	44661
Toluene	ND	0.062		mg/Kg-dr	1	5/2/2019 7:22:35 PM	44661
Ethylbenzene	ND	0.062		mg/Kg-dr	1	5/2/2019 7:22:35 PM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 7:22:35 PM	44661
Surr: 4-Bromofluorobenzene	90.2	80-120		%Rec	1	5/2/2019 7:22:35 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-036 **Matrix:** SOIL

Client Sample ID: SB-035-01
Collection Date: 4/29/2019 3:30:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	20	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	76		mg/Kg-dr	20	5/2/2019 8:58:58 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg-dr	1	5/2/2019 4:20:33 PM	44641
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/2/2019 4:20:33 PM	44641
Surr: DNOP	102	70-130		%Rec	1	5/2/2019 4:20:33 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg-dr	1	5/2/2019 7:45:16 PM	44661
Surr: BFB	90.7	73.8-119		%Rec	1	5/2/2019 7:45:16 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/2/2019 7:45:16 PM	44661
Toluene	ND	0.060		mg/Kg-dr	1	5/2/2019 7:45:16 PM	44661
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/2/2019 7:45:16 PM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 7:45:16 PM	44661
Surr: 4-Bromofluorobenzene	90.9	80-120		%Rec	1	5/2/2019 7:45:16 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-037 **Matrix:** SOIL

Client Sample ID: SB-033-01
Collection Date: 4/29/2019 3:46:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	72		mg/Kg-dr	20	5/2/2019 9:11:22 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg-dr	1	5/2/2019 4:44:38 PM	44641
Motor Oil Range Organics (MRO)	ND	47		mg/Kg-dr	1	5/2/2019 4:44:38 PM	44641
Surr: DNOP	103	70-130		%Rec	1	5/2/2019 4:44:38 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	5/2/2019 8:08:00 PM	44661
Surr: BFB	90.7	73.8-119		%Rec	1	5/2/2019 8:08:00 PM	44661
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/2/2019 8:08:00 PM	44661
Toluene	ND	0.059		mg/Kg-dr	1	5/2/2019 8:08:00 PM	44661
Ethylbenzene	ND	0.059		mg/Kg-dr	1	5/2/2019 8:08:00 PM	44661
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/2/2019 8:08:00 PM	44661
Surr: 4-Bromofluorobenzene	89.9	80-120		%Rec	1	5/2/2019 8:08:00 PM	44661

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-038 **Matrix:** SOIL

Client Sample ID: SB-031-01
Collection Date: 4/29/2019 3:43:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	72		mg/Kg-dr	20	5/2/2019 9:23:47 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	8.7		mg/Kg-dr	1	5/2/2019 5:08:40 PM	44641
Motor Oil Range Organics (MRO)	ND	44		mg/Kg-dr	1	5/2/2019 5:08:40 PM	44641
Surr: DNOP	102	70-130		%Rec	1	5/2/2019 5:08:40 PM	44641
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/3/2019 1:30:38 PM	44663
Surr: BFB	90.9	73.8-119		%Rec	1	5/3/2019 1:30:38 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/3/2019 1:30:38 PM	44663
Toluene	ND	0.058		mg/Kg-dr	1	5/3/2019 1:30:38 PM	44663
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/3/2019 1:30:38 PM	44663
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/3/2019 1:30:38 PM	44663
Surr: 4-Bromofluorobenzene	91.3	80-120		%Rec	1	5/3/2019 1:30:38 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-039 **Matrix:** SOIL

Client Sample ID: SB-029-01
Collection Date: 4/29/2019 3:50:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	20	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	75		mg/Kg-dr	20	5/2/2019 9:36:12 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	13		mg/Kg-dr	1	5/2/2019 12:54:10 PM	44642
Motor Oil Range Organics (MRO)	ND	63		mg/Kg-dr	1	5/2/2019 12:54:10 PM	44642
Surr: DNOP	109	70-130		%Rec	1	5/2/2019 12:54:10 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg-dr	1	5/3/2019 2:40:47 PM	44663
Surr: BFB	89.6	73.8-119		%Rec	1	5/3/2019 2:40:47 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/3/2019 2:40:47 PM	44663
Toluene	ND	0.060		mg/Kg-dr	1	5/3/2019 2:40:47 PM	44663
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/3/2019 2:40:47 PM	44663
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/3/2019 2:40:47 PM	44663
Surr: 4-Bromofluorobenzene	90.4	80-120		%Rec	1	5/3/2019 2:40:47 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-040 **Matrix:** SOIL

Client Sample ID: SB-027-01
Collection Date: 4/29/2019 3:55:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	71		mg/Kg-dr	20	5/2/2019 9:48:37 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 2:00:12 PM	44642
Motor Oil Range Organics (MRO)	ND	56		mg/Kg-dr	1	5/2/2019 2:00:12 PM	44642
Surr: DNOP	108	70-130		%Rec	1	5/2/2019 2:00:12 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/3/2019 3:50:54 PM	44663
Surr: BFB	87.8	73.8-119		%Rec	1	5/3/2019 3:50:54 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/3/2019 3:50:54 PM	44663
Toluene	ND	0.058		mg/Kg-dr	1	5/3/2019 3:50:54 PM	44663
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/3/2019 3:50:54 PM	44663
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/3/2019 3:50:54 PM	44663
Surr: 4-Bromofluorobenzene	87.7	80-120		%Rec	1	5/3/2019 3:50:54 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-041 **Matrix:** SOIL

Client Sample ID: SB-025-01
Collection Date: 4/29/2019 3:56:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	18	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	73		mg/Kg-dr	20	5/2/2019 10:01:01 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 2:22:28 PM	44642
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	5/2/2019 2:22:28 PM	44642
Surr: DNOP	106	70-130		%Rec	1	5/2/2019 2:22:28 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg-dr	1	5/3/2019 4:14:18 PM	44663
Surr: BFB	90.3	73.8-119		%Rec	1	5/3/2019 4:14:18 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/3/2019 4:14:18 PM	44663
Toluene	ND	0.060		mg/Kg-dr	1	5/3/2019 4:14:18 PM	44663
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/3/2019 4:14:18 PM	44663
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/3/2019 4:14:18 PM	44663
Surr: 4-Bromofluorobenzene	91.2	80-120		%Rec	1	5/3/2019 4:14:18 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-042 **Matrix:** SOIL

Client Sample ID: SB-023-01
Collection Date: 4/29/2019 4:00:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	73		mg/Kg-dr	20	5/2/2019 10:13:25 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/2/2019 3:06:46 PM	44642
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dr	1	5/2/2019 3:06:46 PM	44642
Surr: DNOP	104	70-130		%Rec	1	5/2/2019 3:06:46 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/3/2019 6:11:13 PM	44663
Surr: BFB	87.7	73.8-119		%Rec	1	5/3/2019 6:11:13 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/3/2019 6:11:13 PM	44663
Toluene	ND	0.058		mg/Kg-dr	1	5/3/2019 6:11:13 PM	44663
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/3/2019 6:11:13 PM	44663
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/3/2019 6:11:13 PM	44663
Surr: 4-Bromofluorobenzene	87.7	80-120		%Rec	1	5/3/2019 6:11:13 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-043 **Matrix:** SOIL

Client Sample ID: SB-021-01
Collection Date: 4/29/2019 4:02:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	72		mg/Kg-dr	20	5/2/2019 10:50:39 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	14	12		mg/Kg-dr	1	5/2/2019 3:28:50 PM	44642
Motor Oil Range Organics (MRO)	ND	59		mg/Kg-dr	1	5/2/2019 3:28:50 PM	44642
Surr: DNOP	112	70-130		%Rec	1	5/2/2019 3:28:50 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	5/3/2019 6:34:29 PM	44663
Surr: BFB	90.7	73.8-119		%Rec	1	5/3/2019 6:34:29 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/3/2019 6:34:29 PM	44663
Toluene	ND	0.059		mg/Kg-dr	1	5/3/2019 6:34:29 PM	44663
Ethylbenzene	ND	0.059		mg/Kg-dr	1	5/3/2019 6:34:29 PM	44663
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/3/2019 6:34:29 PM	44663
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	5/3/2019 6:34:29 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-044 **Matrix:** SOIL

Client Sample ID: SB-019-01
Collection Date: 4/29/2019 4:04:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	19	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	75		mg/Kg-dr	20	5/2/2019 11:03:04 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 4:13:02 PM	44642
Motor Oil Range Organics (MRO)	ND	56		mg/Kg-dr	1	5/2/2019 4:13:02 PM	44642
Surr: DNOP	108	70-130		%Rec	1	5/2/2019 4:13:02 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.1		mg/Kg-dr	1	5/3/2019 6:57:45 PM	44663
Surr: BFB	89.6	73.8-119		%Rec	1	5/3/2019 6:57:45 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.031		mg/Kg-dr	1	5/3/2019 6:57:45 PM	44663
Toluene	ND	0.061		mg/Kg-dr	1	5/3/2019 6:57:45 PM	44663
Ethylbenzene	ND	0.061		mg/Kg-dr	1	5/3/2019 6:57:45 PM	44663
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/3/2019 6:57:45 PM	44663
Surr: 4-Bromofluorobenzene	90.4	80-120		%Rec	1	5/3/2019 6:57:45 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-045 **Matrix:** SOIL

Client Sample ID: SB-017-01
Collection Date: 4/29/2019 4:20:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	24	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	79		mg/Kg-dr	20	5/2/2019 11:15:26 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/2/2019 4:35:21 PM	44642
Motor Oil Range Organics (MRO)	ND	60		mg/Kg-dr	1	5/2/2019 4:35:21 PM	44642
Surr: DNOP	104	70-130		%Rec	1	5/2/2019 4:35:21 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.4		mg/Kg-dr	1	5/3/2019 7:21:00 PM	44663
Surr: BFB	89.2	73.8-119		%Rec	1	5/3/2019 7:21:00 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.032		mg/Kg-dr	1	5/3/2019 7:21:00 PM	44663
Toluene	ND	0.064		mg/Kg-dr	1	5/3/2019 7:21:00 PM	44663
Ethylbenzene	ND	0.064		mg/Kg-dr	1	5/3/2019 7:21:00 PM	44663
Xylenes, Total	ND	0.13		mg/Kg-dr	1	5/3/2019 7:21:00 PM	44663
Surr: 4-Bromofluorobenzene	88.9	80-120		%Rec	1	5/3/2019 7:21:00 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-046 **Matrix:** SOIL

Client Sample ID: SB-015-01
Collection Date: 4/29/2019 4:23:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	19	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	75		mg/Kg-dr	20	5/2/2019 11:27:53 PM	44699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 4:57:27 PM	44642
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/2/2019 4:57:27 PM	44642
Surr: DNOP	108	70-130		%Rec	1	5/2/2019 4:57:27 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.1		mg/Kg-dr	1	5/3/2019 7:44:16 PM	44663
Surr: BFB	95.6	73.8-119		%Rec	1	5/3/2019 7:44:16 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.031		mg/Kg-dr	1	5/3/2019 7:44:16 PM	44663
Toluene	ND	0.061		mg/Kg-dr	1	5/3/2019 7:44:16 PM	44663
Ethylbenzene	ND	0.061		mg/Kg-dr	1	5/3/2019 7:44:16 PM	44663
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/3/2019 7:44:16 PM	44663
Surr: 4-Bromofluorobenzene	96.1	80-120		%Rec	1	5/3/2019 7:44:16 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-047 **Matrix:** SOIL

Client Sample ID: SB-013-01
Collection Date: 4/29/2019 4:25:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	22	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	77		mg/Kg-dr	20	5/3/2019 9:55:56 AM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/2/2019 5:19:41 PM	44642
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dr	1	5/2/2019 5:19:41 PM	44642
Surr: DNOP	109	70-130		%Rec	1	5/2/2019 5:19:41 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.3		mg/Kg-dr	1	5/3/2019 8:07:30 PM	44663
Surr: BFB	97.4	73.8-119		%Rec	1	5/3/2019 8:07:30 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.031		mg/Kg-dr	1	5/3/2019 8:07:30 PM	44663
Toluene	ND	0.063		mg/Kg-dr	1	5/3/2019 8:07:30 PM	44663
Ethylbenzene	ND	0.063		mg/Kg-dr	1	5/3/2019 8:07:30 PM	44663
Xylenes, Total	ND	0.13		mg/Kg-dr	1	5/3/2019 8:07:30 PM	44663
Surr: 4-Bromofluorobenzene	94.6	80-120		%Rec	1	5/3/2019 8:07:30 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-048 **Matrix:** SOIL

Client Sample ID: SB-001-01
Collection Date: 4/29/2019 4:50:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.3	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	65		mg/Kg-dr	20	5/3/2019 10:08:21 AM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg-dr	1	5/2/2019 5:42:03 PM	44642
Motor Oil Range Organics (MRO)	ND	48		mg/Kg-dr	1	5/2/2019 5:42:03 PM	44642
Surr: DNOP	111	70-130		%Rec	1	5/2/2019 5:42:03 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/3/2019 8:30:47 PM	44663
Surr: BFB	88.8	73.8-119		%Rec	1	5/3/2019 8:30:47 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/3/2019 8:30:47 PM	44663
Toluene	ND	0.054		mg/Kg-dr	1	5/3/2019 8:30:47 PM	44663
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/3/2019 8:30:47 PM	44663
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/3/2019 8:30:47 PM	44663
Surr: 4-Bromofluorobenzene	88.6	80-120		%Rec	1	5/3/2019 8:30:47 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-049 **Matrix:** SOIL

Client Sample ID: SB-002-01
Collection Date: 4/29/2019 4:55:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	71		mg/Kg-dr	20	5/3/2019 10:45:35 AM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 6:04:26 PM	44642
Motor Oil Range Organics (MRO)	ND	56		mg/Kg-dr	1	5/2/2019 6:04:26 PM	44642
Surr: DNOP	110	70-130		%Rec	1	5/2/2019 6:04:26 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg-dr	1	5/3/2019 8:54:00 PM	44663
Surr: BFB	88.7	73.8-119		%Rec	1	5/3/2019 8:54:00 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/3/2019 8:54:00 PM	44663
Toluene	ND	0.057		mg/Kg-dr	1	5/3/2019 8:54:00 PM	44663
Ethylbenzene	ND	0.057		mg/Kg-dr	1	5/3/2019 8:54:00 PM	44663
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/3/2019 8:54:00 PM	44663
Surr: 4-Bromofluorobenzene	88.9	80-120		%Rec	1	5/3/2019 8:54:00 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-050 **Matrix:** SOIL

Client Sample ID: SB-104-01
Collection Date: 4/29/2019 5:45:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	68		mg/Kg-dr	20	5/3/2019 10:57:59 AM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/2/2019 6:26:47 PM	44642
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dr	1	5/2/2019 6:26:47 PM	44642
Surr: DNOP	114	70-130		%Rec	1	5/2/2019 6:26:47 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/3/2019 9:17:20 PM	44663
Surr: BFB	87.8	73.8-119		%Rec	1	5/3/2019 9:17:20 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/3/2019 9:17:20 PM	44663
Toluene	ND	0.056		mg/Kg-dr	1	5/3/2019 9:17:20 PM	44663
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/3/2019 9:17:20 PM	44663
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/3/2019 9:17:20 PM	44663
Surr: 4-Bromofluorobenzene	86.9	80-120		%Rec	1	5/3/2019 9:17:20 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-051 **Matrix:** SOIL

Client Sample ID: SB-Pit-01
Collection Date: 4/29/2019 1:00:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	11	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	67		mg/Kg-dr	20	5/3/2019 12:00:03 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 6:49:10 PM	44642
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/2/2019 6:49:10 PM	44642
Surr: DNOP	110	70-130		%Rec	1	5/2/2019 6:49:10 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/3/2019 9:40:48 PM	44663
Surr: BFB	88.1	73.8-119		%Rec	1	5/3/2019 9:40:48 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/3/2019 9:40:48 PM	44663
Toluene	ND	0.055		mg/Kg-dr	1	5/3/2019 9:40:48 PM	44663
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/3/2019 9:40:48 PM	44663
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/3/2019 9:40:48 PM	44663
Surr: 4-Bromofluorobenzene	87.6	80-120		%Rec	1	5/3/2019 9:40:48 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-052 **Matrix:** SOIL

Client Sample ID: SB-Pit-07
Collection Date: 4/29/2019 2:00:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	10	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	67		mg/Kg-dr	20	5/3/2019 12:12:28 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/2/2019 7:11:26 PM	44642
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	5/2/2019 7:11:26 PM	44642
Surr: DNOP	111	70-130		%Rec	1	5/2/2019 7:11:26 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/3/2019 11:38:10 PM	44663
Surr: BFB	95.5	73.8-119		%Rec	1	5/3/2019 11:38:10 PM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/3/2019 11:38:10 PM	44663
Toluene	ND	0.055		mg/Kg-dr	1	5/3/2019 11:38:10 PM	44663
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/3/2019 11:38:10 PM	44663
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/3/2019 11:38:10 PM	44663
Surr: 4-Bromofluorobenzene	90.8	80-120		%Rec	1	5/3/2019 11:38:10 PM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-053 **Matrix:** SOIL

Client Sample ID: SB-A
Collection Date: 4/29/2019 3:26:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	22	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	77		mg/Kg-dr	20	5/3/2019 12:24:52 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	13		mg/Kg-dr	1	5/2/2019 7:33:54 PM	44642
Motor Oil Range Organics (MRO)	ND	63		mg/Kg-dr	1	5/2/2019 7:33:54 PM	44642
Surr: DNOP	110	70-130		%Rec	1	5/2/2019 7:33:54 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.4		mg/Kg-dr	1	5/4/2019 12:01:40 AM	44663
Surr: BFB	86.1	73.8-119		%Rec	1	5/4/2019 12:01:40 AM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.032		mg/Kg-dr	1	5/4/2019 12:01:40 AM	44663
Toluene	ND	0.064		mg/Kg-dr	1	5/4/2019 12:01:40 AM	44663
Ethylbenzene	ND	0.064		mg/Kg-dr	1	5/4/2019 12:01:40 AM	44663
Xylenes, Total	ND	0.13		mg/Kg-dr	1	5/4/2019 12:01:40 AM	44663
Surr: 4-Bromofluorobenzene	85.3	80-120		%Rec	1	5/4/2019 12:01:40 AM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Client Sample ID: SB-B
Project: NEU 31511
Collection Date: 4/29/2019 4:04:00 PM
Lab ID: 1905003-054 **Matrix:** SOIL
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	22	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	76		mg/Kg-dr	20	5/3/2019 12:37:17 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 7:56:09 PM	44642
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	5/2/2019 7:56:09 PM	44642
Surr: DNOP	114	70-130		%Rec	1	5/2/2019 7:56:09 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.2		mg/Kg-dr	1	5/4/2019 12:25:05 AM	44663
Surr: BFB	91.5	73.8-119		%Rec	1	5/4/2019 12:25:05 AM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.031		mg/Kg-dr	1	5/4/2019 12:25:05 AM	44663
Toluene	ND	0.062		mg/Kg-dr	1	5/4/2019 12:25:05 AM	44663
Ethylbenzene	ND	0.062		mg/Kg-dr	1	5/4/2019 12:25:05 AM	44663
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/4/2019 12:25:05 AM	44663
Surr: 4-Bromofluorobenzene	91.2	80-120		%Rec	1	5/4/2019 12:25:05 AM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-055 **Matrix:** SOIL

Client Sample ID: SA-001
Collection Date: 4/29/2019 3:05:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	7.5	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	65		mg/Kg-dr	20	5/3/2019 12:49:42 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/2/2019 8:18:37 PM	44642
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/2/2019 8:18:37 PM	44642
Surr: DNOP	111	70-130		%Rec	1	5/2/2019 8:18:37 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/4/2019 12:48:24 AM	44663
Surr: BFB	90.0	73.8-119		%Rec	1	5/4/2019 12:48:24 AM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/4/2019 12:48:24 AM	44663
Toluene	ND	0.054		mg/Kg-dr	1	5/4/2019 12:48:24 AM	44663
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/4/2019 12:48:24 AM	44663
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 12:48:24 AM	44663
Surr: 4-Bromofluorobenzene	89.5	80-120		%Rec	1	5/4/2019 12:48:24 AM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-056 **Matrix:** SOIL

Client Sample ID: SA-002
Collection Date: 4/29/2019 3:03:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.1	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	66		mg/Kg-dr	20	5/3/2019 1:02:06 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/2/2019 8:40:52 PM	44642
Motor Oil Range Organics (MRO)	ND	51		mg/Kg-dr	1	5/2/2019 8:40:52 PM	44642
Surr: DNOP	114	70-130		%Rec	1	5/2/2019 8:40:52 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/4/2019 1:11:37 AM	44663
Surr: BFB	89.4	73.8-119		%Rec	1	5/4/2019 1:11:37 AM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/4/2019 1:11:37 AM	44663
Toluene	ND	0.053		mg/Kg-dr	1	5/4/2019 1:11:37 AM	44663
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/4/2019 1:11:37 AM	44663
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 1:11:37 AM	44663
Surr: 4-Bromofluorobenzene	90.1	80-120		%Rec	1	5/4/2019 1:11:37 AM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-057 **Matrix:** SOIL

Client Sample ID: SA-006
Collection Date: 4/29/2019 4:52:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	72		mg/Kg-dr	20	5/3/2019 1:14:30 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	67	12		mg/Kg-dr	1	5/2/2019 9:03:15 PM	44642
Motor Oil Range Organics (MRO)	ND	61		mg/Kg-dr	1	5/2/2019 9:03:15 PM	44642
Surr: DNOP	120	70-130		%Rec	1	5/2/2019 9:03:15 PM	44642
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	5/4/2019 1:35:12 AM	44663
Surr: BFB	94.4	73.8-119		%Rec	1	5/4/2019 1:35:12 AM	44663
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/4/2019 1:35:12 AM	44663
Toluene	ND	0.059		mg/Kg-dr	1	5/4/2019 1:35:12 AM	44663
Ethylbenzene	ND	0.059		mg/Kg-dr	1	5/4/2019 1:35:12 AM	44663
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/4/2019 1:35:12 AM	44663
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	5/4/2019 1:35:12 AM	44663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-058 **Matrix:** SOIL

Client Sample ID: SA-007
Collection Date: 4/29/2019 4:56:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	21	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	75		mg/Kg-dr	20	5/3/2019 1:26:54 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	120	12		mg/Kg-dr	1	5/3/2019 10:40:22 AM	44643
Motor Oil Range Organics (MRO)	ND	62		mg/Kg-dr	1	5/3/2019 10:40:22 AM	44643
Surr: DNOP	103	70-130		%Rec	1	5/3/2019 10:40:22 AM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.3		mg/Kg-dr	1	5/4/2019 3:09:05 AM	44674
Surr: BFB	113	73.8-119		%Rec	1	5/4/2019 3:09:05 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.031		mg/Kg-dr	1	5/4/2019 3:09:05 AM	44674
Toluene	ND	0.063		mg/Kg-dr	1	5/4/2019 3:09:05 AM	44674
Ethylbenzene	ND	0.063		mg/Kg-dr	1	5/4/2019 3:09:05 AM	44674
Xylenes, Total	ND	0.13		mg/Kg-dr	1	5/4/2019 3:09:05 AM	44674
Surr: 4-Bromofluorobenzene	93.5	80-120		%Rec	1	5/4/2019 3:09:05 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-059 **Matrix:** SOIL

Client Sample ID: SA-008
Collection Date: 4/29/2019 3:07:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	20	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	75		mg/Kg-dr	20	5/3/2019 1:39:19 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/3/2019 11:46:30 AM	44643
Motor Oil Range Organics (MRO)	ND	61		mg/Kg-dr	1	5/3/2019 11:46:30 AM	44643
Surr: DNOP	101	70-130		%Rec	1	5/3/2019 11:46:30 AM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/4/2019 4:19:22 AM	44674
Surr: BFB	89.9	73.8-119		%Rec	1	5/4/2019 4:19:22 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/4/2019 4:19:22 AM	44674
Toluene	ND	0.058		mg/Kg-dr	1	5/4/2019 4:19:22 AM	44674
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/4/2019 4:19:22 AM	44674
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/4/2019 4:19:22 AM	44674
Surr: 4-Bromofluorobenzene	90.2	80-120		%Rec	1	5/4/2019 4:19:22 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-060 **Matrix:** SOIL

Client Sample ID: SA-009
Collection Date: 4/29/2019 5:00:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	21	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	76		mg/Kg-dr	20	5/3/2019 1:51:43 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/3/2019 12:08:36 PM	44643
Motor Oil Range Organics (MRO)	ND	59		mg/Kg-dr	1	5/3/2019 12:08:36 PM	44643
Surr: DNOP	101	70-130		%Rec	1	5/3/2019 12:08:36 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg-dr	1	5/4/2019 7:03:34 AM	44674
Surr: BFB	93.2	73.8-119		%Rec	1	5/4/2019 7:03:34 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/4/2019 7:03:34 AM	44674
Toluene	ND	0.060		mg/Kg-dr	1	5/4/2019 7:03:34 AM	44674
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/4/2019 7:03:34 AM	44674
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/4/2019 7:03:34 AM	44674
Surr: 4-Bromofluorobenzene	92.4	80-120		%Rec	1	5/4/2019 7:03:34 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-061 **Matrix:** SOIL

Client Sample ID: SA-010
Collection Date: 4/29/2019 4:50:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	18	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	73		mg/Kg-dr	20	5/3/2019 2:28:56 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/3/2019 12:30:39 PM	44643
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dr	1	5/3/2019 12:30:39 PM	44643
Surr: DNOP	97.5	70-130		%Rec	1	5/3/2019 12:30:39 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.1		mg/Kg-dr	1	5/4/2019 7:27:06 AM	44674
Surr: BFB	91.1	73.8-119		%Rec	1	5/4/2019 7:27:06 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/4/2019 7:27:06 AM	44674
Toluene	ND	0.061		mg/Kg-dr	1	5/4/2019 7:27:06 AM	44674
Ethylbenzene	ND	0.061		mg/Kg-dr	1	5/4/2019 7:27:06 AM	44674
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/4/2019 7:27:06 AM	44674
Surr: 4-Bromofluorobenzene	90.4	80-120		%Rec	1	5/4/2019 7:27:06 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-062 **Matrix:** SOIL

Client Sample ID: SA-011
Collection Date: 4/29/2019 3:10:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	14	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	70		mg/Kg-dr	20	5/3/2019 2:41:20 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 1:07:48 PM	44643
Motor Oil Range Organics (MRO)	ND	56		mg/Kg-dr	1	5/3/2019 1:07:48 PM	44643
Surr: DNOP	99.8	70-130		%Rec	1	5/3/2019 1:07:48 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg-dr	1	5/4/2019 7:50:37 AM	44674
Surr: BFB	90.9	73.8-119		%Rec	1	5/4/2019 7:50:37 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/4/2019 7:50:37 AM	44674
Toluene	ND	0.057		mg/Kg-dr	1	5/4/2019 7:50:37 AM	44674
Ethylbenzene	ND	0.057		mg/Kg-dr	1	5/4/2019 7:50:37 AM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 7:50:37 AM	44674
Surr: 4-Bromofluorobenzene	90.2	80-120		%Rec	1	5/4/2019 7:50:37 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-063 **Matrix:** SOIL

Client Sample ID: SA-012
Collection Date: 4/29/2019 3:06:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	15	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	71		mg/Kg-dr	20	5/3/2019 2:53:45 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/3/2019 1:29:40 PM	44643
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dr	1	5/3/2019 1:29:40 PM	44643
Surr: DNOP	95.7	70-130		%Rec	1	5/3/2019 1:29:40 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/4/2019 8:14:03 AM	44674
Surr: BFB	88.3	73.8-119		%Rec	1	5/4/2019 8:14:03 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/4/2019 8:14:03 AM	44674
Toluene	ND	0.056		mg/Kg-dr	1	5/4/2019 8:14:03 AM	44674
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/4/2019 8:14:03 AM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 8:14:03 AM	44674
Surr: 4-Bromofluorobenzene	88.7	80-120		%Rec	1	5/4/2019 8:14:03 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-064 **Matrix:** SOIL

Client Sample ID: SA-013
Collection Date: 4/29/2019 4:47:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	70		mg/Kg-dr	20	5/3/2019 3:06:09 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 1:51:51 PM	44643
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/3/2019 1:51:51 PM	44643
Surr: DNOP	99.7	70-130		%Rec	1	5/3/2019 1:51:51 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/4/2019 8:37:23 AM	44674
Surr: BFB	89.8	73.8-119		%Rec	1	5/4/2019 8:37:23 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/4/2019 8:37:23 AM	44674
Toluene	ND	0.056		mg/Kg-dr	1	5/4/2019 8:37:23 AM	44674
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/4/2019 8:37:23 AM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 8:37:23 AM	44674
Surr: 4-Bromofluorobenzene	88.5	80-120		%Rec	1	5/4/2019 8:37:23 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-065 **Matrix:** SOIL

Client Sample ID: SA-014
Collection Date: 4/29/2019 4:40:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	18	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	73		mg/Kg-dr	20	5/3/2019 3:18:34 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 2:13:44 PM	44643
Motor Oil Range Organics (MRO)	ND	56		mg/Kg-dr	1	5/3/2019 2:13:44 PM	44643
Surr: DNOP	103	70-130		%Rec	1	5/3/2019 2:13:44 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg-dr	1	5/4/2019 9:00:43 AM	44674
Surr: BFB	95.5	73.8-119		%Rec	1	5/4/2019 9:00:43 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/4/2019 9:00:43 AM	44674
Toluene	ND	0.060		mg/Kg-dr	1	5/4/2019 9:00:43 AM	44674
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/4/2019 9:00:43 AM	44674
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/4/2019 9:00:43 AM	44674
Surr: 4-Bromofluorobenzene	92.7	80-120		%Rec	1	5/4/2019 9:00:43 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-066 **Matrix:** SOIL

Client Sample ID: SA-015
Collection Date: 4/29/2019 4:53:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	70		mg/Kg-dr	20	5/3/2019 3:30:59 PM	44703
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 2:35:53 PM	44643
Motor Oil Range Organics (MRO)	ND	54		mg/Kg-dr	1	5/3/2019 2:35:53 PM	44643
Surr: DNOP	99.7	70-130		%Rec	1	5/3/2019 2:35:53 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/4/2019 9:24:01 AM	44674
Surr: BFB	93.0	73.8-119		%Rec	1	5/4/2019 9:24:01 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/4/2019 9:24:01 AM	44674
Toluene	ND	0.058		mg/Kg-dr	1	5/4/2019 9:24:01 AM	44674
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/4/2019 9:24:01 AM	44674
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/4/2019 9:24:01 AM	44674
Surr: 4-Bromofluorobenzene	92.6	80-120		%Rec	1	5/4/2019 9:24:01 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 3151I
Lab ID: 1905003-067 **Matrix:** SOIL

Client Sample ID: SA-016
Collection Date: 4/29/2019 4:36:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	72		mg/Kg-dr	20	5/6/2019 2:39:25 PM	44735
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 2:58:04 PM	44643
Motor Oil Range Organics (MRO)	ND	56		mg/Kg-dr	1	5/3/2019 2:58:04 PM	44643
Surr: DNOP	99.7	70-130		%Rec	1	5/3/2019 2:58:04 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/4/2019 9:47:22 AM	44674
Surr: BFB	92.1	73.8-119		%Rec	1	5/4/2019 9:47:22 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/4/2019 9:47:22 AM	44674
Toluene	ND	0.055		mg/Kg-dr	1	5/4/2019 9:47:22 AM	44674
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/4/2019 9:47:22 AM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 9:47:22 AM	44674
Surr: 4-Bromofluorobenzene	92.8	80-120		%Rec	1	5/4/2019 9:47:22 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order 1905003
Date Reported: 5/14/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-068 **Matrix:** SOIL

Client Sample ID: SA-017
Collection Date: 4/29/2019 4:34:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	73		mg/Kg-dr	20	5/6/2019 2:51:49 PM	44735
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/3/2019 3:43:53 PM	44643
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dr	1	5/3/2019 3:43:53 PM	44643
Surr: DNOP	101	70-130		%Rec	1	5/3/2019 3:43:53 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg-dr	1	5/4/2019 10:10:46 AM	44674
Surr: BFB	91.6	73.8-119		%Rec	1	5/4/2019 10:10:46 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/4/2019 10:10:46 AM	44674
Toluene	ND	0.057		mg/Kg-dr	1	5/4/2019 10:10:46 AM	44674
Ethylbenzene	ND	0.057		mg/Kg-dr	1	5/4/2019 10:10:46 AM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 10:10:46 AM	44674
Surr: 4-Bromofluorobenzene	91.6	80-120		%Rec	1	5/4/2019 10:10:46 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-069 **Matrix:** SOIL

Client Sample ID: SA-018
Collection Date: 4/29/2019 4:43:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	10	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	67		mg/Kg-dr	20	5/6/2019 3:29:01 PM	44735
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 4:05:58 PM	44643
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/3/2019 4:05:58 PM	44643
Surr: DNOP	94.6	70-130		%Rec	1	5/3/2019 4:05:58 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/4/2019 10:34:10 AM	44674
Surr: BFB	91.8	73.8-119		%Rec	1	5/4/2019 10:34:10 AM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/4/2019 10:34:10 AM	44674
Toluene	ND	0.054		mg/Kg-dr	1	5/4/2019 10:34:10 AM	44674
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/4/2019 10:34:10 AM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 10:34:10 AM	44674
Surr: 4-Bromofluorobenzene	90.6	80-120		%Rec	1	5/4/2019 10:34:10 AM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order 1905003
Date Reported: 5/14/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-070 **Matrix:** SOIL

Client Sample ID: SA-019
Collection Date: 4/29/2019 4:08:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	18	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	73		mg/Kg-dr	20	5/6/2019 3:41:26 PM	44735
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/3/2019 4:27:58 PM	44643
Motor Oil Range Organics (MRO)	ND	59		mg/Kg-dr	1	5/3/2019 4:27:58 PM	44643
Surr: DNOP	96.2	70-130		%Rec	1	5/3/2019 4:27:58 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/4/2019 12:32:19 PM	44674
Surr: BFB	88.8	73.8-119		%Rec	1	5/4/2019 12:32:19 PM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/4/2019 12:32:19 PM	44674
Toluene	ND	0.056		mg/Kg-dr	1	5/4/2019 12:32:19 PM	44674
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/4/2019 12:32:19 PM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 12:32:19 PM	44674
Surr: 4-Bromofluorobenzene	88.0	80-120		%Rec	1	5/4/2019 12:32:19 PM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-071 **Matrix:** SOIL

Client Sample ID: SA-020
Collection Date: 4/29/2019 4:07:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	13	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	69		mg/Kg-dr	20	5/6/2019 3:53:51 PM	44735
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 4:50:00 PM	44643
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	5/3/2019 4:50:00 PM	44643
Surr: DNOP	98.1	70-130		%Rec	1	5/3/2019 4:50:00 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/4/2019 12:55:59 PM	44674
Surr: BFB	90.8	73.8-119		%Rec	1	5/4/2019 12:55:59 PM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/4/2019 12:55:59 PM	44674
Toluene	ND	0.053		mg/Kg-dr	1	5/4/2019 12:55:59 PM	44674
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/4/2019 12:55:59 PM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 12:55:59 PM	44674
Surr: 4-Bromofluorobenzene	90.0	80-120		%Rec	1	5/4/2019 12:55:59 PM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-072 **Matrix:** SOIL

Client Sample ID: SA-021
Collection Date: 4/29/2019 4:20:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	14	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	71		mg/Kg-dr	20	5/6/2019 4:06:16 PM	44735
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 5:12:11 PM	44643
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/3/2019 5:12:11 PM	44643
Surr: DNOP	98.2	70-130		%Rec	1	5/3/2019 5:12:11 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/4/2019 1:19:36 PM	44674
Surr: BFB	89.9	73.8-119		%Rec	1	5/4/2019 1:19:36 PM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/4/2019 1:19:36 PM	44674
Toluene	ND	0.058		mg/Kg-dr	1	5/4/2019 1:19:36 PM	44674
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/4/2019 1:19:36 PM	44674
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/4/2019 1:19:36 PM	44674
Surr: 4-Bromofluorobenzene	88.3	80-120		%Rec	1	5/4/2019 1:19:36 PM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-073 **Matrix:** SOIL

Client Sample ID: SA-022
Collection Date: 4/29/2019 3:59:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	72		mg/Kg-dr	20	5/7/2019 5:43:41 PM	44760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 5:34:33 PM	44643
Motor Oil Range Organics (MRO)	ND	56		mg/Kg-dr	1	5/3/2019 5:34:33 PM	44643
Surr: DNOP	97.1	70-130		%Rec	1	5/3/2019 5:34:33 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/4/2019 1:42:58 PM	44674
Surr: BFB	90.0	73.8-119		%Rec	1	5/4/2019 1:42:58 PM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/4/2019 1:42:58 PM	44674
Toluene	ND	0.055		mg/Kg-dr	1	5/4/2019 1:42:58 PM	44674
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/4/2019 1:42:58 PM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 1:42:58 PM	44674
Surr: 4-Bromofluorobenzene	89.0	80-120		%Rec	1	5/4/2019 1:42:58 PM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-074 **Matrix:** SOIL

Client Sample ID: SA-023
Collection Date: 4/29/2019 3:56:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	13	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	70		mg/Kg-dr	20	5/7/2019 5:56:06 PM	44760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 5:57:01 PM	44643
Motor Oil Range Organics (MRO)	ND	54		mg/Kg-dr	1	5/3/2019 5:57:01 PM	44643
Surr: DNOP	97.6	70-130		%Rec	1	5/3/2019 5:57:01 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg-dr	1	5/4/2019 2:06:21 PM	44674
Surr: BFB	93.4	73.8-119		%Rec	1	5/4/2019 2:06:21 PM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/4/2019 2:06:21 PM	44674
Toluene	ND	0.057		mg/Kg-dr	1	5/4/2019 2:06:21 PM	44674
Ethylbenzene	ND	0.057		mg/Kg-dr	1	5/4/2019 2:06:21 PM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 2:06:21 PM	44674
Surr: 4-Bromofluorobenzene	92.4	80-120		%Rec	1	5/4/2019 2:06:21 PM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-075 **Matrix:** SOIL

Client Sample ID: SA-024
Collection Date: 4/29/2019 3:55:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	68		mg/Kg-dr	20	5/7/2019 6:08:31 PM	44760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 6:19:22 PM	44643
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	5/3/2019 6:19:22 PM	44643
Surr: DNOP	100	70-130		%Rec	1	5/3/2019 6:19:22 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/4/2019 2:29:42 PM	44674
Surr: BFB	90.1	73.8-119		%Rec	1	5/4/2019 2:29:42 PM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/4/2019 2:29:42 PM	44674
Toluene	ND	0.055		mg/Kg-dr	1	5/4/2019 2:29:42 PM	44674
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/4/2019 2:29:42 PM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 2:29:42 PM	44674
Surr: 4-Bromofluorobenzene	89.3	80-120		%Rec	1	5/4/2019 2:29:42 PM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-076 **Matrix:** SOIL

Client Sample ID: SA-025
Collection Date: 4/29/2019 3:50:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	6.2	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	64		mg/Kg-dr	20	5/7/2019 6:20:55 PM	44760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/3/2019 6:41:37 PM	44643
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	5/3/2019 6:41:37 PM	44643
Surr: DNOP	93.3	70-130		%Rec	1	5/3/2019 6:41:37 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	5/4/2019 2:53:07 PM	44674
Surr: BFB	91.1	73.8-119		%Rec	1	5/4/2019 2:53:07 PM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/4/2019 2:53:07 PM	44674
Toluene	ND	0.052		mg/Kg-dr	1	5/4/2019 2:53:07 PM	44674
Ethylbenzene	ND	0.052		mg/Kg-dr	1	5/4/2019 2:53:07 PM	44674
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/4/2019 2:53:07 PM	44674
Surr: 4-Bromofluorobenzene	89.6	80-120		%Rec	1	5/4/2019 2:53:07 PM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-077 **Matrix:** SOIL

Client Sample ID: SA-026
Collection Date: 4/29/2019 3:48:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	13	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	69		mg/Kg-dr	20	5/7/2019 6:33:20 PM	44760
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/3/2019 7:04:02 PM	44643
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/3/2019 7:04:02 PM	44643
Surr: DNOP	97.2	70-130		%Rec	1	5/3/2019 7:04:02 PM	44643
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/4/2019 3:16:48 PM	44674
Surr: BFB	92.0	73.8-119		%Rec	1	5/4/2019 3:16:48 PM	44674
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/4/2019 3:16:48 PM	44674
Toluene	ND	0.054		mg/Kg-dr	1	5/4/2019 3:16:48 PM	44674
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/4/2019 3:16:48 PM	44674
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/4/2019 3:16:48 PM	44674
Surr: 4-Bromofluorobenzene	91.8	80-120		%Rec	1	5/4/2019 3:16:48 PM	44674

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-078 **Matrix:** SOIL

Client Sample ID: SA-027
Collection Date: 4/29/2019 3:41:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019 2:51:00 PM	R59610
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	69		mg/Kg-dr	20	5/7/2019 6:45:45 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/6/2019 8:04:51 PM	44675
Surr: BFB	108	70-130		%Rec	1	5/6/2019 8:04:51 PM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg-dr	1	5/3/2019 9:47:55 AM	44644
Motor Oil Range Organics (MRO)	ND	45		mg/Kg-dr	1	5/3/2019 9:47:55 AM	44644
Surr: DNOP	94.3	70-130		%Rec	1	5/3/2019 9:47:55 AM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/6/2019 8:04:51 PM	44675
Toluene	ND	0.056		mg/Kg-dr	1	5/6/2019 8:04:51 PM	44675
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/6/2019 8:04:51 PM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/6/2019 8:04:51 PM	44675
Surr: 1,2-Dichloroethane-d4	96.3	70-130		%Rec	1	5/6/2019 8:04:51 PM	44675
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	5/6/2019 8:04:51 PM	44675
Surr: Dibromofluoromethane	109	70-130		%Rec	1	5/6/2019 8:04:51 PM	44675
Surr: Toluene-d8	91.6	70-130		%Rec	1	5/6/2019 8:04:51 PM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-079 **Matrix:** SOIL

Client Sample ID: SA-028
Collection Date: 4/29/2019 3:39:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	13	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	70		mg/Kg-dr	20	5/7/2019 6:58:09 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/6/2019 9:30:46 PM	44675
Surr: BFB	105	70-130		%Rec	1	5/6/2019 9:30:46 PM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	8.8		mg/Kg-dr	1	5/3/2019 10:11:54 AM	44644
Motor Oil Range Organics (MRO)	ND	44		mg/Kg-dr	1	5/3/2019 10:11:54 AM	44644
Surr: DNOP	95.0	70-130		%Rec	1	5/3/2019 10:11:54 AM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/6/2019 9:30:46 PM	44675
Toluene	ND	0.058		mg/Kg-dr	1	5/6/2019 9:30:46 PM	44675
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/6/2019 9:30:46 PM	44675
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/6/2019 9:30:46 PM	44675
Surr: 1,2-Dichloroethane-d4	96.6	70-130		%Rec	1	5/6/2019 9:30:46 PM	44675
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	5/6/2019 9:30:46 PM	44675
Surr: Dibromofluoromethane	111	70-130		%Rec	1	5/6/2019 9:30:46 PM	44675
Surr: Toluene-d8	90.8	70-130		%Rec	1	5/6/2019 9:30:46 PM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-080 **Matrix:** SOIL

Client Sample ID: SA-029
Collection Date: 4/29/2019 3:37:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	9.9	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	67		mg/Kg-dr	20	5/7/2019 7:10:33 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/6/2019 10:56:37 PM	44675
Surr: BFB	107	70-130		%Rec	1	5/6/2019 10:56:37 PM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	8.8		mg/Kg-dr	1	5/3/2019 10:35:56 AM	44644
Motor Oil Range Organics (MRO)	ND	44		mg/Kg-dr	1	5/3/2019 10:35:56 AM	44644
Surr: DNOP	93.6	70-130		%Rec	1	5/3/2019 10:35:56 AM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/6/2019 10:56:37 PM	44675
Toluene	ND	0.054		mg/Kg-dr	1	5/6/2019 10:56:37 PM	44675
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/6/2019 10:56:37 PM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/6/2019 10:56:37 PM	44675
Surr: 1,2-Dichloroethane-d4	96.4	70-130		%Rec	1	5/6/2019 10:56:37 PM	44675
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	5/6/2019 10:56:37 PM	44675
Surr: Dibromofluoromethane	111	70-130		%Rec	1	5/6/2019 10:56:37 PM	44675
Surr: Toluene-d8	91.4	70-130		%Rec	1	5/6/2019 10:56:37 PM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-081 **Matrix:** SOIL

Client Sample ID: SA-030
Collection Date: 4/29/2019 3:37:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	14	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	69		mg/Kg-dr	20	5/7/2019 7:47:46 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/6/2019 11:25:19 PM	44675
Surr: BFB	108	70-130		%Rec	1	5/6/2019 11:25:19 PM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg-dr	1	5/3/2019 10:59:58 AM	44644
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/3/2019 10:59:58 AM	44644
Surr: DNOP	95.4	70-130		%Rec	1	5/3/2019 10:59:58 AM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/6/2019 11:25:19 PM	44675
Toluene	ND	0.056		mg/Kg-dr	1	5/6/2019 11:25:19 PM	44675
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/6/2019 11:25:19 PM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/6/2019 11:25:19 PM	44675
Surr: 1,2-Dichloroethane-d4	98.2	70-130		%Rec	1	5/6/2019 11:25:19 PM	44675
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	5/6/2019 11:25:19 PM	44675
Surr: Dibromofluoromethane	115	70-130		%Rec	1	5/6/2019 11:25:19 PM	44675
Surr: Toluene-d8	91.8	70-130		%Rec	1	5/6/2019 11:25:19 PM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-082 **Matrix:** SOIL

Client Sample ID: SA-031
Collection Date: 4/29/2019 3:30:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	6.9	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	65		mg/Kg-dr	20	5/7/2019 8:00:10 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	5/6/2019 11:54:05 PM	44675
Surr: BFB	110	70-130		%Rec	1	5/6/2019 11:54:05 PM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	8.7		mg/Kg-dr	1	5/3/2019 11:24:01 AM	44644
Motor Oil Range Organics (MRO)	ND	44		mg/Kg-dr	1	5/3/2019 11:24:01 AM	44644
Surr: DNOP	94.7	70-130		%Rec	1	5/3/2019 11:24:01 AM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/6/2019 11:54:05 PM	44675
Toluene	ND	0.052		mg/Kg-dr	1	5/6/2019 11:54:05 PM	44675
Ethylbenzene	ND	0.052		mg/Kg-dr	1	5/6/2019 11:54:05 PM	44675
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/6/2019 11:54:05 PM	44675
Surr: 1,2-Dichloroethane-d4	98.3	70-130		%Rec	1	5/6/2019 11:54:05 PM	44675
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	5/6/2019 11:54:05 PM	44675
Surr: Dibromofluoromethane	117	70-130		%Rec	1	5/6/2019 11:54:05 PM	44675
Surr: Toluene-d8	93.1	70-130		%Rec	1	5/6/2019 11:54:05 PM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-083 **Matrix:** SOIL

Client Sample ID: SA-032
Collection Date: 4/29/2019 3:33:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	9.1	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	66		mg/Kg-dr	20	5/7/2019 8:12:36 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/7/2019 12:22:48 AM	44675
Surr: BFB	106	70-130		%Rec	1	5/7/2019 12:22:48 AM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg-dr	1	5/3/2019 11:48:02 AM	44644
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/3/2019 11:48:02 AM	44644
Surr: DNOP	93.2	70-130		%Rec	1	5/3/2019 11:48:02 AM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/7/2019 12:22:48 AM	44675
Toluene	ND	0.053		mg/Kg-dr	1	5/7/2019 12:22:48 AM	44675
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/7/2019 12:22:48 AM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/7/2019 12:22:48 AM	44675
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	5/7/2019 12:22:48 AM	44675
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	5/7/2019 12:22:48 AM	44675
Surr: Dibromofluoromethane	117	70-130		%Rec	1	5/7/2019 12:22:48 AM	44675
Surr: Toluene-d8	89.4	70-130		%Rec	1	5/7/2019 12:22:48 AM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-084 **Matrix:** SOIL

Client Sample ID: SA-033
Collection Date: 4/29/2019 3:27:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.6	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	66		mg/Kg-dr	20	5/7/2019 8:25:01 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/7/2019 12:51:32 AM	44675
Surr: BFB	109	70-130		%Rec	1	5/7/2019 12:51:32 AM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg-dr	1	5/3/2019 12:12:09 PM	44644
Motor Oil Range Organics (MRO)	ND	47		mg/Kg-dr	1	5/3/2019 12:12:09 PM	44644
Surr: DNOP	92.0	70-130		%Rec	1	5/3/2019 12:12:09 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/7/2019 12:51:32 AM	44675
Toluene	ND	0.055		mg/Kg-dr	1	5/7/2019 12:51:32 AM	44675
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/7/2019 12:51:32 AM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/7/2019 12:51:32 AM	44675
Surr: 1,2-Dichloroethane-d4	96.9	70-130		%Rec	1	5/7/2019 12:51:32 AM	44675
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	5/7/2019 12:51:32 AM	44675
Surr: Dibromofluoromethane	115	70-130		%Rec	1	5/7/2019 12:51:32 AM	44675
Surr: Toluene-d8	91.2	70-130		%Rec	1	5/7/2019 12:51:32 AM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%s Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-085 **Matrix:** SOIL

Client Sample ID: SA-034
Collection Date: 4/29/2019 3:24:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	69		mg/Kg-dr	20	5/7/2019 8:37:26 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/7/2019 1:20:10 AM	44675
Surr: BFB	108	70-130		%Rec	1	5/7/2019 1:20:10 AM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/3/2019 12:36:18 PM	44644
Motor Oil Range Organics (MRO)	ND	51		mg/Kg-dr	1	5/3/2019 12:36:18 PM	44644
Surr: DNOP	94.9	70-130		%Rec	1	5/3/2019 12:36:18 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/7/2019 1:20:10 AM	44675
Toluene	ND	0.056		mg/Kg-dr	1	5/7/2019 1:20:10 AM	44675
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/7/2019 1:20:10 AM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/7/2019 1:20:10 AM	44675
Surr: 1,2-Dichloroethane-d4	96.2	70-130		%Rec	1	5/7/2019 1:20:10 AM	44675
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	5/7/2019 1:20:10 AM	44675
Surr: Dibromofluoromethane	111	70-130		%Rec	1	5/7/2019 1:20:10 AM	44675
Surr: Toluene-d8	92.1	70-130		%Rec	1	5/7/2019 1:20:10 AM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-086 **Matrix:** SOIL

Client Sample ID: SA-035
Collection Date: 4/29/2019 3:19:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	22	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	77		mg/Kg-dr	20	5/7/2019 8:49:51 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	6.3		mg/Kg-dr	1	5/7/2019 1:48:47 AM	44675
Surr: BFB	106	70-130		%Rec	1	5/7/2019 1:48:47 AM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg-dr	1	5/3/2019 1:00:25 PM	44644
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/3/2019 1:00:25 PM	44644
Surr: DNOP	94.8	70-130		%Rec	1	5/3/2019 1:00:25 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.032		mg/Kg-dr	1	5/7/2019 1:48:47 AM	44675
Toluene	ND	0.063		mg/Kg-dr	1	5/7/2019 1:48:47 AM	44675
Ethylbenzene	ND	0.063		mg/Kg-dr	1	5/7/2019 1:48:47 AM	44675
Xylenes, Total	ND	0.13		mg/Kg-dr	1	5/7/2019 1:48:47 AM	44675
Surr: 1,2-Dichloroethane-d4	98.8	70-130		%Rec	1	5/7/2019 1:48:47 AM	44675
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	5/7/2019 1:48:47 AM	44675
Surr: Dibromofluoromethane	114	70-130		%Rec	1	5/7/2019 1:48:47 AM	44675
Surr: Toluene-d8	90.5	70-130		%Rec	1	5/7/2019 1:48:47 AM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-087 **Matrix:** SOIL

Client Sample ID: SA-036
Collection Date: 4/29/2019 3:16:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	14	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	70		mg/Kg-dr	20	5/7/2019 9:02:15 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg-dr	1	5/7/2019 2:17:23 AM	44675
Surr: BFB	107	70-130		%Rec	1	5/7/2019 2:17:23 AM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	8.9		mg/Kg-dr	1	5/3/2019 2:27:43 PM	44644
Motor Oil Range Organics (MRO)	ND	44		mg/Kg-dr	1	5/3/2019 2:27:43 PM	44644
Surr: DNOP	96.2	70-130		%Rec	1	5/3/2019 2:27:43 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/7/2019 2:17:23 AM	44675
Toluene	ND	0.057		mg/Kg-dr	1	5/7/2019 2:17:23 AM	44675
Ethylbenzene	ND	0.057		mg/Kg-dr	1	5/7/2019 2:17:23 AM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/7/2019 2:17:23 AM	44675
Surr: 1,2-Dichloroethane-d4	98.4	70-130		%Rec	1	5/7/2019 2:17:23 AM	44675
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	5/7/2019 2:17:23 AM	44675
Surr: Dibromofluoromethane	114	70-130		%Rec	1	5/7/2019 2:17:23 AM	44675
Surr: Toluene-d8	92.4	70-130		%Rec	1	5/7/2019 2:17:23 AM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%R Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-088 **Matrix:** SOIL

Client Sample ID: SA-037
Collection Date: 4/29/2019 3:13:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.1	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	65		mg/Kg-dr	20	5/7/2019 9:14:41 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/7/2019 2:46:01 AM	44675
Surr: BFB	108	70-130		%Rec	1	5/7/2019 2:46:01 AM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/3/2019 2:51:42 PM	44644
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/3/2019 2:51:42 PM	44644
Surr: DNOP	105	70-130		%Rec	1	5/3/2019 2:51:42 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/7/2019 2:46:01 AM	44675
Toluene	ND	0.053		mg/Kg-dr	1	5/7/2019 2:46:01 AM	44675
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/7/2019 2:46:01 AM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/7/2019 2:46:01 AM	44675
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%Rec	1	5/7/2019 2:46:01 AM	44675
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	5/7/2019 2:46:01 AM	44675
Surr: Dibromofluoromethane	114	70-130		%Rec	1	5/7/2019 2:46:01 AM	44675
Surr: Toluene-d8	92.7	70-130		%Rec	1	5/7/2019 2:46:01 AM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-089 **Matrix:** SOIL

Client Sample ID: SA-038
Collection Date: 4/29/2019 3:06:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	71		mg/Kg-dr	20	5/7/2019 9:27:05 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	5/7/2019 9:32:03 PM	44675
Surr: BFB	108	70-130		%Rec	1	5/7/2019 9:32:03 PM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/3/2019 3:15:47 PM	44644
Motor Oil Range Organics (MRO)	ND	51		mg/Kg-dr	1	5/3/2019 3:15:47 PM	44644
Surr: DNOP	96.5	70-130		%Rec	1	5/3/2019 3:15:47 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/7/2019 9:32:03 PM	44675
Toluene	ND	0.059		mg/Kg-dr	1	5/7/2019 9:32:03 PM	44675
Ethylbenzene	ND	0.059		mg/Kg-dr	1	5/7/2019 9:32:03 PM	44675
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/7/2019 9:32:03 PM	44675
Surr: 1,2-Dichloroethane-d4	93.8	70-130		%Rec	1	5/7/2019 9:32:03 PM	44675
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	5/7/2019 9:32:03 PM	44675
Surr: Dibromofluoromethane	109	70-130		%Rec	1	5/7/2019 9:32:03 PM	44675
Surr: Toluene-d8	92.0	70-130		%Rec	1	5/7/2019 9:32:03 PM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-090 **Matrix:** SOIL

Client Sample ID: SA-039
Collection Date: 4/29/2019 3:05:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	7.2	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	64		mg/Kg-dr	20	5/7/2019 9:39:29 PM	44760
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/7/2019 10:00:47 PM	44675
Surr: BFB	109	70-130		%Rec	1	5/7/2019 10:00:47 PM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg-dr	1	5/3/2019 3:39:51 PM	44644
Motor Oil Range Organics (MRO)	ND	48		mg/Kg-dr	1	5/3/2019 3:39:51 PM	44644
Surr: DNOP	98.1	70-130		%Rec	1	5/3/2019 3:39:51 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/7/2019 10:00:47 PM	44675
Toluene	ND	0.053		mg/Kg-dr	1	5/7/2019 10:00:47 PM	44675
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/7/2019 10:00:47 PM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/7/2019 10:00:47 PM	44675
Surr: 1,2-Dichloroethane-d4	93.1	70-130		%Rec	1	5/7/2019 10:00:47 PM	44675
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	5/7/2019 10:00:47 PM	44675
Surr: Dibromofluoromethane	107	70-130		%Rec	1	5/7/2019 10:00:47 PM	44675
Surr: Toluene-d8	90.3	70-130		%Rec	1	5/7/2019 10:00:47 PM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-091 **Matrix:** SOIL

Client Sample ID: SA-040
Collection Date: 4/29/2019 3:05:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	7.2	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	65		mg/Kg-dr	20	5/7/2019 3:30:42 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/7/2019 10:29:22 PM	44675
Surr: BFB	108	70-130		%Rec	1	5/7/2019 10:29:22 PM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg-dr	1	5/3/2019 4:03:55 PM	44644
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/3/2019 4:03:55 PM	44644
Surr: DNOP	99.6	70-130		%Rec	1	5/3/2019 4:03:55 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/7/2019 10:29:22 PM	44675
Toluene	ND	0.053		mg/Kg-dr	1	5/7/2019 10:29:22 PM	44675
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/7/2019 10:29:22 PM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/7/2019 10:29:22 PM	44675
Surr: 1,2-Dichloroethane-d4	94.0	70-130		%Rec	1	5/7/2019 10:29:22 PM	44675
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	5/7/2019 10:29:22 PM	44675
Surr: Dibromofluoromethane	108	70-130		%Rec	1	5/7/2019 10:29:22 PM	44675
Surr: Toluene-d8	91.8	70-130		%Rec	1	5/7/2019 10:29:22 PM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-092 **Matrix:** SOIL

Client Sample ID: SA-041
Collection Date: 4/29/2019 3:01:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	6.5	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	64		mg/Kg-dr	20	5/7/2019 3:43:07 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	5/7/2019 10:57:56 PM	44675
Surr: BFB	107	70-130		%Rec	1	5/7/2019 10:57:56 PM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg-dr	1	5/3/2019 4:27:56 PM	44644
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/3/2019 4:27:56 PM	44644
Surr: DNOP	95.9	70-130		%Rec	1	5/3/2019 4:27:56 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/7/2019 10:57:56 PM	44675
Toluene	ND	0.052		mg/Kg-dr	1	5/7/2019 10:57:56 PM	44675
Ethylbenzene	ND	0.052		mg/Kg-dr	1	5/7/2019 10:57:56 PM	44675
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/7/2019 10:57:56 PM	44675
Surr: 1,2-Dichloroethane-d4	94.6	70-130		%Rec	1	5/7/2019 10:57:56 PM	44675
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	1	5/7/2019 10:57:56 PM	44675
Surr: Dibromofluoromethane	109	70-130		%Rec	1	5/7/2019 10:57:56 PM	44675
Surr: Toluene-d8	91.1	70-130		%Rec	1	5/7/2019 10:57:56 PM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-093 **Matrix:** SOIL

Client Sample ID: SA-042
Collection Date: 4/29/2019 2:53:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	9.0	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	66		mg/Kg-dr	20	5/9/2019 10:34:24 AM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/7/2019 11:26:39 PM	44675
Surr: BFB	109	70-130		%Rec	1	5/7/2019 11:26:39 PM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg-dr	1	5/3/2019 4:51:58 PM	44644
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/3/2019 4:51:58 PM	44644
Surr: DNOP	95.5	70-130		%Rec	1	5/3/2019 4:51:58 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/7/2019 11:26:39 PM	44675
Toluene	ND	0.053		mg/Kg-dr	1	5/7/2019 11:26:39 PM	44675
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/7/2019 11:26:39 PM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/7/2019 11:26:39 PM	44675
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%Rec	1	5/7/2019 11:26:39 PM	44675
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	5/7/2019 11:26:39 PM	44675
Surr: Dibromofluoromethane	108	70-130		%Rec	1	5/7/2019 11:26:39 PM	44675
Surr: Toluene-d8	92.5	70-130		%Rec	1	5/7/2019 11:26:39 PM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-094 **Matrix:** SOIL

Client Sample ID: SA-043
Collection Date: 4/29/2019 2:52:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	2.9	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	62		mg/Kg-dr	20	5/7/2019 5:09:59 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg-dr	1	5/8/2019 3:16:27 AM	44675
Surr: BFB	107	70-130		%Rec	1	5/8/2019 3:16:27 AM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	8.6		mg/Kg-dr	1	5/3/2019 5:16:09 PM	44644
Motor Oil Range Organics (MRO)	ND	43		mg/Kg-dr	1	5/3/2019 5:16:09 PM	44644
Surr: DNOP	94.6	70-130		%Rec	1	5/3/2019 5:16:09 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg-dr	1	5/8/2019 3:16:27 AM	44675
Toluene	ND	0.050		mg/Kg-dr	1	5/8/2019 3:16:27 AM	44675
Ethylbenzene	ND	0.050		mg/Kg-dr	1	5/8/2019 3:16:27 AM	44675
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/8/2019 3:16:27 AM	44675
Surr: 1,2-Dichloroethane-d4	92.3	70-130		%Rec	1	5/8/2019 3:16:27 AM	44675
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	5/8/2019 3:16:27 AM	44675
Surr: Dibromofluoromethane	106	70-130		%Rec	1	5/8/2019 3:16:27 AM	44675
Surr: Toluene-d8	91.1	70-130		%Rec	1	5/8/2019 3:16:27 AM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-095 **Matrix:** SOIL

Client Sample ID: SA-044
Collection Date: 4/29/2019 2:49:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.4	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	65		mg/Kg-dr	20	5/7/2019 5:22:23 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/8/2019 3:45:10 AM	44675
Surr: BFB	108	70-130		%Rec	1	5/8/2019 3:45:10 AM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg-dr	1	5/3/2019 5:40:38 PM	44644
Motor Oil Range Organics (MRO)	ND	47		mg/Kg-dr	1	5/3/2019 5:40:38 PM	44644
Surr: DNOP	96.0	70-130		%Rec	1	5/3/2019 5:40:38 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/8/2019 3:45:10 AM	44675
Toluene	ND	0.053		mg/Kg-dr	1	5/8/2019 3:45:10 AM	44675
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/8/2019 3:45:10 AM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 3:45:10 AM	44675
Surr: 1,2-Dichloroethane-d4	89.6	70-130		%Rec	1	5/8/2019 3:45:10 AM	44675
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	5/8/2019 3:45:10 AM	44675
Surr: Dibromofluoromethane	106	70-130		%Rec	1	5/8/2019 3:45:10 AM	44675
Surr: Toluene-d8	90.8	70-130		%Rec	1	5/8/2019 3:45:10 AM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-096 **Matrix:** SOIL

Client Sample ID: SA-045
Collection Date: 4/29/2019 2:48:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	68		mg/Kg-dr	20	5/7/2019 5:34:48 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/8/2019 4:13:54 AM	44675
Surr: BFB	107	70-130		%Rec	1	5/8/2019 4:13:54 AM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/3/2019 6:05:13 PM	44644
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/3/2019 6:05:13 PM	44644
Surr: DNOP	98.1	70-130		%Rec	1	5/3/2019 6:05:13 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/8/2019 4:13:54 AM	44675
Toluene	ND	0.056		mg/Kg-dr	1	5/8/2019 4:13:54 AM	44675
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/8/2019 4:13:54 AM	44675
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 4:13:54 AM	44675
Surr: 1,2-Dichloroethane-d4	92.8	70-130		%Rec	1	5/8/2019 4:13:54 AM	44675
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	5/8/2019 4:13:54 AM	44675
Surr: Dibromofluoromethane	106	70-130		%Rec	1	5/8/2019 4:13:54 AM	44675
Surr: Toluene-d8	90.3	70-130		%Rec	1	5/8/2019 4:13:54 AM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-097 **Matrix:** SOIL

Client Sample ID: SA-046
Collection Date: 4/29/2019 2:39:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	71		mg/Kg-dr	20	5/7/2019 5:47:12 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	5/8/2019 4:42:37 AM	44675
Surr: BFB	109	70-130		%Rec	1	5/8/2019 4:42:37 AM	44675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg-dr	1	5/3/2019 6:29:53 PM	44644
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/3/2019 6:29:53 PM	44644
Surr: DNOP	95.0	70-130		%Rec	1	5/3/2019 6:29:53 PM	44644
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/8/2019 4:42:37 AM	44675
Toluene	ND	0.059		mg/Kg-dr	1	5/8/2019 4:42:37 AM	44675
Ethylbenzene	ND	0.059		mg/Kg-dr	1	5/8/2019 4:42:37 AM	44675
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/8/2019 4:42:37 AM	44675
Surr: 1,2-Dichloroethane-d4	87.4	70-130		%Rec	1	5/8/2019 4:42:37 AM	44675
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	5/8/2019 4:42:37 AM	44675
Surr: Dibromofluoromethane	106	70-130		%Rec	1	5/8/2019 4:42:37 AM	44675
Surr: Toluene-d8	93.5	70-130		%Rec	1	5/8/2019 4:42:37 AM	44675

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-098 **Matrix:** SOIL

Client Sample ID: SA-047
Collection Date: 4/29/2019 2:40:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	11	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	67		mg/Kg-dr	20	5/7/2019 5:59:37 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/8/2019 5:11:24 AM	44677
Surr: BFB	107	70-130		%Rec	1	5/8/2019 5:11:24 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/3/2019 8:32:32 PM	44645
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/3/2019 8:32:32 PM	44645
Surr: DNOP	96.5	70-130		%Rec	1	5/3/2019 8:32:32 PM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/8/2019 5:11:24 AM	44677
Toluene	ND	0.055		mg/Kg-dr	1	5/8/2019 5:11:24 AM	44677
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/8/2019 5:11:24 AM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 5:11:24 AM	44677
Surr: 1,2-Dichloroethane-d4	91.3	70-130		%Rec	1	5/8/2019 5:11:24 AM	44677
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	5/8/2019 5:11:24 AM	44677
Surr: Dibromofluoromethane	109	70-130		%Rec	1	5/8/2019 5:11:24 AM	44677
Surr: Toluene-d8	91.1	70-130		%Rec	1	5/8/2019 5:11:24 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-099 **Matrix:** SOIL

Client Sample ID: SA-048
Collection Date: 4/29/2019 2:33:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	5.5	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	63		mg/Kg-dr	20	5/7/2019 6:12:01 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg-dr	1	5/8/2019 6:37:22 AM	44677
Surr: BFB	110	70-130		%Rec	1	5/8/2019 6:37:22 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg-dr	1	5/3/2019 8:57:06 PM	44645
Motor Oil Range Organics (MRO)	ND	47		mg/Kg-dr	1	5/3/2019 8:57:06 PM	44645
Surr: DNOP	97.4	70-130		%Rec	1	5/3/2019 8:57:06 PM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/8/2019 6:37:22 AM	44677
Toluene	ND	0.051		mg/Kg-dr	1	5/8/2019 6:37:22 AM	44677
Ethylbenzene	ND	0.051		mg/Kg-dr	1	5/8/2019 6:37:22 AM	44677
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/8/2019 6:37:22 AM	44677
Surr: 1,2-Dichloroethane-d4	93.9	70-130		%Rec	1	5/8/2019 6:37:22 AM	44677
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	5/8/2019 6:37:22 AM	44677
Surr: Dibromofluoromethane	111	70-130		%Rec	1	5/8/2019 6:37:22 AM	44677
Surr: Toluene-d8	90.2	70-130		%Rec	1	5/8/2019 6:37:22 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-100 **Matrix:** SOIL

Client Sample ID: SA-049
Collection Date: 4/29/2019 2:34:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.2	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	66		mg/Kg-dr	20	5/7/2019 6:24:26 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	5/8/2019 8:03:34 AM	44677
Surr: BFB	108	70-130		%Rec	1	5/8/2019 8:03:34 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg-dr	1	5/3/2019 9:21:41 PM	44645
Motor Oil Range Organics (MRO)	ND	46		mg/Kg-dr	1	5/3/2019 9:21:41 PM	44645
Surr: DNOP	95.9	70-130		%Rec	1	5/3/2019 9:21:41 PM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/8/2019 8:03:34 AM	44677
Toluene	ND	0.052		mg/Kg-dr	1	5/8/2019 8:03:34 AM	44677
Ethylbenzene	ND	0.052		mg/Kg-dr	1	5/8/2019 8:03:34 AM	44677
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/8/2019 8:03:34 AM	44677
Surr: 1,2-Dichloroethane-d4	91.5	70-130		%Rec	1	5/8/2019 8:03:34 AM	44677
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	5/8/2019 8:03:34 AM	44677
Surr: Dibromofluoromethane	106	70-130		%Rec	1	5/8/2019 8:03:34 AM	44677
Surr: Toluene-d8	90.5	70-130		%Rec	1	5/8/2019 8:03:34 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-101 **Matrix:** SOIL

Client Sample ID: SA-050
Collection Date: 4/29/2019 2:37:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	72		mg/Kg-dr	20	5/10/2019 11:20:47 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	5/8/2019 8:32:11 AM	44677
Surr: BFB	109	70-130		%Rec	1	5/8/2019 8:32:11 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/3/2019 10:10:39 PM	44645
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/3/2019 10:10:39 PM	44645
Surr: DNOP	95.1	70-130		%Rec	1	5/3/2019 10:10:39 PM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/8/2019 8:32:11 AM	44677
Toluene	ND	0.059		mg/Kg-dr	1	5/8/2019 8:32:11 AM	44677
Ethylbenzene	ND	0.059		mg/Kg-dr	1	5/8/2019 8:32:11 AM	44677
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/8/2019 8:32:11 AM	44677
Surr: 1,2-Dichloroethane-d4	91.6	70-130		%Rec	1	5/8/2019 8:32:11 AM	44677
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	5/8/2019 8:32:11 AM	44677
Surr: Dibromofluoromethane	107	70-130		%Rec	1	5/8/2019 8:32:11 AM	44677
Surr: Toluene-d8	91.3	70-130		%Rec	1	5/8/2019 8:32:11 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-102 **Matrix:** SOIL

Client Sample ID: SA-051
Collection Date: 4/29/2019 2:42:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	9.2	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	66		mg/Kg-dr	20	5/10/2019 11:33:12 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/9/2019 3:45:06 AM	44677
Surr: BFB	107	70-130		%Rec	1	5/9/2019 3:45:06 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg-dr	1	5/3/2019 10:35:06 PM	44645
Motor Oil Range Organics (MRO)	ND	48		mg/Kg-dr	1	5/3/2019 10:35:06 PM	44645
Surr: DNOP	106	70-130		%Rec	1	5/3/2019 10:35:06 PM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 3:45:06 AM	44677
Toluene	ND	0.053		mg/Kg-dr	1	5/9/2019 3:45:06 AM	44677
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/9/2019 3:45:06 AM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 3:45:06 AM	44677
Surr: 1,2-Dichloroethane-d4	89.1	70-130		%Rec	1	5/9/2019 3:45:06 AM	44677
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	5/9/2019 3:45:06 AM	44677
Surr: Dibromofluoromethane	106	70-130		%Rec	1	5/9/2019 3:45:06 AM	44677
Surr: Toluene-d8	88.4	70-130		%Rec	1	5/9/2019 3:45:06 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-103 **Matrix:** SOIL

Client Sample ID: SA-052
Collection Date: 4/29/2019 2:31:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	13	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	69		mg/Kg-dr	20	5/10/2019 11:45:36 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/9/2019 4:13:52 AM	44677
Surr: BFB	110	70-130		%Rec	1	5/9/2019 4:13:52 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg-dr	1	5/3/2019 10:59:28 PM	44645
Motor Oil Range Organics (MRO)	ND	45		mg/Kg-dr	1	5/3/2019 10:59:28 PM	44645
Surr: DNOP	96.1	70-130		%Rec	1	5/3/2019 10:59:28 PM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/9/2019 4:13:52 AM	44677
Toluene	ND	0.055		mg/Kg-dr	1	5/9/2019 4:13:52 AM	44677
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/9/2019 4:13:52 AM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 4:13:52 AM	44677
Surr: 1,2-Dichloroethane-d4	91.3	70-130		%Rec	1	5/9/2019 4:13:52 AM	44677
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	5/9/2019 4:13:52 AM	44677
Surr: Dibromofluoromethane	105	70-130		%Rec	1	5/9/2019 4:13:52 AM	44677
Surr: Toluene-d8	91.7	70-130		%Rec	1	5/9/2019 4:13:52 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-104 **Matrix:** SOIL

Client Sample ID: SA-053
Collection Date: 4/29/2019 2:15:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	7.5	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	91	65		mg/Kg-dr	20	5/10/2019 11:58:00 PM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/9/2019 4:42:36 AM	44677
Surr: BFB	111	70-130		%Rec	1	5/9/2019 4:42:36 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	13	10		mg/Kg-dr	1	5/3/2019 11:23:48 PM	44645
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/3/2019 11:23:48 PM	44645
Surr: DNOP	97.7	70-130		%Rec	1	5/3/2019 11:23:48 PM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 4:42:36 AM	44677
Toluene	ND	0.053		mg/Kg-dr	1	5/9/2019 4:42:36 AM	44677
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/9/2019 4:42:36 AM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 4:42:36 AM	44677
Surr: 1,2-Dichloroethane-d4	89.4	70-130		%Rec	1	5/9/2019 4:42:36 AM	44677
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	1	5/9/2019 4:42:36 AM	44677
Surr: Dibromofluoromethane	106	70-130		%Rec	1	5/9/2019 4:42:36 AM	44677
Surr: Toluene-d8	89.5	70-130		%Rec	1	5/9/2019 4:42:36 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-105 **Matrix:** SOIL

Client Sample ID: SA-054
Collection Date: 4/29/2019 2:18:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	6.0	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	75	64		mg/Kg-dr	20	5/11/2019 12:10:25 AM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/9/2019 5:11:20 AM	44677
Surr: BFB	107	70-130		%Rec	1	5/9/2019 5:11:20 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg-dr	1	5/3/2019 11:48:05 PM	44645
Motor Oil Range Organics (MRO)	ND	46		mg/Kg-dr	1	5/3/2019 11:48:05 PM	44645
Surr: DNOP	100	70-130		%Rec	1	5/3/2019 11:48:05 PM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	5/9/2019 5:11:20 AM	44677
Toluene	ND	0.053		mg/Kg-dr	1	5/9/2019 5:11:20 AM	44677
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/9/2019 5:11:20 AM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 5:11:20 AM	44677
Surr: 1,2-Dichloroethane-d4	90.8	70-130		%Rec	1	5/9/2019 5:11:20 AM	44677
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	5/9/2019 5:11:20 AM	44677
Surr: Dibromofluoromethane	107	70-130		%Rec	1	5/9/2019 5:11:20 AM	44677
Surr: Toluene-d8	89.1	70-130		%Rec	1	5/9/2019 5:11:20 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-106 **Matrix:** SOIL

Client Sample ID: SA-055
Collection Date: 4/29/2019 2:15:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	15	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	72		mg/Kg-dr	20	5/11/2019 12:22:50 AM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	450	5.7		mg/Kg-dr	1	5/9/2019 5:40:04 AM	44677
Surr: BFB	120	70-130		%Rec	1	5/9/2019 5:40:04 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	4500	95		mg/Kg-dr	10	5/3/2019 1:24:32 PM	44645
Motor Oil Range Organics (MRO)	1300	470		mg/Kg-dr	10	5/3/2019 1:24:32 PM	44645
Surr: DNOP	0	70-130	S	%Rec	10	5/3/2019 1:24:32 PM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/9/2019 5:40:04 AM	44677
Toluene	1.0	0.057		mg/Kg-dr	1	5/9/2019 5:40:04 AM	44677
Ethylbenzene	1.6	0.057		mg/Kg-dr	1	5/9/2019 5:40:04 AM	44677
Xylenes, Total	12	0.11		mg/Kg-dr	1	5/9/2019 5:40:04 AM	44677
Surr: 1,2-Dichloroethane-d4	96.4	70-130		%Rec	1	5/9/2019 5:40:04 AM	44677
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	5/9/2019 5:40:04 AM	44677
Surr: Dibromofluoromethane	142	70-130	S	%Rec	1	5/9/2019 5:40:04 AM	44677
Surr: Toluene-d8	92.0	70-130		%Rec	1	5/9/2019 5:40:04 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-107 **Matrix:** SOIL

Client Sample ID: SA-056
Collection Date: 4/29/2019 2:03:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	73		mg/Kg-dr	20	5/11/2019 12:35:15 AM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dr	1	5/9/2019 8:06:23 PM	44677
Surr: BFB	109	70-130		%Rec	1	5/9/2019 8:06:23 PM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	38	9.5		mg/Kg-dr	1	5/4/2019 12:12:19 AM	44645
Motor Oil Range Organics (MRO)	ND	47		mg/Kg-dr	1	5/4/2019 12:12:19 AM	44645
Surr: DNOP	97.0	70-130		%Rec	1	5/4/2019 12:12:19 AM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/9/2019 6:08:50 AM	44677
Toluene	ND	0.058		mg/Kg-dr	1	5/9/2019 6:08:50 AM	44677
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/9/2019 6:08:50 AM	44677
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/9/2019 6:08:50 AM	44677
Surr: 1,2-Dichloroethane-d4	90.5	70-130		%Rec	1	5/9/2019 6:08:50 AM	44677
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	5/9/2019 6:08:50 AM	44677
Surr: Dibromofluoromethane	106	70-130		%Rec	1	5/9/2019 6:08:50 AM	44677
Surr: Toluene-d8	89.1	70-130		%Rec	1	5/9/2019 6:08:50 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-108 **Matrix:** SOIL

Client Sample ID: SA-057
Collection Date: 4/29/2019 2:19:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	18	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	73		mg/Kg-dr	20	5/11/2019 12:47:39 AM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	13	6.0		mg/Kg-dr	1	5/9/2019 6:37:32 AM	44677
Surr: BFB	109	70-130		%Rec	1	5/9/2019 6:37:32 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	19	9.1		mg/Kg-dr	1	5/4/2019 12:36:31 AM	44645
Motor Oil Range Organics (MRO)	ND	46		mg/Kg-dr	1	5/4/2019 12:36:31 AM	44645
Surr: DNOP	97.6	70-130		%Rec	1	5/4/2019 12:36:31 AM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/9/2019 6:37:32 AM	44677
Toluene	ND	0.060		mg/Kg-dr	1	5/9/2019 6:37:32 AM	44677
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/9/2019 6:37:32 AM	44677
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/9/2019 6:37:32 AM	44677
Surr: 1,2-Dichloroethane-d4	92.3	70-130		%Rec	1	5/9/2019 6:37:32 AM	44677
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	5/9/2019 6:37:32 AM	44677
Surr: Dibromofluoromethane	110	70-130		%Rec	1	5/9/2019 6:37:32 AM	44677
Surr: Toluene-d8	88.6	70-130		%Rec	1	5/9/2019 6:37:32 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%s Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-109 **Matrix:** SOIL

Client Sample ID: SA-058
Collection Date: 4/29/2019 2:04:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019	R59815
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	71		mg/Kg-dr	20	5/11/2019 1:24:53 AM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	5/9/2019 7:06:11 AM	44677
Surr: BFB	110	70-130		%Rec	1	5/9/2019 7:06:11 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	15	9.6		mg/Kg-dr	1	5/4/2019 1:00:39 AM	44645
Motor Oil Range Organics (MRO)	ND	48		mg/Kg-dr	1	5/4/2019 1:00:39 AM	44645
Surr: DNOP	96.6	70-130		%Rec	1	5/4/2019 1:00:39 AM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/9/2019 7:06:11 AM	44677
Toluene	ND	0.059		mg/Kg-dr	1	5/9/2019 7:06:11 AM	44677
Ethylbenzene	ND	0.059		mg/Kg-dr	1	5/9/2019 7:06:11 AM	44677
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/9/2019 7:06:11 AM	44677
Surr: 1,2-Dichloroethane-d4	90.2	70-130		%Rec	1	5/9/2019 7:06:11 AM	44677
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	5/9/2019 7:06:11 AM	44677
Surr: Dibromofluoromethane	107	70-130		%Rec	1	5/9/2019 7:06:11 AM	44677
Surr: Toluene-d8	89.6	70-130		%Rec	1	5/9/2019 7:06:11 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-110 **Matrix:** SOIL

Client Sample ID: SA-059
Collection Date: 4/29/2019 2:00:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	68		mg/Kg-dr	20	5/11/2019 1:37:17 AM	44766
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/9/2019 7:34:52 AM	44677
Surr: BFB	110	70-130		%Rec	1	5/9/2019 7:34:52 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	17	10		mg/Kg-dr	1	5/4/2019 1:24:46 AM	44645
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/4/2019 1:24:46 AM	44645
Surr: DNOP	101	70-130		%Rec	1	5/4/2019 1:24:46 AM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/9/2019 7:34:52 AM	44677
Toluene	ND	0.056		mg/Kg-dr	1	5/9/2019 7:34:52 AM	44677
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/9/2019 7:34:52 AM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 7:34:52 AM	44677
Surr: 1,2-Dichloroethane-d4	90.3	70-130		%Rec	1	5/9/2019 7:34:52 AM	44677
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	5/9/2019 7:34:52 AM	44677
Surr: Dibromofluoromethane	108	70-130		%Rec	1	5/9/2019 7:34:52 AM	44677
Surr: Toluene-d8	88.8	70-130		%Rec	1	5/9/2019 7:34:52 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-111 **Matrix:** SOIL

Client Sample ID: SA-060
Collection Date: 4/29/2019 1:51:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	72		mg/Kg-dr	20	5/8/2019 12:12:04 PM	44769
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	270	5.9		mg/Kg-dr	1	5/9/2019 8:03:39 AM	44677
Surr: BFB	118	70-130		%Rec	1	5/9/2019 8:03:39 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	200	9.6		mg/Kg-dr	1	5/4/2019 1:48:47 AM	44645
Motor Oil Range Organics (MRO)	64	48		mg/Kg-dr	1	5/4/2019 1:48:47 AM	44645
Surr: DNOP	100	70-130		%Rec	1	5/4/2019 1:48:47 AM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.030		mg/Kg-dr	1	5/9/2019 8:03:39 AM	44677
Toluene	0.28	0.059		mg/Kg-dr	1	5/9/2019 8:03:39 AM	44677
Ethylbenzene	0.57	0.059		mg/Kg-dr	1	5/9/2019 8:03:39 AM	44677
Xylenes, Total	4.9	0.12		mg/Kg-dr	1	5/9/2019 8:03:39 AM	44677
Surr: 1,2-Dichloroethane-d4	99.5	70-130		%Rec	1	5/9/2019 8:03:39 AM	44677
Surr: 4-Bromofluorobenzene	77.8	70-130		%Rec	1	5/9/2019 8:03:39 AM	44677
Surr: Dibromofluoromethane	141	70-130	S	%Rec	1	5/9/2019 8:03:39 AM	44677
Surr: Toluene-d8	89.6	70-130		%Rec	1	5/9/2019 8:03:39 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-112 **Matrix:** SOIL

Client Sample ID: SA-061
Collection Date: 4/29/2019 1:45:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	7.2	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	64		mg/Kg-dr	20	5/8/2019 12:49:17 PM	44769
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/9/2019 8:32:24 AM	44677
Surr: BFB	109	70-130		%Rec	1	5/9/2019 8:32:24 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg-dr	1	5/4/2019 2:12:47 AM	44645
Motor Oil Range Organics (MRO)	ND	48		mg/Kg-dr	1	5/4/2019 2:12:47 AM	44645
Surr: DNOP	97.9	70-130		%Rec	1	5/4/2019 2:12:47 AM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 8:32:24 AM	44677
Toluene	ND	0.053		mg/Kg-dr	1	5/9/2019 8:32:24 AM	44677
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/9/2019 8:32:24 AM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 8:32:24 AM	44677
Surr: 1,2-Dichloroethane-d4	86.6	70-130		%Rec	1	5/9/2019 8:32:24 AM	44677
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	5/9/2019 8:32:24 AM	44677
Surr: Dibromofluoromethane	106	70-130		%Rec	1	5/9/2019 8:32:24 AM	44677
Surr: Toluene-d8	87.3	70-130		%Rec	1	5/9/2019 8:32:24 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-113 **Matrix:** SOIL

Client Sample ID: SA-062
Collection Date: 4/29/2019 1:44:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.9	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	66		mg/Kg-dr	20	5/8/2019 1:01:42 PM	44769
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/9/2019 9:01:09 AM	44677
Surr: BFB	113	70-130		%Rec	1	5/9/2019 9:01:09 AM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg-dr	1	5/4/2019 2:36:43 AM	44645
Motor Oil Range Organics (MRO)	ND	45		mg/Kg-dr	1	5/4/2019 2:36:43 AM	44645
Surr: DNOP	103	70-130		%Rec	1	5/4/2019 2:36:43 AM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 9:01:09 AM	44677
Toluene	ND	0.054		mg/Kg-dr	1	5/9/2019 9:01:09 AM	44677
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/9/2019 9:01:09 AM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 9:01:09 AM	44677
Surr: 1,2-Dichloroethane-d4	88.9	70-130		%Rec	1	5/9/2019 9:01:09 AM	44677
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	5/9/2019 9:01:09 AM	44677
Surr: Dibromofluoromethane	103	70-130		%Rec	1	5/9/2019 9:01:09 AM	44677
Surr: Toluene-d8	88.5	70-130		%Rec	1	5/9/2019 9:01:09 AM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-114 **Matrix:** SOIL

Client Sample ID: SA-064
Collection Date: 4/29/2019 1:44:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.7	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	65		mg/Kg-dr	20	5/8/2019 1:14:06 PM	44769
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/9/2019 8:35:04 PM	44677
Surr: BFB	108	70-130		%Rec	1	5/9/2019 8:35:04 PM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg-dr	1	5/4/2019 3:00:41 AM	44645
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/4/2019 3:00:41 AM	44645
Surr: DNOP	103	70-130		%Rec	1	5/4/2019 3:00:41 AM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 8:35:04 PM	44677
Toluene	ND	0.054		mg/Kg-dr	1	5/9/2019 8:35:04 PM	44677
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/9/2019 8:35:04 PM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 8:35:04 PM	44677
Surr: 1,2-Dichloroethane-d4	89.1	70-130		%Rec	1	5/9/2019 8:35:04 PM	44677
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	5/9/2019 8:35:04 PM	44677
Surr: Dibromofluoromethane	107	70-130		%Rec	1	5/9/2019 8:35:04 PM	44677
Surr: Toluene-d8	89.9	70-130		%Rec	1	5/9/2019 8:35:04 PM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-115 **Matrix:** SOIL

Client Sample ID: SA-065
Collection Date: 4/29/2019 1:30:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	16	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	71		mg/Kg-dr	20	5/8/2019 2:16:08 PM	44769
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg-dr	1	5/8/2019 9:03:41 PM	44677
Surr: BFB	108	70-130		%Rec	1	5/9/2019 9:03:41 PM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg-dr	1	5/4/2019 3:24:35 AM	44645
Motor Oil Range Organics (MRO)	ND	48		mg/Kg-dr	1	5/4/2019 3:24:35 AM	44645
Surr: DNOP	105	70-130		%Rec	1	5/4/2019 3:24:35 AM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/9/2019 9:03:41 PM	44677
Toluene	ND	0.057		mg/Kg-dr	1	5/9/2019 9:03:41 PM	44677
Ethylbenzene	ND	0.057		mg/Kg-dr	1	5/9/2019 9:03:41 PM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 9:03:41 PM	44677
Surr: 1,2-Dichloroethane-d4	88.0	70-130		%Rec	1	5/9/2019 9:03:41 PM	44677
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	5/9/2019 9:03:41 PM	44677
Surr: Dibromofluoromethane	103	70-130		%Rec	1	5/9/2019 9:03:41 PM	44677
Surr: Toluene-d8	90.9	70-130		%Rec	1	5/9/2019 9:03:41 PM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-116 **Matrix:** SOIL

Client Sample ID: SA-066
Collection Date: 4/29/2019 1:30:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	11	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	68		mg/Kg-dr	20	5/8/2019 2:28:32 PM	44769
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	7.8	5.6		mg/Kg-dr	1	5/9/2019 9:32:16 PM	44677
Surr: BFB	109	70-130		%Rec	1	5/9/2019 9:32:16 PM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	55	9.9		mg/Kg-dr	1	5/4/2019 3:48:29 AM	44645
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/4/2019 3:48:29 AM	44645
Surr: DNOP	100	70-130		%Rec	1	5/4/2019 3:48:29 AM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.028		mg/Kg-dr	1	5/9/2019 9:32:16 PM	44677
Toluene	ND	0.056		mg/Kg-dr	1	5/9/2019 9:32:16 PM	44677
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/9/2019 9:32:16 PM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 9:32:16 PM	44677
Surr: 1,2-Dichloroethane-d4	92.0	70-130		%Rec	1	5/9/2019 9:32:16 PM	44677
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	5/9/2019 9:32:16 PM	44677
Surr: Dibromofluoromethane	109	70-130		%Rec	1	5/9/2019 9:32:16 PM	44677
Surr: Toluene-d8	87.7	70-130		%Rec	1	5/9/2019 9:32:16 PM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-117 **Matrix:** SOIL

Client Sample ID: SA-067
Collection Date: 4/29/2019 1:22:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	13	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	70		mg/Kg-dr	20	5/8/2019 2:40:57 PM	44769
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg-dr	1	5/9/2019 10:00:58 PM	44677
Surr: BFB	110	70-130		%Rec	1	5/9/2019 10:00:58 PM	44677
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg-dr	1	5/4/2019 4:12:19 AM	44645
Motor Oil Range Organics (MRO)	ND	47		mg/Kg-dr	1	5/4/2019 4:12:19 AM	44645
Surr: DNOP	109	70-130		%Rec	1	5/4/2019 4:12:19 AM	44645
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.029		mg/Kg-dr	1	5/9/2019 10:00:58 PM	44677
Toluene	ND	0.057		mg/Kg-dr	1	5/9/2019 10:00:58 PM	44677
Ethylbenzene	ND	0.057		mg/Kg-dr	1	5/9/2019 10:00:58 PM	44677
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 10:00:58 PM	44677
Surr: 1,2-Dichloroethane-d4	90.1	70-130		%Rec	1	5/9/2019 10:00:58 PM	44677
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	5/9/2019 10:00:58 PM	44677
Surr: Dibromofluoromethane	103	70-130		%Rec	1	5/9/2019 10:00:58 PM	44677
Surr: Toluene-d8	88.6	70-130		%Rec	1	5/9/2019 10:00:58 PM	44677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-118 **Matrix:** SOIL

Client Sample ID: SA-068
Collection Date: 4/29/2019 1:22:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.4	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	65		mg/Kg-dr	20	5/8/2019 2:53:21 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/6/2019 9:34:03 AM	44646
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	5/6/2019 9:34:03 AM	44646
Surr: DNOP	99.6	70-130		%Rec	1	5/6/2019 9:34:03 AM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/8/2019 9:02:12 PM	44697
Surr: BFB	90.7	73.8-119		%Rec	1	5/8/2019 9:02:12 PM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg-dr	1	5/8/2019 9:02:12 PM	44697
Toluene	ND	0.053		mg/Kg-dr	1	5/8/2019 9:02:12 PM	44697
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/8/2019 9:02:12 PM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 9:02:12 PM	44697
Surr: 4-Bromofluorobenzene	84.6	80-120		%Rec	1	5/8/2019 9:02:12 PM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-119 **Matrix:** SOIL

Client Sample ID: SA-069
Collection Date: 4/29/2019 1:07:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	18	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	72		mg/Kg-dr	20	5/8/2019 3:05:45 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/6/2019 1:43:34 PM	44646
Motor Oil Range Organics (MRO)	ND	59		mg/Kg-dr	1	5/6/2019 1:43:34 PM	44646
Surr: DNOP	85.1	70-130		%Rec	1	5/6/2019 1:43:34 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg-dr	1	5/8/2019 10:10:42 PM	44697
Surr: BFB	92.8	73.8-119		%Rec	1	5/8/2019 10:10:42 PM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.030		mg/Kg-dr	1	5/8/2019 10:10:42 PM	44697
Toluene	ND	0.060		mg/Kg-dr	1	5/8/2019 10:10:42 PM	44697
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/8/2019 10:10:42 PM	44697
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/8/2019 10:10:42 PM	44697
Surr: 4-Bromofluorobenzene	88.7	80-120		%Rec	1	5/8/2019 10:10:42 PM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-120 **Matrix:** SOIL

Client Sample ID: SA-070
Collection Date: 4/29/2019 1:05:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	68		mg/Kg-dr	20	5/8/2019 3:18:09 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 2:05:46 PM	44646
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/6/2019 2:05:46 PM	44646
Surr: DNOP	86.7	70-130		%Rec	1	5/6/2019 2:05:46 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/8/2019 11:19:07 PM	44697
Surr: BFB	93.3	73.8-119		%Rec	1	5/8/2019 11:19:07 PM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.028		mg/Kg-dr	1	5/8/2019 11:19:07 PM	44697
Toluene	ND	0.056		mg/Kg-dr	1	5/8/2019 11:19:07 PM	44697
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/8/2019 11:19:07 PM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 11:19:07 PM	44697
Surr: 4-Bromofluorobenzene	88.9	80-120		%Rec	1	5/8/2019 11:19:07 PM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-121 **Matrix:** SOIL

Client Sample ID: SA-071
Collection Date: 4/29/2019 12:59:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	17	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	71		mg/Kg-dr	20	5/8/2019 3:30:33 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	13	12		mg/Kg-dr	1	5/6/2019 2:27:44 PM	44646
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dr	1	5/6/2019 2:27:44 PM	44646
Surr: DNOP	88.9	70-130		%Rec	1	5/6/2019 2:27:44 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	5/8/2019 11:41:51 PM	44697
Surr: BFB	91.8	73.8-119		%Rec	1	5/8/2019 11:41:51 PM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.029		mg/Kg-dr	1	5/8/2019 11:41:51 PM	44697
Toluene	ND	0.059		mg/Kg-dr	1	5/8/2019 11:41:51 PM	44697
Ethylbenzene	ND	0.059		mg/Kg-dr	1	5/8/2019 11:41:51 PM	44697
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/8/2019 11:41:51 PM	44697
Surr: 4-Bromofluorobenzene	86.1	80-120		%Rec	1	5/8/2019 11:41:51 PM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-122 **Matrix:** SOIL

Client Sample ID: SA-072
Collection Date: 4/29/2019 2:46:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	14	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	70		mg/Kg-dr	20	5/8/2019 3:42:58 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	18	11		mg/Kg-dr	1	5/6/2019 3:12:11 PM	44646
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	5/6/2019 3:12:11 PM	44646
Surr: DNOP	91.3	70-130		%Rec	1	5/6/2019 3:12:11 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	21	5.8		mg/Kg-dr	1	5/9/2019 12:04:26 AM	44697
Surr: BFB	233	73.8-119	S	%Rec	1	5/9/2019 12:04:26 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.029		mg/Kg-dr	1	5/9/2019 12:04:26 AM	44697
Toluene	ND	0.058		mg/Kg-dr	1	5/9/2019 12:04:26 AM	44697
Ethylbenzene	0.062	0.058		mg/Kg-dr	1	5/9/2019 12:04:26 AM	44697
Xylenes, Total	0.48	0.12		mg/Kg-dr	1	5/9/2019 12:04:26 AM	44697
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	5/9/2019 12:04:26 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-123 **Matrix:** SOIL

Client Sample ID: SA-073
Collection Date: 4/29/2019 12:40:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	15	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	71		mg/Kg-dr	20	5/8/2019 3:55:22 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	20	12		mg/Kg-dr	1	5/6/2019 3:34:12 PM	44646
Motor Oil Range Organics (MRO)	ND	59		mg/Kg-dr	1	5/6/2019 3:34:12 PM	44646
Surr: DNOP	93.3	70-130		%Rec	1	5/6/2019 3:34:12 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	5/9/2019 12:27:05 AM	44697
Surr: BFB	98.8	73.8-119		%Rec	1	5/9/2019 12:27:05 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.029		mg/Kg-dr	1	5/9/2019 12:27:05 AM	44697
Toluene	ND	0.059		mg/Kg-dr	1	5/9/2019 12:27:05 AM	44697
Ethylbenzene	ND	0.059		mg/Kg-dr	1	5/9/2019 12:27:05 AM	44697
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/9/2019 12:27:05 AM	44697
Surr: 4-Bromofluorobenzene	94.6	80-120		%Rec	1	5/9/2019 12:27:05 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-124 **Matrix:** SOIL

Client Sample ID: SA-074
Collection Date: 4/29/2019 12:47:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.0	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	66		mg/Kg-dr	20	5/8/2019 4:07:47 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	29	11		mg/Kg-dr	1	5/6/2019 3:56:27 PM	44646
Motor Oil Range Organics (MRO)	ND	54		mg/Kg-dr	1	5/6/2019 3:56:27 PM	44646
Surr: DNOP	95.2	70-130		%Rec	1	5/6/2019 3:56:27 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/9/2019 12:49:57 AM	44697
Surr: BFB	93.6	73.8-119		%Rec	1	5/9/2019 12:49:57 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 12:49:57 AM	44697
Toluene	ND	0.054		mg/Kg-dr	1	5/9/2019 12:49:57 AM	44697
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/9/2019 12:49:57 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 12:49:57 AM	44697
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	5/9/2019 12:49:57 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-125 **Matrix:** SOIL

Client Sample ID: SA-075
Collection Date: 4/29/2019 12:26:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.8	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	66		mg/Kg-dr	20	5/8/2019 4:45:01 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	37	11		mg/Kg-dr	1	5/6/2019 4:18:40 PM	44646
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/6/2019 4:18:40 PM	44646
Surr: DNOP	103	70-130		%Rec	1	5/6/2019 4:18:40 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/9/2019 1:12:48 AM	44697
Surr: BFB	92.4	73.8-119		%Rec	1	5/9/2019 1:12:48 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 1:12:48 AM	44697
Toluene	ND	0.054		mg/Kg-dr	1	5/9/2019 1:12:48 AM	44697
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/9/2019 1:12:48 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 1:12:48 AM	44697
Surr: 4-Bromofluorobenzene	88.8	80-120		%Rec	1	5/9/2019 1:12:48 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-126 **Matrix:** SOIL

Client Sample ID: SA-076
Collection Date: 4/29/2019 12:23:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	11	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	67		mg/Kg-dr	20	5/8/2019 4:57:26 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	27	11		mg/Kg-dr	1	5/6/2019 4:40:40 PM	44646
Motor Oil Range Organics (MRO)	ND	54		mg/Kg-dr	1	5/6/2019 4:40:40 PM	44646
Surr: DNOP	99.2	70-130		%Rec	1	5/6/2019 4:40:40 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/9/2019 1:35:34 AM	44697
Surr: BFB	93.2	73.8-119		%Rec	1	5/9/2019 1:35:34 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.028		mg/Kg-dr	1	5/9/2019 1:35:34 AM	44697
Toluene	ND	0.056		mg/Kg-dr	1	5/9/2019 1:35:34 AM	44697
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/9/2019 1:35:34 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 1:35:34 AM	44697
Surr: 4-Bromofluorobenzene	89.1	80-120		%Rec	1	5/9/2019 1:35:34 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-127 **Matrix:** SOIL

Client Sample ID: SA-077
Collection Date: 4/29/2019 12:17:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	15	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	71		mg/Kg-dr	20	5/8/2019 5:09:51 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	19	12		mg/Kg-dr	1	5/6/2019 5:02:52 PM	44646
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dr	1	5/6/2019 5:02:52 PM	44646
Surr: DNOP	98.1	70-130		%Rec	1	5/6/2019 5:02:52 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/9/2019 1:58:11 AM	44697
Surr: BFB	93.7	73.8-119		%Rec	1	5/9/2019 1:58:11 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.028		mg/Kg-dr	1	5/9/2019 1:58:11 AM	44697
Toluene	ND	0.056		mg/Kg-dr	1	5/9/2019 1:58:11 AM	44697
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/9/2019 1:58:11 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 1:58:11 AM	44697
Surr: 4-Bromofluorobenzene	89.0	80-120		%Rec	1	5/9/2019 1:58:11 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-128 **Matrix:** SOIL

Client Sample ID: SA-078
Collection Date: 4/29/2019 12:00:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	7.9	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	65		mg/Kg-dr	20	5/8/2019 5:22:15 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	77	11		mg/Kg-dr	1	5/6/2019 5:25:08 PM	44646
Motor Oil Range Organics (MRO)	59	54		mg/Kg-dr	1	5/6/2019 5:25:08 PM	44646
Surr: DNOP	101	70-130		%Rec	1	5/6/2019 5:25:08 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/9/2019 3:51:57 AM	44697
Surr: BFB	96.8	73.8-119		%Rec	1	5/9/2019 3:51:57 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 3:51:57 AM	44697
Toluene	ND	0.054		mg/Kg-dr	1	5/9/2019 3:51:57 AM	44697
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/9/2019 3:51:57 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 3:51:57 AM	44697
Surr: 4-Bromofluorobenzene	91.5	80-120		%Rec	1	5/9/2019 3:51:57 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-129 **Matrix:** SOIL

Client Sample ID: SA-079
Collection Date: 4/29/2019 11:52:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	11	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	66		mg/Kg-dr	20	5/8/2019 5:34:39 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/6/2019 5:47:46 PM	44646
Motor Oil Range Organics (MRO)	ND	51		mg/Kg-dr	1	5/6/2019 5:47:46 PM	44646
Surr: DNOP	96.3	70-130		%Rec	1	5/6/2019 5:47:46 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/9/2019 4:14:48 AM	44697
Surr: BFB	92.7	73.8-119		%Rec	1	5/9/2019 4:14:48 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 4:14:48 AM	44697
Toluene	ND	0.053		mg/Kg-dr	1	5/9/2019 4:14:48 AM	44697
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/9/2019 4:14:48 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 4:14:48 AM	44697
Surr: 4-Bromofluorobenzene	88.2	80-120		%Rec	1	5/9/2019 4:14:48 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-130 **Matrix:** SOIL

Client Sample ID: SA-080
Collection Date: 4/29/2019 11:51:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	68		mg/Kg-dr	20	5/8/2019 5:47:04 PM	44769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 6:10:13 PM	44646
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/6/2019 6:10:13 PM	44646
Surr: DNOP	102	70-130		%Rec	1	5/6/2019 6:10:13 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/9/2019 4:37:36 AM	44697
Surr: BFB	89.8	73.8-119		%Rec	1	5/9/2019 4:37:36 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.028		mg/Kg-dr	1	5/9/2019 4:37:36 AM	44697
Toluene	ND	0.056		mg/Kg-dr	1	5/9/2019 4:37:36 AM	44697
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/9/2019 4:37:36 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 4:37:36 AM	44697
Surr: 4-Bromofluorobenzene	84.9	80-120		%Rec	1	5/9/2019 4:37:36 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315H
Lab ID: 1905003-131 **Matrix:** SOIL

Client Sample ID: SA-081
Collection Date: 4/29/2019 11:38:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	11	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	68		mg/Kg-dr	20	5/8/2019 1:36:10 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	120	11		mg/Kg-dr	1	5/6/2019 6:32:43 PM	44646
Motor Oil Range Organics (MRO)	64	54		mg/Kg-dr	1	5/6/2019 6:32:43 PM	44646
Surr: DNOP	102	70-130		%Rec	1	5/6/2019 6:32:43 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/9/2019 5:00:11 AM	44697
Surr: BFB	107	73.8-119		%Rec	1	5/9/2019 5:00:11 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 5:00:11 AM	44697
Toluene	ND	0.055		mg/Kg-dr	1	5/9/2019 5:00:11 AM	44697
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/9/2019 5:00:11 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 5:00:11 AM	44697
Surr: 4-Bromofluorobenzene	97.0	80-120		%Rec	1	5/9/2019 5:00:11 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-132 **Matrix:** SOIL

Client Sample ID: SA-083
Collection Date: 4/29/2019 11:27:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	6.0	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	64		mg/Kg-dr	20	5/8/2019 2:13:22 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 6:54:58 PM	44646
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/6/2019 6:54:58 PM	44646
Surr: DNOP	102	70-130		%Rec	1	5/6/2019 6:54:58 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	5/9/2019 5:22:51 AM	44697
Surr: BFB	96.0	73.8-119		%Rec	1	5/9/2019 5:22:51 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg-dr	1	5/9/2019 5:22:51 AM	44697
Toluene	ND	0.052		mg/Kg-dr	1	5/9/2019 5:22:51 AM	44697
Ethylbenzene	ND	0.052		mg/Kg-dr	1	5/9/2019 5:22:51 AM	44697
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/9/2019 5:22:51 AM	44697
Surr: 4-Bromofluorobenzene	91.2	80-120		%Rec	1	5/9/2019 5:22:51 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-133 **Matrix:** SOIL

Client Sample ID: SA-084
Collection Date: 4/29/2019 11:20:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	7.4	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	65		mg/Kg-dr	20	5/8/2019 2:25:48 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/6/2019 7:17:28 PM	44646
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	5/6/2019 7:17:28 PM	44646
Surr: DNOP	99.2	70-130		%Rec	1	5/6/2019 7:17:28 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg-dr	1	5/9/2019 5:45:43 AM	44697
Surr: BFB	95.7	73.8-119		%Rec	1	5/9/2019 5:45:43 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg-dr	1	5/9/2019 5:45:43 AM	44697
Toluene	ND	0.051		mg/Kg-dr	1	5/9/2019 5:45:43 AM	44697
Ethylbenzene	ND	0.051		mg/Kg-dr	1	5/9/2019 5:45:43 AM	44697
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/9/2019 5:45:43 AM	44697
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	5/9/2019 5:45:43 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-134 **Matrix:** SOIL

Client Sample ID: SA-085
Collection Date: 4/29/2019 10:58:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	11	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	67		mg/Kg-dr	20	5/8/2019 2:38:13 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	12	11		mg/Kg-dr	1	5/6/2019 7:39:54 PM	44646
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/6/2019 7:39:54 PM	44646
Surr: DNOP	99.7	70-130		%Rec	1	5/6/2019 7:39:54 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/9/2019 6:08:31 AM	44697
Surr: BFB	92.8	73.8-119		%Rec	1	5/9/2019 6:08:31 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 6:08:31 AM	44697
Toluene	ND	0.054		mg/Kg-dr	1	5/9/2019 6:08:31 AM	44697
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/9/2019 6:08:31 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 6:08:31 AM	44697
Surr: 4-Bromofluorobenzene	89.0	80-120		%Rec	1	5/9/2019 6:08:31 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-135 **Matrix:** SOIL

Client Sample ID: SA-086
Collection Date: 4/29/2019 11:00:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	11	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	67		mg/Kg-dr	20	5/8/2019 2:50:38 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 8:02:21 PM	44646
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/6/2019 8:02:21 PM	44646
Surr: DNOP	99.1	70-130		%Rec	1	5/6/2019 8:02:21 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/9/2019 6:31:15 AM	44697
Surr: BFB	93.2	73.8-119		%Rec	1	5/9/2019 6:31:15 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 6:31:15 AM	44697
Toluene	ND	0.055		mg/Kg-dr	1	5/9/2019 6:31:15 AM	44697
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/9/2019 6:31:15 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 6:31:15 AM	44697
Surr: 4-Bromofluorobenzene	87.7	80-120		%Rec	1	5/9/2019 6:31:15 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-136 **Matrix:** SOIL

Client Sample ID: SA-087
Collection Date: 4/29/2019 10:46:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	9.3	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	66		mg/Kg-dr	20	5/6/2019 3:03:02 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 8:24:41 PM	44646
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/6/2019 8:24:41 PM	44646
Surr: DNOP	102	70-130		%Rec	1	5/6/2019 8:24:41 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/9/2019 6:53:50 AM	44697
Surr: BFB	97.4	73.8-119		%Rec	1	5/9/2019 6:53:50 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 6:53:50 AM	44697
Toluene	ND	0.053		mg/Kg-dr	1	5/9/2019 6:53:50 AM	44697
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/9/2019 6:53:50 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 6:53:50 AM	44697
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	5/9/2019 6:53:50 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-137 **Matrix:** SOIL

Client Sample ID: SA-088
Collection Date: 4/29/2019 10:32:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	9.8	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	67		mg/Kg-dr	20	5/8/2019 3:40:16 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/6/2019 8:47:02 PM	44646
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	5/6/2019 8:47:02 PM	44646
Surr: DNOP	105	70-130		%Rec	1	5/6/2019 8:47:02 PM	44646
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/9/2019 7:16:21 AM	44697
Surr: BFB	97.4	73.8-119		%Rec	1	5/9/2019 7:16:21 AM	44697
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 7:16:21 AM	44697
Toluene	ND	0.055		mg/Kg-dr	1	5/9/2019 7:16:21 AM	44697
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/9/2019 7:16:21 AM	44697
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 7:16:21 AM	44697
Surr: 4-Bromofluorobenzene	92.6	80-120		%Rec	1	5/9/2019 7:16:21 AM	44697

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 1905003
Date Reported: 5/14/2019

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-138 **Matrix:** SOIL

Client Sample ID: SA-089
Collection Date: 4/29/2019 10:34:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	7.5	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	65		mg/Kg-dr	20	5/8/2019 3:52:41 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 12:54:01 PM	44647
Motor Oil Range Organics (MRO)	ND	54		mg/Kg-dr	1	5/6/2019 12:54:01 PM	44647
Surr: DNOP	104	70-130		%Rec	1	5/6/2019 12:54:01 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/9/2019 6:06:45 PM	44698
Surr: BFB	89.6	73.8-119		%Rec	1	5/9/2019 6:06:45 PM	44698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 6:06:45 PM	44698
Toluene	ND	0.053		mg/Kg-dr	1	5/9/2019 6:06:45 PM	44698
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/9/2019 6:06:45 PM	44698
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 6:06:45 PM	44698
Surr: 4-Bromofluorobenzene	90.9	80-120		%Rec	1	5/9/2019 6:06:45 PM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-139 **Matrix:** SOIL

Client Sample ID: SA-090
Collection Date: 4/29/2019 10:22:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	11	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	67		mg/Kg-dr	20	5/8/2019 4:05:06 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	24	10		mg/Kg-dr	1	5/6/2019 2:11:06 PM	44647
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	5/6/2019 2:11:06 PM	44647
Surr: DNOP	107	70-130		%Rec	1	5/6/2019 2:11:06 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/9/2019 7:14:32 PM	44698
Surr: BFB	90.1	73.8-119		%Rec	1	5/9/2019 7:14:32 PM	44698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.028		mg/Kg-dr	1	5/9/2019 7:14:32 PM	44698
Toluene	ND	0.056		mg/Kg-dr	1	5/9/2019 7:14:32 PM	44698
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/9/2019 7:14:32 PM	44698
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 7:14:32 PM	44698
Surr: 4-Bromofluorobenzene	93.3	80-120		%Rec	1	5/9/2019 7:14:32 PM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-140 **Matrix:** SOIL

Client Sample ID: SA-091
Collection Date: 4/29/2019 10:07:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	4.6	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	63		mg/Kg-dr	20	5/8/2019 4:17:31 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/6/2019 3:02:48 PM	44647
Motor Oil Range Organics (MRO)	ND	51		mg/Kg-dr	1	5/6/2019 3:02:48 PM	44647
Surr: DNOP	112	70-130		%Rec	1	5/6/2019 3:02:48 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	5/9/2019 8:22:26 PM	44698
Surr: BFB	89.0	73.8-119		%Rec	1	5/9/2019 8:22:26 PM	44698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg-dr	1	5/9/2019 8:22:26 PM	44698
Toluene	ND	0.052		mg/Kg-dr	1	5/9/2019 8:22:26 PM	44698
Ethylbenzene	ND	0.052		mg/Kg-dr	1	5/9/2019 8:22:26 PM	44698
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/9/2019 8:22:26 PM	44698
Surr: 4-Bromofluorobenzene	89.7	80-120		%Rec	1	5/9/2019 8:22:26 PM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-141 **Matrix:** SOIL

Client Sample ID: SA-092
Collection Date: 4/29/2019 10:08:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	8.8	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	150	66		mg/Kg-dr	20	5/8/2019 4:29:55 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 3:27:11 PM	44647
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/6/2019 3:27:11 PM	44647
Surr: DNOP	110	70-130		%Rec	1	5/6/2019 3:27:11 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/9/2019 8:45:03 PM	44698
Surr: BFB	87.7	73.8-119		%Rec	1	5/9/2019 8:45:03 PM	44698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 8:45:03 PM	44698
Toluene	ND	0.055		mg/Kg-dr	1	5/9/2019 8:45:03 PM	44698
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/9/2019 8:45:03 PM	44698
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 8:45:03 PM	44698
Surr: 4-Bromofluorobenzene	88.1	80-120		%Rec	1	5/9/2019 8:45:03 PM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-142 **Matrix:** SOIL

Client Sample ID: SA-093
Collection Date: 4/29/2019 9:55:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	4.0	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	180	62		mg/Kg-dr	20	5/8/2019 5:07:09 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	19	10		mg/Kg-dr	1	5/6/2019 3:51:31 PM	44647
Motor Oil Range Organics (MRO)	ND	51		mg/Kg-dr	1	5/6/2019 3:51:31 PM	44647
Surr: DNOP	128	70-130		%Rec	1	5/6/2019 3:51:31 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	5/9/2019 9:07:40 PM	44698
Surr: BFB	88.0	73.8-119		%Rec	1	5/9/2019 9:07:40 PM	44698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg-dr	1	5/9/2019 9:07:40 PM	44698
Toluene	ND	0.052		mg/Kg-dr	1	5/9/2019 9:07:40 PM	44698
Ethylbenzene	ND	0.052		mg/Kg-dr	1	5/9/2019 9:07:40 PM	44698
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/9/2019 9:07:40 PM	44698
Surr: 4-Bromofluorobenzene	90.5	80-120		%Rec	1	5/9/2019 9:07:40 PM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-143 **Matrix:** SOIL

Client Sample ID: SA-094
Collection Date: 4/29/2019 9:41:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	6.5	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	82	64		mg/Kg-dr	20	5/8/2019 5:19:34 PM	44781
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	24	10		mg/Kg-dr	1	5/6/2019 4:16:01 PM	44647
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	5/6/2019 4:16:01 PM	44647
Surr: DNOP	111	70-130		%Rec	1	5/6/2019 4:16:01 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	5/9/2019 9:30:19 PM	44698
Surr: BFB	88.1	73.8-119		%Rec	1	5/9/2019 9:30:19 PM	44698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg-dr	1	5/9/2019 9:30:19 PM	44698
Toluene	ND	0.052		mg/Kg-dr	1	5/9/2019 9:30:19 PM	44698
Ethylbenzene	ND	0.052		mg/Kg-dr	1	5/9/2019 9:30:19 PM	44698
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/9/2019 9:30:19 PM	44698
Surr: 4-Bromofluorobenzene	88.9	80-120		%Rec	1	5/9/2019 9:30:19 PM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-144 **Matrix:** SOIL

Client Sample ID: SA-095
Collection Date: 4/29/2019 9:48:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	14	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	110	70		mg/Kg-dr	20	5/8/2019 7:13:57 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 4:40:20 PM	44647
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	5/6/2019 4:40:20 PM	44647
Surr: DNOP	109	70-130		%Rec	1	5/6/2019 4:40:20 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/9/2019 9:52:58 PM	44698
Surr: BFB	89.7	73.8-119		%Rec	1	5/9/2019 9:52:58 PM	44698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 9:52:58 PM	44698
Toluene	ND	0.055		mg/Kg-dr	1	5/9/2019 9:52:58 PM	44698
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/9/2019 9:52:58 PM	44698
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 9:52:58 PM	44698
Surr: 4-Bromofluorobenzene	91.3	80-120		%Rec	1	5/9/2019 9:52:58 PM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-145 **Matrix:** SOIL

Client Sample ID: SA-096
Collection Date: 4/29/2019 9:26:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	12	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	130	68		mg/Kg-dr	20	5/8/2019 7:26:22 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 5:04:43 PM	44647
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	5/6/2019 5:04:43 PM	44647
Surr: DNOP	111	70-130		%Rec	1	5/6/2019 5:04:43 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/9/2019 10:15:46 PM	44698
Surr: BFB	87.4	73.8-119		%Rec	1	5/9/2019 10:15:46 PM	44698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 10:15:46 PM	44698
Toluene	ND	0.054		mg/Kg-dr	1	5/9/2019 10:15:46 PM	44698
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/9/2019 10:15:46 PM	44698
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 10:15:46 PM	44698
Surr: 4-Bromofluorobenzene	88.9	80-120		%Rec	1	5/9/2019 10:15:46 PM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-146 **Matrix:** SOIL

Client Sample ID: SA-097
Collection Date: 4/29/2019 9:15:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE							Analyst: **DJF**
Percent Moisture	9.7	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS							Analyst: **MRA**
Chloride	ND	66		mg/Kg-dr	20	5/8/2019 7:38:47 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **TOM**
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 5:29:11 PM	44647
Motor Oil Range Organics (MRO)	ND	54		mg/Kg-dr	1	5/6/2019 5:29:11 PM	44647
Surr: DNOP	110	70-130		%Rec	1	5/6/2019 5:29:11 PM	44647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/9/2019 10:38:31 PM	44698
Surr: BFB	86.5	73.8-119		%Rec	1	5/9/2019 10:38:31 PM	44698
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.027		mg/Kg-dr	1	5/9/2019 10:38:31 PM	44698
Toluene	ND	0.054		mg/Kg-dr	1	5/9/2019 10:38:31 PM	44698
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/9/2019 10:38:31 PM	44698
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/9/2019 10:38:31 PM	44698
Surr: 4-Bromofluorobenzene	88.0	80-120		%Rec	1	5/9/2019 10:38:31 PM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-147 **Matrix:** SOIL

Client Sample ID: SA-098
Collection Date: 4/29/2019 9:24:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	7.4	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	64		mg/Kg-dr	20	5/8/2019 7:51:11 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 5:53:45 PM	44647
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/6/2019 5:53:45 PM	44647
Surr: DNOP	108	70-130		%Rec	1	5/6/2019 5:53:45 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg-dr	1	5/9/2019 11:01:18 PM	44698
Surr: BFB	89.9	73.8-119		%Rec	1	5/9/2019 11:01:18 PM	44698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg-dr	1	5/9/2019 11:01:18 PM	44698
Toluene	ND	0.051		mg/Kg-dr	1	5/9/2019 11:01:18 PM	44698
Ethylbenzene	ND	0.051		mg/Kg-dr	1	5/9/2019 11:01:18 PM	44698
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/9/2019 11:01:18 PM	44698
Surr: 4-Bromofluorobenzene	91.0	80-120		%Rec	1	5/9/2019 11:01:18 PM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-148 **Matrix:** SOIL

Client Sample ID: SA-099
Collection Date: 4/29/2019 9:05:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	6.4	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	64		mg/Kg-dr	20	5/8/2019 8:03:35 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 6:18:13 PM	44647
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/6/2019 6:18:13 PM	44647
Surr: DNOP	119	70-130		%Rec	1	5/6/2019 6:18:13 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg-dr	1	5/10/2019 12:09:47 AM	44698
Surr: BFB	87.2	73.8-119		%Rec	1	5/10/2019 12:09:47 AM	44698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg-dr	1	5/10/2019 12:09:47 AM	44698
Toluene	ND	0.051		mg/Kg-dr	1	5/10/2019 12:09:47 AM	44698
Ethylbenzene	ND	0.051		mg/Kg-dr	1	5/10/2019 12:09:47 AM	44698
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/10/2019 12:09:47 AM	44698
Surr: 4-Bromofluorobenzene	88.3	80-120		%Rec	1	5/10/2019 12:09:47 AM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-149 **Matrix:** SOIL

Client Sample ID: SA-100
Collection Date: 4/29/2019 9:00:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **DJF**	
Percent Moisture	10	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	120	67		mg/Kg-dr	20	5/8/2019 8:16:00 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	14	11		mg/Kg-dr	1	5/6/2019 6:42:47 PM	44647
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/6/2019 6:42:47 PM	44647
Surr: DNOP	109	70-130		%Rec	1	5/6/2019 6:42:47 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/10/2019 12:32:34 AM	44698
Surr: BFB	86.6	73.8-119		%Rec	1	5/10/2019 12:32:34 AM	44698
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/10/2019 12:32:34 AM	44698
Toluene	ND	0.053		mg/Kg-dr	1	5/10/2019 12:32:34 AM	44698
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/10/2019 12:32:34 AM	44698
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/10/2019 12:32:34 AM	44698
Surr: 4-Bromofluorobenzene	87.4	80-120		%Rec	1	5/10/2019 12:32:34 AM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-150 **Matrix:** SOIL

Client Sample ID: SA-101
Collection Date: 4/29/2019 8:55:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE							Analyst: **DJF**
Percent Moisture	7.0	1.0		wt%	1	5/2/2019	R59615
EPA METHOD 300.0: ANIONS							Analyst: **MRA**
Chloride	ND	65		mg/Kg-dr	20	5/8/2019 8:28:24 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **TOM**
Diesel Range Organics (DRO)	13	9.8		mg/Kg-dr	1	5/6/2019 7:07:20 PM	44647
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	5/6/2019 7:07:20 PM	44647
Surr: DNOP	94.5	70-130		%Rec	1	5/6/2019 7:07:20 PM	44647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/10/2019 12:55:19 AM	44698
Surr: BFB	85.1	73.8-119		%Rec	1	5/10/2019 12:55:19 AM	44698
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.026		mg/Kg-dr	1	5/10/2019 12:55:19 AM	44698
Toluene	ND	0.053		mg/Kg-dr	1	5/10/2019 12:55:19 AM	44698
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/10/2019 12:55:19 AM	44698
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/10/2019 12:55:19 AM	44698
Surr: 4-Bromofluorobenzene	82.6	80-120		%Rec	1	5/10/2019 12:55:19 AM	44698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-151 **Matrix:** SOIL

Client Sample ID: SA-102
Collection Date: 4/29/2019 8:35:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	7.0	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	120	65		mg/Kg-dr	20	5/8/2019 9:05:37 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	33	9.9		mg/Kg-dr	1	5/6/2019 7:31:53 PM	44647
Motor Oil Range Organics (MRO)	ND	50		mg/Kg-dr	1	5/6/2019 7:31:53 PM	44647
Surr: DNOP	117	70-130		%Rec	1	5/6/2019 7:31:53 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	5/8/2019 6:34:23 PM	44705
Surr: BFB	95.0	73.8-119		%Rec	1	5/8/2019 6:34:23 PM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg-dr	1	5/8/2019 6:34:23 PM	44705
Toluene	ND	0.052		mg/Kg-dr	1	5/8/2019 6:34:23 PM	44705
Ethylbenzene	ND	0.052		mg/Kg-dr	1	5/8/2019 6:34:23 PM	44705
Xylenes, Total	ND	0.10		mg/Kg-dr	1	5/8/2019 6:34:23 PM	44705
Surr: 4-Bromofluorobenzene	94.8	80-120		%Rec	1	5/8/2019 6:34:23 PM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-152 **Matrix:** SOIL

Client Sample ID: SA-103
Collection Date: 4/29/2019 8:45:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	8.9	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	66		mg/Kg-dr	20	5/8/2019 9:42:51 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	42	11		mg/Kg-dr	1	5/6/2019 7:56:23 PM	44647
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/6/2019 7:56:23 PM	44647
Surr: DNOP	118	70-130		%Rec	1	5/6/2019 7:56:23 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg-dr	1	5/8/2019 7:44:18 PM	44705
Surr: BFB	97.8	73.8-119		%Rec	1	5/8/2019 7:44:18 PM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/8/2019 7:44:18 PM	44705
Toluene	ND	0.053		mg/Kg-dr	1	5/8/2019 7:44:18 PM	44705
Ethylbenzene	ND	0.053		mg/Kg-dr	1	5/8/2019 7:44:18 PM	44705
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 7:44:18 PM	44705
Surr: 4-Bromofluorobenzene	97.1	80-120		%Rec	1	5/8/2019 7:44:18 PM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-153 **Matrix:** SOIL

Client Sample ID: SA-104
Collection Date: 4/29/2019 5:43:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE							Analyst: **JMR**
Percent Moisture	10	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS							Analyst: **MRA**
Chloride	ND	67		mg/Kg-dr	20	5/8/2019 9:55:15 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **TOM**
Diesel Range Organics (DRO)	190	11		mg/Kg-dr	1	5/6/2019 8:21:00 PM	44647
Motor Oil Range Organics (MRO)	120	55		mg/Kg-dr	1	5/6/2019 8:21:00 PM	44647
Surr: DNOP	117	70-130		%Rec	1	5/6/2019 8:21:00 PM	44647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/8/2019 8:54:13 PM	44705
Surr: BFB	97.8	73.8-119		%Rec	1	5/8/2019 8:54:13 PM	44705
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.027		mg/Kg-dr	1	5/8/2019 8:54:13 PM	44705
Toluene	ND	0.055		mg/Kg-dr	1	5/8/2019 8:54:13 PM	44705
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/8/2019 8:54:13 PM	44705
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 8:54:13 PM	44705
Surr: 4-Bromofluorobenzene	94.2	80-120		%Rec	1	5/8/2019 8:54:13 PM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-154 **Matrix:** SOIL

Client Sample ID: SA-A
Collection Date: 4/29/2019 9:05:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	12	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	120	68		mg/Kg-dr	20	5/8/2019 10:07:40 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	16	11		mg/Kg-dr	1	5/6/2019 8:45:31 PM	44647
Motor Oil Range Organics (MRO)	ND	56		mg/Kg-dr	1	5/6/2019 8:45:31 PM	44647
Surr: DNOP	122	70-130		%Rec	1	5/6/2019 8:45:31 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/8/2019 9:17:35 PM	44705
Surr: BFB	98.5	73.8-119		%Rec	1	5/8/2019 9:17:35 PM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.028		mg/Kg-dr	1	5/8/2019 9:17:35 PM	44705
Toluene	ND	0.055		mg/Kg-dr	1	5/8/2019 9:17:35 PM	44705
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/8/2019 9:17:35 PM	44705
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 9:17:35 PM	44705
Surr: 4-Bromofluorobenzene	96.6	80-120		%Rec	1	5/8/2019 9:17:35 PM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-155 **Matrix:** SOIL

Client Sample ID: SA-B
Collection Date: 4/29/2019 11:53:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	11	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	67		mg/Kg-dr	20	5/8/2019 10:20:05 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 9:09:56 PM	44647
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/6/2019 9:09:56 PM	44647
Surr: DNOP	120	70-130		%Rec	1	5/6/2019 9:09:56 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/8/2019 9:40:56 PM	44705
Surr: BFB	98.3	73.8-119		%Rec	1	5/8/2019 9:40:56 PM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/8/2019 9:40:56 PM	44705
Toluene	ND	0.054		mg/Kg-dr	1	5/8/2019 9:40:56 PM	44705
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/8/2019 9:40:56 PM	44705
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 9:40:56 PM	44705
Surr: 4-Bromofluorobenzene	98.5	80-120		%Rec	1	5/8/2019 9:40:56 PM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-156 **Matrix:** SOIL

Client Sample ID: SA-C
Collection Date: 4/29/2019 1:53:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	17	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	72		mg/Kg-dr	20	5/8/2019 10:32:30 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	250	11		mg/Kg-dr	1	5/6/2019 9:34:24 PM	44647
Motor Oil Range Organics (MRO)	89	55		mg/Kg-dr	1	5/6/2019 9:34:24 PM	44647
Surr: DNOP	101	70-130		%Rec	1	5/6/2019 9:34:24 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	5/8/2019 10:04:17 PM	44705
Surr: BFB	106	73.8-119		%Rec	1	5/8/2019 10:04:17 PM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.029		mg/Kg-dr	1	5/8/2019 10:04:17 PM	44705
Toluene	ND	0.059		mg/Kg-dr	1	5/8/2019 10:04:17 PM	44705
Ethylbenzene	ND	0.059		mg/Kg-dr	1	5/8/2019 10:04:17 PM	44705
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/8/2019 10:04:17 PM	44705
Surr: 4-Bromofluorobenzene	94.7	80-120		%Rec	1	5/8/2019 10:04:17 PM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-157 **Matrix:** SOIL

Client Sample ID: SA-D
Collection Date: 4/29/2019 3:05:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	8.6	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	66		mg/Kg-dr	20	5/8/2019 11:09:45 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 9:59:07 PM	44647
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	5/6/2019 9:59:07 PM	44647
Surr: DNOP	96.0	70-130		%Rec	1	5/6/2019 9:59:07 PM	44647
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/8/2019 10:27:39 PM	44705
Surr: BFB	106	73.8-119		%Rec	1	5/8/2019 10:27:39 PM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/8/2019 10:27:39 PM	44705
Toluene	ND	0.054		mg/Kg-dr	1	5/8/2019 10:27:39 PM	44705
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/8/2019 10:27:39 PM	44705
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 10:27:39 PM	44705
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	5/8/2019 10:27:39 PM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-158 **Matrix:** SOIL

Client Sample ID: SA-E
Collection Date: 4/29/2019 4:07:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	15	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	71		mg/Kg-dr	20	5/8/2019 11:22:09 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 9:24:01 AM	44648
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/6/2019 9:24:01 AM	44648
Surr: DNOP	89.9	70-130		%Rec	1	5/6/2019 9:24:01 AM	44648
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/8/2019 10:51:03 PM	44705
Surr: BFB	97.6	73.8-119		%Rec	1	5/8/2019 10:51:03 PM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.029		mg/Kg-dr	1	5/8/2019 10:51:03 PM	44705
Toluene	ND	0.058		mg/Kg-dr	1	5/8/2019 10:51:03 PM	44705
Ethylbenzene	ND	0.058		mg/Kg-dr	1	5/8/2019 10:51:03 PM	44705
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/8/2019 10:51:03 PM	44705
Surr: 4-Bromofluorobenzene	97.2	80-120		%Rec	1	5/8/2019 10:51:03 PM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-159 **Matrix:** SOIL

Client Sample ID: SA-082
Collection Date: 4/30/2019 1:40:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	8.0	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	210	65		mg/Kg-dr	20	5/8/2019 11:34:34 PM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	5/6/2019 3:34:33 PM	44648
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	5/6/2019 3:34:33 PM	44648
Surr: DNOP	94.6	70-130		%Rec	1	5/6/2019 3:34:33 PM	44648
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	5/8/2019 11:14:25 PM	44705
Surr: BFB	96.7	73.8-119		%Rec	1	5/8/2019 11:14:25 PM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/8/2019 11:14:25 PM	44705
Toluene	ND	0.054		mg/Kg-dr	1	5/8/2019 11:14:25 PM	44705
Ethylbenzene	ND	0.054		mg/Kg-dr	1	5/8/2019 11:14:25 PM	44705
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 11:14:25 PM	44705
Surr: 4-Bromofluorobenzene	95.6	80-120		%Rec	1	5/8/2019 11:14:25 PM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-160 **Matrix:** SOIL

Client Sample ID: SA-063
Collection Date: 4/30/2019 1:50:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	13	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	69		mg/Kg-dr	20	5/9/2019 12:11:48 AM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 3:58:47 PM	44648
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	5/6/2019 3:58:47 PM	44648
Surr: DNOP	94.4	70-130		%Rec	1	5/6/2019 3:58:47 PM	44648
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg-dr	1	5/8/2019 11:37:45 PM	44705
Surr: BFB	103	73.8-119		%Rec	1	5/8/2019 11:37:45 PM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	5/8/2019 11:37:45 PM	44705
Toluene	ND	0.055		mg/Kg-dr	1	5/8/2019 11:37:45 PM	44705
Ethylbenzene	ND	0.055		mg/Kg-dr	1	5/8/2019 11:37:45 PM	44705
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/8/2019 11:37:45 PM	44705
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	5/8/2019 11:37:45 PM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-161 **Matrix:** SOIL

Client Sample ID: GR-01
Collection Date: 4/29/2019 11:12:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	20	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	75		mg/Kg-dr	20	5/9/2019 12:24:12 AM	44802
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/6/2019 4:23:05 PM	44648
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dr	1	5/6/2019 4:23:05 PM	44648
Surr: DNOP	92.3	70-130		%Rec	1	5/6/2019 4:23:05 PM	44648
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg-dr	1	5/9/2019 1:35:26 AM	44705
Surr: BFB	96.2	73.8-119		%Rec	1	5/9/2019 1:35:26 AM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.030		mg/Kg-dr	1	5/9/2019 1:35:26 AM	44705
Toluene	ND	0.060		mg/Kg-dr	1	5/9/2019 1:35:26 AM	44705
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/9/2019 1:35:26 AM	44705
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/9/2019 1:35:26 AM	44705
Surr: 4-Bromofluorobenzene	95.1	80-120		%Rec	1	5/9/2019 1:35:26 AM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-162 **Matrix:** SOIL

Client Sample ID: GR-02
Collection Date: 4/29/2019 11:18:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	21	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	90	76		mg/Kg-dr	20	5/9/2019 2:34:37 PM	44822
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/6/2019 4:47:17 PM	44648
Motor Oil Range Organics (MRO)	ND	61		mg/Kg-dr	1	5/6/2019 4:47:17 PM	44648
Surr: DNOP	94.6	70-130		%Rec	1	5/6/2019 4:47:17 PM	44648
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.2		mg/Kg-dr	1	5/9/2019 1:58:55 AM	44705
Surr: BFB	104	73.8-119		%Rec	1	5/9/2019 1:58:55 AM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.031		mg/Kg-dr	1	5/9/2019 1:58:55 AM	44705
Toluene	ND	0.062		mg/Kg-dr	1	5/9/2019 1:58:55 AM	44705
Ethylbenzene	ND	0.062		mg/Kg-dr	1	5/9/2019 1:58:55 AM	44705
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/9/2019 1:58:55 AM	44705
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	5/9/2019 1:58:55 AM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-163 **Matrix:** SOIL

Client Sample ID: GR-03
Collection Date: 4/29/2019 11:20:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	23	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	160	77		mg/Kg-dr	20	5/9/2019 3:36:38 PM	44822
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg-dr	1	5/6/2019 5:11:35 PM	44648
Motor Oil Range Organics (MRO)	ND	64		mg/Kg-dr	1	5/6/2019 5:11:35 PM	44648
Surr: DNOP	92.5	70-130		%Rec	1	5/6/2019 5:11:35 PM	44648
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.3		mg/Kg-dr	1	5/9/2019 2:22:24 AM	44705
Surr: BFB	98.6	73.8-119		%Rec	1	5/9/2019 2:22:24 AM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.032		mg/Kg-dr	1	5/9/2019 2:22:24 AM	44705
Toluene	ND	0.063		mg/Kg-dr	1	5/9/2019 2:22:24 AM	44705
Ethylbenzene	ND	0.063		mg/Kg-dr	1	5/9/2019 2:22:24 AM	44705
Xylenes, Total	ND	0.13		mg/Kg-dr	1	5/9/2019 2:22:24 AM	44705
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	5/9/2019 2:22:24 AM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-164 **Matrix:** SOIL

Client Sample ID: GR-04
Collection Date: 4/29/2019 11:24:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	23	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	79		mg/Kg-dr	20	5/9/2019 3:49:02 PM	44822
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/6/2019 5:36:13 PM	44648
Motor Oil Range Organics (MRO)	ND	62		mg/Kg-dr	1	5/6/2019 5:36:13 PM	44648
Surr: DNOP	95.4	70-130		%Rec	1	5/6/2019 5:36:13 PM	44648
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.4		mg/Kg-dr	1	5/9/2019 2:46:07 AM	44705
Surr: BFB	98.3	73.8-119		%Rec	1	5/9/2019 2:46:07 AM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.032		mg/Kg-dr	1	5/9/2019 2:46:07 AM	44705
Toluene	ND	0.064		mg/Kg-dr	1	5/9/2019 2:46:07 AM	44705
Ethylbenzene	ND	0.064		mg/Kg-dr	1	5/9/2019 2:46:07 AM	44705
Xylenes, Total	ND	0.13		mg/Kg-dr	1	5/9/2019 2:46:07 AM	44705
Surr: 4-Bromofluorobenzene	98.6	80-120		%Rec	1	5/9/2019 2:46:07 AM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-165 **Matrix:** SOIL

Client Sample ID: GR-05
Collection Date: 4/29/2019 11:26:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	20	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	75		mg/Kg-dr	20	5/9/2019 4:01:27 PM	44822
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/6/2019 6:01:00 PM	44648
Motor Oil Range Organics (MRO)	ND	61		mg/Kg-dr	1	5/6/2019 6:01:00 PM	44648
Surr: DNOP	94.9	70-130		%Rec	1	5/6/2019 6:01:00 PM	44648
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.1		mg/Kg-dr	1	5/9/2019 3:09:45 AM	44705
Surr: BFB	96.4	73.8-119		%Rec	1	5/9/2019 3:09:45 AM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.030		mg/Kg-dr	1	5/9/2019 3:09:45 AM	44705
Toluene	ND	0.061		mg/Kg-dr	1	5/9/2019 3:09:45 AM	44705
Ethylbenzene	ND	0.061		mg/Kg-dr	1	5/9/2019 3:09:45 AM	44705
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/9/2019 3:09:45 AM	44705
Surr: 4-Bromofluorobenzene	97.2	80-120		%Rec	1	5/9/2019 3:09:45 AM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-166 **Matrix:** SOIL

Client Sample ID: GR-06
Collection Date: 4/29/2019 11:28:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	17	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	72		mg/Kg-dr	20	5/9/2019 3:44:39 PM	44826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/6/2019 6:25:50 PM	44648
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	5/6/2019 6:25:50 PM	44648
Surr: DNOP	91.7	70-130		%Rec	1	5/6/2019 6:25:50 PM	44648
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg-dr	1	5/9/2019 3:33:17 AM	44705
Surr: BFB	95.3	73.8-119		%Rec	1	5/9/2019 3:33:17 AM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.030		mg/Kg-dr	1	5/9/2019 3:33:17 AM	44705
Toluene	ND	0.060		mg/Kg-dr	1	5/9/2019 3:33:17 AM	44705
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/9/2019 3:33:17 AM	44705
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/9/2019 3:33:17 AM	44705
Surr: 4-Bromofluorobenzene	93.9	80-120		%Rec	1	5/9/2019 3:33:17 AM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-167 **Matrix:** SOIL

Client Sample ID: GR-07
Collection Date: 4/29/2019 11:30:00 AM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	5.9	1.0		wt%	1	5/3/2019	R59661
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	64		mg/Kg-dr	20	5/9/2019 3:57:04 PM	44826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	4400	99		mg/Kg-dr	10	5/6/2019 9:48:09 AM	44648
Motor Oil Range Organics (MRO)	1500	500		mg/Kg-dr	10	5/6/2019 9:48:09 AM	44648
Surr: DNOP	0	70-130	S	%Rec	10	5/6/2019 9:48:09 AM	44648
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	46	5.3		mg/Kg-dr	1	5/9/2019 3:56:40 AM	44705
Surr: BFB	409	73.8-119	S	%Rec	1	5/9/2019 3:56:40 AM	44705
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg-dr	1	5/9/2019 3:56:40 AM	44705
Toluene	0.11	0.053		mg/Kg-dr	1	5/9/2019 3:56:40 AM	44705
Ethylbenzene	0.27	0.053		mg/Kg-dr	1	5/9/2019 3:56:40 AM	44705
Xylenes, Total	2.2	0.11		mg/Kg-dr	1	5/9/2019 3:56:40 AM	44705
Surr: 4-Bromofluorobenzene	116	80-120		%Rec	1	5/9/2019 3:56:40 AM	44705

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-168
Matrix: AQUEOUS
Client Sample ID: RB-042919
Collection Date: 4/29/2019 3:48:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/7/2019 6:11:49 PM	SL59712
Toluene	ND	1.0		µg/L	1	5/7/2019 6:11:49 PM	SL59712
Ethylbenzene	ND	1.0		µg/L	1	5/7/2019 6:11:49 PM	SL59712
Xylenes, Total	ND	1.5		µg/L	1	5/7/2019 6:11:49 PM	SL59712
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%Rec	1	5/7/2019 6:11:49 PM	SL59712
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	5/7/2019 6:11:49 PM	SL59712
Surr: Dibromofluoromethane	109	70-130		%Rec	1	5/7/2019 6:11:49 PM	SL59712
Surr: Toluene-d8	93.1	70-130		%Rec	1	5/7/2019 6:11:49 PM	SL59712

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-169 **Matrix:** AQUEOUS

Client Sample ID: FB-042919
Collection Date: 4/29/2019 5:35:00 PM
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/7/2019 7:37:34 PM	SL59712
Toluene	ND	1.0		µg/L	1	5/7/2019 7:37:34 PM	SL59712
Ethylbenzene	ND	1.0		µg/L	1	5/7/2019 7:37:34 PM	SL59712
Xylenes, Total	ND	1.5		µg/L	1	5/7/2019 7:37:34 PM	SL59712
Surr: 1,2-Dichloroethane-d4	92.0	70-130		%Rec	1	5/7/2019 7:37:34 PM	SL59712
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	5/7/2019 7:37:34 PM	SL59712
Surr: Dibromofluoromethane	108	70-130		%Rec	1	5/7/2019 7:37:34 PM	SL59712
Surr: Toluene-d8	91.4	70-130		%Rec	1	5/7/2019 7:37:34 PM	SL59712

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-170 **Matrix:** AQUEOUS

Client Sample ID: Trip Blank
Collection Date:
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: **RAA**
Benzene	ND	1.0	P	µg/L	1	5/7/2019 8:06:15 PM	SL59712
Toluene	ND	1.0	P	µg/L	1	5/7/2019 8:06:15 PM	SL59712
Ethylbenzene	ND	1.0	P	µg/L	1	5/7/2019 8:06:15 PM	SL59712
Xylenes, Total	ND	1.5	P	µg/L	1	5/7/2019 8:06:15 PM	SL59712
Surr: 1,2-Dichloroethane-d4	89.2	70-130	P	%Rec	1	5/7/2019 8:06:15 PM	SL59712
Surr: 4-Bromofluorobenzene	96.3	70-130	P	%Rec	1	5/7/2019 8:06:15 PM	SL59712
Surr: Dibromofluoromethane	107	70-130	P	%Rec	1	5/7/2019 8:06:15 PM	SL59712
Surr: Toluene-d8	91.6	70-130	P	%Rec	1	5/7/2019 8:06:15 PM	SL59712

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-171

Client Sample ID: Trip Blank
Collection Date:
Matrix: AQUEOUS
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	5/7/2019 8:34:53 PM	SL59712
Toluene	ND	1.0		µg/L	1	5/7/2019 8:34:53 PM	SL59712
Ethylbenzene	ND	1.0		µg/L	1	5/7/2019 8:34:53 PM	SL59712
Xylenes, Total	ND	1.5		µg/L	1	5/7/2019 8:34:53 PM	SL59712
Surr: 1,2-Dichloroethane-d4	92.6	70-130		%Rec	1	5/7/2019 8:34:53 PM	SL59712
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	5/7/2019 8:34:53 PM	SL59712
Surr: Dibromofluoromethane	107	70-130		%Rec	1	5/7/2019 8:34:53 PM	SL59712
Surr: Toluene-d8	91.1	70-130		%Rec	1	5/7/2019 8:34:53 PM	SL59712

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1905003**
Date Reported: **5/14/2019**

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1905003-172 **Matrix:** AQUEOUS

Client Sample ID: Trip Blank
Collection Date:
Received Date: 5/1/2019 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/7/2019 9:03:26 PM	SL59712
Toluene	ND	1.0		µg/L	1	5/7/2019 9:03:26 PM	SL59712
Ethylbenzene	ND	1.0		µg/L	1	5/7/2019 9:03:26 PM	SL59712
Xylenes, Total	ND	1.5		µg/L	1	5/7/2019 9:03:26 PM	SL59712
Surr: 1,2-Dichloroethane-d4	89.7	70-130		%Rec	1	5/7/2019 9:03:26 PM	SL59712
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	5/7/2019 9:03:26 PM	SL59712
Surr: Dibromofluoromethane	104	70-130		%Rec	1	5/7/2019 9:03:26 PM	SL59712
Surr: Toluene-d8	91.6	70-130		%Rec	1	5/7/2019 9:03:26 PM	SL59712

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: MB-44678	SampType: MBLK	TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 44678	RunNo: 59589							
Prep Date: 5/2/2019	Analysis Date: 5/2/2019	SeqNo: 2009347	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44678	SampType: LCS	TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 44678	RunNo: 59589							
Prep Date: 5/2/2019	Analysis Date: 5/2/2019	SeqNo: 2009348	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.6	90	110			

Sample ID: MB-44699	SampType: MBLK	TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 44699	RunNo: 59589							
Prep Date: 5/2/2019	Analysis Date: 5/2/2019	SeqNo: 2009383	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44699	SampType: LCS	TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 44699	RunNo: 59589							
Prep Date: 5/2/2019	Analysis Date: 5/2/2019	SeqNo: 2009384	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.8	90	110			

Sample ID: MB-44680	SampType: MBLK	TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 44680	RunNo: 59616							
Prep Date: 5/2/2019	Analysis Date: 5/2/2019	SeqNo: 2009780	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44680	SampType: LCS	TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 44680	RunNo: 59616							
Prep Date: 5/2/2019	Analysis Date: 5/2/2019	SeqNo: 2009781	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: MB-44703	SampType: MBLK	TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 44703	RunNo: 59642							
Prep Date: 5/3/2019	Analysis Date: 5/3/2019	SeqNo: 2010565	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44703	SampType: LCS	TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 44703	RunNo: 59642							
Prep Date: 5/3/2019	Analysis Date: 5/3/2019	SeqNo: 2010566	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.7	90	110			

Sample ID: MB-44735	SampType: mblk	TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 44735	RunNo: 59676							
Prep Date: 5/6/2019	Analysis Date: 5/6/2019	SeqNo: 2012072	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44735	SampType: lcs	TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 44735	RunNo: 59676							
Prep Date: 5/6/2019	Analysis Date: 5/6/2019	SeqNo: 2012073	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.7	90	110			

Sample ID: MB-44766	SampType: MBLK	TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 44766	RunNo: 59711							
Prep Date: 5/7/2019	Analysis Date: 5/7/2019	SeqNo: 2013318	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44766	SampType: LCS	TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 44766	RunNo: 59711							
Prep Date: 5/7/2019	Analysis Date: 5/7/2019	SeqNo: 2013319	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: **MB-44760**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **44760**	RunNo: **59714**							
Prep Date: **5/7/2019**	Analysis Date: **5/7/2019**	SeqNo: **2013449**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-44760**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **44760**	RunNo: **59714**							
Prep Date: **5/7/2019**	Analysis Date: **5/7/2019**	SeqNo: **2013450**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Sample ID: **MB-44781**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **44781**	RunNo: **59715**							
Prep Date: **5/8/2019**	Analysis Date: **5/8/2019**	SeqNo: **2014637**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-44781**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **44781**	RunNo: **59715**							
Prep Date: **5/8/2019**	Analysis Date: **5/8/2019**	SeqNo: **2014638**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: **MB-44769**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **44769**	RunNo: **59749**							
Prep Date: **5/7/2019**	Analysis Date: **5/8/2019**	SeqNo: **2014939**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-44769**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **44769**	RunNo: **59749**							
Prep Date: **5/7/2019**	Analysis Date: **5/8/2019**	SeqNo: **2014940**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.6	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: MB-44802	SampType: mblk	TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 44802	RunNo: 59749							
Prep Date: 5/8/2019	Analysis Date: 5/8/2019	SeqNo: 2014969	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44802	SampType: lcs	TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 44802	RunNo: 59749							
Prep Date: 5/8/2019	Analysis Date: 5/8/2019	SeqNo: 2014970	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	99.1	90	110			

Sample ID: MB-44822	SampType: mblk	TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 44822	RunNo: 59767							
Prep Date: 5/9/2019	Analysis Date: 5/9/2019	SeqNo: 2016110	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44822	SampType: lcs	TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 44822	RunNo: 59767							
Prep Date: 5/9/2019	Analysis Date: 5/9/2019	SeqNo: 2016111	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.0	90	110			

Sample ID: MB-44826	SampType: mblk	TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 44826	RunNo: 59766							
Prep Date: 5/9/2019	Analysis Date: 5/9/2019	SeqNo: 2016237	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44826	SampType: lcs	TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 44826	RunNo: 59766							
Prep Date: 5/9/2019	Analysis Date: 5/9/2019	SeqNo: 2016238	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S %s Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **MB-44642**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **44642**	RunNo: **59575**
Prep Date: **5/1/2019**	Analysis Date: **5/2/2019**	SeqNo: **2007471** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		111	70	130			

Sample ID: **LCS-44640**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **44640**	RunNo: **59576**
Prep Date: **5/1/2019**	Analysis Date: **5/2/2019**	SeqNo: **2007474** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	79.4	63.9	124			
Surr: DNOP	3.4		5.000		68.4	70	130			S

Sample ID: **MB-44640**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **44640**	RunNo: **59576**
Prep Date: **5/1/2019**	Analysis Date: **5/2/2019**	SeqNo: **2007475** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.4		10.00		73.9	70	130			

Sample ID: **LCS-44642**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **44642**	RunNo: **59575**
Prep Date: **5/1/2019**	Analysis Date: **5/2/2019**	SeqNo: **2008208** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	63.9	124			
Surr: DNOP	4.7		5.000		93.9	70	130			

Sample ID: **MB-44641**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **44641**	RunNo: **59577**
Prep Date: **5/1/2019**	Analysis Date: **5/2/2019**	SeqNo: **2008225** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: LCS-44641	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 44641	RunNo: 59577							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2008226	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.5	63.9	124			
Surr: DNOP	4.2		5.000		83.4	70	130			

Sample ID: 1905003-039AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: SB-029-01	Batch ID: 44642	RunNo: 59575							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2008246	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	11	56.45	0	106	53.5	126			
Surr: DNOP	5.5		5.645		97.8	70	130			

Sample ID: 1905003-039AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: SB-029-01	Batch ID: 44642	RunNo: 59575							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2008247	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	11	56.14	0	107	53.5	126	0.135	21.7	
Surr: DNOP	5.4		5.614		96.1	70	130	0	0	

Sample ID: 1905003-019AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: SB-069-01	Batch ID: 44641	RunNo: 59577							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2008516	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.2	46.21	0	91.9	53.5	126			
Surr: DNOP	4.4		4.621		94.3	70	130			

Sample ID: 1905003-019AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: SB-069-01	Batch ID: 44641	RunNo: 59577							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2008517	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	9.6	47.89	0	81.6	53.5	126	8.33	21.7	
Surr: DNOP	4.0		4.789		84.1	70	130	0	0	

Sample ID: LCS-44643	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 44643	RunNo: 59607							
Prep Date: 5/2/2019	Analysis Date: 5/3/2019	SeqNo: 2009035	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: LCS-44643	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 44643	RunNo: 59607
Prep Date: 5/2/2019	Analysis Date: 5/3/2019	SeqNo: 2009035 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.2	63.9	124			
Surr: DNOP	4.3		5.000		86.3	70	130			

Sample ID: MB-44643	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 44643	RunNo: 59607
Prep Date: 5/2/2019	Analysis Date: 5/3/2019	SeqNo: 2009036 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.6	70	130			

Sample ID: 1905003-058AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: SA-007	Batch ID: 44643	RunNo: 59607
Prep Date: 5/2/2019	Analysis Date: 5/3/2019	SeqNo: 2009473 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	130	12	59.92	124.8	12.8	53.5	126			S
Surr: DNOP	5.8		5.992		96.7	70	130			

Sample ID: 1905003-058AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: SA-007	Batch ID: 44643	RunNo: 59607
Prep Date: 5/2/2019	Analysis Date: 5/3/2019	SeqNo: 2009474 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	190	12	60.14	124.8	115	53.5	126	37.6	21.7	R
Surr: DNOP	6.0		6.014		99.0	70	130	0	0	

Sample ID: MB-44644	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 44644	RunNo: 59626
Prep Date: 5/2/2019	Analysis Date: 5/3/2019	SeqNo: 2009865 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.0	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: **LCS-44644**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **44644**	RunNo: **59626**
Prep Date: **5/2/2019**	Analysis Date: **5/3/2019**	SeqNo: **2009866** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.3	63.9	124			
Surr: DNOP	4.3		5.000		85.1	70	130			

Sample ID: **MB-44645**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **44645**	RunNo: **59626**
Prep Date: **5/2/2019**	Analysis Date: **5/3/2019**	SeqNo: **2010373** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.4	70	130			

Sample ID: **LCS-44645**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **44645**	RunNo: **59626**
Prep Date: **5/2/2019**	Analysis Date: **5/3/2019**	SeqNo: **2010374** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.5	63.9	124			
Surr: DNOP	4.3		5.000		85.8	70	130			

Sample ID: **1905003-078AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SA-027**	Batch ID: **44644**	RunNo: **59626**
Prep Date: **5/2/2019**	Analysis Date: **5/3/2019**	SeqNo: **2010462** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.7	48.31	0	85.5	53.5	126			
Surr: DNOP	4.3		4.831		89.0	70	130			

Sample ID: **1905003-098AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SA-047**	Batch ID: **44645**	RunNo: **59626**
Prep Date: **5/2/2019**	Analysis Date: **5/4/2019**	SeqNo: **2010463** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.4	47.04	0	90.1	53.5	126			
Surr: DNOP	4.4		4.704		92.9	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: 1905003-078AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: SA-027	Batch ID: 44644	RunNo: 59626
Prep Date: 5/2/2019	Analysis Date: 5/3/2019	SeqNo: 2010464 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	8.7	43.44	0	87.4	53.5	126	8.45	21.7	
Surr: DNOP	3.9		4.344		90.4	70	130	0	0	

Sample ID: 1905003-098AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: SA-047	Batch ID: 44645	RunNo: 59626
Prep Date: 5/2/2019	Analysis Date: 5/4/2019	SeqNo: 2010465 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.0	45.25	0	95.8	53.5	126	2.20	21.7	
Surr: DNOP	4.5		4.525		98.9	70	130	0	0	

Sample ID: LCS-44647	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 44647	RunNo: 59643
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2010611 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.4	63.9	124			
Surr: DNOP	4.4		5.000		88.3	70	130			

Sample ID: MB-44647	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 44647	RunNo: 59643
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2010613 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	70	130			

Sample ID: 1905003-118AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: SA-068	Batch ID: 44646	RunNo: 59644
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2010646 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	11	54.58	0	109	53.5	126			
Surr: DNOP	4.9		5.458		90.6	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **LCS-44646**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **44646**	RunNo: **59644**
Prep Date: **5/3/2019**	Analysis Date: **5/6/2019**	SeqNo: **2010648** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	105	63.9	124			
Surr: DNOP	4.3		5.000		85.9	70	130			

Sample ID: **MB-44646**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **44646**	RunNo: **59644**
Prep Date: **5/3/2019**	Analysis Date: **5/6/2019**	SeqNo: **2010649** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.3	70	130			

Sample ID: **MB-44648**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **44648**	RunNo: **59657**
Prep Date: **5/3/2019**	Analysis Date: **5/6/2019**	SeqNo: **2011095** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.7	70	130			

Sample ID: **LCS-44648**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **44648**	RunNo: **59657**
Prep Date: **5/3/2019**	Analysis Date: **5/6/2019**	SeqNo: **2011096** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.6	63.9	124			
Surr: DNOP	4.3		5.000		86.1	70	130			

Sample ID: **1905003-118AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SA-068**	Batch ID: **44646**	RunNo: **59644**
Prep Date: **5/3/2019**	Analysis Date: **5/6/2019**	SeqNo: **2011112** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	11	52.58	0	106	53.5	126	6.49	21.7	
Surr: DNOP	4.1		5.258		78.8	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- B Analyte detected in the associated Method Blank
- D Sample Diluted Due to Matrix
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- PQL Practical Quantitative Limit
- RL Reporting Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **1905003-138AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SA-089**	Batch ID: **44647**	RunNo: **59643**
Prep Date: **5/3/2019**	Analysis Date: **5/6/2019**	SeqNo: **2011257** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.48	0	101	53.5	126			
Surr: DNOP	4.4		5.048		87.9	70	130			

Sample ID: **1905003-138AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SA-089**	Batch ID: **44647**	RunNo: **59643**
Prep Date: **5/3/2019**	Analysis Date: **5/6/2019**	SeqNo: **2011258** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	11	53.11	0	99.8	53.5	126	3.58	21.7	
Surr: DNOP	4.8		5.311		91.1	70	130	0	0	

Sample ID: **1905003-158AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SA-E**	Batch ID: **44648**	RunNo: **59657**
Prep Date: **5/3/2019**	Analysis Date: **5/6/2019**	SeqNo: **2011410** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	12	58.17	0	87.8	53.5	126			
Surr: DNOP	2.5		5.817		43.7	70	130			S

Sample ID: **1905003-158AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SA-E**	Batch ID: **44648**	RunNo: **59657**
Prep Date: **5/3/2019**	Analysis Date: **5/6/2019**	SeqNo: **2011411** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	12	58.00	0	88.3	53.5	126	0.225	21.7	
Surr: DNOP	2.8		5.800		47.9	70	130	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: LCS-44653	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 44653	RunNo: 59586							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2009443	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.1	80.1	123			
Surr: BFB	1000		1000		101	73.8	119			

Sample ID: MB-44653	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 44653	RunNo: 59586							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2009444	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		89.4	73.8	119			

Sample ID: 1905003-018AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SB-071-01	Batch ID: 44661	RunNo: 59629							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2009890	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.7	28.42	0	97.6	69.1	142			
Surr: BFB	1200		1137		102	73.8	119			

Sample ID: 1905003-018AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SB-071-01	Batch ID: 44661	RunNo: 59629							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2009891	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	5.7	28.56	0	112	69.1	142	14.2	20	
Surr: BFB	1200		1142		104	73.8	119	0	0	

Sample ID: LCS-44661	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 44661	RunNo: 59629							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2009911	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.2	80.1	123			
Surr: BFB	1000		1000		101	73.8	119			

Sample ID: MB-44661	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 44661	RunNo: 59629							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2009912	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: MB-44661	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 44661	RunNo: 59629							
Prep Date: 5/1/2019	Analysis Date: 5/2/2019	SeqNo: 2009912	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		90.0	73.8	119			

Sample ID: 1905003-038AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SB-031-01	Batch ID: 44663	RunNo: 59640							
Prep Date: 5/1/2019	Analysis Date: 5/3/2019	SeqNo: 2010389	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.7	28.64	0	93.5	69.1	142			
Surr: BFB	1200		1146		102	73.8	119			

Sample ID: 1905003-038AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SB-031-01	Batch ID: 44663	RunNo: 59640							
Prep Date: 5/1/2019	Analysis Date: 5/3/2019	SeqNo: 2010391	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.8	29.08	0	94.2	69.1	142	2.22	20	
Surr: BFB	1200		1162		102	73.8	119	0	0	

Sample ID: 1905003-059AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SA-008	Batch ID: 44674	RunNo: 59640							
Prep Date: 5/2/2019	Analysis Date: 5/4/2019	SeqNo: 2010414	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.9	29.42	0	98.2	69.1	142			
Surr: BFB	1200		1177		103	73.8	119			

Sample ID: 1905003-059AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SA-008	Batch ID: 44674	RunNo: 59640							
Prep Date: 5/2/2019	Analysis Date: 5/4/2019	SeqNo: 2010415	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	6.0	30.05	0	102	69.1	142	5.54	20	
Surr: BFB	1200		1202		104	73.8	119	0	0	

Sample ID: LCS-44663	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 44663	RunNo: 59640							
Prep Date: 5/1/2019	Analysis Date: 5/3/2019	SeqNo: 2010438	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: LCS-44663	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 44663			RunNo: 59640					
Prep Date: 5/1/2019	Analysis Date: 5/3/2019			SeqNo: 2010438		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.4	80.1	123			
Surr: BFB	1100		1000		106	73.8	119			

Sample ID: LCS-44674	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 44674			RunNo: 59640					
Prep Date: 5/2/2019	Analysis Date: 5/4/2019			SeqNo: 2010439		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.3	80.1	123			
Surr: BFB	990		1000		98.7	73.8	119			

Sample ID: MB-44663	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 44663			RunNo: 59640					
Prep Date: 5/1/2019	Analysis Date: 5/3/2019			SeqNo: 2010440		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.8	73.8	119			

Sample ID: MB-44674	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 44674			RunNo: 59640					
Prep Date: 5/2/2019	Analysis Date: 5/4/2019			SeqNo: 2010442		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		90.5	73.8	119			

Sample ID: LCS-44705	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 44705			RunNo: 59659					
Prep Date: 5/3/2019	Analysis Date: 5/7/2019			SeqNo: 2011491		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	106	80.1	123			
Surr: BFB	1100		1000		105	73.8	119			

Sample ID: MB-44705	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 44705			RunNo: 59659					
Prep Date: 5/3/2019	Analysis Date: 5/7/2019			SeqNo: 2011493		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: MB-44705	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 44705	RunNo: 59659							
Prep Date: 5/3/2019	Analysis Date: 5/7/2019	SeqNo: 2011493	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.1	73.8	119			

Sample ID: 1905003-151AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SA-102	Batch ID: 44705	RunNo: 59736							
Prep Date: 5/3/2019	Analysis Date: 5/8/2019	SeqNo: 2014413	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.2	26.23	0	90.2	69.1	142			
Surr: BFB	1100		1049		107	73.8	119			

Sample ID: 1905003-151AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SA-102	Batch ID: 44705	RunNo: 59736							
Prep Date: 5/3/2019	Analysis Date: 5/8/2019	SeqNo: 2014423	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.2	25.82	0	90.9	69.1	142	0.754	20	
Surr: BFB	1100		1033		107	73.8	119	0	0	

Sample ID: MB-44697	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 44697	RunNo: 59737							
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2014611	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.2	73.8	119			

Sample ID: LCS-44697	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 44697	RunNo: 59737							
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2014612	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	80.1	123			
Surr: BFB	1000		1000		104	73.8	119			

Sample ID: 1905003-119AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SA-069	Batch ID: 44697	RunNo: 59737							
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2014615	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: 1905003-119AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: SA-069	Batch ID: 44697	RunNo: 59737
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2014615 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	6.0	30.20	0	90.0	69.1	142			
Surr: BFB	1300		1208		106	73.8	119			

Sample ID: 1905003-119AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range
Client ID: SA-069	Batch ID: 44697	RunNo: 59737
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2014616 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	6.0	29.76	0	89.4	69.1	142	2.15	20	
Surr: BFB	1200		1190		104	73.8	119	0	0	

Sample ID: MB-44698	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 44698	RunNo: 59808
Prep Date: 5/2/2019	Analysis Date: 5/9/2019	SeqNo: 2017004 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		88.3	73.8	119			

Sample ID: LCS-44698	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 44698	RunNo: 59808
Prep Date: 5/2/2019	Analysis Date: 5/9/2019	SeqNo: 2017005 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	86.0	80.1	123			
Surr: BFB	1000		1000		100	73.8	119			

Sample ID: 1905003-138AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: SA-089	Batch ID: 44698	RunNo: 59808
Prep Date: 5/2/2019	Analysis Date: 5/9/2019	SeqNo: 2017007 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.3	26.61	0	81.8	69.1	142			
Surr: BFB	1100		1064		101	73.8	119			

Sample ID: 1905003-138AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range
Client ID: SA-089	Batch ID: 44698	RunNo: 59808
Prep Date: 5/2/2019	Analysis Date: 5/9/2019	SeqNo: 2017008 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **1905003-138AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SA-089**	Batch ID: **44698**	RunNo: **59808**
Prep Date: **5/2/2019**	Analysis Date: **5/9/2019**	SeqNo: **2017008** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.4	26.77	0	83.1	69.1	142	2.14	20	
Surr: BFB	1100		1071		102	73.8	119	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **LCS-44653**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **44653**	RunNo: **59586**
Prep Date: **5/1/2019**	Analysis Date: **5/2/2019**	SeqNo: **2009470** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.9	80	120			
Toluene	0.92	0.050	1.000	0	92.4	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.3	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		91.8	80	120			

Sample ID: **MB-44653**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **44653**	RunNo: **59586**
Prep Date: **5/1/2019**	Analysis Date: **5/2/2019**	SeqNo: **2009471** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.0	80	120			

Sample ID: **1905003-019AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SB-069-01**	Batch ID: **44661**	RunNo: **59629**
Prep Date: **5/1/2019**	Analysis Date: **5/2/2019**	SeqNo: **2009925** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.3	0.029	1.165	0	113	63.9	127			
Toluene	1.5	0.058	1.165	0	130	69.9	131			
Ethylbenzene	1.5	0.058	1.165	0	131	71	132			
Xylenes, Total	4.5	0.12	3.495	0	130	71.8	131			
Surr: 4-Bromofluorobenzene	1.1		1.165		96.8	80	120			

Sample ID: **1905003-019AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SB-069-01**	Batch ID: **44661**	RunNo: **59629**
Prep Date: **5/1/2019**	Analysis Date: **5/2/2019**	SeqNo: **2009926** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.6	0.029	1.158	0	140	63.9	127	21.2	20	RS
Toluene	1.5	0.058	1.158	0	126	69.9	131	3.78	20	
Ethylbenzene	1.5	0.058	1.158	0	127	71	132	3.95	20	
Xylenes, Total	4.4	0.12	3.474	0	126	71.8	131	3.77	20	
Surr: 4-Bromofluorobenzene	1.2		1.158		102	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: **LCS-44661**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **44661**	RunNo: **59629**
Prep Date: **5/1/2019**	Analysis Date: **5/2/2019**	SeqNo: **2009945** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.3	80	120			
Toluene	0.92	0.050	1.000	0	91.7	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.2	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.4	80	120			

Sample ID: **MB-44661**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **44661**	RunNo: **59629**
Prep Date: **5/1/2019**	Analysis Date: **5/2/2019**	SeqNo: **2009946** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.3	80	120			

Sample ID: **1905003-039AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SB-029-01**	Batch ID: **44663**	RunNo: **59640**
Prep Date: **5/1/2019**	Analysis Date: **5/3/2019**	SeqNo: **2010495** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.031	1.227	0	85.3	63.9	127			
Toluene	1.1	0.061	1.227	0.01217	88.0	69.9	131			
Ethylbenzene	1.1	0.061	1.227	0	91.7	71	132			
Xylenes, Total	3.4	0.12	3.682	0	91.5	71.8	131			
Surr: 4-Bromofluorobenzene	1.1		1.227		91.0	80	120			

Sample ID: **1905003-039AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SB-029-01**	Batch ID: **44663**	RunNo: **59640**
Prep Date: **5/1/2019**	Analysis Date: **5/3/2019**	SeqNo: **2010496** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.031	1.242	0	83.7	63.9	127	0.733	20	
Toluene	1.1	0.062	1.242	0.01217	88.7	69.9	131	1.96	20	
Ethylbenzene	1.1	0.062	1.242	0	91.8	71	132	1.34	20	
Xylenes, Total	3.4	0.12	3.726	0	92.1	71.8	131	1.82	20	
Surr: 4-Bromofluorobenzene	1.1		1.242		91.7	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: 1905003-058AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles
Client ID: SA-007	Batch ID: 44674	RunNo: 59640
Prep Date: 5/2/2019	Analysis Date: 5/4/2019	SeqNo: 2010516 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.030	1.189	0	94.0	63.9	127			
Toluene	1.2	0.059	1.189	0.01213	98.2	69.9	131			
Ethylbenzene	1.2	0.059	1.189	0.01425	99.9	71	132			
Xylenes, Total	3.6	0.12	3.568	0.03451	99.9	71.8	131			
Surr: 4-Bromofluorobenzene	1.1		1.189		88.6	80	120			

Sample ID: 1905003-058AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles
Client ID: SA-007	Batch ID: 44674	RunNo: 59640
Prep Date: 5/2/2019	Analysis Date: 5/4/2019	SeqNo: 2010517 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.032	1.260	0	82.4	63.9	127	7.37	20	
Toluene	1.1	0.063	1.260	0.01213	85.9	69.9	131	7.51	20	
Ethylbenzene	1.1	0.063	1.260	0.01425	86.7	71	132	8.27	20	
Xylenes, Total	3.3	0.13	3.780	0.03451	87.3	71.8	131	7.62	20	
Surr: 4-Bromofluorobenzene	1.2		1.260		92.2	80	120	0	0	

Sample ID: LCS-44663	SampType: LCS	TestCode: EPA Method 8021B: Volatiles
Client ID: LCSS	Batch ID: 44663	RunNo: 59640
Prep Date: 5/1/2019	Analysis Date: 5/3/2019	SeqNo: 2010539 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.9	80	120			
Toluene	0.91	0.050	1.000	0	91.3	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.2	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	80	120			

Sample ID: LCS-44674	SampType: LCS	TestCode: EPA Method 8021B: Volatiles
Client ID: LCSS	Batch ID: 44674	RunNo: 59640
Prep Date: 5/2/2019	Analysis Date: 5/4/2019	SeqNo: 2010540 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	85.8	80	120			
Toluene	0.89	0.050	1.000	0	88.9	80	120			
Ethylbenzene	0.89	0.050	1.000	0	89.0	80	120			
Xylenes, Total	2.7	0.10	3.000	0	88.8	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		92.0	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: **MB-44663**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **44663**	RunNo: **59640**							
Prep Date: **5/1/2019**	Analysis Date: **5/3/2019**	SeqNo: **2010541**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.9	80	120			

Sample ID: **MB-44674**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **44674**	RunNo: **59640**							
Prep Date: **5/2/2019**	Analysis Date: **5/4/2019**	SeqNo: **2010542**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.8	80	120			

Sample ID: **LCS-44705**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSS**	Batch ID: **44705**	RunNo: **59659**							
Prep Date: **5/3/2019**	Analysis Date: **5/7/2019**	SeqNo: **2011515**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.2	80	120			
Toluene	0.89	0.050	1.000	0	89.2	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.3	80	120			
Xylenes, Total	2.7	0.10	3.000	0	88.8	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.2	80	120			

Sample ID: **MB-44705**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBS**	Batch ID: **44705**	RunNo: **59659**							
Prep Date: **5/3/2019**	Analysis Date: **5/7/2019**	SeqNo: **2011516**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.5	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: 1905003-152AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles
Client ID: SA-103	Batch ID: 44705	RunNo: 59736
Prep Date: 5/3/2019	Analysis Date: 5/8/2019	SeqNo: 2014506 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.027	1.090	0	77.5	63.9	127			
Toluene	0.88	0.054	1.090	0.01117	80.2	69.9	131			
Ethylbenzene	0.88	0.054	1.090	0	80.7	71	132			
Xylenes, Total	2.7	0.11	3.269	0	81.5	71.8	131			
Surr: 4-Bromofluorobenzene	1.1		1.090		99.4	80	120			

Sample ID: 1905003-152AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles
Client ID: SA-103	Batch ID: 44705	RunNo: 59736
Prep Date: 5/3/2019	Analysis Date: 5/8/2019	SeqNo: 2014507 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.027	1.092	0	77.1	63.9	127	0.306	20	
Toluene	0.89	0.055	1.092	0.01117	80.1	69.9	131	0.0261	20	
Ethylbenzene	0.89	0.055	1.092	0	81.8	71	132	1.49	20	
Xylenes, Total	2.7	0.11	3.275	0	82.1	71.8	131	0.912	20	
Surr: 4-Bromofluorobenzene	1.1		1.092		98.3	80	120	0	0	

Sample ID: MB-44697	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles
Client ID: PBS	Batch ID: 44697	RunNo: 59737
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2014726 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		87.3	80	120			

Sample ID: LCS-44697	SampType: LCS	TestCode: EPA Method 8021B: Volatiles
Client ID: LCSS	Batch ID: 44697	RunNo: 59737
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2014727 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.6	80	120			
Toluene	0.96	0.050	1.000	0	95.9	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.8	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.2	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S %Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: 1905003-118AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles
Client ID: SA-068	Batch ID: 44697	RunNo: 59737
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2014729 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.027	1.065	0	82.6	63.9	127			
Toluene	0.96	0.053	1.065	0	89.8	69.9	131			
Ethylbenzene	0.96	0.053	1.065	0	89.8	71	132			
Xylenes, Total	2.8	0.11	3.195	0	88.7	71.8	131			
Surr: 4-Bromofluorobenzene	1.0		1.065		94.9	80	120			

Sample ID: 1905003-118AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles
Client ID: SA-068	Batch ID: 44697	RunNo: 59737
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2014730 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.026	1.059	0	103	63.9	127	21.7	20	R
Toluene	0.96	0.053	1.059	0	90.9	69.9	131	0.597	20	
Ethylbenzene	0.95	0.053	1.059	0	89.7	71	132	0.615	20	
Xylenes, Total	2.8	0.11	3.176	0	87.6	71.8	131	1.90	20	
Surr: 4-Bromofluorobenzene	1.0		1.059		94.3	80	120	0	0	

Sample ID: MB-44698	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles
Client ID: PBS	Batch ID: 44698	RunNo: 59808
Prep Date: 5/2/2019	Analysis Date: 5/9/2019	SeqNo: 2017024 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.4	80	120			

Sample ID: LCS-44698	SampType: LCS	TestCode: EPA Method 8021B: Volatiles
Client ID: LCSS	Batch ID: 44698	RunNo: 59808
Prep Date: 5/2/2019	Analysis Date: 5/9/2019	SeqNo: 2017025 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.5	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.7	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.5	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S %Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **1905003-139AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SA-090**	Batch ID: **44698**	RunNo: **59808**
Prep Date: **5/2/2019**	Analysis Date: **5/9/2019**	SeqNo: **2017028** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.027	1.074	0	74.9	63.9	127			
Toluene	0.97	0.054	1.074	0	90.2	69.9	131			
Ethylbenzene	0.97	0.054	1.074	0	90.0	71	132			
Xylenes, Total	2.9	0.11	3.222	0	89.3	71.8	131			
Surr: 4-Bromofluorobenzene	1.1		1.074		101	80	120			

Sample ID: **1905003-139AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SA-090**	Batch ID: **44698**	RunNo: **59808**
Prep Date: **5/2/2019**	Analysis Date: **5/9/2019**	SeqNo: **2017029** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.027	1.076	0	101	63.9	127	29.7	20	R
Toluene	0.97	0.054	1.076	0	90.2	69.9	131	0.210	20	
Ethylbenzene	0.96	0.054	1.076	0	89.1	71	132	0.827	20	
Xylenes, Total	2.8	0.11	3.228	0	87.9	71.8	131	1.36	20	
Surr: 4-Bromofluorobenzene	1.1		1.076		100	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: 1905003-079ams	SampType: MS	TestCode: EPA Method 8260B: Volatiles Short List
Client ID: SA-028	Batch ID: 44675	RunNo: 59686
Prep Date: 5/2/2019	Analysis Date: 5/6/2019	SeqNo: 2012450 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.2	0.055	1.101	0	105	70	130			
Benzene	1.1	0.028	1.101	0	98.3	68.9	131			
Toluene	1.0	0.055	1.101	0	91.7	64.3	137			
Ethylbenzene	1.0	0.055	1.101	0	93.0	70	130			
Xylenes, Total	3.1	0.11	3.302	0	93.5	70	130			
1,2,4-Trimethylbenzene	0.81	0.055	1.101	0.01158	72.3	70	130			
1,3,5-Trimethylbenzene	0.93	0.055	1.101	0	84.4	70	130			
Naphthalene	0.93	0.11	1.101	0	84.5	70	130			
Surr: 1,2-Dichloroethane-d4	0.55		0.5504		99.1	70	130			
Surr: 4-Bromofluorobenzene	0.53		0.5504		95.5	70	130			
Surr: Dibromofluoromethane	0.64		0.5504		115	70	130			
Surr: Toluene-d8	0.51		0.5504		91.9	70	130			

Sample ID: 1905003-079amsd	SampType: MSD	TestCode: EPA Method 8260B: Volatiles Short List
Client ID: SA-028	Batch ID: 44675	RunNo: 59686
Prep Date: 5/2/2019	Analysis Date: 5/6/2019	SeqNo: 2012451 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.1	0.057	1.149	0	95.1	70	130	5.47	0	
Benzene	1.0	0.029	1.149	0	89.6	68.9	131	4.96	20	
Toluene	0.99	0.057	1.149	0	86.2	64.3	137	1.93	20	
Ethylbenzene	1.0	0.057	1.149	0	87.7	70	130	1.55	0	
Xylenes, Total	3.1	0.11	3.447	0	89.1	70	130	0.563	0	
1,2,4-Trimethylbenzene	0.80	0.057	1.149	0.01158	68.2	70	130	1.43	0	S
1,3,5-Trimethylbenzene	0.92	0.057	1.149	0	80.1	70	130	1.03	0	
Naphthalene	0.91	0.11	1.149	0	78.9	70	130	2.67	0	
Surr: 1,2-Dichloroethane-d4	0.56		0.5745		96.8	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.55		0.5745		96.0	70	130	0	0	
Surr: Dibromofluoromethane	0.64		0.5745		111	70	130	0	0	
Surr: Toluene-d8	0.53		0.5745		91.9	70	130	0	0	

Sample ID: lcs-44675	SampType: LCS	TestCode: EPA Method 8260B: Volatiles Short List
Client ID: LCSS	Batch ID: 44675	RunNo: 59686
Prep Date: 5/2/2019	Analysis Date: 5/6/2019	SeqNo: 2012461 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.98	0.050	1.000	0	98.1	70	130			
Benzene	0.94	0.025	1.000	0	93.7	70	130			
Toluene	0.92	0.050	1.000	0	91.6	70	130			
Ethylbenzene	0.90	0.050	1.000	0	90.5	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **lcs-44675**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS**	Batch ID: **44675**	RunNo: **59686**
Prep Date: **5/2/2019**	Analysis Date: **5/6/2019**	SeqNo: **2012461** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	2.8	0.10	3.000	0	92.1	70	130			
1,2,4-Trimethylbenzene	0.75	0.050	1.000	0	75.0	70	130			
1,3,5-Trimethylbenzene	0.85	0.050	1.000	0	84.9	70	130			
Naphthalene	0.84	0.10	1.000	0	84.3	70	130			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.2	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.6	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.45		0.5000		90.1	70	130			

Sample ID: **mb-44675**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **44675**	RunNo: **59686**
Prep Date: **5/2/2019**	Analysis Date: **5/6/2019**	SeqNo: **2012462** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.050								
Benzene	ND	0.025								
1,2-Dichloroethane (EDC)	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
1,2-Dibromoethane (EDB)	ND	0.050								
1,2,4-Trimethylbenzene	ND	0.050								
1,3,5-Trimethylbenzene	ND	0.050								
Naphthalene	ND	0.10								
2-Methylnaphthalene	ND	0.20								
1-Methylnaphthalene	ND	0.20								
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.3	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.3	70	130			
Surr: Dibromofluoromethane	0.55		0.5000		109	70	130			
Surr: Toluene-d8	0.46		0.5000		91.1	70	130			

Sample ID: **1905003-099ams**	SampType: **MS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **SA-048**	Batch ID: **44677**	RunNo: **59712**
Prep Date: **5/2/2019**	Analysis Date: **5/8/2019**	SeqNo: **2013380** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.026	1.045	0	95.1	68.9	131			
Toluene	0.97	0.052	1.045	0	92.5	64.3	137			
Ethylbenzene	0.98	0.052	1.045	0	94.0	70	130			
Xylenes, Total	3.0	0.10	3.136	0	94.9	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- B Analyte detected in the associated Method Blank
- D Sample Diluted Due to Matrix
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- PQL Practical Quantitative Limit
- RL Reporting Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: 1905003-099ams	SampType: MS	TestCode: EPA Method 8260B: Volatiles Short List
Client ID: SA-048	Batch ID: 44677	RunNo: 59712
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2013380 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.48		0.5227		92.3	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5227		92.0	70	130			
Surr: Dibromofluoromethane	0.56		0.5227		107	70	130			
Surr: Toluene-d8	0.48		0.5227		91.7	70	130			

Sample ID: 1905003-099amsd	SampType: MSD	TestCode: EPA Method 8260B: Volatiles Short List
Client ID: SA-048	Batch ID: 44677	RunNo: 59712
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2013381 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.016	0	93.3	68.9	131	4.76	20	
Toluene	0.92	0.051	1.016	0	90.1	64.3	137	5.49	20	
Ethylbenzene	0.93	0.051	1.016	0	91.8	70	130	5.24	0	
Xylenes, Total	2.8	0.10	3.049	0	92.1	70	130	5.75	0	
Surr: 1,2-Dichloroethane-d4	0.47		0.5081		92.8	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.48		0.5081		93.7	70	130	0	0	
Surr: Dibromofluoromethane	0.57		0.5081		111	70	130	0	0	
Surr: Toluene-d8	0.47		0.5081		91.7	70	130	0	0	

Sample ID: lcs-44677	SampType: LCS	TestCode: EPA Method 8260B: Volatiles Short List
Client ID: LCSS	Batch ID: 44677	RunNo: 59712
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2013384 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.1	70	130			
Toluene	0.95	0.050	1.000	0	95.4	70	130			
Ethylbenzene	0.97	0.050	1.000	0	97.0	70	130			
Xylenes, Total	2.9	0.10	3.000	0	95.4	70	130			
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.1	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.8	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.45		0.5000		90.9	70	130			

Sample ID: mb-44677	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List
Client ID: PBS	Batch ID: 44677	RunNo: 59712
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2013385 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- B Analyte detected in the associated Method Blank
- D Sample Diluted Due to Matrix
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- PQL Practical Quantitative Limit
- RL Reporting Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **mb-44677**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **44677**	RunNo: **59712**
Prep Date: **5/2/2019**	Analysis Date: **5/8/2019**	SeqNo: **2013385** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		91.4	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.3	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.45		0.5000		89.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260: Volatiles Short List
Client ID: LCSW	Batch ID: SL59712	RunNo: 59712
Prep Date:	Analysis Date: 5/7/2019	SeqNo: 2013360 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	103	70	130			
Toluene	19	1.0	20.00	0	93.9	70	130			
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.0	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		94.9	70	130			
Surr: Dibromofluoromethane	12		10.00		115	70	130			
Surr: Toluene-d8	9.2		10.00		91.6	70	130			

Sample ID: 1905003-168a ms	SampType: MS	TestCode: EPA Method 8260: Volatiles Short List
Client ID: RB-042919	Batch ID: SL59712	RunNo: 59712
Prep Date:	Analysis Date: 5/7/2019	SeqNo: 2013362 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	85.1	70	130			
Toluene	16	1.0	20.00	0	78.4	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.0	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.5	70	130			
Surr: Dibromofluoromethane	11		10.00		110	70	130			
Surr: Toluene-d8	9.0		10.00		90.0	70	130			

Sample ID: 1905003-168a msd	SampType: MSD	TestCode: EPA Method 8260: Volatiles Short List
Client ID: RB-042919	Batch ID: SL59712	RunNo: 59712
Prep Date:	Analysis Date: 5/7/2019	SeqNo: 2013363 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	85.8	70	130	0.812	20	
Toluene	15	1.0	20.00	0	77.1	70	130	1.67	20	
Surr: 1,2-Dichloroethane-d4	9.5		10.00		94.7	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.5		10.00		95.5	70	130	0	0	
Surr: Dibromofluoromethane	11		10.00		107	70	130	0	0	
Surr: Toluene-d8	8.9		10.00		89.1	70	130	0	0	

Sample ID: rb	SampType: MBLK	TestCode: EPA Method 8260: Volatiles Short List
Client ID: PBW	Batch ID: SL59712	RunNo: 59712
Prep Date:	Analysis Date: 5/7/2019	SeqNo: 2013368 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S %Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL59712**	RunNo: **59712**
Prep Date:	Analysis Date: **5/7/2019**	SeqNo: **2013368** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.4		10.00		93.8	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.6	70	130			
Surr: Dibromofluoromethane	11		10.00		109	70	130			
Surr: Toluene-d8	9.4		10.00		94.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: 1905003-078ams	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: SA-027	Batch ID: 44675	RunNo: 59686							
Prep Date: 5/2/2019	Analysis Date: 5/6/2019	SeqNo: 2012465	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.7	28.37	0	88.2	68.2	135			
Surr: BFB	610		567.4		107	70	130			

Sample ID: 1905003-078amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: SA-027	Batch ID: 44675	RunNo: 59686							
Prep Date: 5/2/2019	Analysis Date: 5/6/2019	SeqNo: 2012466	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.7	28.43	0	87.8	68.2	135	0.255	20	
Surr: BFB	620		568.5		109	70	130	0	0	

Sample ID: lcs-44675	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: LCSS	Batch ID: 44675	RunNo: 59686							
Prep Date: 5/2/2019	Analysis Date: 5/6/2019	SeqNo: 2012477	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	70	130			
Surr: BFB	540		500.0		108	70	130			

Sample ID: mb-44675	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: PBS	Batch ID: 44675	RunNo: 59686							
Prep Date: 5/2/2019	Analysis Date: 5/6/2019	SeqNo: 2012478	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	540		500.0		108	70	130			

Sample ID: 1905003-098ams	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: SA-047	Batch ID: 44677	RunNo: 59712							
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2013402	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.4	27.23	0	88.2	68.2	135			
Surr: BFB	590		544.7		108	70	130			

Sample ID: 1905003-098amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: SA-047	Batch ID: 44677	RunNo: 59712							
Prep Date: 5/2/2019	Analysis Date: 5/8/2019	SeqNo: 2013403	Units: mg/Kg-dry						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905003**

14-May-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **1905003-098amsd**	SampType: **MSD**			TestCode: **EPA Method 8015D Mod: Gasoline Range**					
Client ID: **SA-047**	Batch ID: **44677**			RunNo: **59712**					
Prep Date: **5/2/2019**	Analysis Date: **5/8/2019**			SeqNo: **2013403**		Units: **mg/Kg-dry**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.5	27.75	0	84.6	68.2	135	2.35	20	
Surr: BFB	600		554.9		108	70	130	0	0	

Sample ID: **lcs-44677**	SampType: **LCS**			TestCode: **EPA Method 8015D Mod: Gasoline Range**					
Client ID: **LCSS**	Batch ID: **44677**			RunNo: **59712**					
Prep Date: **5/2/2019**	Analysis Date: **5/8/2019**			SeqNo: **2013407**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.1	70	130			
Surr: BFB	540		500.0		108	70	130			

Sample ID: **mb-44677**	SampType: **MBLK**			TestCode: **EPA Method 8015D Mod: Gasoline Range**					
Client ID: **PBS**	Batch ID: **44677**			RunNo: **59712**					
Prep Date: **5/2/2019**	Analysis Date: **5/8/2019**			SeqNo: **2013408**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	540		500.0		108	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **ENDURING RESOURCE** Work Order Number: **1905003** RcptNo: **1**

Received By: **Jevon Campisi** **5/1/2019 8:25:00 AM** Jevon Campisi

Completed By: **Erin Melendrez** **5/1/2019 8:57:59 AM**

Reviewed By: JG 5/1/19
LB: IC 05/01/19

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑ IC 5/1/19
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐ # of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐ Adjusted?
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐ Checked by:

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone | | Fax | | In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			
2	2.0	Good	Yes			
3	2.4	Good	Yes			
4	3.2	Good	Yes			

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **ENDURING RESOURCE** Work Order Number: **1905003** RcptNo: 1

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
5	3.5	Good	Yes			

Page 1 of 15

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☑ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

of Coolers: 5

Cooler Temp(including CF): 1.9 / 2.1 / 2.5c / 3.3c

T 356

HEAL No. 1905003

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	(BTEX) MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
						-001	X	X					X			
						-002										
						-003										
						-004										
						-005										
						-006										
						-007										
						-008										
						-009										
						-010										
						-011										
					✓	-012										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4-30			~~T2C5~~		4/30/19	1205
4-30-19	12:12 ~~1205~~				4/30/19	1515

Remarks: (CF=-0.1) Corrected Temps: 1.8°, 2.0°c, Refers on dry weight basis 2.4°, 3.2°c, 3.5°c

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

4-30-19 1515

5-1-19 0725

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

of Coolers: 5

Cooler Temp(including CF): 1.8/2.0/2.4/3.2/3.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905003	BTEX/ ~~MTBE/ TMB's~~ (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
						-013										
						-014										
						-015										
						-016										
						-017										
						-018										
						-019										
						-020										
						-021										
						-022										
						-023										
						-024										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					4/30/19	12:03
Date: 4/30/19	Time: 15:15 ~~12:03~~	Relinquished by:	Received by:	Via:	Date 4/30/19	Time 1515

Remarks:

(CF=-0.1) Corrected Temps: 1.8°, 2.0°, 2.4°, 3.2°, 3.5°

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

4/30/19 Date

5-1-19

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☑ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

of Coolers: 5

Cooler Temp (including CF):

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905003	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
						-025							X			
						-026							X			
						-027							X			
						-028							X			
						-029							X			
						-030							X			
						-031							X			
						-032							X			
						-033							X			
						-034							X			
						-035							X			
						-036							X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					4/30/19	12:05
Date: 4/30/19	Time: 15:15	Relinquished by:	Received by:	Via:	Date 4/30/19	Time 1515

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

4/30/19 2010

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☑ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

of Coolers: 5

Cooler Temp(including CF): 1.9 / 2.2 / 3.5 / 3.5 / 3.6

HEAL No. 1905003

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO3, NO2, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
						-037	X	X					X			
						-038	X	X					X			
						-039	X	X					X			
						-040	X	X					X			
						-041	X	X					X			
						-042	X	X					X			
						-043	X	X					X			
						-044	X	X					X			
						-045	X	X					X			
						-046	X	X					X			
						-047	X	X					X			
						-048	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					4.30.19	12.05
Date: 4.30.19	Time: 15:10	Relinquished by:	Received by:	Via:	Date: 4/30/19	Time: 1515

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☑ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

of Coolers: 3

Cooler Temp(including CF): 1.7/2.1/3.3/3.2/5.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905003	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
						-049							X			
						-050										
						-051	X	X					X			
						-052	X	X					X			
						-053	X	X					X			
						-054	X	X								
	1505		SA-001			-055	X	X								
	1503		SA-002			-056	X	X					X			
	1652		SA-006			-057	X	X					X			
	1656		SA-007			-058	X	X					X			
	1507		SA-008			-059	X	X					X			
	1700		SA-009			-060	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/30/19	15:15				4/30/19	1515
4/30/19	2010				5/1/19	8:15

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

PAGE 6 OF 15

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

of Coolers: 5

Cooler Temp(including CF): 1.5/2.1/2.5/3.3/3.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

HEAL No. 1905003

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO3, NO2, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4/28/19	1650	S		4oz Jar	cool	-001	X	X					X			
	1510					-002	X	X					X			
	1506					-003	X	X					X			
	1647					-004	X	X					X			
	1640					-005	X	X					X			
	1653					-006	X	X					X			
	1656					-007	X	X					X			
	1634					-008	X	X					X			
	1643					-009	X	X					X			
	1608					-010	X	X					X			
	1607					-011	X	X					X			
↓	1620	↓		↓	↓	-012	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/30/19	15:15				4/30/19	1515
4/30/19	2010				5-1-19	8:30

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: [illegible]

Mailing Address: [illegible]

Phone #: [illegible]

email or Fax#: [illegible]

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: [illegible]

Project #: [illegible]

Project Manager: [illegible]

Sampler: [illegible]

On Ice: ☑ Yes ☐ No

of Coolers: 5

Cooler Temp(including CF): 1.5/2.1/2.5/3.3/3.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905003	BTEX / ~~MTBE / TMB's (8021)~~	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	~~Cl, F, Br, NO3, NO2, PO4, SO4~~	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
04/25/19	1559	S	[illegible]	402 Jar	Cool	-073	X	X					X			
	1556		[illegible]			-074	X	X					X			
	1555		[illegible]			-075	X	X					X			
	1550		[illegible]			-076	X	X					X			
	1549		[illegible]			-077	X	X					X			
	1541		[illegible]			-078	X	X					X			
	1539		[illegible]			-079	X	X					X			
	1537		[illegible]			-080	X	X					X			
	1537		[illegible]			-081	X	X					X			
	1536		[illegible]			-082	X	X					X			
	1533		[illegible]			-083	X	X					X			
↓	1527	↓	[illegible]	↓	↓	-084	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/30/19	15:15	[illegible]	[illegible]	Walk-In	4/30/19	1518
5/1/19	2010	[illegible]	[illegible]	[illegible]	5-1-19	825

Remarks: [illegible]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☒ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☒ Yes ☐ No

of Coolers: 5

Cooler Temp (including CF): .9/2.1/2.5/5.3/3.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
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Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905003	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO3, NO2, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4-3-19	1524	Soil		4oz Jar	Cool	-085	X	X					X			
	1519					-086	X	X					X			
	1516					-087	X	X					X			
	1513					-088	X	X					X			
	1506					-089	X	X					X			
	1505					-090	X	X					X			
	1505					-091	X	X					X			
	1501					-092	X	X					X			
	1453					-093	X	X					X			
	1452					-094	X	X					X			
	1449					-095	X	X					X			
↓	1448	↓		↓	↓	-096	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4/30/19	1515				4/30/19	1515
4/30/19	2010			Courier	5-1-19	9:25

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Enterprise Resources

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☒ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

of Coolers: 5

Cooler Temp(including CF): 1.9/2.1/2.5/2.3/3.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905003	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO3, NO2, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4-29-19	1439	Soil		4oz Jar	Cool	-097	X	X					X			
"	1440	"		"	"	-098	X	X					X			
"	1433	"		"	"	-099	X	X					X			
"	1434	"		"	"	-100	X	X					X			
"	1437	"		"	"	-101	X	X					X			
"	1442	"		"	"	-102	X	X					X			
"	1431	"		"	"	-103	X	X					X			
"	1415	"		"	"	-104	X	X					X			
"	1418	"		"	"	-105	X	X					X			
"	1415	"		"	"	-106	X	X					X			
"	1403	"		"	"	-107	X	X					X			
↓	1419	↓		↓	↓	-108	X	X					X			

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4-30-19	15:15				4/30/19	15:15
5/1/19	2010			Courier	5-1-19	8:35

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

PAGE 1 of 15

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☑ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

of Coolers: 5

Cooler Temp(including CF): 1.9/3.4/3.5/3.3/3.6

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Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905003	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIM	RCRA 8 Metals	Cl, F, Br, NO3, NO2, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9-27-19	1404	Soil		4oz Jar	Cool	-109	X	X					X			
"	1410	"		"	"	-110	X	X					X			
"	1351	"		"	"	-111	X	X					X			
"	1345	"		"	"	-112	X	X					X			
"	1344	"		"	"	-113	X	X					X			
"	1344	"		"	"	-114	X	X					X			
"	1330	"		"	"	-115	X	X					X			
"	1330	"		"	"	-116	X	X					X			
"	1322	"		"	"	-117	X	X					X			
"	1322	"		"	"	-118	X	X					X			
"	1307	"		"	"	-119	X	X					X			
↓	1305	↓		↓	↓	-120	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
	15:15				9/30/19	1515
9/30/19	2010			Courier	5-1-19	8:20

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: [illegible]

[illegible]

Mailing Address: [illegible]

[illegible]

Phone #: [illegible]

email or Fax#: [illegible]

QA/QC Package:

☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☒ EDD (Type) [illegible]

Turn-Around Time:

☑ Standard ☐ Rush

Project Name: [illegible]

Project #: [illegible]

Project Manager: [illegible]

Sampler: [illegible]

On Ice: ☑ Yes ☐ No

of Coolers: 5

Cooler Temp(including CF): 1.9/2.1/2.5/3.3/3.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905003	BTEX / ~~MTBE~~ / ~~TMB's (8021)~~	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl) F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4-29-19	1259	Soil	[illegible]	4oz Jar	Cool	-121	X	X					X			
	1446		[illegible]			-122	X	X					X			
	1240		[illegible]			-123	X	X					X			
	1247		[illegible]			-124	X	X					X			
	1226		[illegible]			-125	X	X					X			
	1223		[illegible]			-126	X	X					X			
	1217		[illegible]			-127	X	X					X			
	1200		[illegible]			-128	X	X					X			
	1152		[illegible]			-129	X	X					X			
	1151		[illegible]			-130	X	X					X			
	1138		[illegible]			-131	X	X					X			
↓	1127	↓	[illegible]	↓	↓	-132	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
[illegible]	15:15	[illegible]	[illegible]	[illegible]	4/30/19	1515
4/30/19	2010	[illegible]	[illegible]	[illegible]	5-1-19	[illegible]

Remarks: [illegible]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☑ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

of Coolers: 5

Cooler Temp(including CF): /

HEAL No. 1905003

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
	1120					-133
	1058					-134
	1100					-135
	1046					-136
	1032					-137
	1034					-138
	1022					-139
	1007					-140
	1038					-141
	0955					-142
	0941					-143
	0948					-144

Analysis Request

BTEX / MTBE / TMBs (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	~~Cl, F, Br, NO3, NO2, PO4, SO4~~	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
✓	✓					✓			
✓	✓					✓			
✓	✓					✓			
✓	✓					✓			
✓	✓					✓			
✓	✓					✓			
✓	✓					✓			
✓	✓					✓			
✓	✓					✓			
✓	✓					✓			
✓	✓					✓			
✓	✓					✓			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
	15 15				4/30/19	1510
4/30/19	2010			courier	5-1-19	8:25

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

PAGE 1 of 15

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☒ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

of Coolers: 5

Cooler Temp (including CF): 1.9/2.1/2.5/3.3/3.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905003	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO3, NO2, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4-24-19	0926	Soil		4oz Jar	COOL	-145	X	X					X			
	0915					-146	X	X					X			
	0924					-147	X	X					X			
	0905					-148	X	X					X			
	0910					-149	X	X					X			
	0855					-150	X	X					X			
	0835					-151	X	X					X			
	0845					-152	X	X					X			
	1043					-153	X	X					X			
	0905					-154	X	X					X			
	11:53					-155	X	X					X			
↓	1353	↓		↓	↓	-156	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
	15 15				4/25/19	1515
4/25/19	2010			Courier	5-1-19	8:25

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☑ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:
On Ice: ☑ Yes ☐ No
of Coolers: 5
Cooler Temp(including CF): 1.9/2.1/3.5/3.3/2.6

HEAL No. 1905003

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO3, NO2, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
	1505														-157
	1607														-158
4/8/19	13:40	Soil	SB-032			X	X					X			-159
↓	13:50	↓	SB-033		↓	X	X					X			-160

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
	15:15				4/10/19	1515
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/10/19	2010			Courier	5-1-19	8:32

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: [illegible]

[illegible]

Mailing Address: [illegible]

[illegible]

Phone #: [illegible]

email or Fax#: [illegible]

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: [illegible]

Project #: [illegible]

Project Manager: [illegible]

Sampler:

On Ice: ☒ Yes ☐ No

of Coolers: 5

Cooler Temp (including CF): 1.5/2.1/2.5/3.3/3.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905003	BTEX/MTBE/TMB's (8021)	TPH:8015D(GRO/DRO/MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4/29	11:12	Soil	GR-01	1 4oz	Cool	-161	X	X					X			
"	11:19	Soil	GR-02	"	"	-162	X	X					X			
"	11:20	Soil	GR-03	"	"	-163	X	X					X			
"	11:24	Soil	GR-04	"	"	-164	X	X					X			
"	11:26	Soil	GR-05	"	"	-165	X	X					X			
"	11:28	Soil	GR-06	"	"	-166	X	X					X			
"	11:30	Soil	GR-07	"	"	-167	X	X					X			
"	15:44	Aqueous	RB-042919	3 VOAs	HCl	-168	X									
"	17:35	Aqueous	FB-042919	3 VOAs	HCl	-169	X									
"	17:46	Aqueous	Trip Blank A	"	"	-170	X									
"	17:41	Aqueous	Trip Blank B	"	"	-171	X									
"	17:42	Aqueous	Trip Blank C	"	"	-172	X									

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
[illegible]	15:15	[illegible]	[illegible]		4/30/19	1515
4/30/19	7:10	[illegible]	[illegible]	courier	5-1-19	8:27

Remarks:

[illegible]

[illegible]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 17, 2019

James McDaniel
Enduring Resources
332 Road 3100
Aztec, NM 87140
TEL:
FAX

RE: NEU #315 OrderNo.: 1905494

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 7 sample(s) on 5/9/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU #315
Lab ID: 1905494-001 **Matrix:** SOIL

Client Sample ID: SA-003
Collection Date: 5/8/2019 10:45:00 AM
Received Date: 5/9/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	17	1.0		wt%	1	5/10/2019 4:32:00 PM	R59848
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	72		mg/Kg-dr	20	5/13/2019 4:09:10 PM	44872
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	5/13/2019 7:35:32 PM	44855
Motor Oil Range Organics (MRO)	ND	60		mg/Kg-dr	1	5/13/2019 7:35:32 PM	44855
Surr: DNOP	71.9	70-130		%Rec	1	5/13/2019 7:35:32 PM	44855
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.0		mg/Kg-dr	1	5/13/2019 11:14:11 PM	44846
Surr: BFB	93.6	73.8-119		%Rec	1	5/13/2019 11:14:11 PM	44846
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.030		mg/Kg-dr	1	5/13/2019 11:14:11 PM	44846
Toluene	ND	0.060		mg/Kg-dr	1	5/13/2019 11:14:11 PM	44846
Ethylbenzene	ND	0.060		mg/Kg-dr	1	5/13/2019 11:14:11 PM	44846
Xylenes, Total	ND	0.12		mg/Kg-dr	1	5/13/2019 11:14:11 PM	44846
Surr: 4-Bromofluorobenzene	90.9	80-120		%Rec	1	5/13/2019 11:14:11 PM	44846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU #315
Lab ID: 1905494-002 **Matrix:** SOIL

Client Sample ID: SA-004
Collection Date: 5/8/2019 10:38:00 AM
Received Date: 5/9/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	28	1.0		wt%	1	5/10/2019 4:32:00 PM	R59848
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	83		mg/Kg-dr	20	5/13/2019 4:21:35 PM	44872
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	13		mg/Kg-dr	1	5/15/2019 7:54:41 PM	44855
Motor Oil Range Organics (MRO)	ND	67		mg/Kg-dr	1	5/15/2019 7:54:41 PM	44855
Surr: DNOP	108	70-130		%Rec	1	5/15/2019 7:54:41 PM	44855
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.7		mg/Kg-dr	1	5/14/2019 12:24:00 AM	44846
Surr: BFB	94.8	73.8-119		%Rec	1	5/14/2019 12:24:00 AM	44846
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.033		mg/Kg-dr	1	5/14/2019 12:24:00 AM	44846
Toluene	ND	0.067		mg/Kg-dr	1	5/14/2019 12:24:00 AM	44846
Ethylbenzene	ND	0.067		mg/Kg-dr	1	5/14/2019 12:24:00 AM	44846
Xylenes, Total	ND	0.13		mg/Kg-dr	1	5/14/2019 12:24:00 AM	44846
Surr: 4-Bromofluorobenzene	89.8	80-120		%Rec	1	5/14/2019 12:24:00 AM	44846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU #315
Lab ID: 1905494-003 **Matrix:** SOIL

Client Sample ID: SA-005
Collection Date: 5/8/2019 10:32:00 AM
Received Date: 5/9/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	24	1.0		wt%	1	5/10/2019 4:32:00 PM	R59848
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	79		mg/Kg-dr	20	5/13/2019 4:33:59 PM	44872
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	13		mg/Kg-dr	1	5/13/2019 8:24:49 PM	44855
Motor Oil Range Organics (MRO)	ND	65		mg/Kg-dr	1	5/13/2019 8:24:49 PM	44855
Surr: DNOP	71.3	70-130		%Rec	1	5/13/2019 8:24:49 PM	44855
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.4		mg/Kg-dr	1	5/14/2019 1:33:48 AM	44846
Surr: BFB	94.1	73.8-119		%Rec	1	5/14/2019 1:33:48 AM	44846
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.032		mg/Kg-dr	1	5/14/2019 1:33:48 AM	44846
Toluene	ND	0.064		mg/Kg-dr	1	5/14/2019 1:33:48 AM	44846
Ethylbenzene	ND	0.064		mg/Kg-dr	1	5/14/2019 1:33:48 AM	44846
Xylenes, Total	ND	0.13		mg/Kg-dr	1	5/14/2019 1:33:48 AM	44846
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	5/14/2019 1:33:48 AM	44846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU #315
Lab ID: 1905494-004 **Matrix:** SOIL

Client Sample ID: SA-105
Collection Date: 5/8/2019 11:05:00 AM
Received Date: 5/9/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	12	1.0		wt%	1	5/10/2019 4:32:00 PM	R59848
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	ND	68		mg/Kg-dr	20	5/13/2019 4:46:24 PM	44872
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	5/13/2019 8:49:22 PM	44855
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	5/13/2019 8:49:22 PM	44855
Surr: DNOP	73.8	70-130		%Rec	1	5/13/2019 8:49:22 PM	44855
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	5/14/2019 1:57:03 AM	44846
Surr: BFB	94.4	73.8-119		%Rec	1	5/14/2019 1:57:03 AM	44846
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.028		mg/Kg-dr	1	5/14/2019 1:57:03 AM	44846
Toluene	ND	0.056		mg/Kg-dr	1	5/14/2019 1:57:03 AM	44846
Ethylbenzene	ND	0.056		mg/Kg-dr	1	5/14/2019 1:57:03 AM	44846
Xylenes, Total	ND	0.11		mg/Kg-dr	1	5/14/2019 1:57:03 AM	44846
Surr: 4-Bromofluorobenzene	91.8	80-120		%Rec	1	5/14/2019 1:57:03 AM	44846

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU #315
Lab ID: 1905494-005 **Matrix:** AQUEOUS

Client Sample ID: FB-5819
Collection Date: 5/8/2019 12:10:00 PM
Received Date: 5/9/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/10/2019 10:58:24 PM	SL59820
Toluene	ND	1.0		µg/L	1	5/10/2019 10:58:24 PM	SL59820
Ethylbenzene	ND	1.0		µg/L	1	5/10/2019 10:58:24 PM	SL59820
Xylenes, Total	ND	1.5		µg/L	1	5/10/2019 10:58:24 PM	SL59820
Surr: 1,2-Dichloroethane-d4	86.3	70-130		%Rec	1	5/10/2019 10:58:24 PM	SL59820
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	5/10/2019 10:58:24 PM	SL59820
Surr: Dibromofluoromethane	104	70-130		%Rec	1	5/10/2019 10:58:24 PM	SL59820
Surr: Toluene-d8	89.2	70-130		%Rec	1	5/10/2019 10:58:24 PM	SL59820

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU #315
Lab ID: 1905494-006
Matrix: AQUEOUS
Client Sample ID: RB-5819
Collection Date: 5/8/2019 12:15:00 PM
Received Date: 5/9/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/13/2019 2:42:04 PM	SL59856
Toluene	ND	1.0		µg/L	1	5/13/2019 2:42:04 PM	SL59856
Ethylbenzene	ND	1.0		µg/L	1	5/13/2019 2:42:04 PM	SL59856
Xylenes, Total	ND	1.5		µg/L	1	5/13/2019 2:42:04 PM	SL59856
Surr: 1,2-Dichloroethane-d4	85.8	70-130		%Rec	1	5/13/2019 2:42:04 PM	SL59856
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	5/13/2019 2:42:04 PM	SL59856
Surr: Dibromofluoromethane	95.1	70-130		%Rec	1	5/13/2019 2:42:04 PM	SL59856
Surr: Toluene-d8	88.6	70-130		%Rec	1	5/13/2019 2:42:04 PM	SL59856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU #315
Lab ID: 1905494-007
Matrix: AQUEOUS
Client Sample ID: Trip Blank
Collection Date:
Received Date: 5/9/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	5/13/2019 3:10:44 PM	SL59856
Toluene	ND	1.0		µg/L	1	5/13/2019 3:10:44 PM	SL59856
Ethylbenzene	ND	1.0		µg/L	1	5/13/2019 3:10:44 PM	SL59856
Xylenes, Total	ND	1.5		µg/L	1	5/13/2019 3:10:44 PM	SL59856
Surr: 1,2-Dichloroethane-d4	88.6	70-130		%Rec	1	5/13/2019 3:10:44 PM	SL59856
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	5/13/2019 3:10:44 PM	SL59856
Surr: Dibromofluoromethane	95.8	70-130		%Rec	1	5/13/2019 3:10:44 PM	SL59856
Surr: Toluene-d8	89.2	70-130		%Rec	1	5/13/2019 3:10:44 PM	SL59856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905494**

17-May-19

Client: Enduring Resources

Project: NEU #315

Sample ID: **MB-44872**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **44872**	RunNo: **59828**
Prep Date: **5/13/2019**	Analysis Date: **5/13/2019**	SeqNo: **2019065** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-44872**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **44872**	RunNo: **59828**
Prep Date: **5/13/2019**	Analysis Date: **5/13/2019**	SeqNo: **2019066** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.7	90	110			

Qualifiers:

- `*` Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905494**

17-May-19

Client: Enduring Resources

Project: NEU #315

Sample ID: **LCS-44855**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **44855**	RunNo: **59825**
Prep Date: **5/10/2019**	Analysis Date: **5/13/2019**	SeqNo: **2018051** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.2	63.9	124			
Surr: DNOP	4.2		5.000		83.2	70	130			

Sample ID: **MB-44855**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **44855**	RunNo: **59825**
Prep Date: **5/10/2019**	Analysis Date: **5/13/2019**	SeqNo: **2018052** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		86.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905494**

17-May-19

Client: Enduring Resources
Project: NEU #315

Sample ID: **MB-44846**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **44846**	RunNo: **59831**							
Prep Date: **5/10/2019**	Analysis Date: **5/13/2019**	SeqNo: **2018468**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.8	73.8	119			

Sample ID: **LCS-44846**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **44846**	RunNo: **59831**							
Prep Date: **5/10/2019**	Analysis Date: **5/13/2019**	SeqNo: **2018469**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.8	80.1	123			
Surr: BFB	1100		1000		107	73.8	119			

Sample ID: **1905494-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **SA-003**	Batch ID: **44846**	RunNo: **59831**							
Prep Date: **5/10/2019**	Analysis Date: **5/13/2019**	SeqNo: **2018471**	Units: **mg/Kg-dry**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	5.8	29.17	0	111	69.1	142			
Surr: BFB	1200		1167		106	73.8	119			

Sample ID: **1905494-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **SA-003**	Batch ID: **44846**	RunNo: **59831**							
Prep Date: **5/10/2019**	Analysis Date: **5/14/2019**	SeqNo: **2018472**	Units: **mg/Kg-dry**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	34	5.9	29.49	0	114	69.1	142	3.77	20	
Surr: BFB	1300		1179		107	73.8	119	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S %Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905494**

17-May-19

Client: Enduring Resources

Project: NEU #315

Sample ID: MB-44846	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles
Client ID: PBS	Batch ID: 44846	RunNo: 59831
Prep Date: 5/10/2019	Analysis Date: 5/13/2019	SeqNo: 2018511 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.0	80	120			

Sample ID: LCS-44846	SampType: LCS	TestCode: EPA Method 8021B: Volatiles
Client ID: LCSS	Batch ID: 44846	RunNo: 59831
Prep Date: 5/10/2019	Analysis Date: 5/13/2019	SeqNo: 2018512 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.0	80	120			
Toluene	0.92	0.050	1.000	0	92.1	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.0	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.1	80	120			

Sample ID: 1905494-002AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles
Client ID: SA-004	Batch ID: 44846	RunNo: 59831
Prep Date: 5/10/2019	Analysis Date: 5/14/2019	SeqNo: 2018515 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.035	1.381	0	84.1	63.9	127			
Toluene	1.2	0.069	1.381	0.01388	85.7	69.9	131			
Ethylbenzene	1.2	0.069	1.381	0	87.7	71	132			
Xylenes, Total	3.7	0.14	4.143	0.01962	87.7	71.8	131			
Surr: 4-Bromofluorobenzene	1.3		1.381		92.7	80	120			

Sample ID: 1905494-002AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles
Client ID: SA-004	Batch ID: 44846	RunNo: 59831
Prep Date: 5/10/2019	Analysis Date: 5/14/2019	SeqNo: 2018516 Units: mg/Kg-dry

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.034	1.363	0	90.4	63.9	127	5.91	20	
Toluene	1.3	0.068	1.363	0.01388	93.8	69.9	131	7.65	20	
Ethylbenzene	1.3	0.068	1.363	0	94.9	71	132	6.54	20	
Xylenes, Total	3.9	0.14	4.090	0.01962	95.3	71.8	131	7.00	20	
Surr: 4-Bromofluorobenzene	1.3		1.363		96.6	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S %s Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905494**

17-May-19

Client: Enduring Resources

Project: NEU #315

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260: Volatiles Short List
Client ID: LCSW	Batch ID: SL59820	RunNo: 59820
Prep Date:	Analysis Date: 5/10/2019	SeqNo: 2017855 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.9	70	130			
Toluene	19	1.0	20.00	0	94.3	70	130			
Surr: 1,2-Dichloroethane-d4	8.7		10.00		86.6	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.5	70	130			
Surr: Dibromofluoromethane	10		10.00		104	70	130			
Surr: Toluene-d8	8.8		10.00		88.0	70	130			

Sample ID: 1905494-005a ms	SampType: MS	TestCode: EPA Method 8260: Volatiles Short List
Client ID: FB-5819	Batch ID: SL59820	RunNo: 59820
Prep Date:	Analysis Date: 5/10/2019	SeqNo: 2017857 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.1	70	130			
Toluene	19	1.0	20.00	0	93.4	70	130			
Surr: 1,2-Dichloroethane-d4	8.5		10.00		84.7	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		92.8	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	8.7		10.00		87.1	70	130			

Sample ID: 1905494-005a msd	SampType: MSD	TestCode: EPA Method 8260: Volatiles Short List
Client ID: FB-5819	Batch ID: SL59820	RunNo: 59820
Prep Date:	Analysis Date: 5/10/2019	SeqNo: 2017858 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	92.1	70	130	6.23	20	
Toluene	18	1.0	20.00	0	90.8	70	130	2.85	20	
Surr: 1,2-Dichloroethane-d4	8.6		10.00		85.9	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.6		10.00		95.7	70	130	0	0	
Surr: Dibromofluoromethane	10		10.00		103	70	130	0	0	
Surr: Toluene-d8	8.9		10.00		89.0	70	130	0	0	

Sample ID: rb	SampType: MBLK	TestCode: EPA Method 8260: Volatiles Short List
Client ID: PBW	Batch ID: SL59820	RunNo: 59820
Prep Date:	Analysis Date: 5/10/2019	SeqNo: 2017859 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S %Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905494**

17-May-19

Client: Enduring Resources
Project: NEU #315

Sample ID: rb	SampType: MBLK	TestCode: EPA Method 8260: Volatiles Short List
Client ID: PBW	Batch ID: SL59820	RunNo: 59820
Prep Date:	Analysis Date: 5/10/2019	SeqNo: 2017859 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.8		10.00		88.0	70	130			
Surr: 4-Bromofluorobenzene	9.2		10.00		92.1	70	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	9.0		10.00		90.2	70	130			

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260: Volatiles Short List
Client ID: LCSW	Batch ID: SL59856	RunNo: 59856
Prep Date:	Analysis Date: 5/13/2019	SeqNo: 2019130 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	83.7	70	130			
Toluene	18	1.0	20.00	0	89.7	70	130			
Surr: 1,2-Dichloroethane-d4	8.6		10.00		85.8	70	130			
Surr: 4-Bromofluorobenzene	9.1		10.00		90.5	70	130			
Surr: Dibromofluoromethane	9.5		10.00		95.4	70	130			
Surr: Toluene-d8	8.8		10.00		88.5	70	130			

Sample ID: rb	SampType: MBLK	TestCode: EPA Method 8260: Volatiles Short List
Client ID: PBW	Batch ID: SL59856	RunNo: 59856
Prep Date:	Analysis Date: 5/13/2019	SeqNo: 2019133 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.4		10.00		84.0	70	130			
Surr: 4-Bromofluorobenzene	9.0		10.00		89.9	70	130			
Surr: Dibromofluoromethane	9.5		10.00		95.4	70	130			
Surr: Toluene-d8	8.8		10.00		88.4	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **ENDURING RESOURCE** Work Order Number: **1905494** RcptNo: 1

Received By: **Erin Melendrez** **5/9/2019 8:15:00 AM**

Completed By: **Erin Melendrez** **5/9/2019 2:09:43 PM**

Reviewed By: UB 5/9/19

UB: ENM 5/9/19

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: ENM 5/9/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			
2	3.2	Good	Yes			
3	4.1	Good	Yes			

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☒ EDD (Type) PDF

Turn-Around Time:
☒ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler: EC, CM
On Ice: ☒ Yes ☐ No
of Coolers: 3
Cooler Temp(including CF): 1.3°C, 3.2°C, 4.1°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905494	BTEX + ~~MTBE~~ + ~~TMB's~~ (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, ~~NO_3~~, ~~NO_2~~, ~~PO_4~~, ~~SO_4~~	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
5-8-19	10:45	Soil	SA-003	4oz Jar	Cool	-001	X	X					X			
	10:38		SA-004			-002	X	X					X			
	10:32		SA-005			-003	X	X					X			
	11:05		SA-105			-004	X	X					X			
	12:10	Aqueous	FB-5819	3VOA	HCL	-005	X									
	12:15		RB-5819	3VOA	HCL	-006	X									
			TB-D	2VOA	HCL	-007	X									

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
5/8/19	1402				5/8/19	1402
				Courier	5/9/19	0815

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 25, 2019

James McDaniel
Enduring Resources
332 Road 3100
Aztec, NM 87140
TEL:
FAX:

RE: NEU 315 H

OrderNo.: 1906782

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 19 sample(s) on 6/14/2019 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued June 24, 2019.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-001 **Matrix:** SOIL

Client Sample ID: EX-SW01
Collection Date: 6/13/2019 10:15:00 AM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	3.8	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	82	62		mg/Kg-dr	20	6/20/2019 5:47:32 PM	45694
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg-dr	1	6/17/2019 10:01:51 PM	45612
Surr: BFB	105	70-130		%Rec	1	6/17/2019 10:01:51 PM	45612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	6/19/2019 4:47:23 PM	45653
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	6/19/2019 4:47:23 PM	45653
Surr: DNOP	95.1	70-130		%Rec	1	6/19/2019 4:47:23 PM	45653
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg-dr	1	6/17/2019 10:01:51 PM	45612
Toluene	ND	0.051		mg/Kg-dr	1	6/17/2019 10:01:51 PM	45612
Ethylbenzene	ND	0.051		mg/Kg-dr	1	6/17/2019 10:01:51 PM	45612
Xylenes, Total	ND	0.10		mg/Kg-dr	1	6/17/2019 10:01:51 PM	45612
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	6/17/2019 10:01:51 PM	45612
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	6/17/2019 10:01:51 PM	45612
Surr: Dibromofluoromethane	120	70-130		%Rec	1	6/17/2019 10:01:51 PM	45612
Surr: Toluene-d8	92.2	70-130		%Rec	1	6/17/2019 10:01:51 PM	45612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-002 **Matrix:** SOIL

Client Sample ID: EX-SW02
Collection Date: 6/13/2019 10:25:00 AM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	4.9	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	80	63		mg/Kg-dr	20	6/20/2019 5:59:56 PM	45694
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg-dr	1	6/17/2019 10:30:42 PM	45612
Surr: BFB	109	70-130		%Rec	1	6/17/2019 10:30:42 PM	45612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	6/19/2019 6:01:08 PM	45653
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	6/19/2019 6:01:08 PM	45653
Surr: DNOP	75.7	70-130		%Rec	1	6/19/2019 6:01:08 PM	45653
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	6/17/2019 10:30:42 PM	45612
Toluene	ND	0.051		mg/Kg-dr	1	6/17/2019 10:30:42 PM	45612
Ethylbenzene	ND	0.051		mg/Kg-dr	1	6/17/2019 10:30:42 PM	45612
Xylenes, Total	ND	0.10		mg/Kg-dr	1	6/17/2019 10:30:42 PM	45612
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	6/17/2019 10:30:42 PM	45612
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	6/17/2019 10:30:42 PM	45612
Surr: Dibromofluoromethane	120	70-130		%Rec	1	6/17/2019 10:30:42 PM	45612
Surr: Toluene-d8	95.3	70-130		%Rec	1	6/17/2019 10:30:42 PM	45612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	%R Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1906782**
Date Reported: **6/25/2019**

CLIENT: Enduring Resources
Project: NEU 31S 11
Lab ID: 1906782-003 **Matrix:** SOIL

Client Sample ID: FX-FS01
Collection Date: 6/13/2019 10:30:00 AM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	5.8	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	63		mg/Kg-dr	20	6/20/2019 6:12:21 PM	45694
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	5.7	5.2		mg/Kg-dr	1	6/17/2019 10:59:32 PM	45612
Surr: BFB	112	70-130		%Rec	1	6/17/2019 10:59:32 PM	45612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	410	11		mg/Kg-dr	1	6/19/2019 11:29:14 AM	45653
Motor Oil Range Organics (MRO)	160	53		mg/Kg-dr	1	6/19/2019 11:29:14 AM	45653
Surr: DNOP	108	70-130		%Rec	1	6/19/2019 11:29:14 AM	45653
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.026		mg/Kg-dr	1	6/17/2019 10:59:32 PM	45612
Toluene	ND	0.052		mg/Kg-dr	1	6/17/2019 10:59:32 PM	45612
Ethylbenzene	ND	0.052		mg/Kg-dr	1	6/17/2019 10:59:32 PM	45612
Xylenes, Total	ND	0.10		mg/Kg-dr	1	6/17/2019 10:59:32 PM	45612
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	6/17/2019 10:59:32 PM	45612
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	6/17/2019 10:59:32 PM	45612
Surr: Dibromofluoromethane	120	70-130		%Rec	1	6/17/2019 10:59:32 PM	45612
Surr: Toluene-d8	96.0	70-130		%Rec	1	6/17/2019 10:59:32 PM	45612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1906782**
Date Reported: **6/25/2019**

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-004 **Matrix:** SOIL

Client Sample ID: EX-FS02
Collection Date: 6/13/2019 10:38:00 AM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	1.7	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	70	61		mg/Kg-dr	20	6/20/2019 7:14:25 PM	45694
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg-dr	1	6/17/2019 11:28:12 PM	45612
Surr: BFB	108	70-130		%Rec	1	6/17/2019 11:28:12 PM	45612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg-dr	1	6/19/2019 6:26:07 PM	45653
Motor Oil Range Organics (MRO)	ND	48		mg/Kg-dr	1	6/19/2019 6:26:07 PM	45653
Surr: DNOP	90.9	70-130		%Rec	1	6/19/2019 6:26:07 PM	45653
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg-dr	1	6/17/2019 11:28:12 PM	45612
Toluene	ND	0.051		mg/Kg-dr	1	6/17/2019 11:28:12 PM	45612
Ethylbenzene	ND	0.051		mg/Kg-dr	1	6/17/2019 11:28:12 PM	45612
Xylenes, Total	ND	0.10		mg/Kg-dr	1	6/17/2019 11:28:12 PM	45612
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/17/2019 11:28:12 PM	45612
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	6/17/2019 11:28:12 PM	45612
Surr: Dibromofluoromethane	121	70-130		%Rec	1	6/17/2019 11:28:12 PM	45612
Surr: Toluene-d8	95.3	70-130		%Rec	1	6/17/2019 11:28:12 PM	45612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%R Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-005 **Matrix:** SOIL

Client Sample ID: SA-104R
Collection Date: 6/13/2019 10:41:00 AM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	3.1	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	62		mg/Kg-dr	20	6/20/2019 7:26:49 PM	45694
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	26	5.1		mg/Kg-dr	1	6/17/2019 11:56:54 PM	45612
Surr: BFB	111	70-130		%Rec	1	6/17/2019 11:56:54 PM	45612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	290	10		mg/Kg-dr	1	6/19/2019 6:51:01 PM	45653
Motor Oil Range Organics (MRO)	110	51		mg/Kg-dr	1	6/19/2019 6:51:01 PM	45653
Surr: DNOP	95.5	70-130		%Rec	1	6/19/2019 6:51:01 PM	45653
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg-dr	1	6/17/2019 11:56:54 PM	45612
Toluene	ND	0.051		mg/Kg-dr	1	6/17/2019 11:56:54 PM	45612
Ethylbenzene	ND	0.051		mg/Kg-dr	1	6/17/2019 11:56:54 PM	45612
Xylenes, Total	0.15	0.10		mg/Kg-dr	1	6/17/2019 11:56:54 PM	45612
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	6/17/2019 11:56:54 PM	45612
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	6/17/2019 11:56:54 PM	45612
Surr: Dibromofluoromethane	121	70-130		%Rec	1	6/17/2019 11:56:54 PM	45612
Surr: Toluene-d8	92.8	70-130		%Rec	1	6/17/2019 11:56:54 PM	45612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%R Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 11
Lab ID: 1906782-006 **Matrix:** SOIL

Client Sample ID: SA-081R
Collection Date: 6/13/2019 11:08:00 AM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	8.3	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	65		mg/Kg-dr	20	6/20/2019 7:39:14 PM	45694
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	6/18/2019 2:21:07 AM	45612
Surr: BFB	109	70-130		%Rec	1	6/18/2019 2:21:07 AM	45612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	6/19/2019 7:15:41 PM	45653
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	6/19/2019 7:15:41 PM	45653
Surr: DNOP	85.4	70-130		%Rec	1	6/19/2019 7:15:41 PM	45653
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.027		mg/Kg-dr	1	6/18/2019 2:21:07 AM	45612
Toluene	ND	0.054		mg/Kg-dr	1	6/18/2019 2:21:07 AM	45612
Ethylbenzene	ND	0.054		mg/Kg-dr	1	6/18/2019 2:21:07 AM	45612
Xylenes, Total	ND	0.11		mg/Kg-dr	1	6/18/2019 2:21:07 AM	45612
Surr: 1,2-Dichloroethane-d4	98.7	70-130		%Rec	1	6/18/2019 2:21:07 AM	45612
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	6/18/2019 2:21:07 AM	45612
Surr: Dibromofluoromethane	119	70-130		%Rec	1	6/18/2019 2:21:07 AM	45612
Surr: Toluene-d8	97.2	70-130		%Rec	1	6/18/2019 2:21:07 AM	45612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-007 **Matrix:** SOIL

Client Sample ID: SA-078R
Collection Date: 6/13/2019 11:10:00 AM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	2.4	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	61		mg/Kg-dr	20	6/20/2019 7:51:39 PM	45694
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg-dr	1	6/18/2019 2:50:02 AM	45612
Surr: BFB	110	70-130		%Rec	1	6/18/2019 2:50:02 AM	45612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg-dr	1	6/19/2019 7:40:24 PM	45653
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	6/19/2019 7:40:24 PM	45653
Surr: DNOP	91.1	70-130		%Rec	1	6/19/2019 7:40:24 PM	45653
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg-dr	1	6/18/2019 2:50:02 AM	45612
Toluene	ND	0.051		mg/Kg-dr	1	6/18/2019 2:50:02 AM	45612
Ethylbenzene	ND	0.051		mg/Kg-dr	1	6/18/2019 2:50:02 AM	45612
Xylenes, Total	ND	0.10		mg/Kg-dr	1	6/18/2019 2:50:02 AM	45612
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	6/18/2019 2:50:02 AM	45612
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	1	6/18/2019 2:50:02 AM	45612
Surr: Dibromofluoromethane	121	70-130		%Rec	1	6/18/2019 2:50:02 AM	45612
Surr: Toluene-d8	98.1	70-130		%Rec	1	6/18/2019 2:50:02 AM	45612

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-008 **Matrix:** SOIL

Client Sample ID: SA-060R
Collection Date: 6/13/2019 11:25:00 AM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	5.0	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	63		mg/Kg-dr	20	6/20/2019 8:04:03 PM	45694
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg-dr	1	6/19/2019 8:05:01 PM	45653
Motor Oil Range Organics (MRO)	ND	49		mg/Kg-dr	1	6/19/2019 8:05:01 PM	45653
Surr: DNOP	91.6	70-130		%Rec	1	6/19/2019 8:05:01 PM	45653
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dr	1	6/18/2019 11:26:14 AM	45617
Surr: BFB	102	73.8-119		%Rec	1	6/18/2019 11:26:14 AM	45617
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.026		mg/Kg-dr	1	6/18/2019 11:26:14 AM	45617
Toluene	ND	0.052		mg/Kg-dr	1	6/18/2019 11:26:14 AM	45617
Ethylbenzene	ND	0.052		mg/Kg-dr	1	6/18/2019 11:26:14 AM	45617
Xylenes, Total	ND	0.10		mg/Kg-dr	1	6/18/2019 11:26:14 AM	45617
Surr: 4-Bromofluorobenzene	99.4	80-120		%Rec	1	6/18/2019 11:26:14 AM	45617

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-009 **Matrix:** SOIL

Client Sample ID: GR-07R
Collection Date: 6/13/2019 11:36:00 AM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	17	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	72		mg/Kg-dr	20	6/20/2019 8:16:27 PM	45694
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	920	12		mg/Kg-dr	1	6/19/2019 12:02:20 PM	45653
Motor Oil Range Organics (MRO)	300	58		mg/Kg-dr	1	6/19/2019 12:02:20 PM	45653
Surr: DNOP	105	70-130		%Rec	1	6/19/2019 12:02:20 PM	45653
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	55	12		mg/Kg-dr	2	6/18/2019 12:34:08 PM	45617
Surr: BFB	373	73.8-119	S	%Rec	2	6/18/2019 12:34:08 PM	45617
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.059		mg/Kg-dr	2	6/18/2019 12:34:08 PM	45617
Toluene	ND	0.12		mg/Kg-dr	2	6/18/2019 12:34:08 PM	45617
Ethylbenzene	ND	0.12		mg/Kg-dr	2	6/18/2019 12:34:08 PM	45617
Xylenes, Total	1.1	0.24		mg/Kg-dr	2	6/18/2019 12:34:08 PM	45617
Surr: 4-Bromofluorobenzene	117	80-120		%Rec	2	6/18/2019 12:34:08 PM	45617

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%R Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1906782**
Date Reported: **6/25/2019**

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-010 **Matrix:** SOIL

Client Sample ID: SA-055R
Collection Date: 6/13/2019 11:40:00 AM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE							Analyst: **JMR**
Percent Moisture	11	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS							Analyst: **MRA**
Chloride	ND	67		mg/Kg-dr	20	6/20/2019 8:28:52 PM	45694
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **JME**
Diesel Range Organics (DRO)	14	10		mg/Kg-dr	1	6/19/2019 8:29:45 PM	45653
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	6/19/2019 8:29:45 PM	45653
Surr: DNOP	95.2	70-130		%Rec	1	6/19/2019 8:29:45 PM	45653
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	6/18/2019 3:35:11 PM	45617
Surr: BFB	106	73.8-119		%Rec	1	6/18/2019 3:35:11 PM	45617
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.028		mg/Kg-dr	1	6/18/2019 3:35:11 PM	45617
Toluene	ND	0.056		mg/Kg-dr	1	6/18/2019 3:35:11 PM	45617
Ethylbenzene	ND	0.056		mg/Kg-dr	1	6/18/2019 3:35:11 PM	45617
Xylenes, Total	ND	0.11		mg/Kg-dr	1	6/18/2019 3:35:11 PM	45617
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	6/18/2019 3:35:11 PM	45617

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	%R Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-011 **Matrix:** SOIL

Client Sample ID: SA-007R
Collection Date: 6/13/2019 12:00:00 PM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	9.0	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	100	66		mg/Kg-dr	20	6/20/2019 8:41:17 PM	45694
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	10		mg/Kg-dr	1	6/19/2019 8:54:23 PM	45653
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dr	1	6/19/2019 8:54:23 PM	45653
Surr: DNOP	90.7	70-130		%Rec	1	6/19/2019 8:54:23 PM	45653
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	6/18/2019 3:57:53 PM	45617
Surr: BFB	105	73.8-119		%Rec	1	6/18/2019 3:57:53 PM	45617
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	6/18/2019 3:57:53 PM	45617
Toluene	ND	0.054		mg/Kg-dr	1	6/18/2019 3:57:53 PM	45617
Ethylbenzene	ND	0.054		mg/Kg-dr	1	6/18/2019 3:57:53 PM	45617
Xylenes, Total	ND	0.11		mg/Kg-dr	1	6/18/2019 3:57:53 PM	45617
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	6/18/2019 3:57:53 PM	45617

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%R Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-012 **Matrix:** SOIL

Client Sample ID: SB-007-01
Collection Date: 6/13/2019 12:09:00 PM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	12	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	69		mg/Kg-dr	20	6/20/2019 8:53:42 PM	45694
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	6/19/2019 9:19:01 PM	45653
Motor Oil Range Organics (MRO)	ND	54		mg/Kg-dr	1	6/19/2019 9:19:01 PM	45653
Surr: DNOP	95.0	70-130		%Rec	1	6/19/2019 9:19:01 PM	45653
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg-dr	1	6/18/2019 4:20:31 PM	45617
Surr: BFB	104	73.8-119		%Rec	1	6/18/2019 4:20:31 PM	45617
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.028		mg/Kg-dr	1	6/18/2019 4:20:31 PM	45617
Toluene	ND	0.057		mg/Kg-dr	1	6/18/2019 4:20:31 PM	45617
Ethylbenzene	ND	0.057		mg/Kg-dr	1	6/18/2019 4:20:31 PM	45617
Xylenes, Total	ND	0.11		mg/Kg-dr	1	6/18/2019 4:20:31 PM	45617
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	6/18/2019 4:20:31 PM	45617

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1906782**
Date Reported: **6/25/2019**

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-013 **Matrix:** SOIL

Client Sample ID: SB-009-01
Collection Date: 6/13/2019 12:15:00 PM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	21	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	76		mg/Kg-dr	20	6/20/2019 9:06:06 PM	45694
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	6/19/2019 9:43:40 PM	45653
Motor Oil Range Organics (MRO)	ND	59		mg/Kg-dr	1	6/19/2019 9:43:40 PM	45653
Surr: DNOP	91.0	70-130		%Rec	1	6/19/2019 9:43:40 PM	45653
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.2		mg/Kg-dr	1	6/18/2019 4:43:15 PM	45617
Surr: BFB	103	73.8-119		%Rec	1	6/18/2019 4:43:15 PM	45617
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.031		mg/Kg-dr	1	6/18/2019 4:43:15 PM	45617
Toluene	ND	0.062		mg/Kg-dr	1	6/18/2019 4:43:15 PM	45617
Ethylbenzene	ND	0.062		mg/Kg-dr	1	6/18/2019 4:43:15 PM	45617
Xylenes, Total	ND	0.12		mg/Kg-dr	1	6/18/2019 4:43:15 PM	45617
Surr: 4-Bromofluorobenzene	99.6	80-120		%Rec	1	6/18/2019 4:43:15 PM	45617

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%R Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-014 **Matrix:** SOIL

Client Sample ID: SB-011-01
Collection Date: 6/13/2019 12:13:00 PM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	25	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg-dr	20	6/20/2019 9:43:20 PM	45694
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	13		mg/Kg-dr	1	6/19/2019 10:08:14 PM	45653
Motor Oil Range Organics (MRO)	ND	66		mg/Kg-dr	1	6/19/2019 10:08:14 PM	45653
Surr: DNOP	91.6	70-130		%Rec	1	6/19/2019 10:08:14 PM	45653
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	6.5		mg/Kg-dr	1	6/18/2019 5:51:15 PM	45617
Surr: BFB	103	73.8-119		%Rec	1	6/18/2019 5:51:15 PM	45617
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.032		mg/Kg-dr	1	6/18/2019 5:51:15 PM	45617
Toluene	ND	0.065		mg/Kg-dr	1	6/18/2019 5:51:15 PM	45617
Ethylbenzene	ND	0.065		mg/Kg-dr	1	6/18/2019 5:51:15 PM	45617
Xylenes, Total	ND	0.13		mg/Kg-dr	1	6/18/2019 5:51:15 PM	45617
Surr: 4-Bromofluorobenzene	98.5	80-120		%Rec	1	6/18/2019 5:51:15 PM	45617

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1906782**
Date Reported: **6/25/2019**

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-015 **Matrix:** SOIL

Client Sample ID: SB-C
Collection Date: 6/13/2019 12:20:00 PM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	12	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	68		mg/Kg-dr	20	6/20/2019 9:55:44 PM	45694
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	6/19/2019 10:32:43 PM	45653
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	6/19/2019 10:32:43 PM	45653
Surr: DNOP	90.9	70-130		%Rec	1	6/19/2019 10:32:43 PM	45653
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dr	1	6/18/2019 6:13:55 PM	45617
Surr: BFB	101	73.8-119		%Rec	1	6/18/2019 6:13:55 PM	45617
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.028		mg/Kg-dr	1	6/18/2019 6:13:55 PM	45617
Toluene	ND	0.056		mg/Kg-dr	1	6/18/2019 6:13:55 PM	45617
Ethylbenzene	ND	0.056		mg/Kg-dr	1	6/18/2019 6:13:55 PM	45617
Xylenes, Total	ND	0.11		mg/Kg-dr	1	6/18/2019 6:13:55 PM	45617
Surr: 4-Bromofluorobenzene	96.2	80-120		%Rec	1	6/18/2019 6:13:55 PM	45617

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-016 **Matrix:** SOIL

Client Sample ID: SA-F
Collection Date: 6/13/2019 12:22:00 PM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	9.3	1.0		wt%	1	6/17/2019 2:50:00 PM	R60716
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	66		mg/Kg-dr	20	6/20/2019 10:08:09 PM	45694
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	13	11		mg/Kg-dr	1	6/19/2019 10:57:10 PM	45653
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	6/19/2019 10:57:10 PM	45653
Surr: DNOP	90.8	70-130		%Rec	1	6/19/2019 10:57:10 PM	45653
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dr	1	6/18/2019 6:36:35 PM	45617
Surr: BFB	103	73.8-119		%Rec	1	6/18/2019 6:36:35 PM	45617
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.027		mg/Kg-dr	1	6/18/2019 6:36:35 PM	45617
Toluene	ND	0.054		mg/Kg-dr	1	6/18/2019 6:36:35 PM	45617
Ethylbenzene	ND	0.054		mg/Kg-dr	1	6/18/2019 6:36:35 PM	45617
Xylenes, Total	ND	0.11		mg/Kg-dr	1	6/18/2019 6:36:35 PM	45617
Surr: 4-Bromofluorobenzene	98.6	80-120		%Rec	1	6/18/2019 6:36:35 PM	45617

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-017
Matrix: AQUEOUS
Client Sample ID: FB-061319
Collection Date: 6/13/2019 12:53:00 PM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/19/2019 8:10:12 PM	R60797
Toluene	ND	1.0		µg/L	1	6/19/2019 8:10:12 PM	R60797
Ethylbenzene	ND	1.0		µg/L	1	6/19/2019 8:10:12 PM	R60797
Xylenes, Total	ND	1.5		µg/L	1	6/19/2019 8:10:12 PM	R60797
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	1	6/19/2019 8:10:12 PM	R60797
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/19/2019 8:10:12 PM	R60797
Surr: Dibromofluoromethane	107	70-130		%Rec	1	6/19/2019 8:10:12 PM	R60797
Surr: Toluene-d8	94.7	70-130		%Rec	1	6/19/2019 8:10:12 PM	R60797

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%R Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-018 **Matrix:** AQUEOUS

Client Sample ID: RB-061319
Collection Date: 6/13/2019 1:00:00 PM
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	6/19/2019 8:38:45 PM	R60797
Toluene	ND	1.0		µg/L	1	6/19/2019 8:38:45 PM	R60797
Ethylbenzene	ND	1.0		µg/L	1	6/19/2019 8:38:45 PM	R60797
Xylenes, Total	ND	1.5		µg/L	1	6/19/2019 8:38:45 PM	R60797
Surr: 1,2-Dichloroethane-d4	91.7	70-130		%Rec	1	6/19/2019 8:38:45 PM	R60797
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	6/19/2019 8:38:45 PM	R60797
Surr: Dibromofluoromethane	107	70-130		%Rec	1	6/19/2019 8:38:45 PM	R60797
Surr: Toluene-d8	95.4	70-130		%Rec	1	6/19/2019 8:38:45 PM	R60797

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%R Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315 H
Lab ID: 1906782-019
Client Sample ID: TB-061319
Collection Date: 6/13/2019 4:30:00 PM
Matrix: TRIP BLANK
Received Date: 6/14/2019 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/19/2019 9:07:19 PM	R60797
Toluene	ND	1.0		µg/L	1	6/19/2019 9:07:19 PM	R60797
Ethylbenzene	ND	1.0		µg/L	1	6/19/2019 9:07:19 PM	R60797
Xylenes, Total	ND	1.5		µg/L	1	6/19/2019 9:07:19 PM	R60797
Surr: 1,2-Dichloroethane-d4	91.9	70-130		%Rec	1	6/19/2019 9:07:19 PM	R60797
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/19/2019 9:07:19 PM	R60797
Surr: Dibromofluoromethane	106	70-130		%Rec	1	6/19/2019 9:07:19 PM	R60797
Surr: Toluene-d8	92.3	70-130		%Rec	1	6/19/2019 9:07:19 PM	R60797

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1906782**

25-Jun-19

Client: Enduring Resources

Project: NEU 315 H

Sample ID: **MB-45694**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **45694**	RunNo: **60817**
Prep Date: **6/19/2019**	Analysis Date: **6/20/2019**	SeqNo: **2058607** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-45694**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **45694**	RunNo: **60817**
Prep Date: **6/19/2019**	Analysis Date: **6/20/2019**	SeqNo: **2058608** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1906782**

25-Jun-19

Client: Enduring Resources

Project: NEU 315 H

Sample ID: **MB-45653**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **45653**	RunNo: **60757**
Prep Date: **6/18/2019**	Analysis Date: **6/19/2019**	SeqNo: **2056491** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.1	70	130			

Sample ID: **LCS-45653**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **45653**	RunNo: **60757**
Prep Date: **6/18/2019**	Analysis Date: **6/19/2019**	SeqNo: **2056492** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.5	63.9	124			
Surr: DNOP	4.7		5.000		94.5	70	130			

Sample ID: **1906782-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **EX-SW01**	Batch ID: **45653**	RunNo: **60757**
Prep Date: **6/18/2019**	Analysis Date: **6/19/2019**	SeqNo: **2056996** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	9.8	48.79	5.071	70.1	57	142			
Surr: DNOP	3.7		4.879		75.2	70	130			

Sample ID: **1906782-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **EX-SW01**	Batch ID: **45653**	RunNo: **60805**
Prep Date: **6/18/2019**	Analysis Date: **6/20/2019**	SeqNo: **2058358** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	51.35	5.071	84.2	57	142	20.6	20	R
Surr: DNOP	4.6		5.135		90.6	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1906782**

25-Jun-19

Client: Enduring Resources

Project: NEU 315 H

Sample ID: **MB-45617**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **45617**	RunNo: **60729**
Prep Date: **6/17/2019**	Analysis Date: **6/18/2019**	SeqNo: **2055406** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	73.8	119			

Sample ID: **LCS-45617**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **45617**	RunNo: **60729**
Prep Date: **6/17/2019**	Analysis Date: **6/18/2019**	SeqNo: **2055407** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.9	80.1	123			
Surr: BFB	1100		1000		115	73.8	119			

Sample ID: **1906782-008AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SA-060R**	Batch ID: **45617**	RunNo: **60729**
Prep Date: **6/17/2019**	Analysis Date: **6/18/2019**	SeqNo: **2055409** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.2	26.03	0	108	69.1	142			
Surr: BFB	1200		1041		114	73.8	119			

Sample ID: **1906782-008AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SA-060R**	Batch ID: **45617**	RunNo: **60729**
Prep Date: **6/17/2019**	Analysis Date: **6/18/2019**	SeqNo: **2055410** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.2	25.95	0	113	69.1	142	3.54	20	
Surr: BFB	1200		1038		116	73.8	119	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1906782**

25-Jun-19

Client: Enduring Resources

Project: NEU 315 H

Sample ID: **MB-45617**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **45617**	RunNo: **60729**
Prep Date: **6/17/2019**	Analysis Date: **6/18/2019**	SeqNo: **2055439** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.4	80	120			

Sample ID: **LCS-45617**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **45617**	RunNo: **60729**
Prep Date: **6/17/2019**	Analysis Date: **6/18/2019**	SeqNo: **2055440** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Sample ID: **1906782-009AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **GR-07R**	Batch ID: **45617**	RunNo: **60729**
Prep Date: **6/17/2019**	Analysis Date: **6/18/2019**	SeqNo: **2055444** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.3	0.060	1.198	0	112	63.9	127			
Toluene	1.4	0.12	1.198	0	115	69.9	131			
Ethylbenzene	1.5	0.12	1.198	0	125	71	132			
Xylenes, Total	5.2	0.24	3.593	1.051	116	71.8	131			
Surr: 4-Bromofluorobenzene	2.8		2.395		116	80	120			

Sample ID: **1906782-009AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **GR-07R**	Batch ID: **45617**	RunNo: **60729**
Prep Date: **6/17/2019**	Analysis Date: **6/18/2019**	SeqNo: **2055445** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.3	0.060	1.205	0	108	63.9	127	2.88	20	
Toluene	1.4	0.12	1.205	0	114	69.9	131	0.715	20	
Ethylbenzene	1.5	0.12	1.205	0	127	71	132	2.11	20	
Xylenes, Total	5.5	0.24	3.614	1.051	122	71.8	131	4.91	20	
Surr: 4-Bromofluorobenzene	2.9		2.409		120	80	120	0	0	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S %R Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1906782**

25-Jun-19

Client: Enduring Resources

Project: NEU 315 H

Sample ID: **lcs-45612**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS**	Batch ID: **45612**	RunNo: **60711**
Prep Date: **6/14/2019**	Analysis Date: **6/17/2019**	SeqNo: **2054545** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.5	70	130			
Toluene	0.95	0.050	1.000	0	95.2	70	130			
Ethylbenzene	0.97	0.050	1.000	0	97.5	70	130			
Xylenes, Total	3.0	0.10	3.000	0	100	70	130			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		102	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.9	70	130			
Surr: Dibromofluoromethane	0.59		0.5000		118	70	130			
Surr: Toluene-d8	0.48		0.5000		95.4	70	130			

Sample ID: **mb-45612**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **45612**	RunNo: **60711**
Prep Date: **6/14/2019**	Analysis Date: **6/17/2019**	SeqNo: **2054547** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.0	70	130			
Surr: Dibromofluoromethane	0.59		0.5000		118	70	130			
Surr: Toluene-d8	0.47		0.5000		94.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1906782**

25-Jun-19

Client: Enduring Resources

Project: NEU 315 H

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R60797**	RunNo: **60797**
Prep Date:	Analysis Date: **6/19/2019**	SeqNo: **2058061** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	88.9	70	130			
Toluene	18	1.0	20.00	0	87.6	70	130			
Surr: 1,2-Dichloroethane-d4	9.3		10.00		92.8	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.7	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.3		10.00		92.8	70	130			

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R60797**	RunNo: **60797**
Prep Date:	Analysis Date: **6/19/2019**	SeqNo: **2058075** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.4	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	11		10.00		105	70	130			
Surr: Toluene-d8	9.6		10.00		96.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1906782**

25-Jun-19

Client: Enduring Resources

Project: NEU 315 H

Sample ID: **lcs-45612**	SampType: **LCS**			TestCode: **EPA Method 8015D Mod: Gasoline Range**					
Client ID: **LCSS**	Batch ID: **45612**			RunNo: **60711**					
Prep Date: **6/14/2019**	Analysis Date: **6/17/2019**			SeqNo: **2054591**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.3	70	130			
Surr: BFB	540		500.0		108	70	130			

Sample ID: **mb-45612**	SampType: **MBLK**			TestCode: **EPA Method 8015D Mod: Gasoline Range**					
Client ID: **PBS**	Batch ID: **45612**			RunNo: **60711**					
Prep Date: **6/14/2019**	Analysis Date: **6/17/2019**			SeqNo: **2054592**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	550		500.0		111	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENDURING RESOURCE Work Order Number: 1906782 RcptNo: 1

Received By: Desiree Dominguez 6/14/2019 7:55:00 AM

Completed By: Leah Baca 6/14/2019 11:21:30 AM

Reviewed By:

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. VOA vials have zero headspace? Yes ☑ No ☐ No VOA Vials ☐
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐ # of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐ Adjusted?
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐ Checked by:

IO 6/14/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.0	Good	Yes			
2	1.9	Good	Yes			

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☒ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:
On Ice: ☒ Yes ☐ No
of Coolers: 2. 5.2 - 0.2 = 5.0°C.
Cooler Temp(including CF): 2.1 - 0.2 = 1.9°C

HEAL No. 1906782

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / ~~MTBE / TMB's (8021)~~	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
						-001	X	X					X			
						-002	X	X					X			
						-003	X	X					X			
						-004	X	X					X			
						-005	X	X					X			
						-006	X	X					X			
						-007	X	X					X			
						-008	X	X					X			
						-009	X	X					X			
						-010	X	X					X			
						-011	X	X					X			
						-012	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
	1630				6/13/19	1630
6/13/19	1826			Courier	6/14/19	7:55

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Chain-of-Custody Record

Client:

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

of Coolers: 2 - 5.2 - 0.2 = 5.0°

Cooler Temp (including CF): 2.1 - 0.2 = 1.9°c

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1906X2	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
						-013	X	X					X			
						-014	X	X					X			
						-015	X	X					X			
						-016	X	X					X			
						-017	X									
						-018	X									
6-13-19	10:30	↓	TB DL 13 19	2 VOAs	HCL	-019	X									
			TB-													

Analysis Request

Date	Time:	Relinquished by:	Received by:	Via:	Date	Time
	1630				6/13/19	1630
6/13/19	1826			Courier	6/14/19	7:53

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 31, 2019

James McDaniel
Enduring Resources
200 Energy Court
Farmington, NM 87401
TEL:
FAX

RE: NEU 315H OrderNo.: 1907B35

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 23 sample(s) on 7/23/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1907B35**
Date Reported: **7/31/2019**

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-001 **Matrix:** SOIL

Client Sample ID: SA-104 RR
Collection Date: 7/19/2019 10:25:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	7/25/2019 6:55:52 PM	46399
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	7/25/2019 12:18:08 PM	46377
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/25/2019 12:18:08 PM	46377
Surr: DNOP	110	70-130		%Rec	1	7/25/2019 12:18:08 PM	46377
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/25/2019 9:35:06 AM	46353
Surr: BFB	108	73.8-119		%Rec	1	7/25/2019 9:35:06 AM	46353
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/25/2019 9:35:06 AM	46353
Toluene	ND	0.049		mg/Kg	1	7/25/2019 9:35:06 AM	46353
Ethylbenzene	ND	0.049		mg/Kg	1	7/25/2019 9:35:06 AM	46353
Xylenes, Total	ND	0.099		mg/Kg	1	7/25/2019 9:35:06 AM	46353
Surr: 4-Bromofluorobenzene	90.8	80-120		%Rec	1	7/25/2019 9:35:06 AM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-002 **Matrix:** SOIL

Client Sample ID: SB-104-1RR
Collection Date: 7/19/2019 10:27:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	7/25/2019 7:08:17 PM	46399
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/25/2019 12:40:11 PM	46377
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/25/2019 12:40:11 PM	46377
Surr: DNOP	84.6	70-130		%Rec	1	7/25/2019 12:40:11 PM	46377
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 10:42:59 AM	46353
Surr: BFB	110	73.8-119		%Rec	1	7/25/2019 10:42:59 AM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 10:42:59 AM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 10:42:59 AM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 10:42:59 AM	46353
Xylenes, Total	ND	0.099		mg/Kg	1	7/25/2019 10:42:59 AM	46353
Surr: 4-Bromofluorobenzene	93.1	80-120		%Rec	1	7/25/2019 10:42:59 AM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-003 **Matrix:** SOIL

Client Sample ID: FS01R
Collection Date: 7/19/2019 10:30:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	7/25/2019 7:45:31 PM	46399
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	460	9.6		mg/Kg	1	7/27/2019 3:31:15 AM	46377
Motor Oil Range Organics (MRO)	250	48		mg/Kg	1	7/27/2019 3:31:15 AM	46377
Surr: DNOP	124	70-130		%Rec	1	7/27/2019 3:31:15 AM	46377
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/25/2019 11:51:03 AM	46353
Surr: BFB	107	73.8-119		%Rec	1	7/25/2019 11:51:03 AM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	7/25/2019 11:51:03 AM	46353
Toluene	ND	0.049		mg/Kg	1	7/25/2019 11:51:03 AM	46353
Ethylbenzene	ND	0.049		mg/Kg	1	7/25/2019 11:51:03 AM	46353
Xylenes, Total	ND	0.097		mg/Kg	1	7/25/2019 11:51:03 AM	46353
Surr: 4-Bromofluorobenzene	91.3	80-120		%Rec	1	7/25/2019 11:51:03 AM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-004 **Matrix:** SOIL

Client Sample ID: SA-106
Collection Date: 7/19/2019 10:40:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	7/25/2019 7:57:55 PM	46399
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/27/2019 4:15:50 AM	46377
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/27/2019 4:15:50 AM	46377
Surr: DNOP	110	70-130		%Rec	1	7/27/2019 4:15:50 AM	46377
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/25/2019 12:13:48 PM	46353
Surr: BFB	110	73.8-119		%Rec	1	7/25/2019 12:13:48 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 12:13:48 PM	46353
Toluene	ND	0.049		mg/Kg	1	7/25/2019 12:13:48 PM	46353
Ethylbenzene	ND	0.049		mg/Kg	1	7/25/2019 12:13:48 PM	46353
Xylenes, Total	ND	0.098		mg/Kg	1	7/25/2019 12:13:48 PM	46353
Surr: 4-Bromofluorobenzene	92.8	80-120		%Rec	1	7/25/2019 12:13:48 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-005 **Matrix:** SOIL

Client Sample ID: SB-106-1
Collection Date: 7/19/2019 10:45:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	7/25/2019 8:10:20 PM	46399
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	300	9.6		mg/Kg	1	7/25/2019 7:36:13 PM	46377
Motor Oil Range Organics (MRO)	160	48		mg/Kg	1	7/25/2019 7:36:13 PM	46377
Surr: DNOP	110	70-130		%Rec	1	7/25/2019 7:36:13 PM	46377
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	54	5.0		mg/Kg	1	7/25/2019 12:36:32 PM	46353
Surr: BFB	519	73.8-119	S	%Rec	1	7/25/2019 12:36:32 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 12:36:32 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 12:36:32 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 12:36:32 PM	46353
Xylenes, Total	0.18	0.099		mg/Kg	1	7/25/2019 12:36:32 PM	46353
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	7/25/2019 12:36:32 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-006 **Matrix:** SOIL

Client Sample ID: SB-106-3
Collection Date: 7/19/2019 10:47:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	7/25/2019 8:22:44 PM	46399
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/25/2019 7:58:31 PM	46377
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/25/2019 7:58:31 PM	46377
Surr: DNOP	98.6	70-130		%Rec	1	7/25/2019 7:58:31 PM	46377
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/25/2019 12:59:17 PM	46353
Surr: BFB	117	73.8-119		%Rec	1	7/25/2019 12:59:17 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 12:59:17 PM	46353
Toluene	ND	0.049		mg/Kg	1	7/25/2019 12:59:17 PM	46353
Ethylbenzene	ND	0.049		mg/Kg	1	7/25/2019 12:59:17 PM	46353
Xylenes, Total	ND	0.099		mg/Kg	1	7/25/2019 12:59:17 PM	46353
Surr: 4-Bromofluorobenzene	95.4	80-120		%Rec	1	7/25/2019 12:59:17 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-007 **Matrix:** SOIL

Client Sample ID: SA-107
Collection Date: 7/19/2019 11:00:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	7/25/2019 8:35:09 PM	46399
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/25/2019 8:20:40 PM	46377
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/25/2019 8:20:40 PM	46377
Surr: DNOP	99.3	70-130		%Rec	1	7/25/2019 8:20:40 PM	46377
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 1:22:03 PM	46353
Surr: BFB	106	73.8-119		%Rec	1	7/25/2019 1:22:03 PM	46353
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/25/2019 1:22:03 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 1:22:03 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 1:22:03 PM	46353
Xylenes, Total	ND	0.099		mg/Kg	1	7/25/2019 1:22:03 PM	46353
Surr: 4-Bromofluorobenzene	88.5	80-120		%Rec	1	7/25/2019 1:22:03 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-008 **Matrix:** SOIL

Client Sample ID: SB-107-1
Collection Date: 7/19/2019 10:58:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	7/25/2019 9:12:22 PM	46399
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/25/2019 8:42:56 PM	46377
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/25/2019 8:42:56 PM	46377
Surr: DNOP	96.5	70-130		%Rec	1	7/25/2019 8:42:56 PM	46377
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 1:44:47 PM	46353
Surr: BFB	110	73.8-119		%Rec	1	7/25/2019 1:44:47 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 1:44:47 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 1:44:47 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 1:44:47 PM	46353
Xylenes, Total	ND	0.099		mg/Kg	1	7/25/2019 1:44:47 PM	46353
Surr: 4-Bromofluorobenzene	94.5	80-120		%Rec	1	7/25/2019 1:44:47 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315H
Lab ID: 1907B35-009 **Matrix:** SOIL

Client Sample ID: SA-108
Collection Date: 7/19/2019 11:17:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	7/25/2019 9:24:46 PM	46399
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	7/25/2019 9:05:13 PM	46377
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/25/2019 9:05:13 PM	46377
Surr: DNOP	96.5	70-130		%Rec	1	7/25/2019 9:05:13 PM	46377
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 2:07:38 PM	46353
Surr: BFB	110	73.8-119		%Rec	1	7/25/2019 2:07:38 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 2:07:38 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 2:07:38 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 2:07:38 PM	46353
Xylenes, Total	ND	0.10		mg/Kg	1	7/25/2019 2:07:38 PM	46353
Surr: 4-Bromofluorobenzene	91.4	80-120		%Rec	1	7/25/2019 2:07:38 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-010 **Matrix:** SOIL

Client Sample ID: SB-108-1
Collection Date: 7/19/2019 11:30:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	59		mg/Kg	20	7/26/2019 11:43:21 AM	46414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	17	9.1		mg/Kg	1	7/26/2019 12:52:55 PM	46394
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/26/2019 12:52:55 PM	46394
Surr: DNOP	98.9	70-130		%Rec	1	7/26/2019 12:52:55 PM	46394
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 2:30:29 PM	46353
Surr: BFB	109	73.8-119		%Rec	1	7/25/2019 2:30:29 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 2:30:29 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 2:30:29 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 2:30:29 PM	46353
Xylenes, Total	ND	0.099		mg/Kg	1	7/25/2019 2:30:29 PM	46353
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	7/25/2019 2:30:29 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-011 **Matrix:** SOIL

Client Sample ID: SA-109
Collection Date: 7/19/2019 11:31:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	7/26/2019 11:55:45 AM	46414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/26/2019 1:15:01 PM	46394
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/26/2019 1:15:01 PM	46394
Surr: DNOP	101	70-130		%Rec	1	7/26/2019 1:15:01 PM	46394
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 6:41:31 PM	46353
Surr: BFB	105	73.8-119		%Rec	1	7/25/2019 6:41:31 PM	46353
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/25/2019 6:41:31 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 6:41:31 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 6:41:31 PM	46353
Xylenes, Total	ND	0.099		mg/Kg	1	7/25/2019 6:41:31 PM	46353
Surr: 4-Bromofluorobenzene	83.0	80-120		%Rec	1	7/25/2019 6:41:31 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-012 **Matrix:** SOIL

Client Sample ID: SB-109-1
Collection Date: 7/19/2019 11:33:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	59		mg/Kg	20	7/26/2019 12:57:48 PM	46414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/26/2019 1:37:15 PM	46394
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2019 1:37:15 PM	46394
Surr: DNOP	101	70-130		%Rec	1	7/26/2019 1:37:15 PM	46394
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 7:04:17 PM	46353
Surr: BFB	108	73.8-119		%Rec	1	7/25/2019 7:04:17 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 7:04:17 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 7:04:17 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 7:04:17 PM	46353
Xylenes, Total	ND	0.10		mg/Kg	1	7/25/2019 7:04:17 PM	46353
Surr: 4-Bromofluorobenzene	88.6	80-120		%Rec	1	7/25/2019 7:04:17 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-013 **Matrix:** SOIL

Client Sample ID: SA-110
Collection Date: 7/19/2019 11:50:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	7/26/2019 1:35:02 PM	46414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/26/2019 1:59:21 PM	46394
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2019 1:59:21 PM	46394
Surr: DNOP	102	70-130		%Rec	1	7/26/2019 1:59:21 PM	46394
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 7:27:01 PM	46353
Surr: BFB	108	73.8-119		%Rec	1	7/25/2019 7:27:01 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 7:27:01 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 7:27:01 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 7:27:01 PM	46353
Xylenes, Total	ND	0.10		mg/Kg	1	7/25/2019 7:27:01 PM	46353
Surr: 4-Bromofluorobenzene	91.2	80-120		%Rec	1	7/25/2019 7:27:01 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-014 **Matrix:** SOIL

Client Sample ID: SB-110-1
Collection Date: 7/19/2019 11:51:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	61		mg/Kg	20	7/26/2019 1:47:26 PM	46414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/26/2019 3:36:55 PM	46401
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/26/2019 3:36:55 PM	46401
Surr: DNOP	107	70-130		%Rec	1	7/26/2019 3:36:55 PM	46401
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 7:49:44 PM	46353
Surr: BFB	104	73.8-119		%Rec	1	7/25/2019 7:49:44 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 7:49:44 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 7:49:44 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 7:49:44 PM	46353
Xylenes, Total	ND	0.10		mg/Kg	1	7/25/2019 7:49:44 PM	46353
Surr: 4-Bromofluorobenzene	86.1	80-120		%Rec	1	7/25/2019 7:49:44 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-015 **Matrix:** SOIL

Client Sample ID: SA111
Collection Date: 7/19/2019 12:03:00 PM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	7/26/2019 1:59:50 PM	46414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/26/2019 4:43:42 PM	46401
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/26/2019 4:43:42 PM	46401
Surr: DNOP	103	70-130		%Rec	1	7/26/2019 4:43:42 PM	46401
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/25/2019 8:12:28 PM	46353
Surr: BFB	105	73.8-119		%Rec	1	7/25/2019 8:12:28 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 8:12:28 PM	46353
Toluene	ND	0.049		mg/Kg	1	7/25/2019 8:12:28 PM	46353
Ethylbenzene	ND	0.049		mg/Kg	1	7/25/2019 8:12:28 PM	46353
Xylenes, Total	ND	0.099		mg/Kg	1	7/25/2019 8:12:28 PM	46353
Surr: 4-Bromofluorobenzene	87.9	80-120		%Rec	1	7/25/2019 8:12:28 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-016 **Matrix:** SOIL

Client Sample ID: SB-111-1
Collection Date: 7/19/2019 11:53:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	7/26/2019 2:12:14 PM	46414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/26/2019 5:05:52 PM	46401
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/26/2019 5:05:52 PM	46401
Surr: DNOP	102	70-130		%Rec	1	7/26/2019 5:05:52 PM	46401
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 8:35:09 PM	46353
Surr: BFB	106	73.8-119		%Rec	1	7/25/2019 8:35:09 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 8:35:09 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 8:35:09 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 8:35:09 PM	46353
Xylenes, Total	ND	0.10		mg/Kg	1	7/25/2019 8:35:09 PM	46353
Surr: 4-Bromofluorobenzene	89.5	80-120		%Rec	1	7/25/2019 8:35:09 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 315H
Lab ID: 1907B35-017 **Matrix:** SOIL

Client Sample ID: SB-C
Collection Date: 7/19/2019 11:53:00 AM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	7/26/2019 2:24:38 PM	46414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/26/2019 5:28:28 PM	46401
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2019 5:28:28 PM	46401
Surr: DNOP	95.3	70-130		%Rec	1	7/26/2019 5:28:28 PM	46401
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/25/2019 8:57:50 PM	46353
Surr: BFB	106	73.8-119		%Rec	1	7/25/2019 8:57:50 PM	46353
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	7/25/2019 8:57:50 PM	46353
Toluene	ND	0.049		mg/Kg	1	7/25/2019 8:57:50 PM	46353
Ethylbenzene	ND	0.049		mg/Kg	1	7/25/2019 8:57:50 PM	46353
Xylenes, Total	ND	0.098		mg/Kg	1	7/25/2019 8:57:50 PM	46353
Surr: 4-Bromofluorobenzene	88.5	80-120		%Rec	1	7/25/2019 8:57:50 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-018 **Matrix:** SOIL

Client Sample ID: SA-G
Collection Date: 7/19/2019 12:03:00 PM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	7/26/2019 3:01:52 PM	46414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/26/2019 5:50:51 PM	46401
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2019 5:50:51 PM	46401
Surr: DNOP	108	70-130		%Rec	1	7/26/2019 5:50:51 PM	46401
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 9:20:31 PM	46353
Surr: BFB	106	73.8-119		%Rec	1	7/25/2019 9:20:31 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 9:20:31 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 9:20:31 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 9:20:31 PM	46353
Xylenes, Total	ND	0.099		mg/Kg	1	7/25/2019 9:20:31 PM	46353
Surr: 4-Bromofluorobenzene	88.6	80-120		%Rec	1	7/25/2019 9:20:31 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-019 **Matrix:** SOIL

Client Sample ID: SB-003-1
Collection Date: 7/19/2019 12:11:00 PM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	7/26/2019 3:14:17 PM	46414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/26/2019 6:13:15 PM	46401
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2019 6:13:15 PM	46401
Surr: DNOP	92.9	70-130		%Rec	1	7/26/2019 6:13:15 PM	46401
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/25/2019 9:43:12 PM	46353
Surr: BFB	111	73.8-119		%Rec	1	7/25/2019 9:43:12 PM	46353
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/25/2019 9:43:12 PM	46353
Toluene	ND	0.049		mg/Kg	1	7/25/2019 9:43:12 PM	46353
Ethylbenzene	ND	0.049		mg/Kg	1	7/25/2019 9:43:12 PM	46353
Xylenes, Total	ND	0.098		mg/Kg	1	7/25/2019 9:43:12 PM	46353
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	7/25/2019 9:43:12 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-020 **Matrix:** SOIL

Client Sample ID: SB-005-1
Collection Date: 7/19/2019 12:13:00 PM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: **CAS**
Chloride	ND	61		mg/Kg	20	7/26/2019 3:26:42 PM	46414
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **BRM**
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	7/26/2019 6:35:41 PM	46401
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/26/2019 6:35:41 PM	46401
Surr: DNOP	98.3	70-130		%Rec	1	7/26/2019 6:35:41 PM	46401
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/25/2019 10:06:00 PM	46353
Surr: BFB	111	73.8-119		%Rec	1	7/25/2019 10:06:00 PM	46353
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/25/2019 10:06:00 PM	46353
Toluene	ND	0.050		mg/Kg	1	7/25/2019 10:06:00 PM	46353
Ethylbenzene	ND	0.050		mg/Kg	1	7/25/2019 10:06:00 PM	46353
Xylenes, Total	ND	0.10		mg/Kg	1	7/25/2019 10:06:00 PM	46353
Surr: 4-Bromofluorobenzene	91.9	80-120		%Rec	1	7/25/2019 10:06:00 PM	46353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-021 **Matrix:** AQUEOUS

Client Sample ID: RB-71919
Collection Date: 7/19/2019 12:20:00 PM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/24/2019 4:53:00 PM	R61627
Toluene	ND	1.0		µg/L	1	7/24/2019 4:53:00 PM	R61627
Ethylbenzene	ND	1.0		µg/L	1	7/24/2019 4:53:00 PM	R61627
Xylenes, Total	ND	1.5		µg/L	1	7/24/2019 4:53:00 PM	R61627
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	7/24/2019 4:53:00 PM	R61627
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	7/24/2019 4:53:00 PM	R61627
Surr: Dibromofluoromethane	95.7	70-130		%Rec	1	7/24/2019 4:53:00 PM	R61627
Surr: Toluene-d8	98.5	70-130		%Rec	1	7/24/2019 4:53:00 PM	R61627

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-022 **Matrix:** AQUEOUS

Client Sample ID: FB-71919
Collection Date: 7/19/2019 12:25:00 PM
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	7/24/2019 5:18:00 PM	R61627
Toluene	ND	1.0		µg/L	1	7/24/2019 5:18:00 PM	R61627
Ethylbenzene	ND	1.0		µg/L	1	7/24/2019 5:18:00 PM	R61627
Xylenes, Total	ND	1.5		µg/L	1	7/24/2019 5:18:00 PM	R61627
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	7/24/2019 5:18:00 PM	R61627
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	7/24/2019 5:18:00 PM	R61627
Surr: Dibromofluoromethane	97.8	70-130		%Rec	1	7/24/2019 5:18:00 PM	R61627
Surr: Toluene-d8	97.7	70-130		%Rec	1	7/24/2019 5:18:00 PM	R61627

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1907B35-023 **Matrix:** AQUEOUS

Client Sample ID: Trip Blank
Collection Date:
Received Date: 7/23/2019 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	7/24/2019 5:42:00 PM	R61627
Toluene	ND	1.0		µg/L	1	7/24/2019 5:42:00 PM	R61627
Ethylbenzene	ND	1.0		µg/L	1	7/24/2019 5:42:00 PM	R61627
Xylenes, Total	ND	1.5		µg/L	1	7/24/2019 5:42:00 PM	R61627
Surr: 1,2-Dichloroethane-d4	98.9	70-130		%Rec	1	7/24/2019 5:42:00 PM	R61627
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	7/24/2019 5:42:00 PM	R61627
Surr: Dibromofluoromethane	94.3	70-130		%Rec	1	7/24/2019 5:42:00 PM	R61627
Surr: Toluene-d8	97.5	70-130		%Rec	1	7/24/2019 5:42:00 PM	R61627

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1907B35**

31-Jul-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **MB-46399**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **46399**	RunNo: **61687**							
Prep Date: **7/25/2019**	Analysis Date: **7/25/2019**	SeqNo: **2091060**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-46399**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **46399**	RunNo: **61687**							
Prep Date: **7/25/2019**	Analysis Date: **7/25/2019**	SeqNo: **2091061**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	90	110			

Sample ID: **MB-46414**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **46414**	RunNo: **61674**							
Prep Date: **7/26/2019**	Analysis Date: **7/26/2019**	SeqNo: **2091616**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-46414**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **46414**	RunNo: **61674**							
Prep Date: **7/26/2019**	Analysis Date: **7/26/2019**	SeqNo: **2091617**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1907B35**

31-Jul-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: LCS-46344	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 46344	RunNo: 61604
Prep Date: 7/23/2019	Analysis Date: 7/25/2019	SeqNo: 2089021 Units: %Rec

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		85.8	70	130			

Sample ID: MB-46344	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 46344	RunNo: 61604
Prep Date: 7/23/2019	Analysis Date: 7/25/2019	SeqNo: 2089025 Units: %Rec

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		111	70	130			

Sample ID: LCS-46377	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 46377	RunNo: 61651
Prep Date: 7/24/2019	Analysis Date: 7/25/2019	SeqNo: 2089810 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.5	63.9	124			
Surr: DNOP	4.3		5.000		85.5	70	130			

Sample ID: MB-46377	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 46377	RunNo: 61651
Prep Date: 7/24/2019	Analysis Date: 7/25/2019	SeqNo: 2089811 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.9	70	130			

Sample ID: LCS-46394	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 46394	RunNo: 61668
Prep Date: 7/25/2019	Analysis Date: 7/26/2019	SeqNo: 2091169 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.7	63.9	124			
Surr: DNOP	4.4		5.000		88.6	70	130			

Sample ID: MB-46394	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 46394	RunNo: 61668
Prep Date: 7/25/2019	Analysis Date: 7/26/2019	SeqNo: 2091171 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S %Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1907B35**

31-Jul-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **MB-46394**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **46394**	RunNo: **61668**
Prep Date: **7/25/2019**	Analysis Date: **7/26/2019**	SeqNo: **2091171** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		90.7	70	130			

Sample ID: **1907B35-014AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SB-110-1**	Batch ID: **46401**	RunNo: **61669**
Prep Date: **7/25/2019**	Analysis Date: **7/26/2019**	SeqNo: **2091384** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.5	47.53	0	101	57	142			
Surr: DNOP	4.5		4.753		94.8	70	130			

Sample ID: **1907B35-014AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SB-110-1**	Batch ID: **46401**	RunNo: **61669**
Prep Date: **7/25/2019**	Analysis Date: **7/26/2019**	SeqNo: **2091385** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.6	47.80	0	99.8	57	142	0.715	20	
Surr: DNOP	4.5		4.780		93.2	70	130	0	0	

Sample ID: **LCS-46401**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **46401**	RunNo: **61669**
Prep Date: **7/25/2019**	Analysis Date: **7/26/2019**	SeqNo: **2091395** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.0	63.9	124			
Surr: DNOP	4.3		5.000		85.9	70	130			

Sample ID: **MB-46401**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **46401**	RunNo: **61669**
Prep Date: **7/25/2019**	Analysis Date: **7/26/2019**	SeqNo: **2091396** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1907B35**

31-Jul-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **MB-46353**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **46353**	RunNo: **61664**							
Prep Date: **7/24/2019**	Analysis Date: **7/25/2019**	SeqNo: **2090250**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		109	73.8	119			

Sample ID: **LCS-46353**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **46353**	RunNo: **61664**							
Prep Date: **7/24/2019**	Analysis Date: **7/25/2019**	SeqNo: **2090251**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.2	80.1	123			
Surr: BFB	1200		1000		122	73.8	119			S

Sample ID: **1907B35-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **SA-104 RR**	Batch ID: **46353**	RunNo: **61664**							
Prep Date: **7/24/2019**	Analysis Date: **7/25/2019**	SeqNo: **2090253**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	24.80	0	113	69.1	142			
Surr: BFB	1200		992.1		124	73.8	119			S

Sample ID: **1907B35-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **SA-104 RR**	Batch ID: **46353**	RunNo: **61664**							
Prep Date: **7/24/2019**	Analysis Date: **7/25/2019**	SeqNo: **2090254**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	24.78	0	113	69.1	142	0.488	20	
Surr: BFB	1200		991.1		125	73.8	119	0	0	S

Sample ID: **MB-46369**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **46369**	RunNo: **61664**							
Prep Date: **7/24/2019**	Analysis Date: **7/25/2019**	SeqNo: **2090275**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		109	73.8	119			

Sample ID: **LCS-46369**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **46369**	RunNo: **61664**							
Prep Date: **7/24/2019**	Analysis Date: **7/25/2019**	SeqNo: **2090276**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1200		1000		124	73.8	119			S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1907B35**

31-Jul-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: **MB-46353**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **46353**	RunNo: **61664**
Prep Date: **7/24/2019**	Analysis Date: **7/25/2019**	SeqNo: **2090296** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		91.8	80	120			

Sample ID: **LCS-46353**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **46353**	RunNo: **61664**
Prep Date: **7/24/2019**	Analysis Date: **7/25/2019**	SeqNo: **2090297** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.3	80	120			
Toluene	0.96	0.050	1.000	0	96.1	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.7	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.1	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		97.6	80	120			

Sample ID: **1907B35-002AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SB-104-1RR**	Batch ID: **46353**	RunNo: **61664**
Prep Date: **7/24/2019**	Analysis Date: **7/25/2019**	SeqNo: **2090300** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	99.2	63.9	127			
Toluene	1.0	0.050	1.000	0.004386	99.4	69.9	131			
Ethylbenzene	0.98	0.050	1.000	0	98.4	71	132			
Xylenes, Total	3.0	0.10	3.000	0	98.4	71.8	131			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.5	80	120			

Sample ID: **1907B35-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SB-104-1RR**	Batch ID: **46353**	RunNo: **61664**
Prep Date: **7/24/2019**	Analysis Date: **7/25/2019**	SeqNo: **2090301** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9930	0	100	63.9	127	0.594	20	
Toluene	1.0	0.050	0.9930	0.004386	102	69.9	131	1.65	20	
Ethylbenzene	1.0	0.050	0.9930	0	101	71	132	2.26	20	
Xylenes, Total	3.0	0.099	2.979	0	101	71.8	131	1.81	20	
Surr: 4-Bromofluorobenzene	0.95		0.9930		96.1	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1907B35**

31-Jul-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R61627**	RunNo: **61627**
Prep Date:	Analysis Date: **7/24/2019**	SeqNo: **2088804** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.1	70	130			
Toluene	20	1.0	20.00	0	98.2	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.9	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.4	70	130			
Surr: Dibromofluoromethane	9.3		10.00		93.1	70	130			
Surr: Toluene-d8	9.8		10.00		98.3	70	130			

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R61627**	RunNo: **61627**
Prep Date:	Analysis Date: **7/24/2019**	SeqNo: **2088805** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.9	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.3	70	130			
Surr: Dibromofluoromethane	9.5		10.00		94.6	70	130			
Surr: Toluene-d8	9.8		10.00		98.1	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **ENDURING RESOURCE** Work Order Number: **1907B35** RcptNo: **1**

Received By: **Desiree Dominguez** **7/23/2019 8:00:00 AM** DD

Completed By: **Leah Baca** **7/23/2019 8:34:52 AM** Leah S Baca

Reviewed By: DAD 7/23/19

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☐	No ☑	NA ☐
	Approved by client.		
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: Y6 7/23/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:	Daniel Burns
By Whom:	Leah Baca
Regarding:	High receiving temp
Client Instructions:	ND response continued with analysis

Date: 7/25/19 Via: ☑ eMail ☐ Phone ☐ Fax ☐ In Person

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.5	Good	Yes			
2	6.6	Good	Yes			

Chain-of-Custody Record

Client: Enduring Resources

James McDaniel

Mailing Address: 200 Energy Court

Farmington, NM 87401

Phone #: 505-636-9731

email or Fax#: jmcdaniel@enduringresources.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☒ EDD (Type) PDF

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: NEU #315H

Project #:

Project Manager: Daniel Burns

Sampler: E. Carroll/ M. Mrdjenovich

On Ice: ☒ Yes ☐ No

of Coolers: (2) 4.8 - 0.2 = 6.6°C

Cooler Temp (including CF): 2.7 - 0.2 = 2.5°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1907835	BTEX (8021)	TPH: 8015D (GRO/DRO/MRO)	Chloride
07/19/19	1150	S	SA-110	1-4 oz jar	cool	-013	X	X	X
	1151		~~SB111-1~~ SB-110-1			-014			
	1203		SA111			-015			
	1153		~~SB112-1~~ SB-111-1			-016			
	1153		SB-C			-017			
	1203		SA-G			-018			
	1211		SB003-1			-019			
	1213		SB005-1			-020			
	1220	W	RB-71919	3 VOAs	HCl	-021	X		
	1225		FB-71919	3 VOAs		-022	X		
	1230		Trip Blank F	2 VOAs		-023	X		

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
7/19/19	1513				7/19/19	1513
7/22/19	1800			Courier	7/23/19	8:00

Remarks: Report on a dry weight basis cc: dburns@ltenv.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client:	Enduring Resources
	James McDaniel
Mailing Address:	200 Energy Court
	Farmington, NM 87401
Phone #:	505-636-9731
email or Fax#:	jmcdaniel@enduringresources.com
QA/QC Package:	☐ Standard ☐ Level 4 (Full Validation)
Accreditation:	☐ Az Compliance ☐ NELAC ☐ Other
☒ EDD (Type)	PDF

Turn-Around Time:	☒ Standard ☐ Rush
Project Name:	NEU #315H
Project #:	
Project Manager:	Daniel Burns
Sampler:	E. Carroll/ M. Mrdjenovich
On Ice:	☒ Yes ☐ No
# of Coolers:	2 / 6.8 - 0.2 - 6.6 °C
Cooler Temp (including cf):	2.7 - 0.2 = 2.5 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1907B35	BTEX (8021)	TPH: 8015D (GRO/DRO/MRO)	Chloride
							Analysis Request		
07/19/19	1025	S	SA-104 RR	1-4oz jar	Cool	-001	X	X	X
	1027		SB-104-1RR			-002			
	1030		FS01R			-003			
	1040		SA-106			-004			
	1045		~~SB-107-1~~ SB-106-1			-005			
	1047		~~SB-107-3~~ SB-106-3			-006			
	1100		SA-107			-007			
	1058		~~SB-108-1~~ SB-107-1			-008			
	1117		SA-108			-009			
	1130		~~SB-109-1~~ SB-108-1			-010			
	1131		SA-109			-011			
	1133		~~SB-110-1~~ SB-109-1			-012			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
7/19/19	1513	Eric Carroll	Chantel Ward		7/19/19	1513
7/22/19	1800	Chantel Ward		Courier	7/23/19	8:00

Remarks: Report on a dry weight basis cc: dburns@itenv.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 09, 2019

James McDaniel
Enduring Resources
332 Road 3100
Aztec, NM 87140
TEL:
FAX

RE: NEU 315H OrderNo.: 1908147

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/3/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1908147-001

Client Sample ID: FX-FSO1RR
Collection Date: 8/2/2019 1:35:00 PM
Matrix: MEOH (SOIL) **Received Date:** 8/3/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **CCM**	
Percent Moisture	17	1.0		wt%	1	8/6/2019	R61938
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	71		mg/Kg-dr	20	8/6/2019 6:02:12 PM	46621
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg-dr	1	8/6/2019 5:06:43 PM	G61949
Surr: BFB	95.1	70-130		%Rec	1	8/6/2019 5:06:43 PM	G61949
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	8/7/2019 9:21:59 AM	46614
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dr	1	8/7/2019 9:21:59 AM	46614
Surr: DNOP	95.2	70-130		%Rec	1	8/7/2019 9:21:59 AM	46614
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.020		mg/Kg-dr	1	8/6/2019 5:06:43 PM	SS61949
Toluene	ND	0.039		mg/Kg-dr	1	8/6/2019 5:06:43 PM	SS61949
Ethylbenzene	ND	0.039		mg/Kg-dr	1	8/6/2019 5:06:43 PM	SS61949
Xylenes, Total	ND	0.079		mg/Kg-dr	1	8/6/2019 5:06:43 PM	SS61949
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%Rec	1	8/6/2019 5:06:43 PM	SS61949
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	8/6/2019 5:06:43 PM	SS61949
Surr: Dibromofluoromethane	103	70-130		%Rec	1	8/6/2019 5:06:43 PM	SS61949
Surr: Toluene-d8	96.1	70-130		%Rec	1	8/6/2019 5:06:43 PM	SS61949

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1908147-002

Client Sample ID: SA-106 R
Collection Date: 8/2/2019 1:30:00 PM
Matrix: MEOH (SOIL) **Received Date:** 8/3/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **CCM**	
Percent Moisture	13	1.0		wt%	1	8/6/2019	R61938
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	69		mg/Kg-dr	20	8/6/2019 6:14:36 PM	46621
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg-dr	1	8/6/2019 6:32:58 PM	G61949
Surr: BFB	93.1	70-130		%Rec	1	8/6/2019 6:32:58 PM	G61949
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	8/7/2019 9:44:15 AM	46614
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dr	1	8/7/2019 9:44:15 AM	46614
Surr: DNOP	96.2	70-130		%Rec	1	8/7/2019 9:44:15 AM	46614
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg-dr	1	8/6/2019 6:32:58 PM	SS61949
Toluene	ND	0.050		mg/Kg-dr	1	8/6/2019 6:32:58 PM	SS61949
Ethylbenzene	ND	0.050		mg/Kg-dr	1	8/6/2019 6:32:58 PM	SS61949
Xylenes, Total	ND	0.099		mg/Kg-dr	1	8/6/2019 6:32:58 PM	SS61949
Surr: 1,2-Dichloroethane-d4	94.8	70-130		%Rec	1	8/6/2019 6:32:58 PM	SS61949
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	8/6/2019 6:32:58 PM	SS61949
Surr: Dibromofluoromethane	99.9	70-130		%Rec	1	8/6/2019 6:32:58 PM	SS61949
Surr: Toluene-d8	95.7	70-130		%Rec	1	8/6/2019 6:32:58 PM	SS61949

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1908147-003

Client Sample ID: SA-H
Collection Date: 8/2/2019 1:32:00 PM
Matrix: MEOH (SOIL) **Received Date:** 8/3/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **CCM**	
Percent Moisture	13	1.0		wt%	1	8/6/2019	R61938
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	68		mg/Kg-dr	20	8/6/2019 6:27:00 PM	46621
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg-dr	1	8/6/2019 7:59:00 PM	G61949
Surr: BFB	94.9	70-130		%Rec	1	8/6/2019 7:59:00 PM	G61949
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	8/7/2019 9:19:56 AM	46614
Motor Oil Range Organics (MRO)	ND	57		mg/Kg-dr	1	8/7/2019 9:19:56 AM	46614
Surr: DNOP	96.5	70-130		%Rec	1	8/7/2019 9:19:56 AM	46614
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg-dr	1	8/6/2019 7:59:00 PM	SS61949
Toluene	ND	0.051		mg/Kg-dr	1	8/6/2019 7:59:00 PM	SS61949
Ethylbenzene	ND	0.051		mg/Kg-dr	1	8/6/2019 7:59:00 PM	SS61949
Xylenes, Total	ND	0.10		mg/Kg-dr	1	8/6/2019 7:59:00 PM	SS61949
Surr: 1,2-Dichloroethane-d4	87.5	70-130		%Rec	1	8/6/2019 7:59:00 PM	SS61949
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	8/6/2019 7:59:00 PM	SS61949
Surr: Dibromofluoromethane	91.0	70-130		%Rec	1	8/6/2019 7:59:00 PM	SS61949
Surr: Toluene-d8	92.6	70-130		%Rec	1	8/6/2019 7:59:00 PM	SS61949

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1908147-004

Client Sample ID: SB-106-01R
Collection Date: 8/2/2019 1:25:00 PM
Matrix: MEOH (SOIL) **Received Date:** 8/3/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **CCM**	
Percent Moisture	13	1.0		wt%	1	8/6/2019	R61938
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	68		mg/Kg-dr	20	8/6/2019 6:39:25 PM	46621
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg-dr	1	8/6/2019 8:27:43 PM	G61949
Surr: BFB	93.4	70-130		%Rec	1	8/6/2019 8:27:43 PM	G61949
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dr	1	8/7/2019 9:44:10 AM	46614
Motor Oil Range Organics (MRO)	ND	55		mg/Kg-dr	1	8/7/2019 9:44:10 AM	46614
Surr: DNOP	92.2	70-130		%Rec	1	8/7/2019 9:44:10 AM	46614
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg-dr	1	8/6/2019 8:27:43 PM	SS61949
Toluene	ND	0.050		mg/Kg-dr	1	8/6/2019 8:27:43 PM	SS61949
Ethylbenzene	ND	0.050		mg/Kg-dr	1	8/6/2019 8:27:43 PM	SS61949
Xylenes, Total	ND	0.099		mg/Kg-dr	1	8/6/2019 8:27:43 PM	SS61949
Surr: 1,2-Dichloroethane-d4	95.1	70-130		%Rec	1	8/6/2019 8:27:43 PM	SS61949
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	8/6/2019 8:27:43 PM	SS61949
Surr: Dibromofluoromethane	98.9	70-130		%Rec	1	8/6/2019 8:27:43 PM	SS61949
Surr: Toluene-d8	95.7	70-130		%Rec	1	8/6/2019 8:27:43 PM	SS61949

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1908147-005

Client Sample ID: GR-07RR
Collection Date: 8/2/2019 1:33:00 PM
Matrix: MEOH (SOIL) **Received Date:** 8/3/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **CCM**	
Percent Moisture	16	1.0		wt%	1	8/6/2019	R61938
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	71		mg/Kg-dr	20	8/6/2019 6:51:49 PM	46621
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	77	4.7		mg/Kg-dr	1	8/6/2019 8:56:25 PM	G61949
Surr: BFB	94.1	70-130		%Rec	1	8/6/2019 8:56:25 PM	G61949
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	1900	120		mg/Kg-dr	10	8/7/2019 8:55:34 AM	46614
Motor Oil Range Organics (MRO)	650	580		mg/Kg-dr	10	8/7/2019 8:55:34 AM	46614
Surr: DNOP	0	70-130	S	%Rec	10	8/7/2019 8:55:34 AM	46614
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.024		mg/Kg-dr	1	8/6/2019 8:56:25 PM	SS61949
Toluene	ND	0.047		mg/Kg-dr	1	8/6/2019 8:56:25 PM	SS61949
Ethylbenzene	ND	0.047		mg/Kg-dr	1	8/6/2019 8:56:25 PM	SS61949
Xylenes, Total	0.13	0.094		mg/Kg-dr	1	8/6/2019 8:56:25 PM	SS61949
Surr: 1,2-Dichloroethane-d4	98.2	70-130		%Rec	1	8/6/2019 8:56:25 PM	SS61949
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	8/6/2019 8:56:25 PM	SS61949
Surr: Dibromofluoromethane	96.2	70-130		%Rec	1	8/6/2019 8:56:25 PM	SS61949
Surr: Toluene-d8	90.1	70-130		%Rec	1	8/6/2019 8:56:25 PM	SS61949

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1908147-006 **Matrix:** AQUEOUS

Client Sample ID: RB-080219
Collection Date: 8/2/2019 2:03:00 PM
Received Date: 8/3/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	8/6/2019 5:09:00 PM	SL61932
Toluene	ND	1.0		µg/L	1	8/6/2019 5:09:00 PM	SL61932
Ethylbenzene	ND	1.0		µg/L	1	8/6/2019 5:09:00 PM	SL61932
Xylenes, Total	ND	1.5		µg/L	1	8/6/2019 5:09:00 PM	SL61932
Surr: 1,2-Dichloroethane-d4	90.0	70-130		%Rec	1	8/6/2019 5:09:00 PM	SL61932
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	8/6/2019 5:09:00 PM	SL61932
Surr: Dibromofluoromethane	92.7	70-130		%Rec	1	8/6/2019 5:09:00 PM	SL61932
Surr: Toluene-d8	91.9	70-130		%Rec	1	8/6/2019 5:09:00 PM	SL61932

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	%R Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1908147-007 **Matrix:** AQUEOUS

Client Sample ID: FB-080219
Collection Date: 8/2/2019 1:55:00 PM
Received Date: 8/3/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: **CCM**
Benzene	ND	1.0		µg/L	1	8/6/2019 5:34:00 PM	SL61932
Toluene	ND	1.0		µg/L	1	8/6/2019 5:34:00 PM	SL61932
Ethylbenzene	ND	1.0		µg/L	1	8/6/2019 5:34:00 PM	SL61932
Xylenes, Total	ND	1.5		µg/L	1	8/6/2019 5:34:00 PM	SL61932
Surr: 1,2-Dichloroethane-d4	90.3	70-130		%Rec	1	8/6/2019 5:34:00 PM	SL61932
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	8/6/2019 5:34:00 PM	SL61932
Surr: Dibromofluoromethane	92.3	70-130		%Rec	1	8/6/2019 5:34:00 PM	SL61932
Surr: Toluene-d8	92.9	70-130		%Rec	1	8/6/2019 5:34:00 PM	SL61932

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Client Sample ID: TB-080219
Project: NEU 31511
Collection Date:
Lab ID: 1908147-008
Matrix: AQUEOUS
Received Date: 8/3/2019 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	8/6/2019 5:58:00 PM	SL61932
Toluene	ND	1.0		µg/L	1	8/6/2019 5:58:00 PM	SL61932
Ethylbenzene	ND	1.0		µg/L	1	8/6/2019 5:58:00 PM	SL61932
Xylenes, Total	ND	1.5		µg/L	1	8/6/2019 5:58:00 PM	SL61932
Surr: 1,2-Dichloroethane-d4	91.3	70-130		%Rec	1	8/6/2019 5:58:00 PM	SL61932
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	8/6/2019 5:58:00 PM	SL61932
Surr: Dibromofluoromethane	94.5	70-130		%Rec	1	8/6/2019 5:58:00 PM	SL61932
Surr: Toluene-d8	91.6	70-130		%Rec	1	8/6/2019 5:58:00 PM	SL61932

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1908147**

09-Aug-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: **MB-46621**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **46621**	RunNo: **61950**
Prep Date: **8/6/2019**	Analysis Date: **8/6/2019**	SeqNo: **2101175** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-46621**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **46621**	RunNo: **61950**
Prep Date: **8/6/2019**	Analysis Date: **8/6/2019**	SeqNo: **2101176** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.5	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1908147**

09-Aug-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: **LCS-46614**	SampType: **LCS**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **LCSS**	Batch ID: **46614**			RunNo: **61951**					
Prep Date: **8/6/2019**	Analysis Date: **8/7/2019**			SeqNo: **2101219**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	63.9	124			
Surr: DNOP	4.4		5.000		88.0	70	130			

Sample ID: **MB-46614**	SampType: **MBLK**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **PBS**	Batch ID: **46614**			RunNo: **61951**					
Prep Date: **8/6/2019**	Analysis Date: **8/7/2019**			SeqNo: **2101220**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		121	70	130			

Sample ID: **LCS-46624**	SampType: **LCS**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **LCSS**	Batch ID: **46624**			RunNo: **61951**					
Prep Date: **8/6/2019**	Analysis Date: **8/7/2019**			SeqNo: **2101649**		Units: **%Rec**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		88.2	70	130			

Sample ID: **MB-46624**	SampType: **MBLK**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **PBS**	Batch ID: **46624**			RunNo: **61951**					
Prep Date: **8/6/2019**	Analysis Date: **8/7/2019**			SeqNo: **2101650**		Units: **%Rec**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.8		10.00		87.9	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1908147**

09-Aug-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS**	Batch ID: **SS61949**	RunNo: **61949**
Prep Date:	Analysis Date: **8/6/2019**	SeqNo: **2101221** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.4	70	130			
Toluene	0.98	0.050	1.000	0	97.8	70	130			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.2	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.0	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		96.9	70	130			
Surr: Toluene-d8	0.49		0.5000		97.4	70	130			

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **SS61949**	RunNo: **61949**
Prep Date:	Analysis Date: **8/6/2019**	SeqNo: **2101222** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.4	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.2	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		97.2	70	130			
Surr: Toluene-d8	0.50		0.5000		99.8	70	130			

Sample ID: **1908147-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **EX-FSO1RR**	Batch ID: **SS61949**	RunNo: **61949**
Prep Date:	Analysis Date: **8/6/2019**	SeqNo: **2101224** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.78	0.020	0.7870	0	98.8	68.9	131			
Toluene	0.79	0.039	0.7870	0	99.9	64.3	137			
Surr: 1,2-Dichloroethane-d4	0.37		0.3935		95.0	70	130			
Surr: 4-Bromofluorobenzene	0.38		0.3935		97.3	70	130			
Surr: Dibromofluoromethane	0.39		0.3935		98.9	70	130			
Surr: Toluene-d8	0.37		0.3935		92.8	70	130			

Sample ID: **1908147-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **EX-FSO1RR**	Batch ID: **SS61949**	RunNo: **61949**
Prep Date:	Analysis Date: **8/6/2019**	SeqNo: **2101225** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.73	0.020	0.7870	0	92.5	68.9	131	6.64	20	
Toluene	0.71	0.039	0.7870	0	90.8	64.3	137	9.51	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S %Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1908147**

09-Aug-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **1908147-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **EX-FSO1RR**	Batch ID: **SS61949**	RunNo: **61949**
Prep Date:	Analysis Date: **8/6/2019**	SeqNo: **2101225** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.37		0.3935		95.2	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.37		0.3935		94.9	70	130	0	0	
Surr: Dibromofluoromethane	0.38		0.3935		97.8	70	130	0	0	
Surr: Toluene-d8	0.36		0.3935		92.4	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1908147**

09-Aug-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **SL61932**	RunNo: **61932**
Prep Date:	Analysis Date: **8/6/2019**	SeqNo: **2101007** Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	95.4	70	130			
Toluene	19	1.0	20.00	0	96.1	70	130			
Surr: 1,2-Dichloroethane-d4	9.1		10.00		91.2	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		96.9	70	130			
Surr: Dibromofluoromethane	9.4		10.00		94.2	70	130			
Surr: Toluene-d8	9.4		10.00		93.5	70	130			

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL61932**	RunNo: **61932**
Prep Date:	Analysis Date: **8/6/2019**	SeqNo: **2101008** Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.4	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		94.6	70	130			
Surr: Dibromofluoromethane	9.4		10.00		93.6	70	130			
Surr: Toluene-d8	9.3		10.00		93.4	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1908147**

09-Aug-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **G61949**	RunNo: **61949**
Prep Date:	Analysis Date: **8/6/2019**	SeqNo: **2101300** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	78.0	70	130			
Surr: BFB	450		500.0		89.3	70	130			

Sample ID: **rb**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **G61949**	RunNo: **61949**
Prep Date:	Analysis Date: **8/6/2019**	SeqNo: **2101301** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	480		500.0		96.3	70	130			

Sample ID: **1908147-002ams**	SampType: **MS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **SA-106 R**	Batch ID: **G61949**	RunNo: **61949**
Prep Date:	Analysis Date: **8/6/2019**	SeqNo: **2101553** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	5.0	24.76	0	77.2	68.2	135			
Surr: BFB	490		495.1		98.4	70	130			

Sample ID: **1908147-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **SA-106 R**	Batch ID: **G61949**	RunNo: **61949**
Prep Date:	Analysis Date: **8/6/2019**	SeqNo: **2101554** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	5.0	24.76	0	74.3	68.2	135	3.85	20	
Surr: BFB	470		495.1		95.1	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S %s Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENDURING RESOURCE Work Order Number: 1908147 RcptNo: 1

Received By: Erin Melendrez 8/3/2019 9:30:00 AM

Completed By: Erin Melendrez 8/5/2019 8:39:55 AM

Reviewed By: IO 8/5/19

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

of preserved bottles checked for pH: ____ (<2 or >12 unless noted)

Adjusted? ____

Checked by: DAD 8/5/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: ____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.6	Good	Yes			

Chain-of-Custody Record

Client: Enduring Resources

James McDaniel

Mailing Address: 200 Energy Ct.

Farmington, NM 87401

Phone #: 505-326-9731

email or Fax#: Jmcdaniel@enduringresources.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☒ EDD (Type) PDF

Turn-Around Time:

~~☒ Standard~~ ☒ Rush Results by noon 8/7

Project Name: NEU #315H

Project #: 077919003

Project Manager: James McDaniel - Enduring
Daniel Burns - LTE
Ashley Ager - LTE

Sampler: CM

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp(including cf): 5.7-0.1(CF)=5.6 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1908147	BTEX / ~~MTBE / TMB's (8021)~~	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
8-2-19	13:35	Soil	EX-FS01RR	4oz jar	COOL	-001	X	X					X			
	13:30		SA-106R			-002	X	X					X			
	13:32		SA-H			-003	X	X					X			
	13:25		SB-106-01R			-004	X	X					X			
	13:33	↓	GR-07RR	↓	↓	-005	X	X					X			
	14:03	Aqueous	RB-080219	3VOA's	HCL	-006	X									
	13:55	↓	FB-080219	3VOA's	↓	-007	X									
↓		↓	TB-080219	2VOA's	↓	-008	X									

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8-2-19	1603				8/2/19	1603
8/2/19	1810			Courier	8/3/19	0930

Remarks: Report on dry weight basis

cc: dburns@ltenv.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 11, 2019

James McDaniel
Enduring Resources
332 Road 3100
Aztec, NM 87140
TEL:
FAX:

RE: NEU 315H OrderNo.: 1909211

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/5/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1909211**
Date Reported: **9/11/2019**

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1909211-001 **Matrix:** SOIL

Client Sample ID: GR-07RRR
Collection Date: 9/4/2019 10:20:00 AM
Received Date: 9/5/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE						Analyst: **JMR**	
Percent Moisture	17	1.0		wt%	1	9/6/2019	R62758
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	72		mg/Kg-dr	20	9/10/2019 11:40:57 PM	47385
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dr	1	9/11/2019 12:38:15 AM	47353
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dr	1	9/11/2019 12:38:15 AM	47353
Surr: DNOP	103	70-130		%Rec	1	9/11/2019 12:38:15 AM	47353
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.9		mg/Kg-dr	1	9/10/2019 5:20:29 PM	47346
Surr: BFB	100	77.4-118		%Rec	1	9/10/2019 5:20:29 PM	47346
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.030		mg/Kg-dr	1	9/10/2019 5:20:29 PM	47346
Toluene	ND	0.059		mg/Kg-dr	1	9/10/2019 5:20:29 PM	47346
Ethylbenzene	ND	0.059		mg/Kg-dr	1	9/10/2019 5:20:29 PM	47346
Xylenes, Total	ND	0.12		mg/Kg-dr	1	9/10/2019 5:20:29 PM	47346
Surr: 4-Bromofluorobenzene	86.1	80-120		%Rec	1	9/10/2019 5:20:29 PM	47346

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1909211-002 **Matrix:** AQUEOUS

Client Sample ID: RB-90419
Collection Date: 9/4/2019 10:35:00 AM
Received Date: 9/5/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/6/2019 1:38:07 PM	B62709
Toluene	ND	1.0		µg/L	1	9/6/2019 1:38:07 PM	B62709
Ethylbenzene	ND	1.0		µg/L	1	9/6/2019 1:38:07 PM	B62709
Xylenes, Total	ND	2.0		µg/L	1	9/6/2019 1:38:07 PM	B62709
Surr: 4-Bromofluorobenzene	87.6	80-120		%Rec	1	9/6/2019 1:38:07 PM	B62709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	%R Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **1909211**
Date Reported: **9/11/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1909211-003 **Matrix:** AQUEOUS

Client Sample ID: FB-90419
Collection Date: 9/4/2019 10:40:00 AM
Received Date: 9/5/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/6/2019 2:48:51 PM	B62709
Toluene	ND	1.0		µg/L	1	9/6/2019 2:48:51 PM	B62709
Ethylbenzene	ND	1.0		µg/L	1	9/6/2019 2:48:51 PM	B62709
Xylenes, Total	ND	2.0		µg/L	1	9/6/2019 2:48:51 PM	B62709
Surr: 4-Bromofluorobenzene	94.5	80-120		%Rec	1	9/6/2019 2:48:51 PM	B62709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enduring Resources
Project: NEU 31511
Lab ID: 1909211-004 **Matrix:** AQUEOUS

Client Sample ID: TB-90419
Collection Date: 9/4/2019 12:00:00 PM
Received Date: 9/5/2019 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	9/6/2019 3:36:17 PM	B62709
Toluene	ND	1.0		µg/L	1	9/6/2019 3:36:17 PM	B62709
Ethylbenzene	ND	1.0		µg/L	1	9/6/2019 3:36:17 PM	B62709
Xylenes, Total	ND	2.0		µg/L	1	9/6/2019 3:36:17 PM	B62709
Surr: 4-Bromofluorobenzene	96.5	80-120		%Rec	1	9/6/2019 3:36:17 PM	B62709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909211**

11-Sep-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: **MB-47385**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **47385**	RunNo: **62808**
Prep Date: **9/10/2019**	Analysis Date: **9/10/2019**	SeqNo: **2139935** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-47385**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **47385**	RunNo: **62808**
Prep Date: **9/10/2019**	Analysis Date: **9/10/2019**	SeqNo: **2139936** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909211**

11-Sep-19

Client: Enduring Resources

Project: NEU 315H

Sample ID: **LCS-47353**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **47353**	RunNo: **62773**
Prep Date: **9/9/2019**	Analysis Date: **9/10/2019**	SeqNo: **2140184** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	121	63.9	124			
Surr: DNOP	5.9		5.000		117	70	130			

Sample ID: **MB-47353**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **47353**	RunNo: **62773**
Prep Date: **9/9/2019**	Analysis Date: **9/10/2019**	SeqNo: **2140185** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		111	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909211**

11-Sep-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: MB-47346	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 47346	RunNo: 62805
Prep Date: 9/9/2019	Analysis Date: 9/10/2019	SeqNo: 2139679 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	77.4	118			

Sample ID: LCS-47346	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 47346	RunNo: 62805
Prep Date: 9/9/2019	Analysis Date: 9/10/2019	SeqNo: 2139680 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.5	80	120			
Surr: BFB	1200		1000		116	77.4	118			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909211**

11-Sep-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: **MB-47346**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **47346**	RunNo: **62805**
Prep Date: **9/9/2019**	Analysis Date: **9/10/2019**	SeqNo: **2139720** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		84.6	80	120			

Sample ID: **LCS-47346**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **47346**	RunNo: **62805**
Prep Date: **9/9/2019**	Analysis Date: **9/10/2019**	SeqNo: **2139721** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.1	80	120			
Toluene	0.92	0.050	1.000	0	92.0	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.4	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.2	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.3	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1909211**

11-Sep-19

Client: Enduring Resources
Project: NEU 315H

Sample ID: **RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **B62709**	RunNo: **62709**
Prep Date:	Analysis Date: **9/6/2019**	SeqNo: **2136743** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	19		20.00		95.4	80	120			

Sample ID: **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **B62709**	RunNo: **62709**
Prep Date:	Analysis Date: **9/6/2019**	SeqNo: **2136744** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.3	80	120			
Toluene	20	1.0	20.00	0	98.8	80	120			
Ethylbenzene	19	1.0	20.00	0	96.6	80	120			
Xylenes, Total	59	2.0	60.00	0	97.9	80	120			
Surr: 4-Bromofluorobenzene	20		20.00		101	80	120			

Sample ID: **1909211-002AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **RB-90419**	Batch ID: **B62709**	RunNo: **62709**
Prep Date:	Analysis Date: **9/6/2019**	SeqNo: **2136754** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0.3140	103	80	120			
Toluene	21	1.0	20.00	0.4220	105	75.5	120			
Ethylbenzene	22	1.0	20.00	0	108	80	120			
Xylenes, Total	65	2.0	60.00	0	109	77.3	119			
Surr: 4-Bromofluorobenzene	22		20.00		109	80	120			

Sample ID: **1909211-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **RB-90419**	Batch ID: **B62709**	RunNo: **62709**
Prep Date:	Analysis Date: **9/6/2019**	SeqNo: **2136755** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0.3140	92.1	80	120	11.2	20	
Toluene	19	1.0	20.00	0.4220	93.3	75.5	120	11.7	20	
Ethylbenzene	19	1.0	20.00	0	94.6	80	120	12.9	20	
Xylenes, Total	57	2.0	60.00	0	95.5	77.3	119	13.0	20	
Surr: 4-Bromofluorobenzene	20		20.00		101	80	120	0	0	

Qualifiers:

- `*` Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **ENDURING RESOURCE** Work Order Number: **1909211** RcptNo: **1**

Received By: **Daniel Marquez** **9/5/2019 8:15:00 AM**

Completed By: **Leah Baca** **9/5/2019 1:36:16 PM**

Reviewed By: JB 9/5/19

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: DAD 9/5/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Yes			

Chain-of-Custody Record

Client: Enduring Resources

James McDaniel

Mailing Address:

Phone #:

email or Fax#: jmcdaniel@enduringresources.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☒ EDD (Type) PDF

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: NEU #315H

Project #:

Project Manager: Danny Burns - LTE

Sampler: Eric Carroll

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CF): 3.6-0.3=3.3°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1909211	BTEX ~~MTBE + TMB's (8021)~~	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl) ~~F, Br, NO3, NO2, PO4, SO4~~	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/3/19	1020	Soil	GR-07 RRR	1 4oz	Cool	-001	X	X					X			
9/4/19	1035	Aqueous	RB-9049	3 VOA	HCl	-002	X									
↓	1040	Aqueous	FB-9049	3 VOA	HCl	-003	X									
↓	1200	↓	TB-9049	2 VOA	HCl	-004	X									
			+ 9106													
			TB													

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/5/19	1330	Eric Carroll	Chris Walls		9/5/19	1330
9/6/19	1910	Chris Walters	Courier		9/8/19	8:15

Remarks: Change Ag ID's to 9049 per Eric 9/6

Please report on a dry weight basis

cc: dburns@ltenv.com

ecarroll@ltenv.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Enduring Resources IV, LLC

W Escavada 315H Spill Reclamation Plan

September 2019

Prepared for

ENDURING RESOURCES, LLC

Enduring Resources IV, LLC
200 Energy Court
Farmington, New Mexico 87401
Phone: (505) 636-9720

Developed by

EIS
Energy Inspection Services

Energy Inspection Services
479 Wolverine Drive #9
Bayfield, Colorado 81122
Phone: (970) 884-4080

Table of Contents

1.0 Introduction **1**
2.0 Pre-Reclamation Site Inspection **1**
2.1 Vegetation Community 2
2.2 Proposed Reclamation Seed Mix 2
2.3 Vegetation Reclamation Standards 2
2.4 Reclaimed Area Map 3
3.0 Reclamation Areas **13**
3.1 Access Road and Staging areas 13
3.2 Two Tracks 13
3.3 Ephemeral Wash 14
4.0 Reclamation Methods **14**
4.1 Contaminated Soil 14
4.2 Water Management/Erosion Control Features 14
4.3 Seedbed Preparation 14
4.4 Seeding 14
5.0 Monitoring Requirements **15**
6.0 References **15**

List of Tables

Table 2-1. Sagebrush Community Community seed mix 2

Acronyms

BLM	Bureau of Land Management
FAN	final abandonment notice
FFO	Farmington Field Office
FSL	from the south line
FWL	from the west line
GPS	global positioning system
PLS	pure live seeds
ROW	right-of-way

Reclamation Plan

1.0 Introduction

This reclamation plan is in response to the disturbance and clean up activity attributed to the release from flowback operations at an oil and gas facility on February 17, 2019. The location of the site is on the Nacimiento Formation outcrop east-southeast of Escavada Wash in the northwest quarter of the southwest quarter (Unit L) of Township 22 North, Range 7 West, Sandoval County, New Mexico, approximately 7.5 miles southwest of Counselor, New Mexico. The site and associated release footprint are within the exterior boundaries of the Navajo Reservation, but on fee surface (Indian Allotted). A cam lock on an aboveground flowline outside of the well pad containment berm failed, resulting in flowback liquids flowing off site and under an access road through culverts to an area of level topography where the fluids ran as sheet flow until channeling into a nearby drainage. This unnamed drainage is a second-order tributary to Escavada Wash, located approximately 1.25 miles east-northeast. Approximately 1,400 barrels (bbls) of flowback fluids from the wellbore were released, of which 300 bbls were estimated to be crude oil. The released liquids travelled approximately 5,500 feet down the wash until an emergency dam was built by hand for containment. The dam held temporarily, but meltwater associated with snow on the ground eventually broke the dam and fluids migrated past a confluence of the second-order tributary into a first-order tributary of Escavada wash. Another dam was constructed downgradient of the confluence for containment. Freezing temperatures and additional snow accumulation restricted the release fluids to ponded areas and prevented additional flow downgradient in the short-term. Emergency response activities began immediately with fluid recovery via vacuum trucks and construction of additional dikes and berms to divert fluid flow and minimize the release footprint. An NMOCD Release Notification From c-141 was prepared and provided by Enduring Resources IV, LLC (Enduring) to the NMOCD and all other regulatory agencies. Construction of access roads, staging areas, dams, two tracks roads in and out of the wash and installation of culverts assisted in the cleanup of contaminated soil removal and sampling. Any disturbance that occurred during the cleanup of the spill will need to be put back to previously disturbed condition to the extent practicable.

The Enduring Resources IV, LLC (Enduring) contact person for this reclamation plan is:

Andrea Felix
Regulatory Manager
Enduring Resources IV, LLC
200 Energy Court
Farmington, New Mexico 87401
505-636-9741

2.0 Pre-Reclamation Site Inspection

There was two pre-reclamation site visits for the W Escavada 315H spill (315 spill) the first was conducted on September 3, 2019 with Tanner Paulek and Mindy Paulek of Energy Inspection Service, LLC. (EIS) and September 16, 2019 with Tanner Paulek, Kelsey Cavanaugh of EIS and Cassandra Gould of the Bureau of Indian Affairs (BIA). During the inspection, areas where identified that had been disturbed during the cleanup for the 315 spill. Reclamation procedures were discussed, including re-contouring, re-seeding, bank replacement, back filling the stream bed with native soils, armoring of the banks by

using natural boulders, waddles, coconut matting, and any additional requirements needed to assist in reclaiming the area to as close to pre-disturbance condition as practicable.

2.1 Vegetation Community

The vegetation community that best represents the surrounding project area is the sagebrush shrubland and Badlands Vegetation Community. No New Mexico Department of Agriculture Class A- or B- listed species were identified within the project area.

2.2 Proposed Reclamation Seed Mix

Disturbance will be re-contoured, topsoil may need to be added and prepared for seeding by the construction contractor. Seeding will take place upland where disturbance has occurred. Ripping, disking, and seeding of the site will be done by Enduring's construction contractor using the seed mix below, which is shown in Table 2-1. The proposed reclamation seed mix takes into account the existing vegetation on the proposed project site.

Table 2-1. Sagebrush Community Community seed mix

Common Name	Scientific Name	Variety	Season	Form	PLS lbs/acre[1]
Fourwing saltbush	*Atriplex canescens*	VNS	Cool	Shrub	2.0
Winterfat	*Krascheninnikovia lanata*	VNS	Cool	Shrub	2.0
Sand dropseed	*Sporobolus cryptandrus*	VNS	Warm	Bunch	0.5
Indian ricegrass	*Achnatherum hymenoides*	Paloma or Rimrock	Cool	Bunch	4.0
Bottle brush squirreltail	*Elymus elymoides*	Tusas or VNS	Cool	Bunch	3.0
Blue flax	*Linum lewisii*	Apar	Cool	Forb	0.25
Blue grama	*Bouteloua gracilis*	Alma or Hachita	Warm	Sod	2.5
Sagebrush	*Artemesia cana*	VNS	Cool	Shrub	0.25

[1]Based on 60 PLS per square foot, drill seeded; double this rate (120 PLS per square foot) if broadcast or hydro-seeded.

2.3 Vegetation Reclamation Standards

Requirements for determining reclamation and its successful completion of this area's selected vegetation community are determined by reaching a vegetative foliar cover of 80 percent of background vegetation within the project area.

2.4 Reclaimed Area Map

Enduring Resouces IV, LLC W Escavada 315H Spill Reclamation Map



Legend

- Waddles
- Soil Replacement
- Rebuild, Armour Banks
- Coconut Matting
- Ripped, Disked, Recontour and Reseed



Operator:

Contractor: EIS

1:778

0 50 100 200 Feet

NAD 1983 UTM Zone 13N Author: TP Date:9/17/2019

Enduring Resouces IV, LLC W Escavada 315H Spill Reclamation Map



Legend

- Rebuild, Armour Banks
- Ripped, Disked, Recontour and Reseed



Operator:

Contractor:

1:778

0 50 100 200 Feet

NAD 1983 UTM Zone 13N Author: TP Date:9/17/2019

Enduring Resouces IV, LLC W Escavada 315H Spill Reclamation Map



Legend

- Culverts Removal
- Soil Replacement
- Rebuild, Armour Banks
- Coconut Matting
- Rebuild Streambed
- Ripped, Disked, Recontour and Reseed





Operator:

1:778

Contractor:

NAD 1983 UTM Zone 13N Author: TP Date:9/17/2019

Enduring Resouces IV, LLC W Escavada 315H Spill Reclamation Map



Legend

Ripped, Disked, Recontour and Reseed



Operator:

Contractor:

1:778

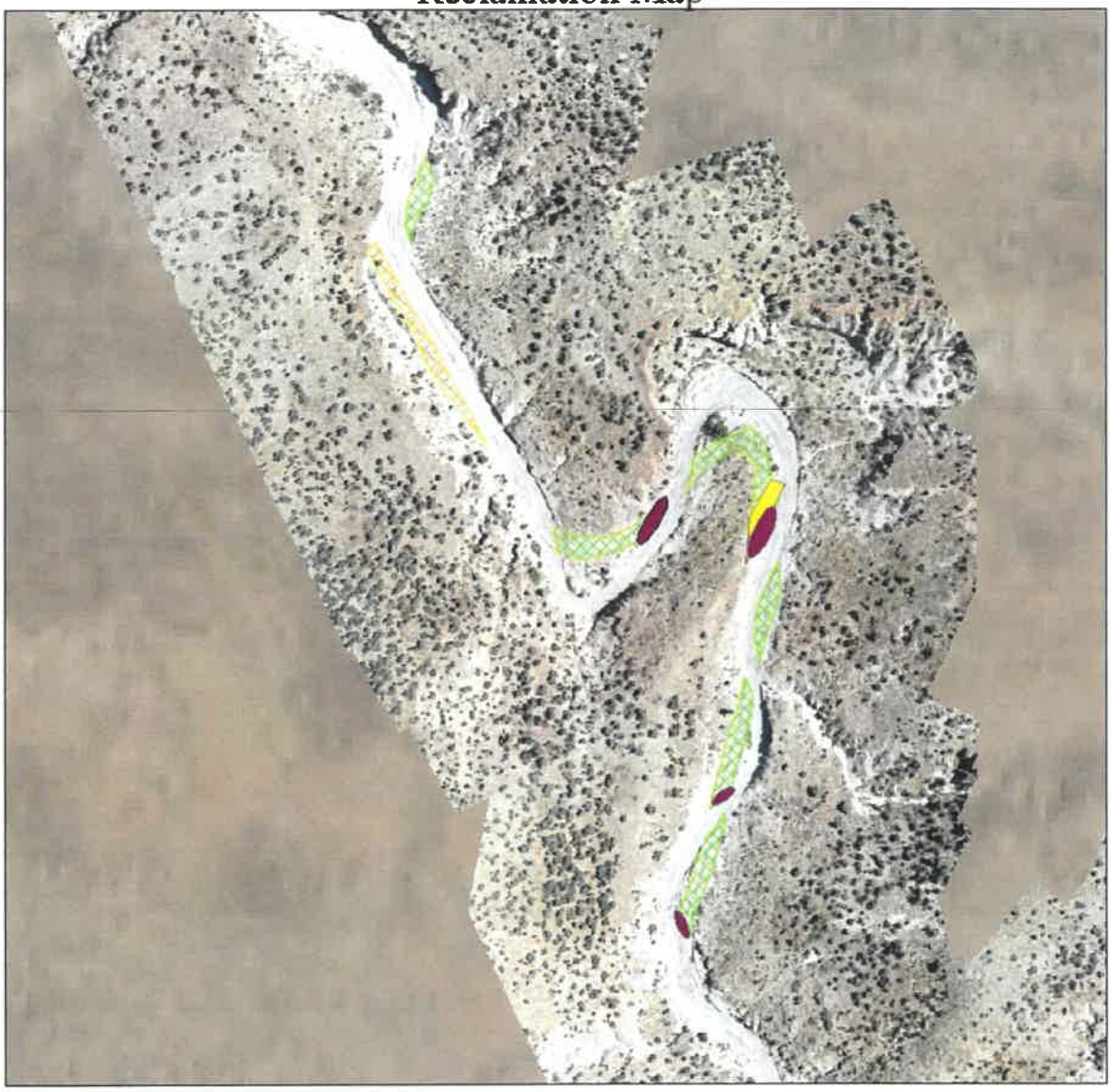
0 50 100 200 Feet

NAD 1983 UTM Zone 13N Author: TP Date:9/17/2019

Enduring Resouces IV, LLC W Escavada 315H Spill Reclamation Map



Enduring Resouces IV, LLC W Escavada 315H Spill Reclamation Map



Legend

- Hand Seed Only
- Rebuild, Armour Banks
- Coconut Matting
- Ripped, Disked, Recontour and Reseed

0 50 100 200 Feet



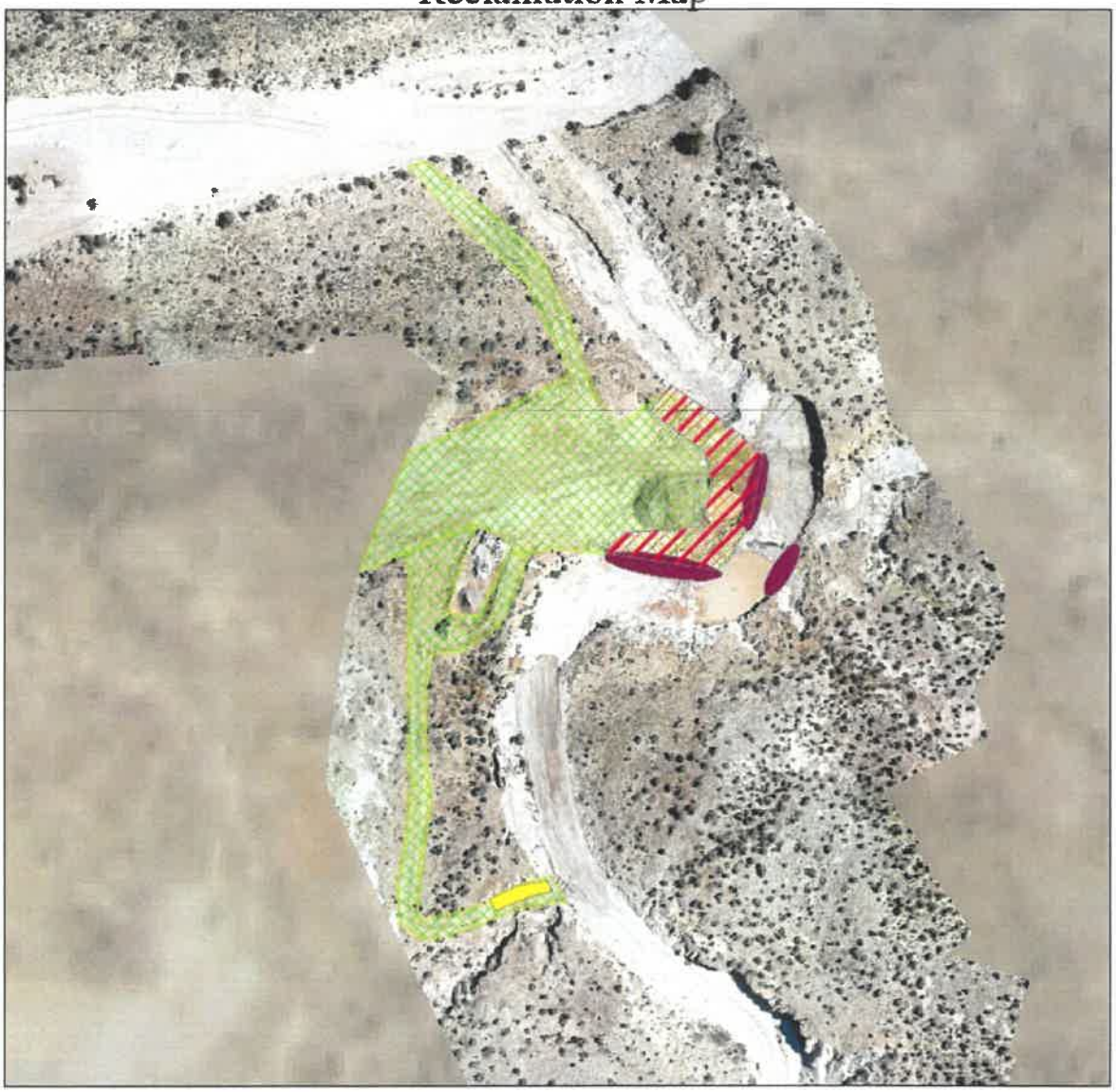
Operator:

Contractor:

1:794

NAD 1983 UTM Zone 13N Author: TP Date:9/17/2019

Enduring Resouces IV, LLC W Escavada 315H Spill Reclamation Map



Legend

- Soil Replacement
- Rebuild, Armour Banks
- Coconut Matting
- Ripped, Disked, Recontour and Reseed

0 50 100 200 Feet



Operator:

Contractor:

1:794

NAD 1983 UTM Zone 13N Author: TP Date:9/17/2019

Enduring Resouces IV, LLC W Escavada 315H Spill Reclamation Map



Legend

- Hand Seed Only
- Ripped, Disked, Recontour and Reseed



Operator:

Contractor:

1:794

0 50 100 200 Feet

NAD 1983 UTM Zone 13N Author: TP Date:9/17/2019

Enduring Resouces IV, LLC W Escavada 315H Spill Reclamation Map



Legend

- Hand Seed Only
- Ripped, Disked, Recontour and Reseed



Operator:

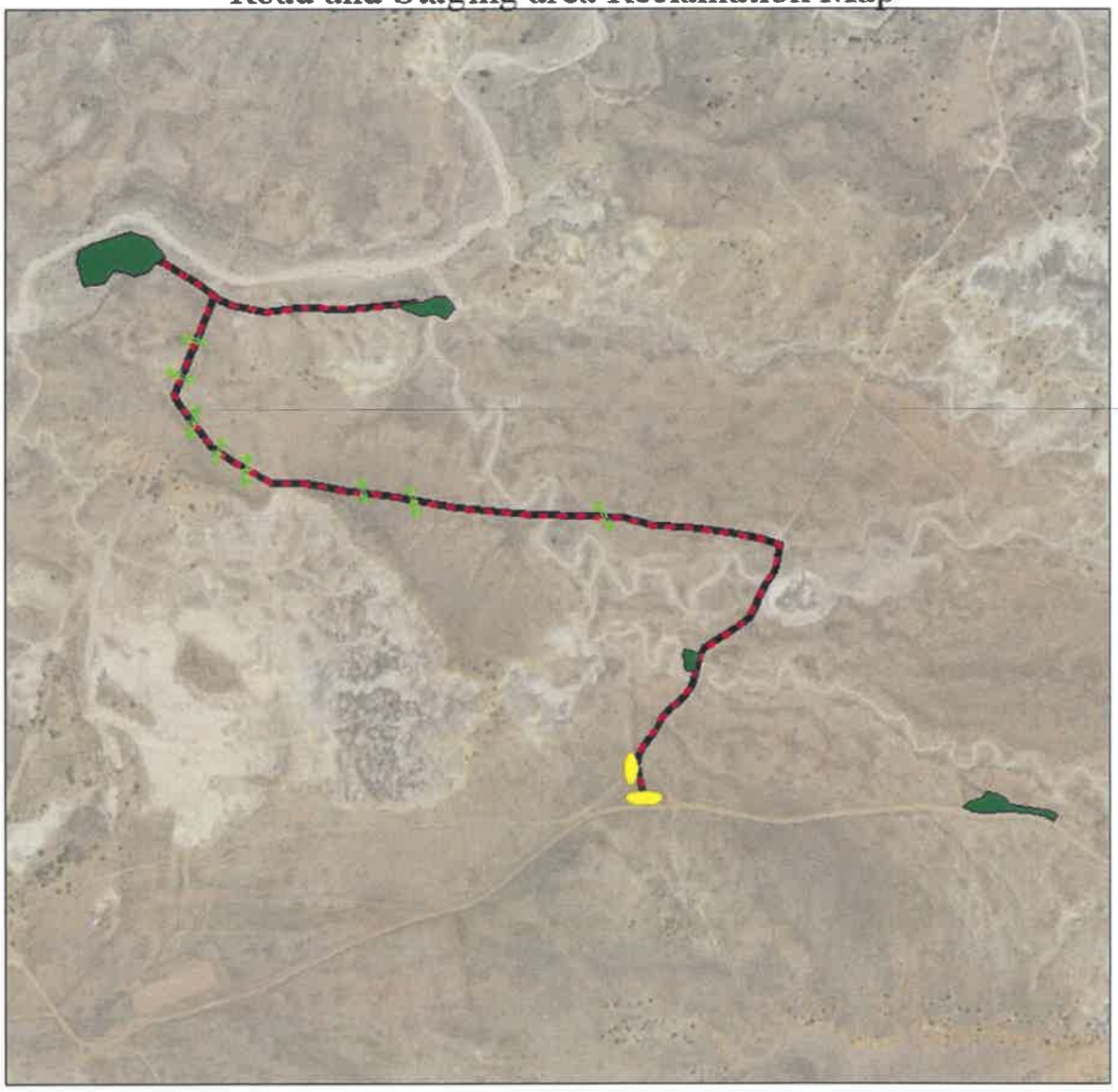
1:794

Contractor:

Feet
0 50 100 200

NAD 1983 UTM Zone 13N Author: TP Date:9/17/2019

Enduring Resouces IV, LLC W Escavada 315H Spill Road and Staging area Reclamation Map



3.0 Reclamation Areas

All activities associated with the cleanup of the 315H spill are limited to areas that were disturbed. Reclamation work will be completed within 1 month from start date (weather permitting). Only biodegradable material will be used in the reclamation so that it would not need to be removed in the future.

Disturbed Areas	Total Disturbance (Acres)	Fully Reclaimed (Acres)	Reseed Only (Acres)
Access Road	2.03	2.03	-
Staging Areas	0.94	0.94	-
Two Tracks	0.72	0.72	-
Stream Reclamation	0.10	0.01	0.09
Total:	**3.79**	**3.70**	**0.09**

3.1 Access Road and Staging areas

The areal extent of the road and staging areas is approximately 5,881.69 feet long for the access road (2.03 acres) and approximately 0.94 acres for the staging areas. This area has been impacted by accessing points on the wash for cleanup, staging equipment and removal and storage of contaminated soil. These areas have been compacted and culverts place in the wash for a good driving surface.

- Staging areas will be recontoured to blend with native surroundings then ripped, disked and reseeded with the seed mix in Table 2-1.
- Culverts that where installed will be removed and the banks of the wash will be rebuilt to previous disturbed standards.
- The access road will be ripped, disked, recontoured, and reseeded with the seed mix in Table 2-1.
- During contouring of what is currently the access road, wash bars will be installed on inclines to prevent rilling.
- Large boulders will be placed at the start of road reclamation as to deter people from driving on the reclaimed area.

3.2 Two Tracks

Two Track roads were created along the wash to remove contaminated soil. A total of 3,913.61 feet (0.72 acres) of two tracks were utilized by heavy equipment and UTVs to dig out and transport contaminated soils from the wash.

- Some areas will be ripped, disked and reseeded with the seed mix in Table 2-1.
- Areas where the bank has been dug out for the equipment to access the wash will have soil replacement (with native soil) and indigenous woody debris to build the bank back to previous disturbance.
- To prevent erosion, coconut matting and waddles would be used to help stabilize high erosion areas.
- Coconut matting will be anchored below the stream bed to prevent the mat from washing up.

3.3 Ephemeral Wash

The wash was the most affected area during the spill. As the wash was being cleaned up the banks and stream bed were disturbed. Contaminated soil and vegetation were removed which disrupted the stream flow. The stream bed will need to be restored back to previous conditions.

- Areas within the stream bed where soil was removed will be back filled to the surrounding level of the stream bed.
- The banks that have been disturbed and have a high risk of erosion will be armored with boulders to protect the bank.
- The areas near dam four, where the sediment has built up and created a bank, will be hand seeded.

4.0 Reclamation Methods

4.1 Contaminated Soil

Soil cleanup has been completed and no contaminated soil are expected to be encountered during reclamation. However, in the event that they are, soils will be removed and the area would be reseeded by hand broadcast seeding.

4.2 Water Management/Erosion Control Features

Water management features will be added to reduce erosion and stabilize banks (See maps). The reclamation project is located within a wash, banks of the wash and a road near the wash. To accommodate for the runoff and erosion, coconut matting, native boulders and waddles will be installed throughout reclamation area. Native soil will be replaced where previously removed.

4.3 Seedbed Preparation

Disturbed areas will be re-contoured to blend with the topography of the surrounding landscape, emphasizing restoration of the existing drainage patterns and landform to pre-disturbance condition, to the extent practicable. If necessary, topsoil will be redistributed across areas where soil was removed or migrated downstream. Topsoil will not be redistributed when the ground or topsoil is wet. Seedbed preparation within compacted areas will include ripping to a minimum depth of 18 inches (unless and to the extent bed rock is encountered at a shallower depth) with furrows spaced 2 feet apart. Ripping will be conducted perpendicularly in two phases, where practicable. If large clumps/clods result from the ripping process, disking will be conducted perpendicular to slopes in order to provide terracing and minimize runoff and erosion. Final seedbed preparation will consist of raking or harrowing the spread topsoil prior to seeding to promote a firm (but not compacted) seedbed without surface crusting.

4.4 Seeding

The seed mix chosen for this project area is listed in Table 2-1. Seeding will occur immediately following recontouring and seedbed preparation. A disc-type seed drill with two boxes for various seed sizes will be utilized for seeding the disturbed areas. Enduring or its reclamation subcontractor will ensure that perennial grasses and shrubs are planted at the appropriate depth. Intermediate size seeds (such as wheatgrasses and shrubs) will be planted at a depth of 0.5 inch, larger seeds (such as Indian ricegrass) will be planted at a depth of 1 to 2 inches, and small seeds (such as alkali sacaton and sand dropseed) will be planted at a depth of 0.25 inch. In situations where differing planting depths are not practicable

with the equipment being used, the entire mix will be planted no deeper than 0.25 inch. A drag, packer, or roller will follow the seeder to ensure uniform seed coverage and adequate compaction. Seeding will be run perpendicular to slopes in order to minimize runoff and erosion.

Drill seeding may be used on well-packed and stable soils that occur on gentler slopes and where tractors and drills can safely operate. Where drill seeding is not practicable due to topography, the contractor will hand-broadcast seed using a "cyclone" hand seeder or similar broadcast seeder. Broadcast application of seed requires a doubling of the drill-seeding rate. The seed will then be raked into the ground so the seed is planted no deeper than 0.25 inch below the surface.

5.0 Monitoring Requirements

Monitoring will be completed on a biannual basis and after any major storm event to confirm successful reclamation and best management practices are still in place on the site in accordance with the success criteria outlined in this document. When vegetation on a reclaimed site appears to meet the success criteria, Enduring will document that standards have been met and documentations will be submitted to the agencies involved.

6.0 References

43 CFR Part 3160, "Onshore Oil and Gas Order No. 1; Onshore Oil and Gas Operations; Federal and Indian Oil and Gas Leases; Approval of Operations," 72 Federal Register 44 (March 2007), pp.