



October 7, 2015

Mr. Jacob Evans
Senior Environmental Specialist
Noble Energy, Inc.
2115 117th Avenue
Greeley, Colorado 80634

**RE: Remediation Activity, Well Installation, and Groundwater Monitoring Summary
State 18-1 Tank Battery
Weld County, Colorado
COGCC Spill Tracking #400861488**

Dear Mr. Evans:

LT Environmental, Inc. (LTE), under the direction of Noble Energy, Inc. (Noble), conducted environmental remediation and confirmation soil sampling following the identification of petroleum hydrocarbon impacted soil at the State 18-1 Tank Battery (Site). Following remediation activities, LTE, under the direction of Noble, installed groundwater monitoring wells and conducted groundwater monitoring activities at the Site. This report describes the remediation work conducted on July 21 through 28, 2015, and subsequent monitoring well installation and groundwater monitoring activities. The Site is located approximately 1.05 miles north of County Road 388 and 0.36 miles east of County Road 61 in Weld County, Colorado. The legal site description is the northeast quarter of the northwest quarter of Section 18, Township 5 North, Range 63 West, 6th Principal Meridian. The Site Location Map is provided as Figure 1.

Site History and Excavation Scope of Work

During water vault removal activities, impacted soil and groundwater was encountered. As a result, excavation activities were conducted on July 21 through 28, 2015. During excavation activities, LTE collected discrete soil samples from the sidewalls and floor of the excavation to confirm compliance with applicable Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 standards. The contractor operating the excavation equipment was BG Services, LLC of Fort Lupton, Colorado.

The excavation was located in the tank battery in the vicinity of the produced water vault. The Excavation Site Map is provided as Figure 2. The total extent of the excavation was approximately 35 feet east-west by 35 feet north-south to a total depth of 15 feet below ground surface (bgs). Excavated soil consisted primarily of clayey sand from ground surface to total depth with increasing clay content as the depth increases. No petroleum hydrocarbon staining or odor was observed at the final extent of the excavation. Groundwater was encountered at the base of the excavation. A total of approximately 700 cubic yards of soil were removed from the Site and transported to Waste Management North Weld Landfill in Ault, Colorado, for final disposal.



Excavation Soil Sampling

On July 21 through 28, 2015, under the direction of Noble, LTE personnel collected 11 discrete confirmation soil samples from the excavation sidewalls. All soil samples were collected, placed on ice, then submitted with a completed chain of custody form to Summit Scientific (Summit) of Golden, Colorado, for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), and naphthalene by United States Environmental Protection Agency (EPA) Method 8260B, and TPH as diesel range organics (DRO) by EPA Method 8015.

Excavation Soil Analytical Results

The COGCC Table 910-1 standards for BTEX, naphthalene, and TPH in soil are 0.17 milligrams per kilogram (mg/kg), 85 mg/kg, 100 mg/kg, 175 mg/kg, 23 mg/kg, and 500 mg/kg, respectively. Excavation soil analytical results indicated soil sample SS03@13' exceeded the COGCC Table 910-1 standards for benzene and TPH at concentrations of 0.23 mg/kg and 2,050 mg/kg, respectively, and soil sample SS04@13' exceeded the COGCC Table 910-1 standard for TPH at a concentration of 650 mg/kg. All other laboratory excavation soil analytical results were in compliance with applicable COGCC Table 910-1 standards.

Following receipt of the excavation soil sampling results, the Site was further excavated to remove soil impacts indicated by soil samples SS03@13' and SS04@13'. All other soil samples representative of the final extent of the excavation were in compliance with applicable COGCC Table 910-1 standards. The laboratory soil analytical results are presented on Figure 3 and summarized in Table 1. The excavation laboratory analytical reports are included at Attachment 1.

Soil Boring Advancement

On July 31, 2015, under the direction of Noble, LTE personnel advanced a total of five soil borings (SB01 through SB05) to delineate the potential extent of dissolved-phase petroleum hydrocarbon impact. The soil borings were advanced using a direct-push rig operated by Elite Drilling Services, LLC of Aurora, Colorado. The soil borings were completed as temporary monitoring wells to allow for groundwater monitoring.

The soil borings were logged by an LTE geologist, and the soil was characterized by visual inspection of the collected soil samples. The total depth of each soil boring was 16 feet bgs. The soil borings were continuously logged from ground surface to the total depth. The estimated depth to groundwater observed in the soil borings was approximately 12 to 14 feet bgs. Groundwater was not encountered in soil borings SB01 and SB02.

Soil identified at the Site was predominantly clayey sand from ground surface to approximately 13 feet bgs, then claystone from 13 feet bgs to total depth. The exception was soil boring SB05 was identified as claystone from ground surface to total depth. Elevated photo-ionization detector (PID) readings (greater than 10 parts per million) were observed in soil borings SB01, SB03, SB04,



and SB05. Petroleum hydrocarbon staining was observed in soil borings SB03 from 13 feet to 14 feet bgs and SB04 from 14 feet to 15 feet bgs.

Soil Boring Sampling

Soil borings were advanced using a 6-inch solid stem auger and a 2-foot split spoon to collect a continuous sample. During soil boring advancement, soil samples were collected and submitted for laboratory analysis based on the sample interval that exhibited visible soil staining or where the highest PID reading was observed above the groundwater saturated zone. On July 31, 2015, five soil samples (SB01@12', SB02@15', SB03@12', SB04@12', and SB05@12') were collected, placed on ice, then submitted with a completed chain of custody form to Summit, for analysis of BTEX, naphthalene, and TPH as GRO by EPA Method 8260B and TPH as DRO by EPA Method 8015.

Groundwater Monitoring Well Installation

Soil borings SB01 through SB05 were completed as temporary groundwater monitoring wells to delineate the potential extent of dissolved-phase petroleum hydrocarbon impact. The monitoring wells were constructed of 1-inch diameter polyvinyl chloride (PVC) casing extending from the surface stickups to depths of 15 feet bgs. The lower 10 feet of each monitoring well consists of 0.010-inch factory-slotted PVC well screen. Silica sand was placed from the bottom of each soil boring to one foot above the screened interval to act as filter pack for the monitoring well. Bentonite chips were placed from the top of the silica sand to the ground surface and hydrated to provide a seal against surface contamination and precipitation infiltration. The Well Completion Diagrams are included as Attachment 2.

Groundwater Sampling

On August 12, 2015, under the direction of Noble, LTE personnel collected groundwater samples from four monitoring wells (SB02 through SB05). Monitoring well SB01 was dry; therefore, a groundwater sample could not be collected. Prior to well development, depth to groundwater was measured and recorded for calculating well-specific target purge volumes and relative groundwater elevations. Following well development, groundwater samples were collected, placed on ice, then submitted with a completed chain of custody form to Origins Laboratory, Inc. of Denver, Colorado, for analysis of BTEX by EPA Method 8260C.

Soil Boring Analytical Results

The COGCC Table 910-1 standards for BTEX, naphthalene, and TPH in soil are 0.17 mg/kg, 85 mg/kg, 100 mg/kg, 175 mg/kg, 23 mg/kg, and 500 mg/kg, respectively. Soil analytical results indicated all soil samples were in compliance with applicable COGCC Table 910-1 standards. The soil analytical results are presented on Figure 4 and summarized in Table 2. The soil boring laboratory analytical report is included as Attachment 3.



Hydrogeology

Prior to well development, depth to groundwater was measured and recorded to calculate groundwater elevations. During the August 2015 monitoring event, depth to groundwater ranged from 8.46 feet below top of casing (btoc) in monitoring well SB05 to 13.65 feet btoc in monitoring well SB02. Groundwater was calculated to flow south-southeast with an average hydraulic gradient of 0.059 feet per foot. Relative groundwater elevations are presented in Figure 5 and summarized in Table 3.

Groundwater Analytical Results

The Colorado Department of Public Health and Environment-Water Quality Control Commission has established Regulation 41-The Basic Standards for Ground Water (WQCC Reg 41) for BTEX at 5.0 micrograms per liter ($\mu\text{g/L}$), 560 $\mu\text{g/L}$, 700 $\mu\text{g/L}$, and 1,400 $\mu\text{g/L}$, respectively. Laboratory analytical results indicated all groundwater analytical results were in compliance with applicable WQCC Reg 41 standards. Groundwater laboratory analytical results are presented on Figure 6 and summarized in Table 3. The laboratory groundwater analytical report is included as Attachment 4.

Summary

On July 21 through 28, 2015, Noble conducted oversight of source removal of petroleum hydrocarbon impacted soil at the Site. Under the direction of Noble, LTE personnel conducted confirmation soil sampling of the excavation activities. Per the excavation activities conducted and confirmation soil sample analytical results, the impacted soil was removed. Approximately 700 cubic yards of soil was removed from the excavation and transported to the Waste Management North Weld Landfill in Ault, Colorado, for final disposal.

On July 31, 2015, a total of five soil borings (SB01 through SB05) were advanced at the Site and soil samples were collected from the interval exhibiting petroleum hydrocarbon staining or the most elevated PID reading above the groundwater saturation zone. Laboratory soil analytical results indicated all soil borings were in compliance with applicable COGCC Table 910-1 standards.

All five soil borings were completed as temporary monitoring wells (SB01 through SB05) to delineate the dissolved-phase petroleum hydrocarbon impact and allow for groundwater sampling. On August 12, 2015, under the direction of Noble, LTE personnel conducted groundwater monitoring activities at all five monitoring wells. Upgradient monitoring well SB01 was dry; therefore, samples could only be collected from monitoring wells SB02 through SB05. Laboratory analytical results indicated that all groundwater analytical results were in compliance with applicable WQCC Reg 41 standards.

LTE, under the direction of Noble, will continue to conduct quarterly groundwater monitoring with the goal of obtaining four consecutive quarters with laboratory analytical results in compliance with applicable WQCC Reg 41 standards. The next quarterly groundwater monitoring



event is scheduled for November 2015. Further remediation efforts, if necessary, will be discussed in future correspondence.

LTE appreciates the opportunity to provide environmental services to Noble. Please call us at 303-433-9788 if you have any questions or comments regarding this report.

Sincerely,

LT ENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read 'Chris Roy', is written in a cursive style.

Chris Roy
Project Manager

Attachments

| | |
|--------------|--|
| Figure 1 | Site Location Map |
| Figure 2 | Excavation Site Map |
| Figure 3 | Excavation Soil Analytical Results |
| Figure 4 | Soil Boring Analytical Results |
| Figure 5 | Relative Groundwater Elevation Map |
| Figure 6 | Groundwater Analytical Results |
| Table 1 | Excavation Soil Analytical Results |
| Table 2 | Soil Boring Analytical Results |
| Table 3 | Groundwater Analytical Results |
| Attachment 1 | Excavation Laboratory Analytical Reports |
| Attachment 2 | Well Completion Diagrams |
| Attachment 3 | Soil Boring Laboratory Analytical Report |
| Attachment 4 | Groundwater Laboratory Analytical Report |

FIGURES

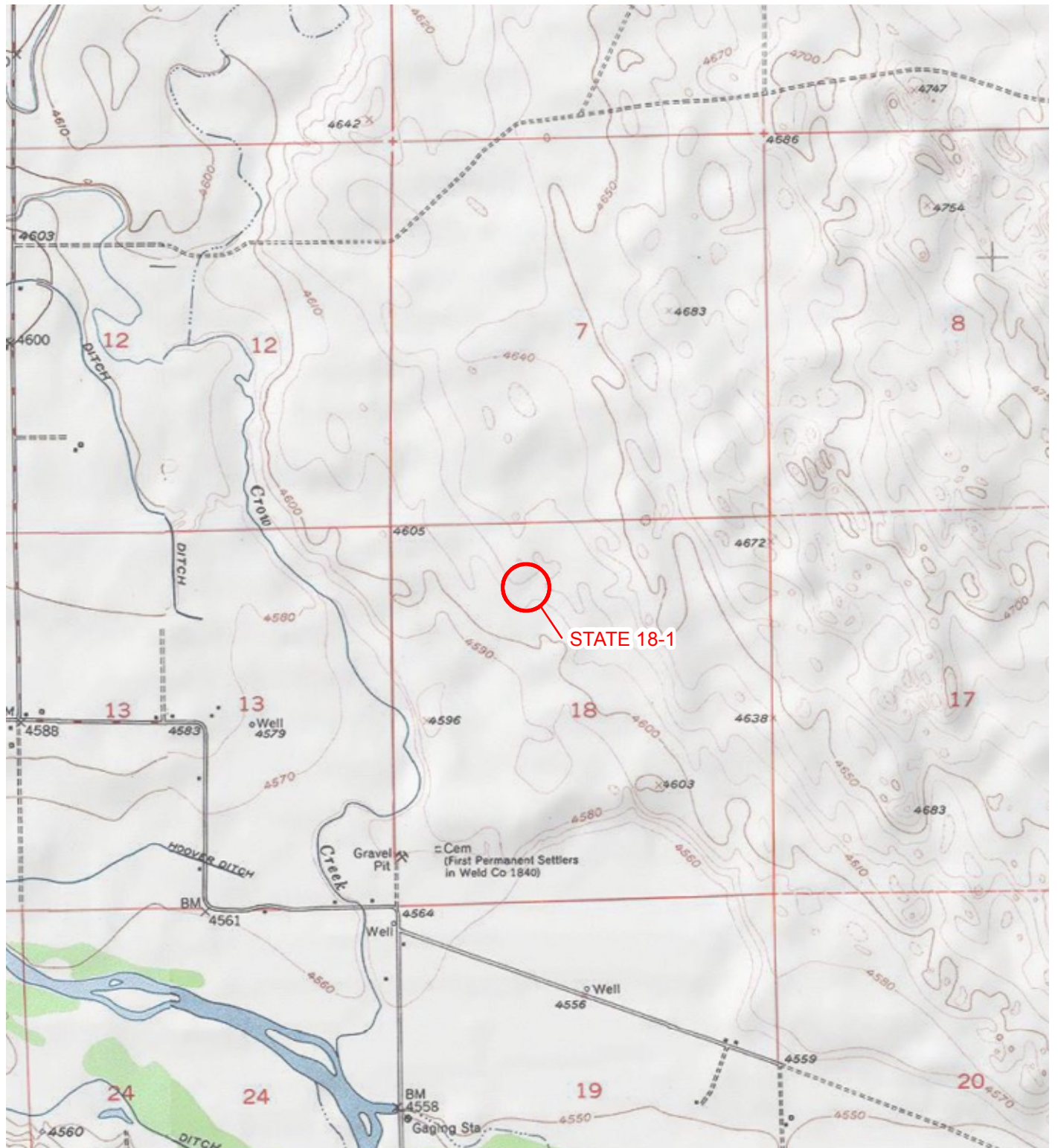


IMAGE COURTESY OF ESRI/USGS

LEGEND

○ SITE LOCATION

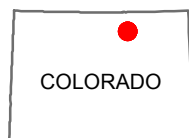
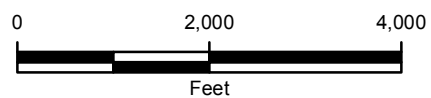
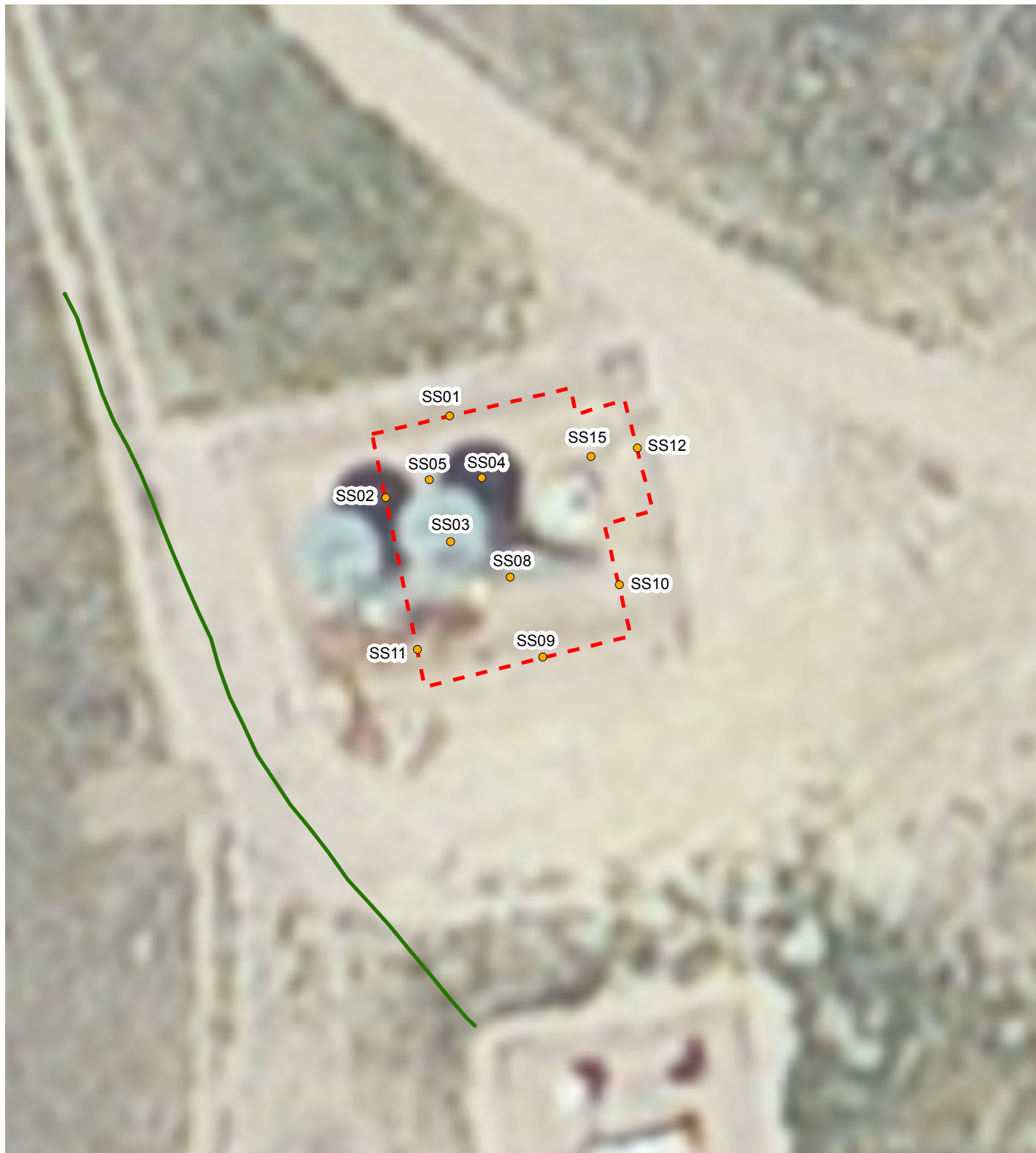


FIGURE 1
SITE LOCATION MAP
STATE 18-1
NENW SEC 18-T5N-R63W
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.





LEGEND

- SOIL SAMPLE
- DCP LINE
- - - EXCAVATION EXTENT

IMAGE COURTESY OF ESRI

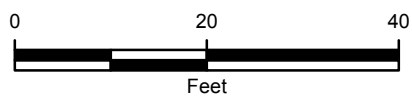
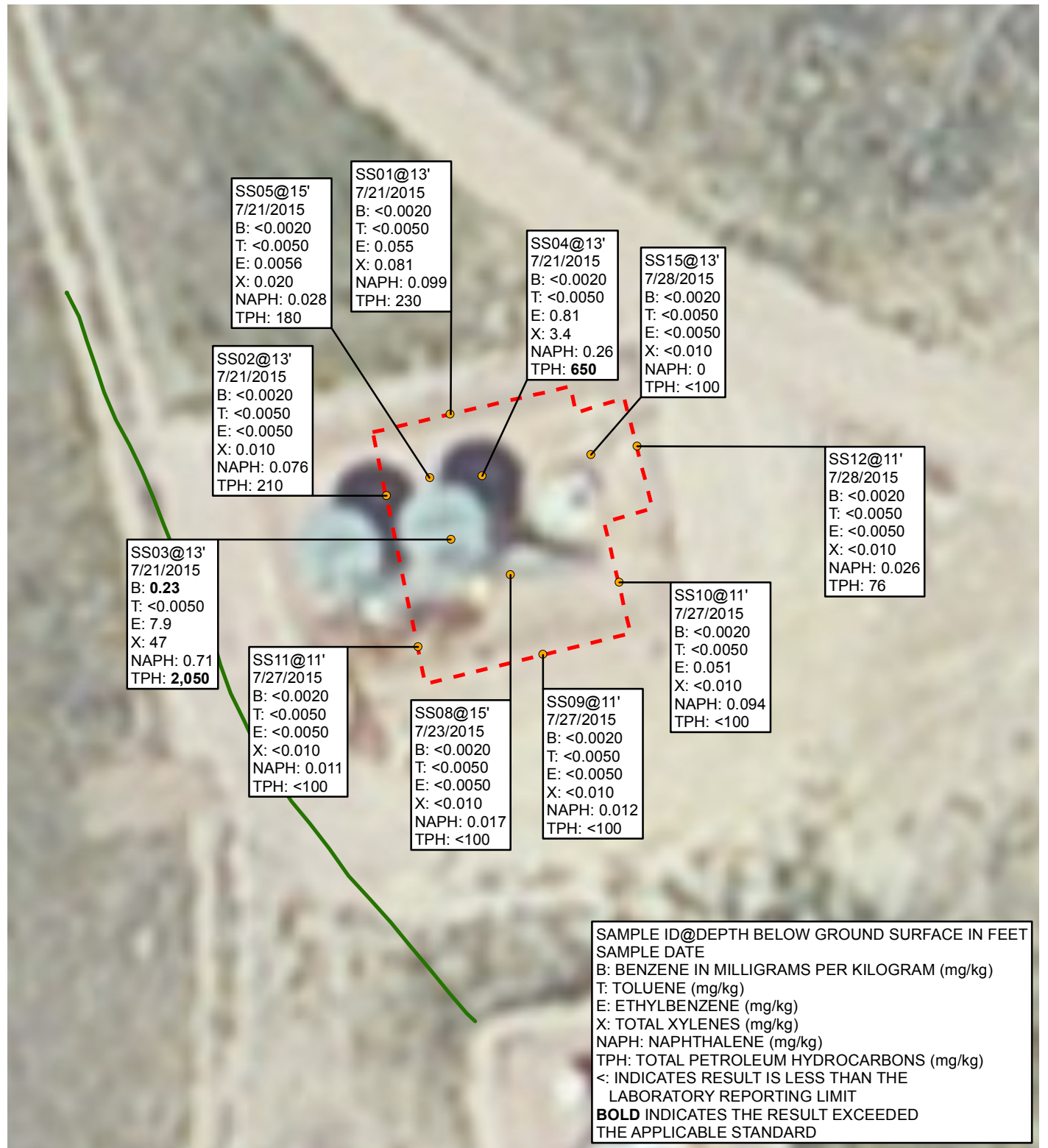


FIGURE 2
EXCAVATION SITE MAP
 STATE 18-1
 NENW SEC 18-T5N-R63W
 WELD COUNTY, COLORADO
 NOBLE ENERGY, INC.





LEGEND

- SOIL SAMPLE
- DCP LINE
- - - EXCAVATION EXTENT

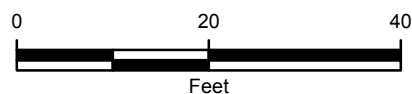
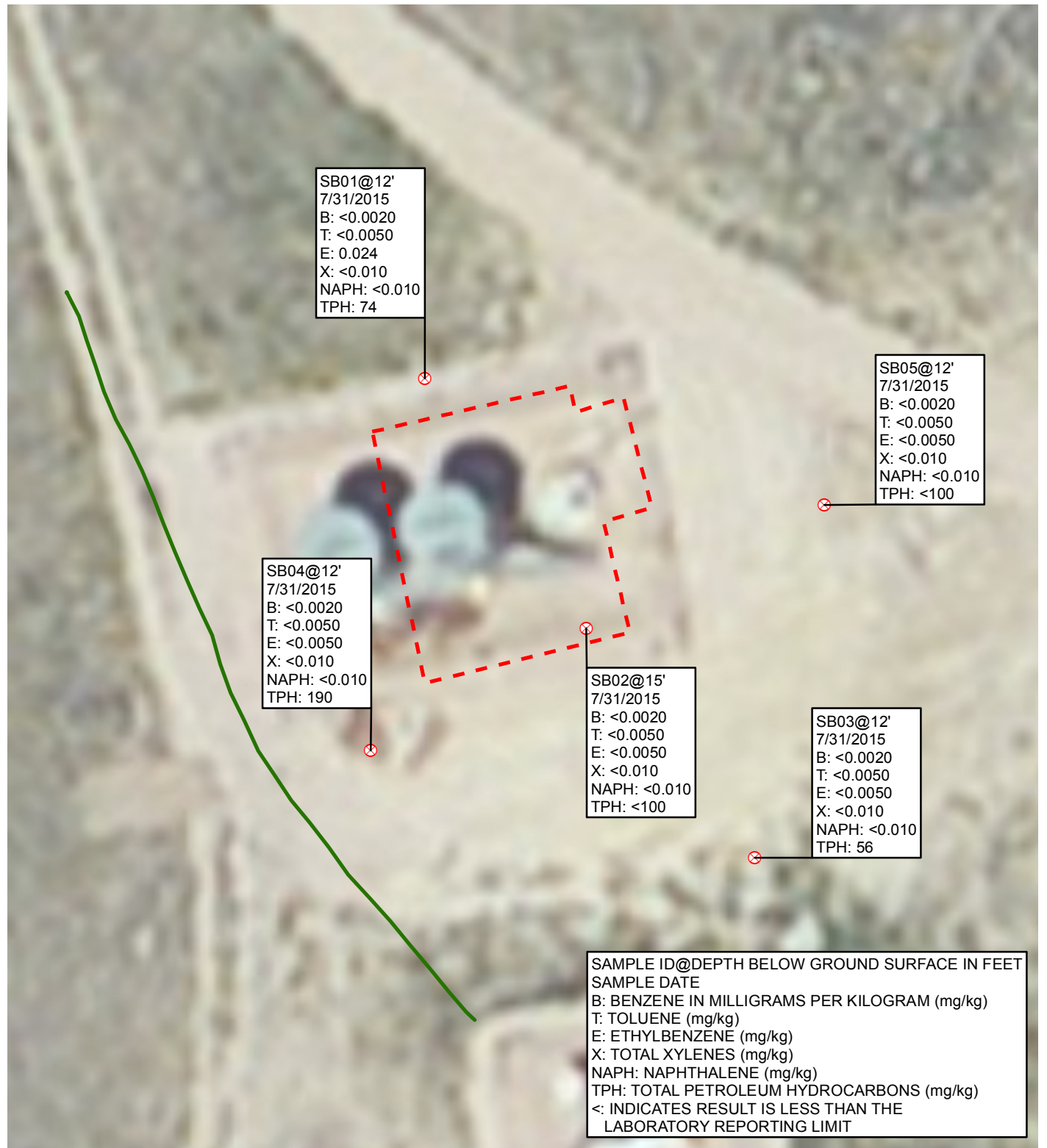


IMAGE COURTESY OF ESRI



FIGURE 3
EXCAVATION SOIL ANALYTICAL RESULTS
STATE 18-1
NENW SEC 18-T5N-R63W
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.





LEGEND

- ⊗ SOIL BORING
- DCP LINE
- - - EXCAVATION EXTENT

IMAGE COURTESY OF ESRI

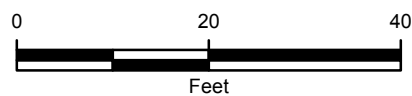


FIGURE 4
SOIL BORING ANALYTICAL RESULTS
STATE 18-1
NENW SEC 18-T5N-R63W
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.





LEGEND

- ⊗ SOIL BORING
- ↑ CALCULATED GROUNDWATER FLOW DIRECTION
- DCP LINE
- RELATIVE GROUNDWATER ELEVATION CONTOUR
- CONTOUR INTERVAL = 1 FOOT
- GRADIENT = 0.059 FEET/FOOT
- - - EXCAVATION EXTENT

*MONITORING WELL SB02 WAS NOT USED TO GENERATE GROUNDWATER ELEVATION CONTOURS FOR THIS SAMPLING EVENT.

IMAGE COURTESY OF ESRI

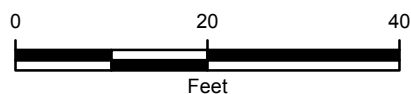
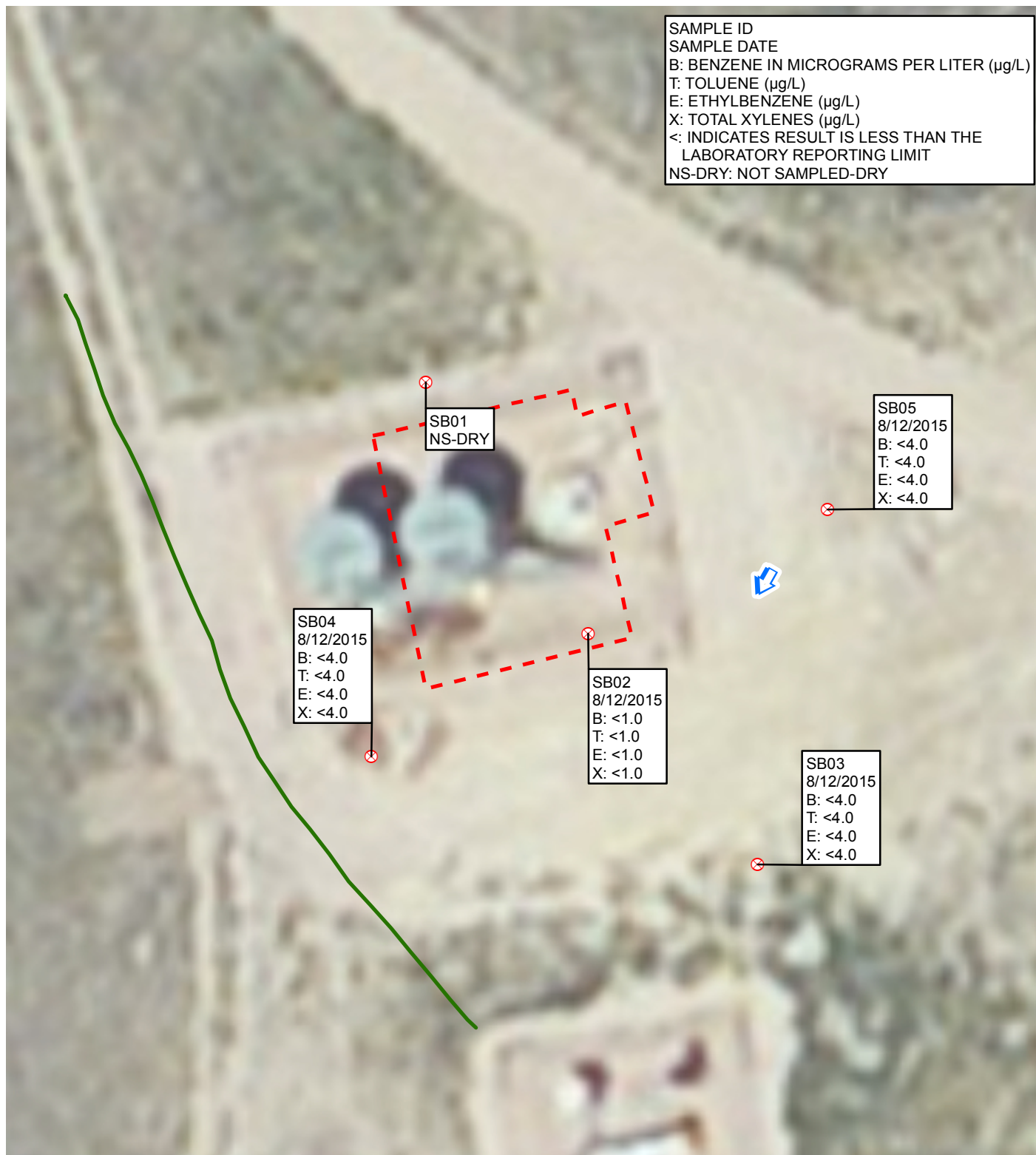






FIGURE 5
RELATIVE GROUNDWATER ELEVATION MAP
 STATE 18-1
 NENW SEC 18-T5N-R63W
 WELD COUNTY, COLORADO
 NOBLE ENERGY, INC.



SAMPLE ID
 SAMPLE DATE
 B: BENZENE IN MICROGRAMS PER LITER (µg/L)
 T: TOLUENE (µg/L)
 E: ETHYLBENZENE (µg/L)
 X: TOTAL XYLENES (µg/L)
 <: INDICATES RESULT IS LESS THAN THE
 LABORATORY REPORTING LIMIT
 NS-DRY: NOT SAMPLED-DRY



LEGEND

-  SOIL BORING
-  CALCULATED GROUNDWATER FLOW DIRECTION
-  DCP LINE
-  EXCAVATION EXTENT

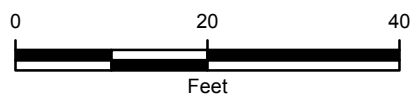


IMAGE COURTESY OF ESRI



FIGURE 6
 GROUNDWATER ANALYTICAL RESULTS
 STATE 18-1
 NENW SEC 18-T5N-R63W
 WELD COUNTY, COLORADO
 NOBLE ENERGY, INC.



TABLES

TABLE 1

**EXCAVATION SOIL ANALYTICAL RESULTS
STATE 18-1 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.**

| Soil Sample | Date | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Naphthalene (mg/kg) | GRO (mg/kg) | DRO (mg/kg) | TPH (mg/kg) |
|-----------------------------------|-----------|--------------------|--------------------|-------------------------|--------------------------|------------------------|----------------|----------------|----------------|
| SS01@13' | 7/21/2015 | <0.0020 | <0.0050 | 0.055 | 0.081 | 0.099 | <50 | 230 | 230 |
| SS02@13' | 7/21/2015 | <0.0020 | <0.0050 | <0.0050 | 0.010 | 0.076 | <50 | 210 | 210 |
| SS03@13' | 7/21/2015 | 0.23 | <0.0050 | 7.9 | 47 | 0.71 | 1,500 | 550 | 2,050 |
| SS04@13' | 7/21/2015 | <0.0020 | <0.0050 | 0.81 | 3.4 | 0.26 | 380 | 270 | 650 |
| SS05@15' | 7/21/2015 | <0.0020 | <0.0050 | 0.0056 | 0.020 | 0.028 | <50 | 180 | 180 |
| SS08@15' | 7/23/2015 | <0.0020 | <0.0050 | <0.0050 | <0.010 | 0.017 | <50 | <50 | <100 |
| SS09@11' | 7/27/2015 | <0.0020 | <0.0050 | <0.0050 | <0.010 | 0.012 | <50 | <50 | <100 |
| SS10@11' | 7/27/2015 | <0.0020 | <0.0050 | 0.051 | <0.010 | 0.094 | <50 | <50 | <100 |
| SS11@11' | 7/27/2015 | <0.0020 | <0.0050 | <0.0050 | <0.010 | 0.011 | <50 | <50 | <100 |
| SS12@11' | 7/28/2015 | <0.0020 | <0.0050 | <0.0050 | <0.010 | 0.026 | <50 | 76 | 76 |
| SS15@13' | 7/28/2015 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <50 | <50 | <100 |
| COGCC Table 910-1 Standard | | 0.17 | 85 | 100 | 175 | 23 | -- | -- | 500 |

NOTES:

COGCC - Colorado Oil and Gas Conservation Commission

DRO - diesel range organics analyzed by EPA Method 8015

GRO - gasoline range organics analyzed by EPA Method 8260B

mg/kg - milligrams per kilogram

TPH - total petroleum hydrocarbons is the sum of GRO and DRO

Bold indicates the result exceeds the applicable standard

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

-- - not applicable

Benzene, toluene, ethylbenzene, total xylenes, and naphthalene analyzed by EPA Method 8260B

TABLE 2

**SOIL BORING ANALYTICAL RESULTS
STATE 18-1 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.**

| Soil Sample | Date | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Naphthalene (mg/kg) | GRO (mg/kg) | DRO (mg/kg) | TPH (mg/kg) |
|-----------------------------------|-------------|----------------------------|----------------------------|---------------------------------|----------------------------------|--------------------------------|------------------------|------------------------|------------------------|
| SB01 @ 12' | 7/31/2015 | <0.0020 | <0.0050 | 0.024 | <0.010 | <0.010 | <50 | 74 | 74 |
| SB02 @ 15' | 7/31/2015 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <50 | <50 | <100 |
| SB03 @ 12' | 7/31/2015 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <50 | 56 | 56 |
| SB04 @ 12' | 7/31/2015 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <50 | 190 | 190 |
| SB05 @ 12' | 7/31/2015 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.010 | <50 | <50 | <100 |
| COGCC Table 910-1 Standard | | 0.17 | 85 | 100 | 175 | 23 | -- | -- | 500 |

NOTES:

COGCC - Colorado Oil and Gas Conservation Commission

DRO - diesel range organics analyzed by EPA Method 8015

GRO - gasoline range organics analyzed by EPA Method 8260B

mg/kg - milligrams per kilogram

TPH - total petroleum hydrocarbons is the sum of GRO and DRO

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

-- - not applicable

Benzene, toluene, ethylbenzene, total xylenes, and naphthalene analyzed by EPA Method 8260B

TABLE 3

**GROUNDWATER ANALYTICAL RESULTS
STATE 18-1 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.**

| Monitoring Well | Date | Depth to Water (feet btoc) | Relative Groundwater Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|--------------------------|-----------|----------------------------|---------------------------------------|---|----------------|---------------------|----------------------|
| SB01 | 8/12/2015 | ND | NM | Monitoring well dry - no sample collected | | | |
| SB02 | 8/12/2015 | 13.65 | 83.93 | <1.0 | <1.0 | <1.0 | <1.0 |
| SB03 | 8/12/2015 | 11.76 | 86.12 | <4.0 | <4.0 | <4.0 | <4.0 |
| SB04 | 8/12/2015 | 9.75 | 87.31 | <4.0 | <4.0 | <4.0 | <4.0 |
| SB05 | 8/12/2015 | 8.46 | 89.05 | <4.0 | <4.0 | <4.0 | <4.0 |
| CDPHE WQCC Reg 41 | | | | 5.0 | 560 | 700 | 1,400 |

NOTES:

btoc - below top of casing

µg/L - micrograms per liter

ND - not detected

NM - not measured

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

Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260C

CDPHE WQCC Reg 41 - Colorado Department of Public Health and Environment-Water Quality Control Commission
Regulation 41- The Basic Standards for Ground Water

ATTACHMENT 1
EXCAVATION LABORATORY ANALYTICAL REPORTS



Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 22, 2015

Chris Roy
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: State 18-1

Enclosed are the results of analyses for samples received by Summit Scientific on 07/21/15 17:52. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/22/15 07:49

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SS01@13' | 1507229-01 | Soil | 07/21/15 13:05 | 07/21/15 17:52 |
| SS02@13' | 1507229-02 | Soil | 07/21/15 13:10 | 07/21/15 17:52 |
| SS03@13' | 1507229-03 | Soil | 07/21/15 15:00 | 07/21/15 17:52 |
| SS04@13' | 1507229-04 | Soil | 07/21/15 13:15 | 07/21/15 17:52 |
| SS05@15' | 1507229-05 | Soil | 07/21/15 13:20 | 07/21/15 17:52 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/22/15 07:49

Summit Scientific 1507229

S₂

741 Corporate Circle, Suite J&K ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: LT Environmental, Inc.

Project Manager: Chris Roy

Address: 4600 West 60th Ave

E-Mail: c.roy@ltenv.com + Mike Remington

City/State/Zip: Arvada, CO 80003

Phone: 303-433-9788

Fax: 303-433-1432

Project Name: State 18-1

Sampler Name: Duster

Project Number: 008315048

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-----------------|-------------|------|----------------|-----------------|--------------------|----------|-------|---|----------------------|
| | | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air-Canister # | Other (Specify) | BTCK | ESRO DRG | Depth | | |
| 1 | SS01013' | 7/21/15 | 1305 | 1 | | | | | | X | | | | X | X | X | |
| 2 | SS02017' | | 1310 | 1 | | | | | | X | | | | | | | |
| 3 | SS03013' | | 1500 | 1 | | | | | | X | | | | | | | |
| 4 | SS04013' | | 1315 | 1 | | | | | | X | | | | | | | |
| 5 | SS05015' | | 1320 | 1 | | | | | | X | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

| | | | | | |
|--|-------------------------|--------------|-------------------------|---|--------|
| Relinquished by: | Date/Time: 7/21/15 1700 | Received by: | Date/Time: 7/21/15 1700 | Turn Around Time (Check) | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day <input checked="" type="checkbox"/> 72 hours — | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 24 hours — Standard — | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 48 hours — | |
| Sample Integrity: | | | | Temperature Upon Receipt: 6.2 | |
| Intact: <input checked="" type="checkbox"/> Yes No | | | | | |

www.s2scientific.com

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/22/15 07:49

SS01@13'
1507229-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/21/15 13:05

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 230 | 50 | mg/kg | 1 | 1507249 | 07/21/15 | 07/21/15 | 8015M | |

Date Sampled: 07/21/15 13:05

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 117 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/21/15 13:05

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.099 | 0.010 | mg/kg | 1 | 1507248 | 07/21/15 | 07/22/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.055 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.081 | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/21/15 13:05

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 96.4 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 85.2 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 130 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/22/15 07:49

SS02@13'
1507229-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/21/15 13:10

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 210 | 50 | mg/kg | 1 | 1507249 | 07/21/15 | 07/21/15 | 8015M | |

Date Sampled: 07/21/15 13:10

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 109 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/21/15 13:10

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.076 | 0.010 | mg/kg | 1 | 1507248 | 07/21/15 | 07/22/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.010 | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/21/15 13:10

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 93.0 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 79.4 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 136 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/22/15 07:49

SS03@13'
1507229-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/21/15 15:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 550 | 50 | mg/kg | 1 | 1507249 | 07/21/15 | 07/21/15 | 8015M | |

Date Sampled: 07/21/15 15:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 119 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/21/15 15:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.71 | 0.010 | mg/kg | 1 | 1507248 | 07/21/15 | 07/22/15 | EPA 8260B | |
| Benzene | 0.23 | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 7.9 | 0.50 | " | 100 | " | " | 07/21/15 | " | |
| Xylenes (total) | 47 | 1.0 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 1500 | 50 | " | " | " | " | " | " | |

Date Sampled: 07/21/15 15:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 81.1 % | 23-173 | | " | " | 07/22/15 | " | |
| Surrogate: Toluene-d8 | | 82.6 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 121 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/22/15 07:49

SS04@13'
1507229-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/21/15 13:15

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 270 | 50 | mg/kg | 1 | 1507249 | 07/21/15 | 07/22/15 | 8015M | |

Date Sampled: 07/21/15 13:15

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 118 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/21/15 13:15

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.26 | 0.010 | mg/kg | 1 | 1507248 | 07/21/15 | 07/22/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.81 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 3.4 | 1.0 | " | 100 | " | " | 07/21/15 | " | |
| Gasoline Range Hydrocarbons | 380 | 50 | " | " | " | " | " | " | |

Date Sampled: 07/21/15 13:15

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 98.2 % | 23-173 | | " | " | 07/22/15 | " | |
| Surrogate: Toluene-d8 | | 87.1 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.3 % | 21-167 | | " | " | " | " | |

Summit Scientific

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/22/15 07:49

SS05@15'
1507229-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/21/15 13:20

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 180 | 50 | mg/kg | 1 | 1507249 | 07/21/15 | 07/22/15 | 8015M | |

Date Sampled: 07/21/15 13:20

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: o-Terphenyl</i> | | 107 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/21/15 13:20

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.028 | 0.010 | mg/kg | 1 | 1507248 | 07/21/15 | 07/22/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.0056 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.020 | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/21/15 13:20

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 95.8 % | 23-173 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 93.1 % | 20-170 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 103 % | 21-167 | | " | " | " | " | |

Summit Scientific

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/22/15 07:49

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507249 - EPA 3550A

Blank (1507249-BLK1)

Prepared & Analyzed: 07/21/15

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.8 " 12.2 105 30-150

LCS (1507249-BS1)

Prepared & Analyzed: 07/21/15

C10-C28 (DRO) 482 50 mg/kg 501 96.2 73-134

Surrogate: o-Terphenyl 13.0 " 12.2 107 30-150

Matrix Spike (1507249-MS1)

Source: 1507228-01

Prepared & Analyzed: 07/21/15

C10-C28 (DRO) 466 50 mg/kg 488 26.7 90.0 50-148

Surrogate: o-Terphenyl 12.8 " 11.9 108 30-150

Matrix Spike Dup (1507249-MSD1)

Source: 1507228-01

Prepared & Analyzed: 07/21/15

C10-C28 (DRO) 460 50 mg/kg 488 26.7 88.8 50-148 1.26 13

Surrogate: o-Terphenyl 12.6 " 11.9 106 30-150

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/22/15 07:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507248 - EPA 5030 Soil MS

Blank (1507248-BLK1)

Prepared & Analyzed: 07/21/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|------|--------|--|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | | | | |
| Benzene | ND | 0.0020 | " | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0372 | | " | 0.0396 | 94.0 | 23-173 | | | | |
| Surrogate: Toluene-d8 | 0.0375 | | " | 0.0400 | 93.7 | 20-170 | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0406 | | " | 0.0400 | 101 | 21-167 | | | | |

LCS (1507248-BS1)

Prepared & Analyzed: 07/21/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|------|--------|--|--|--|--|
| Naphthalene | 0.134 | 0.010 | mg/kg | 0.150 | 89.4 | 66-138 | | | | |
| Benzene | 0.144 | 0.0020 | " | 0.150 | 96.0 | 58-130 | | | | |
| Toluene | 0.145 | 0.0050 | " | 0.150 | 96.9 | 61-134 | | | | |
| Ethylbenzene | 0.154 | 0.0050 | " | 0.150 | 102 | 74-139 | | | | |
| m,p-Xylene | 0.308 | 0.010 | " | 0.300 | 103 | 73-137 | | | | |
| o-Xylene | 0.148 | 0.0050 | " | 0.150 | 99.0 | 73-141 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0371 | | " | 0.0396 | 93.6 | 23-173 | | | | |
| Surrogate: Toluene-d8 | 0.0386 | | " | 0.0400 | 96.4 | 20-170 | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0404 | | " | 0.0400 | 101 | 21-167 | | | | |

Matrix Spike (1507248-MS1)

Source: 1507228-01

Prepared & Analyzed: 07/21/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|------|--------|--------|--|--|--|
| Naphthalene | 0.120 | 0.010 | mg/kg | 0.144 | ND | 82.9 | 10-158 | | | |
| Benzene | 0.140 | 0.0020 | " | 0.144 | ND | 97.1 | 30-131 | | | |
| Toluene | 0.142 | 0.0050 | " | 0.144 | ND | 98.7 | 30-134 | | | |
| Ethylbenzene | 0.146 | 0.0050 | " | 0.144 | ND | 101 | 22-153 | | | |
| m,p-Xylene | 0.291 | 0.010 | " | 0.288 | ND | 101 | 10-159 | | | |
| o-Xylene | 0.142 | 0.0050 | " | 0.144 | ND | 98.6 | 31-151 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0364 | | " | 0.0381 | 95.5 | 23-173 | | | | |
| Surrogate: Toluene-d8 | 0.0378 | | " | 0.0385 | 98.2 | 20-170 | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0384 | | " | 0.0385 | 99.8 | 21-167 | | | | |

Summit Scientific

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/22/15 07:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507248 - EPA 5030 Soil MS

| Matrix Spike Dup (1507248-MSD1) | | Source: 1507228-01 | | | Prepared & Analyzed: 07/21/15 | | | | | |
|----------------------------------|--------|--------------------|-------|--------|-------------------------------|------|--------|------|----|--|
| Naphthalene | 0.115 | 0.010 | mg/kg | 0.141 | ND | 81.9 | 10-158 | 3.52 | 42 | |
| Benzene | 0.134 | 0.0020 | " | 0.141 | ND | 95.1 | 30-131 | 4.38 | 34 | |
| Toluene | 0.135 | 0.0050 | " | 0.141 | ND | 95.6 | 30-134 | 5.45 | 30 | |
| Ethylbenzene | 0.139 | 0.0050 | " | 0.141 | ND | 98.9 | 22-153 | 4.84 | 24 | |
| m,p-Xylene | 0.278 | 0.010 | " | 0.282 | ND | 98.7 | 10-159 | 4.59 | 68 | |
| o-Xylene | 0.137 | 0.0050 | " | 0.141 | ND | 96.9 | 31-151 | 3.98 | 38 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0362 | | " | 0.0372 | | 97.3 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0371 | | " | 0.0376 | | 98.8 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0387 | | " | 0.0376 | | 103 | 21-167 | | | |

Summit Scientific

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/22/15 07:49

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A handwritten signature in black ink, appearing to be 'MSM'.

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 24, 2015

Chris Roy
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: State 18-1

Enclosed are the results of analyses for samples received by Summit Scientific on 07/23/15 18:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/24/15 06:22

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SS08@15' | 1507252-01 | Soil | 07/23/15 14:00 | 07/23/15 18:30 |

Summit Scientific ^{S₂} 1507252

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: LTG Project Manager: Chris Roy
Address: _____ E-Mail: Chris.Roy@ltg.com
City/State/Zip: _____
Phone: 303-433-9788 Fax: _____ Project Name: State 18-1
Sampler Name: D18-15 Project Number: 008315

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | Special Instructions | |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-----------------|-------------|------|----------------|-----------------|--------------------|-----|-------|--|----------------------|--|
| | | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air-Canister # | Other (Specify) | BTX | GRD | Depth | | | |
| 1 | SS08@15' | 7/23/15 | 1400 | 1 | | | | | | X | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|--------------------------------|-----------------------------------|---------------------------------|---|--------|
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>7/23/15 1830</u> | Received by: <u>Rama Ferguson</u> | Date/Time: <u>18:30 7/23/15</u> | Turn Around Time (Check) Same Day <u>X</u> 72 hours <u>—</u> 24 hours <u>—</u> Standard <u>—</u> 48 hours <u>—</u> | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Sample Integrity: Temperature Upon Receipt: <u>26.4</u> Intact: <u>Yes</u> No | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | | |

www.s2scientific.com

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/24/15 06:22

SS08@15'
1507252-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/23/15 14:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1507264 | 07/23/15 | 07/24/15 | 8015M | |

Date Sampled: 07/23/15 14:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 104 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/23/15 14:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.017 | 0.010 | mg/kg | 1 | 1507270 | 07/23/15 | 07/24/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/23/15 14:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 100 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.5 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/24/15 06:22

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507264 - EPA 3550A

Blank (1507264-BLK1)

Prepared & Analyzed: 07/23/15

| | | | | | | | | | | |
|------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| Surrogate: o-Terphenyl | 12.1 | | " | 12.2 | | 99.3 | 30-150 | | | |

LCS (1507264-BS1)

Prepared & Analyzed: 07/23/15

| | | | | | | | | | | |
|------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO) | 414 | 50 | mg/kg | 501 | | 82.7 | 73-134 | | | |
| Surrogate: o-Terphenyl | 12.1 | | " | 12.2 | | 98.9 | 30-150 | | | |

Matrix Spike (1507264-MS1)

Source: 1507251-01

Prepared & Analyzed: 07/23/15

| | | | | | | | | | | |
|------------------------|------|----|-------|------|------|------|--------|--|--|--|
| C10-C28 (DRO) | 428 | 50 | mg/kg | 496 | 42.1 | 77.8 | 50-148 | | | |
| Surrogate: o-Terphenyl | 12.4 | | " | 12.1 | | 103 | 30-150 | | | |

Matrix Spike Dup (1507264-MSD1)

Source: 1507251-01

Prepared & Analyzed: 07/23/15

| | | | | | | | | | | |
|------------------------|------|----|-------|------|------|------|--------|------|----|--|
| C10-C28 (DRO) | 422 | 50 | mg/kg | 495 | 42.1 | 76.8 | 50-148 | 1.32 | 13 | |
| Surrogate: o-Terphenyl | 12.5 | | " | 12.1 | | 104 | 30-150 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/24/15 06:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507270 - EPA 5030 Soil MS

Blank (1507270-BLK1)

Prepared & Analyzed: 07/23/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | | | | |
| Benzene | ND | 0.0020 | " | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0389 | | " | 0.0396 | | 98.2 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0394 | | " | 0.0400 | | 98.5 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0377 | | " | 0.0400 | | 94.4 | 21-167 | | | |

LCS (1507270-BS1)

Prepared & Analyzed: 07/23/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | 66-138 | | | |
| Benzene | 0.121 | 0.0020 | " | 0.100 | | 121 | 58-130 | | | |
| Toluene | 0.121 | 0.0050 | " | 0.100 | | 121 | 61-134 | | | |
| Ethylbenzene | 0.129 | 0.0050 | " | 0.0992 | | 130 | 74-139 | | | |
| m,p-Xylene | 0.263 | 0.010 | " | 0.200 | | 132 | 73-137 | | | |
| o-Xylene | 0.130 | 0.0050 | " | 0.0984 | | 132 | 73-141 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0393 | | " | 0.0396 | | 99.3 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0400 | | " | 0.0400 | | 100 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0374 | | " | 0.0400 | | 93.4 | 21-167 | | | |

Matrix Spike (1507270-MS1)

Source: 1507251-01

Prepared & Analyzed: 07/23/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|---------|------|--------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | 10-158 | | | |
| Benzene | 0.116 | 0.0020 | " | 0.0938 | ND | 123 | 30-131 | | | |
| Toluene | 0.116 | 0.0050 | " | 0.0938 | ND | 123 | 30-134 | | | |
| Ethylbenzene | 0.128 | 0.0050 | " | 0.0931 | ND | 138 | 22-153 | | | |
| m,p-Xylene | 0.263 | 0.010 | " | 0.187 | 0.00868 | 136 | 10-159 | | | |
| o-Xylene | 0.128 | 0.0050 | " | 0.0923 | ND | 139 | 31-151 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0370 | | " | 0.0371 | | 99.5 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0381 | | " | 0.0375 | | 102 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0351 | | " | 0.0375 | | 93.6 | 21-167 | | | |

Summit Scientific

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/24/15 06:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507270 - EPA 5030 Soil MS

| Matrix Spike Dup (1507270-MSD1) | | Source: 1507251-01 | | | Prepared & Analyzed: 07/23/15 | | | | | |
|----------------------------------|--------|--------------------|-------|--------|-------------------------------|------|--------|-------|----|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | 10-158 | | 42 | |
| Benzene | 0.117 | 0.0020 | " | 0.0933 | ND | 125 | 30-131 | 1.13 | 34 | |
| Toluene | 0.116 | 0.0050 | " | 0.0933 | ND | 125 | 30-134 | 0.478 | 30 | |
| Ethylbenzene | 0.130 | 0.0050 | " | 0.0925 | ND | 140 | 22-153 | 1.37 | 24 | |
| m,p-Xylene | 0.268 | 0.010 | " | 0.186 | 0.00868 | 139 | 10-159 | 2.19 | 68 | |
| o-Xylene | 0.128 | 0.0050 | " | 0.0918 | ND | 140 | 31-151 | 0.205 | 38 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0375 | | " | 0.0369 | | 102 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0372 | | " | 0.0373 | | 99.8 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0343 | | " | 0.0373 | | 92.0 | 21-167 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/24/15 06:22

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A handwritten signature in black ink, appearing to be 'MSM'.

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 28, 2015

Chris Roy
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: State 18-1

Enclosed are the results of analyses for samples received by Summit Scientific on 07/27/15 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/28/15 07:00

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SS09@11' | 1507269-01 | Soil | 07/27/15 13:15 | 07/27/15 18:00 |
| SS10@11' | 1507269-02 | Soil | 07/27/15 13:30 | 07/27/15 18:00 |
| SS11@11' | 1507269-03 | Soil | 07/27/15 13:45 | 07/27/15 18:00 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/28/15 07:00

Summit Scientific 1507269

S₂

741 Corporate Circle, Suite J&K ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: LT Environmental, Inc.

Project Manager: Chris Roy

Address: 4600 West 60th Ave

E-Mail: c.roy@ltenv.com F. Abbott Resolution

City/State/Zip: Arvada, CO 80003

Phone: 303-433-9788

Fax: 303-433-1432

Project Name: State 18-1

Sampler Name: D-151

Project Number: 008315

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-----------------|-------------|------|----------------|-----------------|--------------------|-----|-----|-------|----------------------|
| | | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air-Canister # | Other (Specify) | BTX | CRD | DRO | Other | |
| 1 | SS09011 | 7/27/15 | 1345 | 1 | | | | | | X | | | | X | X | X | |
| 2 | SS18011 | ↓ | 1330 | 1 | | | | | | X | | | | X | X | X | |
| 3 | SS11011 | ↓ | 1345 | 1 | | | | | | X | | | | X | X | X | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

| | | | | | |
|------------------|-------------------------|--------------|-------------------------|--|--------|
| Relinquished by: | Date/Time: 7/27/15 1730 | Received by: | Date/Time: 7/27/15 1730 | Turn Around Time (Check) | Notes: |
| | | | | Same Day <input checked="" type="checkbox"/> 72 hours <input type="checkbox"/> | on ice |
| | | | | 24 hours <input type="checkbox"/> Standard <input type="checkbox"/> | |
| | | | | 48 hours <input type="checkbox"/> | |
| Relinquished by: | Date/Time: 7/27/15 1800 | Received by: | Date/Time: 7/27 1800 | Sample Integrity: | |
| | | | | Temperature Upon Receipt: 12.9°C | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

www.s2scientific.com

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/28/15 07:00

SS09@11'
1507269-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/27/15 13:15

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1507290 | 07/27/15 | 07/27/15 | 8015M | |

Date Sampled: 07/27/15 13:15

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 103 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/27/15 13:15

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.012 | 0.010 | mg/kg | 1 | 1507289 | 07/27/15 | 07/27/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/27/15 13:15

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 109 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.2 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/28/15 07:00

SS10@11'
1507269-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/27/15 13:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1507290 | 07/27/15 | 07/27/15 | 8015M | |

Date Sampled: 07/27/15 13:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 103 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/27/15 13:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.094 | 0.010 | mg/kg | 1 | 1507289 | 07/27/15 | 07/27/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.051 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/27/15 13:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 99.0 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 112 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 114 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/28/15 07:00

SS11@11'
1507269-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/27/15 13:45

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1507290 | 07/27/15 | 07/27/15 | 8015M | |

Date Sampled: 07/27/15 13:45

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 103 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/27/15 13:45

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.011 | 0.010 | mg/kg | 1 | 1507289 | 07/27/15 | 07/28/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/27/15 13:45

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 92.8 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/28/15 07:00

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507290 - EPA 3550A

Blank (1507290-BLK1)

Prepared & Analyzed: 07/27/15

| | | | | | | | | | | |
|------------------------|------|----|-------|------|-----|--|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| Surrogate: o-Terphenyl | 12.6 | | " | 12.2 | 104 | | 30-150 | | | |

LCS (1507290-BS1)

Prepared & Analyzed: 07/27/15

| | | | | | | | | | | |
|------------------------|------|----|-------|------|------|--|--------|--|--|--|
| C10-C28 (DRO) | 464 | 50 | mg/kg | 501 | 92.5 | | 73-134 | | | |
| Surrogate: o-Terphenyl | 12.5 | | " | 12.2 | 102 | | 30-150 | | | |

Matrix Spike (1507290-MS1)

Source: 1507264-01

Prepared & Analyzed: 07/27/15

| | | | | | | | | | | |
|------------------------|------|----|-------|------|------|------|--------|--|--|--|
| C10-C28 (DRO) | 426 | 50 | mg/kg | 461 | 12.1 | 89.7 | 50-148 | | | |
| Surrogate: o-Terphenyl | 11.1 | | " | 11.2 | 99.2 | | 30-150 | | | |

Matrix Spike Dup (1507290-MSD1)

Source: 1507264-01

Prepared & Analyzed: 07/27/15

| | | | | | | | | | | |
|------------------------|------|----|-------|------|------|------|--------|------|----|--|
| C10-C28 (DRO) | 419 | 50 | mg/kg | 466 | 12.1 | 87.3 | 50-148 | 1.76 | 13 | |
| Surrogate: o-Terphenyl | 11.0 | | " | 11.3 | 97.3 | | 30-150 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/28/15 07:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507289 - EPA 5030 Soil MS

Blank (1507289-BLK1)

Prepared & Analyzed: 07/27/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | | | | |
| Benzene | ND | 0.0020 | " | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0398 | | " | 0.0396 | | 100 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0398 | | " | 0.0400 | | 99.4 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0389 | | " | 0.0400 | | 97.3 | 21-167 | | | |

LCS (1507289-BS1)

Prepared & Analyzed: 07/27/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | 66-138 | | | |
| Benzene | 0.109 | 0.0020 | " | 0.100 | | 109 | 58-130 | | | |
| Toluene | 0.108 | 0.0050 | " | 0.100 | | 108 | 61-134 | | | |
| Ethylbenzene | 0.114 | 0.0050 | " | 0.0992 | | 114 | 74-139 | | | |
| m,p-Xylene | 0.230 | 0.010 | " | 0.200 | | 115 | 73-137 | | | |
| o-Xylene | 0.115 | 0.0050 | " | 0.0984 | | 117 | 73-141 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0380 | | " | 0.0396 | | 95.8 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0428 | | " | 0.0400 | | 107 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0375 | | " | 0.0400 | | 93.8 | 21-167 | | | |

Matrix Spike (1507289-MS1)

Source: 1507264-01

Prepared & Analyzed: 07/27/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | 10-158 | | | |
| Benzene | 0.108 | 0.0020 | " | 0.0929 | ND | 116 | 30-131 | | | |
| Toluene | 0.108 | 0.0050 | " | 0.0929 | ND | 116 | 30-134 | | | |
| Ethylbenzene | 0.114 | 0.0050 | " | 0.0922 | ND | 124 | 22-153 | | | |
| m,p-Xylene | 0.233 | 0.010 | " | 0.186 | ND | 126 | 10-159 | | | |
| o-Xylene | 0.117 | 0.0050 | " | 0.0914 | ND | 127 | 31-151 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0384 | | " | 0.0368 | | 104 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0378 | | " | 0.0372 | | 102 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0359 | | " | 0.0372 | | 96.6 | 21-167 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/28/15 07:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507289 - EPA 5030 Soil MS

| Matrix Spike Dup (1507289-MSD1) | | Source: 1507264-01 | | | Prepared & Analyzed: 07/27/15 | | | | | |
|----------------------------------|--------|--------------------|-------|--------|-------------------------------|------|--------|------|----|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | 10-158 | | 42 | |
| Benzene | 0.115 | 0.0020 | " | 0.0963 | ND | 119 | 30-131 | 6.55 | 34 | |
| Toluene | 0.115 | 0.0050 | " | 0.0963 | ND | 119 | 30-134 | 6.12 | 30 | |
| Ethylbenzene | 0.127 | 0.0050 | " | 0.0956 | ND | 133 | 22-153 | 10.4 | 24 | |
| m,p-Xylene | 0.259 | 0.010 | " | 0.192 | ND | 134 | 10-159 | 10.2 | 68 | |
| o-Xylene | 0.130 | 0.0050 | " | 0.0948 | ND | 137 | 31-151 | 11.0 | 38 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0427 | | " | 0.0382 | | 112 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0390 | | " | 0.0385 | | 101 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0380 | | " | 0.0385 | | 98.6 | 21-167 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/28/15 07:00

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Summit Scientific

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A handwritten signature in black ink, appearing to be 'MSM'.

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 29, 2015

Chris Roy
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: State 18-1

Enclosed are the results of analyses for samples received by Summit Scientific on 07/28/15 18:56. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/29/15 07:02

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SS12@11' | 1507279-01 | Soil | 07/28/15 14:00 | 07/28/15 18:56 |
| SS15@13' | 1507279-02 | Soil | 07/28/15 14:30 | 07/28/15 18:56 |

Summit Scientific

A handwritten signature in black ink, appearing to be 'MSM'.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/29/15 07:02

Summit Scientific *1507279*

S₂

741 Corporate Circle, Suite J&K ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: LT Environmental, Inc. Project Manager: *Chris Roy*
Address: 4600 West 60th Ave E-Mail: *LTEnv.com White Ram*
City/State/Zip: Arvada, CO 80003
Phone: 303-433-9788 Fax: 303-433-1432 Project Name: *State 18-1*
Sampler Name: *DH/8* Project Number: *008315048*

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | Special Instructions | | |
|----|--------------------|----------------|--------------|-----------------|--------------|------------------|------|-----------------|-------------|-------------------------------------|----------------|-----------------|--------------------|---------|-------------------------------------|-------------------------------------|-------------------------------------|--|--|--|----------------------|--|--|
| | | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air-Canister # | Other (Specify) | BTX | GRE DRG | Asph | | | | | | | | |
| 1 | <i>SS120.11</i> | <i>7/28/15</i> | <i>1400</i> | <i>1</i> | | | | | | <input checked="" type="checkbox"/> | | | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | |
| 2 | <i>SS120.13</i> | <i>7/28/15</i> | <i>1430</i> | <i>1</i> | | | | | | <input checked="" type="checkbox"/> | | | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|---------------------------------|-----------------------------------|---------------------------------|--|--------|
| Relinquished by: <i>[Signature]</i> | Date/Time: <i>7/28/15 18:15</i> | Received by: <i>Rena Ferguson</i> | Date/Time: <i>7/28/15 18:15</i> | Turn Around Time (Check) | Notes: |
| Relinquished by: <i>[Signature]</i> | Date/Time: <i>7/28</i> | Received by: <i>[Signature]</i> | Date/Time: <i>18:20</i> | Same Day <input checked="" type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> Standard <input type="checkbox"/> 48 hours <input type="checkbox"/> | |
| Relinquished by: <i>[Signature]</i> | Date/Time: <i>7/28</i> | Received by: <i>[Signature]</i> | Date/Time: <i>18:20</i> | Sample Integrity: Temperature Upon Receipt: <input type="checkbox"/> Intact: Yes <input type="checkbox"/> No <input type="checkbox"/> | |

www.s2scientific.com

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

[Signature]



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/29/15 07:02

SS12@11'
1507279-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/28/15 14:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 76 | 50 | mg/kg | 1 | 1507300 | 07/28/15 | 07/29/15 | 8015M | |

Date Sampled: 07/28/15 14:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 99.4 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/28/15 14:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | 0.026 | 0.010 | mg/kg | 1 | 1507299 | 07/28/15 | 07/28/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/28/15 14:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.6 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/29/15 07:02

SS15@13'
1507279-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/28/15 14:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1507300 | 07/28/15 | 07/29/15 | 8015M | |

Date Sampled: 07/28/15 14:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 108 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/28/15 14:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1507299 | 07/28/15 | 07/28/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/28/15 14:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.8 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/29/15 07:02

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507300 - EPA 3550A

Blank (1507300-BLK1)

Prepared & Analyzed: 07/28/15

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.3 " 12.2 101 30-150

LCS (1507300-BS1)

Prepared & Analyzed: 07/28/15

C10-C28 (DRO) 548 50 mg/kg 501 109 73-134

Surrogate: o-Terphenyl 12.6 " 12.2 103 30-150

Matrix Spike (1507300-MS1)

Source: 1507277-01

Prepared & Analyzed: 07/28/15

C10-C28 (DRO) 463 50 mg/kg 496 14.7 90.3 50-148

Surrogate: o-Terphenyl 12.2 " 12.1 101 30-150

Matrix Spike Dup (1507300-MSD1)

Source: 1507277-01

Prepared & Analyzed: 07/28/15

C10-C28 (DRO) 460 50 mg/kg 492 14.7 90.5 50-148 0.559 13

Surrogate: o-Terphenyl 12.3 " 12.0 103 30-150

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/29/15 07:02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507299 - EPA 5030 Soil MS

Blank (1507299-BLK1)

Prepared & Analyzed: 07/28/15

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | | | | |
| Benzene | ND | 0.0020 | " | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0387</i> | | <i>"</i> | <i>0.0396</i> | | <i>97.7</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0381</i> | | <i>"</i> | <i>0.0400</i> | | <i>95.2</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0374</i> | | <i>"</i> | <i>0.0400</i> | | <i>93.4</i> | <i>21-167</i> | | | |

LCS (1507299-BS1)

Prepared & Analyzed: 07/28/15

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|--|-------------|---------------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | 66-138 | | | |
| Benzene | 0.117 | 0.0020 | " | 0.100 | | 117 | 58-130 | | | |
| Toluene | 0.115 | 0.0050 | " | 0.100 | | 115 | 61-134 | | | |
| Ethylbenzene | 0.125 | 0.0050 | " | 0.0992 | | 126 | 74-139 | | | |
| m,p-Xylene | 0.256 | 0.010 | " | 0.200 | | 128 | 73-137 | | | |
| o-Xylene | 0.125 | 0.0050 | " | 0.0984 | | 127 | 73-141 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0390</i> | | <i>"</i> | <i>0.0396</i> | | <i>98.4</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0399</i> | | <i>"</i> | <i>0.0400</i> | | <i>99.8</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0373</i> | | <i>"</i> | <i>0.0400</i> | | <i>93.3</i> | <i>21-167</i> | | | |

Matrix Spike (1507299-MS1)

Source: 1507277-01

Prepared & Analyzed: 07/28/15

| | | | | | | | | | | |
|---|---------------|--------|----------|---------------|----|-------------|---------------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | 10-158 | | | |
| Benzene | 0.117 | 0.0020 | " | 0.0960 | ND | 122 | 30-131 | | | |
| Toluene | 0.117 | 0.0050 | " | 0.0960 | ND | 122 | 30-134 | | | |
| Ethylbenzene | 0.129 | 0.0050 | " | 0.0952 | ND | 136 | 22-153 | | | |
| m,p-Xylene | 0.260 | 0.010 | " | 0.192 | ND | 136 | 10-159 | | | |
| o-Xylene | 0.129 | 0.0050 | " | 0.0944 | ND | 137 | 31-151 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0379</i> | | <i>"</i> | <i>0.0380</i> | | <i>99.8</i> | <i>23-173</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.0389</i> | | <i>"</i> | <i>0.0384</i> | | <i>101</i> | <i>20-170</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.0355</i> | | <i>"</i> | <i>0.0384</i> | | <i>92.4</i> | <i>21-167</i> | | | |

Summit Scientific

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/29/15 07:02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1507299 - EPA 5030 Soil MS

| Matrix Spike Dup (1507299-MSD1) | | Source: 1507277-01 | | | Prepared & Analyzed: 07/28/15 | | | | | |
|----------------------------------|--------|--------------------|-------|--------|-------------------------------|------|--------|------|----|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | 10-158 | | 42 | |
| Benzene | 0.110 | 0.0020 | " | 0.0928 | ND | 119 | 30-131 | 5.71 | 34 | |
| Toluene | 0.110 | 0.0050 | " | 0.0928 | ND | 119 | 30-134 | 5.51 | 30 | |
| Ethylbenzene | 0.122 | 0.0050 | " | 0.0920 | ND | 133 | 22-153 | 5.49 | 24 | |
| m,p-Xylene | 0.251 | 0.010 | " | 0.185 | ND | 136 | 10-159 | 3.63 | 68 | |
| o-Xylene | 0.125 | 0.0050 | " | 0.0913 | ND | 136 | 31-151 | 3.86 | 38 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0379 | | " | 0.0367 | | 103 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0373 | | " | 0.0371 | | 100 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0346 | | " | 0.0371 | | 93.3 | 21-167 | | | |

Summit Scientific

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: State 18-1
Project Number: 008315048
Project Manager: Chris Roy

Reported:
07/29/15 07:02

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A handwritten signature in black ink, appearing to be 'MSM'.

ATTACHMENT 2
WELL COMPLETION DIAGRAMS





Compliance • Engineering • Remediation
LT Environmental, Inc.
 4600 W. 60th Avenue
 Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

BORING/WELL NO.: SB01
DATE: 07/31/2015 - 09:31
LOGGED BY: Dan Hosler
DRILL MTHD: 6" Solid Stem Auger

PROJECT: State 18-1
PROJECT NO.: 008315048
DRILLED BY: Elite Drilling
SAMPLE MTHD: 2' split spoon

DETECTOR: UltraRae 3000

GRAVEL PACK: 10-20 silica sand

CASING TYPE: PVC

SCREEN TYPE: PVC

HOLE DIA.: 6.00"

SEAL: Bentonite chips

CASING DIA.: 2.0"

SCREEN SLOT: 0.01"

TD: 15.0' **DTW:** Not Encountered

GROUT: NA

CASING LENGTH: 5.0'

SCREEN LENGTH: 10.0'

| Vapor (ppm) 0.0 1500.0 | Staining | Moisture Content | Sample | Sample Run (ft/ft) | Depth (ft. bgs.) | USCS | Soil Type | Lithology Description | Well Construction |
|---------------------------|----------|------------------|------------|--------------------|------------------|------|-----------|--|-------------------|
| 0.00 | | Dry | | 2/2 | 0 | | | SC: SAND - 0.0' - 11.0' - fine grained, dark brown, some clay, little fine gravel, dry, no odor, no staining Fine grained sand lens at 6' bgs | |
| 0.00 | | | | 2/2 | | | | | |
| 0.00 | | | | 2/2 | 5 | | | | |
| 0.00 | | | | 2/2 | | | | | |
| 0.80 | | | | 2/2 | 10 | | | | |
| 193.00 | | Dry | SB01 @ 12' | 2/2 | | | | SP: SAND - 11.0' - 14.0' - fine grained, brown, dry, no odor, no staining | |
| 1.10 | | Dry | | 2/2 | | | | CLS: CLAYSTONE - 14.0' - 16.0' - brown, little silt, dry, no odor, no staining | |
| | | | | 2/2 | 15 | | | | |



Compliance • Engineering • Remediation
LT Environmental, Inc.
 4600 W. 60th Avenue
 Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

BORING/WELL NO.: SB02
DATE: 07/31/2015 - 10:23
LOGGED BY: Dan Hosler
DRILL MTHD: 6" Solid Stem Auger

PROJECT: State 18-1
PROJECT NO.: 008315048
DRILLED BY: Elite Drilling
SAMPLE MTHD: 2' split spoon

DETECTOR: UltraRae 3000
GRAVEL PACK: 0-20 silica sand
CASING TYPE: PVC
SCREEN TYPE: PVC

HOLE DIA.: 6.0"
SEAL: Bentonite chips
CASING DIA.: 2.0"
SCREEN SLOT: 0.01"

TD: 15.0' **DTW:** Not Encountered
GROUT: NA
CASING LENGTH: 5.0'
SCREEN LENGTH: 10.0'

| Vapor (ppm) 0.0 1500.0 | Staining | Moisture Content | Sample | Sample Run (ft/ft) | Depth (ft. bgs.) | USCS | Soil Type | Lithology Description | Well Construction |
|---------------------------|----------|------------------|------------|--------------------|------------------|------|-----------|--|-------------------|
| 0.00 | | Dry | | 2/2 | 0 | | | SC: SAND - 0.0' - 14.0' - medium grained, clayey, dark brown, little gravel, dry, no odor, no staining | |
| 0.00 | | | | 2/2 | 2.5 | | | | |
| 0.00 | | | | 2/2 | 5.0 | | | | |
| 0.00 | | | | 2/2 | 7.5 | | | | |
| 0.00 | | | | 2/2 | 10.0 | | | | |
| 0.00 | | | | 2/2 | 12.5 | | | | |
| 0.15 | | Dry | | 2/2 | 15.0 | | | CLS: CLAYSTONE - 14.0' - 16.0' - brown, little silt, dry, no odor, no staining | |
| | | | SB02 @ 15' | 2/2 | 15.0 | | | | |



Compliance • Engineering • Remediation
LT Environmental, Inc.
 4600 W. 60th Avenue
 Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

BORING/WELL NO.: SB03
DATE: 07/31/2015 - 10:53
LOGGED BY: Dan Hosler
DRILL MTHD: 6" Solid Stem Auger

PROJECT: State 18-1
PROJECT NO.: 008315048
DRILLED BY: Elite Drilling
SAMPLE MTHD: 2' split spoon

DETECTOR: UltraRae 3000

GRAVEL PACK: 10-20 silica sand

CASING TYPE: PVC

SCREEN TYPE: PVC

HOLE DIA.: 6.00"

SEAL: Bentonite chips

CASING DIA.: 2.0"

SCREEN SLOT: 0.01"

TD: 15.0' **DTW:** 12.0'

GROUT: NA

CASING LENGTH: 5.0'

SCREEN LENGTH: 10.0'

| Vapor (ppm) 0.0 1500.0 | Staining | Moisture Content | Sample | Sample Run (ft/ft) | Depth (ft. bgs.) | USCS | Soil Type | Lithology Description | Well Construction |
|---------------------------|----------|------------------|--------|--------------------|------------------|------|-----------|-----------------------|-------------------|
| | | | | | 0 | | | | |
| | | | | 2/2 | | | | | |
| 0.00 | | | | 2/2 | | | | | |
| 0.00 | | | | 2/2 | 5 | | | | |
| 0.10 | | | | 2/2 | | | | | |
| 0.90 | | | | 2/2 | | | | | |
| 0.00 | | | | 2/2 | 10 | | | | |
| 75.02 | | | | 2/2 | | | | | |
| | | | | 2/2 | | | | | |
| 50.45 | | | | 2/2 | 15 | | | | |
| | | | | 2/2 | | | | | |



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Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

BORING/WELL NO.: SB04
DATE: 07/31/2015 - 12:07
LOGGED BY: Dan Hosler
DRILL MTHD: 6" Solid Stem Auger

PROJECT: State 18-1
PROJECT NO.: 008315048
DRILLED BY: Elite Drilling
SAMPLE MTHD: 2' split spoon

DETECTOR: UltraRae 3000

GRAVEL PACK: 10-20 silica sand

CASING TYPE: PVC

SCREEN TYPE: PVC

HOLE DIA.: 6.00"

SEAL: Bentonite chips

CASING DIA.: 2.0"

SCREEN SLOT: 0.01"

TD: 15.0' **DTW:** 12.0'

GROUT: NA

CASING LENGTH: 5.0'

SCREEN LENGTH: 10.0'

| Vapor (ppm) 0.0 1500.0 | Staining | Moisture Content | Sample | Sample Run (ft/ft) | Depth (ft. bgs.) | USCS | Soil Type | Lithology Description | Well Construction |
|---------------------------|----------|------------------|------------|--------------------|------------------|------|-----------|---|-------------------|
| 0.00 | | Dry | | 2/2 | 0 | | | SP: SAND - 0.0' - 7.0' - fine grained, brown, dry, no odor, no staining | |
| 0.00 | | | | 2/2 | | | | | |
| 0.00 | | | | 2/2 | 5 | | | | |
| 0.00 | | Dry | | 2/2 | | | | CL: CLAY - 7.0' - 12.0' - brown, some silt, dry, no odor, no staining, orange oxidation staining | |
| 0.00 | | | | 2/2 | | | | | |
| 0.00 | | | | 2/2 | 10 | | | | |
| 46.95 | | Wet | SB04 @ 12' | 2/2 | | | | SP: SAND - 12.0' - 13.0' - fine grained, brown, wet, no odor, no staining | |
| 1.05 | | Dry | | 2/2 | | | | CLS: CLAYSTONE - 13.0' - 16.0' - brown, some silt, dry, no odor, staining and odor at 14'-15' bgs | |
| | | | | 2/2 | 15 | | | | |



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BORING LOG/MONITORING WELL COMPLETION DIAGRAM

BORING/WELL NO.: SB05
DATE: 07/31/2015 - 13:03
LOGGED BY: Dan Hosler
DRILL MTHD: 6" Solid Stem Auger

PROJECT: State 18-1
PROJECT NO.: 008315048
DRILLED BY: Elite Drilling
SAMPLE MTHD: 2' split spoon

DETECTOR: UltraRae 3000

GRAVEL PACK: 10-20 silica sand

CASING TYPE: PVC

SCREEN TYPE: PVC

HOLE DIA.: 6.00"

SEAL: Bentonite chips

CASING DIA.: 2.0"

SCREEN SLOT: 0.01"

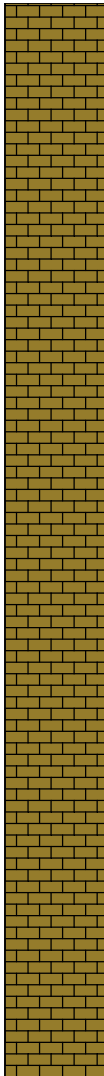
TD: 15.0' **DTW:** 14.0'

GROUT: NA

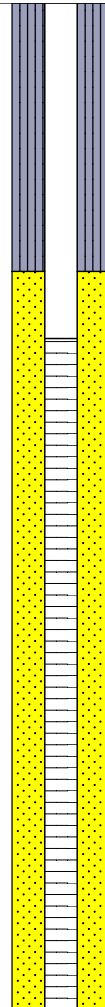
CASING LENGTH: 5.0'

SCREEN LENGTH: 10.0'

| Vapor (ppm) 0.0 1500.0 | Staining | Moisture Content | Sample | Sample Run (ft/ft) | Depth (ft. bgs.) | USCS | Soil Type | Lithology Description | Well Construction |
|---------------------------|----------|------------------|------------|--------------------|------------------|------|-----------|-----------------------|-------------------|
| | | | | | 0 | | | | |
| | | | | 2/2 | | | | | |
| 0.00 | | | | 2/2 | | | | | |
| 0.00 | | | | 2/2 | 5 | | | | |
| 0.00 | | | | 2/2 | | | | | |
| 0.00 | | | | 2/2 | | | | | |
| 0.00 | | | | 2/2 | 10 | | | | |
| 0.00 | | | | 2/2 | | | | | |
| 13.25 | | | SB05 @ 12' | 2/2 | | | | | |
| 0.00 | | | | 2/2 | | | | | |
| | | | | 2/2 | 15 | | | | |



CLS: CLAYSTONE - 0.0' - 16.0' - silty, brown, dry, no odor, orange oxidation staining, wet at 14' bgs



ATTACHMENT 3
SOIL BORING LABORATORY ANALYTICAL REPORT



Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

August 07, 2015

Chris Roy
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: NEP - State 18-1

Enclosed are the results of analyses for samples received by Summit Scientific on 07/31/15 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - State 18-1

Project Number: 0083-15098
Project Manager: Chris Roy

Reported:
08/07/15 13:39

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SB01@12' | 1508003-01 | Soil | 07/31/15 10:00 | 07/31/15 17:00 |
| SB02@15' | 1508003-02 | Soil | 07/31/15 10:30 | 07/31/15 17:00 |
| SB03@12' | 1508003-03 | Soil | 07/31/15 11:30 | 07/31/15 17:00 |
| SB04@12' | 1508003-04 | Soil | 07/31/15 12:30 | 07/31/15 17:00 |
| SB05@12' | 1508003-05 | Soil | 07/31/15 13:30 | 07/31/15 17:00 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - State 18-1

Project Number: 0083-15098
Project Manager: Chris Roy

Reported:
08/07/15 13:39

Summit Scientific 1508003

S₂

741 Corporate Circle, Suite J&K ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: LT Environmental, Inc.

Project Manager: Chris Roy

Address: 4600 West 60th Ave

E-Mail: cray@ltenvironment.com + Noble Remediation

City/State/Zip: Arvada, CO 80003

Phone: 303-433-9788

Fax: 303-433-1432

Project Name: State 18-1

Sampler Name: DHester

Project Number: 0083-15098

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | Analysis Requested | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-----------------|-------------|------|--------------------|-----------------|------|---------|----------------------|
| | | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air-Canister # | Other (Specify) | BTEX | GRO DRO | |
| 1 | S180212' | 7/31/15 | 1000 | 1 | | | | | | X | | | X | X | |
| 2 | S180215' | | 1030 | 1 | | | | | X | | | | X | X | |
| 3 | S180312' | | 1130 | 1 | | | | | X | | | | | | |
| 4 | S180412' | | 1230 | 1 | | | | | X | | | | | | |
| 5 | S180512' | | 1330 | 1 | | | | | X | | | | | | |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|--------------------------------|---------------------------------|--------------------------------|--|--------------------------|
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>7/31/15 1200</u> | Received by: <u>[Signature]</u> | Date/Time: <u>7/31/15 1700</u> | Turn Around Time (Check) | Notes: <u>on file</u> |
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>7/31/15 1745</u> | Received by: <u>[Signature]</u> | Date/Time: <u>7/31 1745</u> | Same Day <input type="checkbox"/> 72 hours <input checked="" type="checkbox"/> | |
| | | | | 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> | |
| | | | | Sample Integrity: <input checked="" type="checkbox"/> | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Temperature Upon Receipt: <u>0.2°C</u> | |
| | | | | Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

www.s2scientific.com

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

[Signature]



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - State 18-1

Project Number: 0083-15098
Project Manager: Chris Roy

Reported:
08/07/15 13:39

SB01@12'
1508003-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/31/15 10:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 74 | 50 | mg/kg | 1 | 1508005 | 08/03/15 | 08/03/15 | 8015M | |

Date Sampled: 07/31/15 10:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 99.2 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/31/15 10:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1508006 | 08/03/15 | 08/04/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.024 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/31/15 10:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 113 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.9 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - State 18-1

Project Number: 0083-15098
Project Manager: Chris Roy

Reported:
08/07/15 13:39

SB02@15'
1508003-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/31/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1508005 | 08/03/15 | 08/03/15 | 8015M | |

Date Sampled: **07/31/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl | | 98.9 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/31/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1508006 | 08/03/15 | 08/03/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **07/31/15 10:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.9 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.8 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - State 18-1

Project Number: 0083-15098
Project Manager: Chris Roy

Reported:
08/07/15 13:39

SB03@12'
1508003-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/31/15 11:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 56 | 50 | mg/kg | 1 | 1508005 | 08/03/15 | 08/03/15 | 8015M | |

Date Sampled: 07/31/15 11:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 101 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/31/15 11:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1508006 | 08/03/15 | 08/04/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/31/15 11:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.2 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.0 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - State 18-1

Project Number: 0083-15098
Project Manager: Chris Roy

Reported:
08/07/15 13:39

SB04@12'
1508003-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/31/15 12:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | 190 | 50 | mg/kg | 1 | 1508005 | 08/03/15 | 08/03/15 | 8015M | |

Date Sampled: 07/31/15 12:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 100 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/31/15 12:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1508006 | 08/03/15 | 08/04/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/31/15 12:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.0 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.5 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - State 18-1

Project Number: 0083-15098
Project Manager: Chris Roy

Reported:
08/07/15 13:39

SB05@12'
1508003-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/31/15 13:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1508005 | 08/03/15 | 08/03/15 | 8015M | |

Date Sampled: 07/31/15 13:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 100 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/31/15 13:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1508006 | 08/03/15 | 08/04/15 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/31/15 13:30

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.9 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.8 % | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - State 18-1

Project Number: 0083-15098
Project Manager: Chris Roy

Reported:
08/07/15 13:39

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1508005 - EPA 3550A

Blank (1508005-BLK1)

Prepared & Analyzed: 08/03/15

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.3 " 12.2 101 30-150

LCS (1508005-BS1)

Prepared & Analyzed: 08/03/15

C10-C28 (DRO) 490 50 mg/kg 501 97.9 73-134

Surrogate: o-Terphenyl 12.3 " 12.2 101 30-150

Matrix Spike (1508005-MS1)

Source: 1508003-02

Prepared & Analyzed: 08/03/15

C10-C28 (DRO) 512 50 mg/kg 485 ND 106 50-148

Surrogate: o-Terphenyl 13.3 " 11.8 112 30-150

Matrix Spike Dup (1508005-MSD1)

Source: 1508003-02

Prepared & Analyzed: 08/03/15

C10-C28 (DRO) 487 50 mg/kg 494 ND 98.6 50-148 4.99 13

Surrogate: o-Terphenyl 12.3 " 12.0 102 30-150

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - State 18-1
Project Number: 0083-15098
Project Manager: Chris Roy

Reported:
08/07/15 13:39

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1508006 - EPA 5030 Soil MS

Blank (1508006-BLK1)

Prepared & Analyzed: 08/03/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|------|--------|--|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | | | | |
| Benzene | ND | 0.0020 | " | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0400 | | " | 0.0396 | 101 | 23-173 | | | | |
| Surrogate: Toluene-d8 | 0.0397 | | " | 0.0400 | 99.2 | 20-170 | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0400 | | " | 0.0400 | 100 | 21-167 | | | | |

LCS (1508006-BS1)

Prepared & Analyzed: 08/03/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|------|--------|--|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | 66-138 | | | | |
| Benzene | 0.101 | 0.0020 | " | 0.100 | 101 | 58-130 | | | | |
| Toluene | 0.101 | 0.0050 | " | 0.100 | 101 | 61-134 | | | | |
| Ethylbenzene | 0.102 | 0.0050 | " | 0.0992 | 103 | 74-139 | | | | |
| m,p-Xylene | 0.212 | 0.010 | " | 0.200 | 106 | 73-137 | | | | |
| o-Xylene | 0.105 | 0.0050 | " | 0.0984 | 107 | 73-141 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0369 | | " | 0.0396 | 93.3 | 23-173 | | | | |
| Surrogate: Toluene-d8 | 0.0419 | | " | 0.0400 | 105 | 20-170 | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0378 | | " | 0.0400 | 94.4 | 21-167 | | | | |

Matrix Spike (1508006-MS1)

Source: 1508003-02

Prepared & Analyzed: 08/03/15

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|------|--------|--------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | 10-158 | | | | |
| Benzene | 0.111 | 0.0020 | " | 0.0956 | ND | 116 | 30-131 | | | |
| Toluene | 0.110 | 0.0050 | " | 0.0956 | ND | 115 | 30-134 | | | |
| Ethylbenzene | 0.117 | 0.0050 | " | 0.0948 | ND | 123 | 22-153 | | | |
| m,p-Xylene | 0.241 | 0.010 | " | 0.191 | ND | 126 | 10-159 | | | |
| o-Xylene | 0.118 | 0.0050 | " | 0.0941 | ND | 125 | 31-151 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0383 | | " | 0.0379 | 101 | 23-173 | | | | |
| Surrogate: Toluene-d8 | 0.0399 | | " | 0.0382 | 104 | 20-170 | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0369 | | " | 0.0382 | 96.6 | 21-167 | | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - State 18-1

Project Number: 0083-15098
Project Manager: Chris Roy

Reported:
08/07/15 13:39

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch 1508006 - EPA 5030 Soil MS

| Matrix Spike Dup (1508006-MSD1) | | Source: 1508003-02 | | | Prepared & Analyzed: 08/03/15 | | | | | |
|----------------------------------|--------|--------------------|-------|--------|-------------------------------|------|--------|------|----|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | 10-158 | | 42 | |
| Benzene | 0.119 | 0.0020 | " | 0.0984 | ND | 121 | 30-131 | 6.65 | 34 | |
| Toluene | 0.120 | 0.0050 | " | 0.0984 | ND | 122 | 30-134 | 9.08 | 30 | |
| Ethylbenzene | 0.130 | 0.0050 | " | 0.0976 | ND | 133 | 22-153 | 10.9 | 24 | |
| m,p-Xylene | 0.266 | 0.010 | " | 0.196 | ND | 136 | 10-159 | 10.0 | 68 | |
| o-Xylene | 0.132 | 0.0050 | " | 0.0969 | ND | 136 | 31-151 | 11.3 | 38 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0405 | | " | 0.0390 | | 104 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0403 | | " | 0.0394 | | 102 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0381 | | " | 0.0394 | | 96.8 | 21-167 | | | |

Summit Scientific

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - State 18-1

Project Number: 0083-15098
Project Manager: Chris Roy

Reported:
08/07/15 13:39

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A handwritten signature in black ink, appearing to be 'MSM'.

ATTACHMENT 4
GROUNDWATER LABORATORY ANALYTICAL REPORT





August 18, 2015

LT Environmental, Inc.

Charles Greeson

4600 West 60th Avenue

Arvada

CO 80003

Project Name - Noble - State 18-1

Project Number - 008315048

Attached are your analytical results for Noble - State 18-1 received by Origins Laboratory, Inc. August 12, 2015. This project is associated with Origins project number X508145-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|-----------------------|------------------|
| SB02 | X508145-01 | Water | August 12, 2015 11:48 | 08/12/2015 14:12 |
| SB03 | X508145-02 | Water | August 12, 2015 11:36 | 08/12/2015 14:12 |
| SB04 | X508145-03 | Water | August 12, 2015 11:10 | 08/12/2015 14:12 |
| SB05 | X508145-04 | Water | August 12, 2015 12:05 | 08/12/2015 14:12 |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

ORIGINS

LABORATORY, INC

X508145

www.originslaboratory.com

page 1 of 1

Client: IT ENVIRONMENTAL

Project Manager: CHARLES CROSSLAND

Address: _____

Project Name: STATE 18-1

Telephone Number: 303-433-9755

Project Number: 008315048

Email Address: _____

Samples Collected By: GLEN THOMPSON

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Matrix | | | Analysis | | | | Sample Instructions |
|----------------------------|----------------------|--------------|-------------------|------------------------------|-----|------------------|-------|----------------------|------|------------------------|----------|-------------------|--|--|---------------------|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | Soil | Air Summa # Canister # | Other | | | | |
| 5802 | 8/12/15 | | 3 | | | | | | | | | | | | 1 |
| 5802 | | 1148 | 3 | | | | | | | | | | | | 2 |
| 5803 | | 1134 | | | | | | | | | | | | | 3 |
| 5801 | | 1110 | | | | | | | | | | | | | 4 |
| 5805 | | 1205 | | | | | | | | | | | | | 5 |
| | | | | | | | | | | | | | | | 6 |
| | | | | | | | | | | | | | | | 7 |
| | | | | | | | | | | | | | | | 8 |
| | | | | | | | | | | | | | | | 9 |
| | | | | | | | | | | | | | | | 10 |
| Relinquished By: <u>CS</u> | Date: <u>8/12/15</u> | | Time: <u>1412</u> | Received By: _____ | | | | Date: _____ | | | | Time: _____ | | Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/> | |
| Relinquished By: _____ | Date: _____ | | Time: _____ | Received By: <u>JM Smith</u> | | | | Date: <u>8/12/15</u> | | | | Time: <u>1412</u> | | | |

Temp Received: 7.6

Date Results Needed

Origins Laboratory, Inc.

Jeff Pellipini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: XS08145

Client: LTE

Client Project ID: State 18-1

Checklist Completed by: Jeff Smith

Shipped Via: HTD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 8/12/15

Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid X Water Other:

Cooler Number/Temperature: 1 17.6 °C 1 °C 1 °C (Describe)

Thermometer ID: T003

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-----|----|-----|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | | X | | Sampled Some Day |
| Is there ice present (document if blue ice is used) | X | | | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | | X | | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | | X | | |
| Were all samples received intact ⁽¹⁾ ? | X | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | X | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | X | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | X | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | X | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | X | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | X | | | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | | X | | |
| Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH) | | X | | |
| Additional Comments (if any): | | | | |

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by [Signature] (Project Manager)

Date/Time Reviewed 8/13/15

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

SB02

8/12/2015 11:48:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.
X508145-01 (Water)

BTEX by EPA 8260C

| | | | | | | | |
|----------------|----|-----|------|---|---------|------------|------------|
| Benzene | ND | 1.0 | ug/L | 1 | 5H13010 | 08/13/2015 | 08/13/2015 |
| Toluene | ND | 1.0 | " | " | " | " | " |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " |
| Xylenes, total | ND | 1.0 | " | " | " | " | " |

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 84-121 | | | " | " | " |
| Surrogate: Toluene-d8 | 97.1 % | 85-115 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 98.7 % | 84-114 | | | " | " | " |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

SB03

8/12/2015 11:36:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.
X508145-02 (Water)

BTEX by EPA 8260C

| | | | | | | | |
|----------------|----|-----|------|---|---------|------------|------------|
| Benzene | ND | 4.0 | ug/L | 4 | 5H13010 | 08/13/2015 | 08/13/2015 |
| Toluene | ND | 4.0 | " | " | " | " | " |
| Ethylbenzene | ND | 4.0 | " | " | " | " | " |
| Xylenes, total | ND | 4.0 | " | " | " | " | " |

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 111 % | 84-121 | | | " | " | " |
| Surrogate: Toluene-d8 | 97.6 % | 85-115 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 98.4 % | 84-114 | | | " | " | " |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

SB04

8/12/2015 11:10:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.
X508145-03 (Water)

BTEX by EPA 8260C

| | | | | | | | |
|----------------|----|-----|------|---|---------|------------|------------|
| Benzene | ND | 4.0 | ug/L | 4 | 5H13010 | 08/13/2015 | 08/13/2015 |
| Toluene | ND | 4.0 | " | " | " | " | " |
| Ethylbenzene | ND | 4.0 | " | " | " | " | " |
| Xylenes, total | ND | 4.0 | " | " | " | " | " |

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 84-121 | | | " | " | " |
| Surrogate: Toluene-d8 | 101 % | 85-115 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 94.7 % | 84-114 | | | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

SB05

8/12/2015 12:05:00PM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.
X508145-04 (Water)

BTEX by EPA 8260C

| | | | | | | | |
|----------------|----|-----|------|---|---------|------------|------------|
| Benzene | ND | 4.0 | ug/L | 4 | 5H13010 | 08/13/2015 | 08/13/2015 |
| Toluene | ND | 4.0 | " | " | " | " | " |
| Ethylbenzene | ND | 4.0 | " | " | " | " | " |
| Xylenes, total | ND | 4.0 | " | " | " | " | " |

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 111 % | 84-121 | | | " | " | " |
| Surrogate: Toluene-d8 | 99.8 % | 85-115 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 98.1 % | 84-114 | | | " | " | " |

Origins Laboratory, Inc.



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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 5H13010 - EPA 5030B (Water)

Blank (5H13010-BLK1)

Prepared: 08/13/2015 Analyzed: 08/13/2015

| | | | | | | | | | | |
|----------------------------------|----|-----|------|------|------|--|--------|--|--|--|
| Benzene | ND | 1.0 | ug/L | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes, total | ND | 1.0 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 65 | | " | 62.5 | 103 | | 84-121 | | | |
| Surrogate: Toluene-d8 | 64 | | " | 62.5 | 102 | | 85-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 60 | | " | 62.5 | 95.4 | | 84-114 | | | |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 5H13010 - EPA 5030B (Water)

Blank (5H13010-BLK2)

Prepared: 08/13/2015 Analyzed: 08/13/2015

| | | | | | | | | | | |
|----------------------------------|----|-----|------|------|------|--|--------|--|--|--|
| Benzene | ND | 1.0 | ug/L | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes, total | ND | 1.0 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 72 | | " | 62.5 | 115 | | 84-121 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | 97.7 | | 85-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 60 | | " | 62.5 | 95.9 | | 84-114 | | | |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 5H13010 - EPA 5030B (Water)

LCS (5H13010-BS1)

Prepared: 08/13/2015 Analyzed: 08/13/2015

| | | | | | | |
|----------------------------------|------|-----|------|------|------|----------|
| Benzene | 52.3 | 1.0 | ug/L | 50.0 | 105 | 75-126 |
| Toluene | 54.0 | 1.0 | " | 50.0 | 108 | 78.7-126 |
| Ethylbenzene | 53.1 | 1.0 | " | 50.0 | 106 | 80-130 |
| m,p-Xylene | 105 | 2.0 | " | 100 | 105 | 77.2-133 |
| o-Xylene | 51.2 | 1.0 | " | 50.0 | 102 | 77.9-126 |
| Surrogate: 1,2-Dichloroethane-d4 | 61 | | " | 62.5 | 97.0 | 84-121 |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | 101 | 85-115 |
| Surrogate: 4-Bromofluorobenzene | 61 | | " | 62.5 | 98.3 | 84-114 |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 5H13010 - EPA 5030B (Water)

LCS (5H13010-BS2)

Prepared: 08/13/2015 Analyzed: 08/13/2015

| | | | | | | |
|----------------------------------|------|-----|------|------|------|----------|
| Benzene | 57.6 | 1.0 | ug/L | 50.0 | 115 | 75-126 |
| Toluene | 55.2 | 1.0 | " | 50.0 | 110 | 78.7-126 |
| Ethylbenzene | 58.2 | 1.0 | " | 50.0 | 116 | 80-130 |
| m,p-Xylene | 116 | 2.0 | " | 100 | 116 | 77.2-133 |
| o-Xylene | 58.4 | 1.0 | " | 50.0 | 117 | 77.9-126 |
| Surrogate: 1,2-Dichloroethane-d4 | 66 | | " | 62.5 | 106 | 84-121 |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | 97.0 | 85-115 |
| Surrogate: 4-Bromofluorobenzene | 60 | | " | 62.5 | 95.9 | 84-114 |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 5H13010 - EPA 5030B (Water)

| Matrix Spike (5H13010-MS1) | | Source: X508140-01 | | | Prepared: 08/13/2015 Analyzed: 08/13/2015 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| Benzene | 56.6 | 1.0 | ug/L | 50.0 | ND | 113 | 74-130 | | | |
| Toluene | 55.4 | 1.0 | " | 50.0 | ND | 111 | 73-131 | | | |
| Ethylbenzene | 58.2 | 1.0 | " | 50.0 | ND | 116 | 76-132 | | | |
| m,p-Xylene | 116 | 2.0 | " | 100 | ND | 116 | 69-139 | | | |
| o-Xylene | 57.8 | 1.0 | " | 50.0 | ND | 116 | 74-131 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 67 | | " | 62.5 | | 107 | 84-121 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 97.1 | 85-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 62 | | " | 62.5 | | 99.8 | 84-114 | | | |

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Charles Greeson
Project Number: 008315048
Project: Noble - State 18-1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 5H13010 - EPA 5030B (Water)

| Matrix Spike (5H13010-MS2) | | Source: X508140-02 | | | Prepared: 08/13/2015 Analyzed: 08/13/2015 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| Benzene | 54.5 | 1.0 | ug/L | 50.0 | ND | 109 | 74-130 | | | |
| Toluene | 52.0 | 1.0 | " | 50.0 | ND | 104 | 73-131 | | | |
| Ethylbenzene | 55.7 | 1.0 | " | 50.0 | ND | 111 | 76-132 | | | |
| m,p-Xylene | 111 | 2.0 | " | 100 | ND | 111 | 69-139 | | | |
| o-Xylene | 56.0 | 1.0 | " | 50.0 | ND | 112 | 74-131 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 66 | | " | 62.5 | | 106 | 84-121 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 97.0 | 85-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 62 | | " | 62.5 | | 98.9 | 84-114 | | | |

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Project Number: 008315048
Project: Noble - State 18-1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 5H13010 - EPA 5030B (Water)

| Matrix Spike Dup (5H13010-MSD1) | | Source: X508140-01 | | | Prepared: 08/13/2015 Analyzed: 08/13/2015 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|------|----|--|
| Benzene | 51.5 | 1.0 | ug/L | 50.0 | ND | 103 | 74-130 | 9.43 | 20 | |
| Toluene | 51.2 | 1.0 | " | 50.0 | ND | 102 | 73-131 | 7.88 | 20 | |
| Ethylbenzene | 53.7 | 1.0 | " | 50.0 | ND | 107 | 76-132 | 8.06 | 20 | |
| m,p-Xylene | 107 | 2.0 | " | 100 | ND | 107 | 69-139 | 7.69 | 20 | |
| o-Xylene | 54.2 | 1.0 | " | 50.0 | ND | 108 | 74-131 | 6.50 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 65 | | " | 62.5 | | 104 | 84-121 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 97.8 | 85-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 60 | | " | 62.5 | | 96.7 | 84-114 | | | |

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Project Number: 008315048
Project: Noble - State 18-1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 5H13010 - EPA 5030B (Water)

| Matrix Spike Dup (5H13010-MSD2) | | Source: X508140-02 | | | Prepared: 08/13/2015 Analyzed: 08/13/2015 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--------|----|--|
| Benzene | 54.5 | 1.0 | ug/L | 50.0 | ND | 109 | 74-130 | 0.0734 | 20 | |
| Toluene | 54.6 | 1.0 | " | 50.0 | ND | 109 | 73-131 | 4.75 | 20 | |
| Ethylbenzene | 57.4 | 1.0 | " | 50.0 | ND | 115 | 76-132 | 3.06 | 20 | |
| m,p-Xylene | 116 | 2.0 | " | 100 | ND | 116 | 69-139 | 4.00 | 20 | |
| o-Xylene | 58.6 | 1.0 | " | 50.0 | ND | 117 | 74-131 | 4.63 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 66 | | " | 62.5 | | 105 | 84-121 | | | |
| Surrogate: Toluene-d8 | 62 | | " | 62.5 | | 99.6 | 85-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 62 | | " | 62.5 | | 99.2 | 84-114 | | | |

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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Jen Pellegrini For Noelle Doyle Mathis, President