

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

July 29, 2019

Jeremy Pike

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: Vic 1

Work Order # 1907314

Enclosed are the results of analyses for samples received by Summit Scientific on 07/25/19 18:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Paul Shrewsbury', written in a cursive style.

Paul Shrewsbury For Ben Shrewsbury

Laboratory Manager



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

Project: Vic 1

Project Number: 027318139
Project Manager: Jeremy Pike

Reported:
07/29/19 06:29

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SS02@16' | 1907314-01 | Soil | 07/25/19 14:00 | 07/25/19 18:05 |
| SS01@22' | 1907314-02 | Soil | 07/25/19 15:40 | 07/25/19 18:05 |

Summit Scientific

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Summit Scientific
S₂

Sample Receipt Checklist

S2 Work Order 1907314

Client: LTE Client Project ID: Vic1

Shipped Via: (H.D.)/P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____

Matrix (check all that apply): _____ Air ☒ Soil/Solid _____ Water _____ Other: _____
(Describe)

| | |
|-----------|--------------|
| Temp (°C) | <u>10.7°</u> |
|-----------|--------------|

Thermometer ID: 61857155-K

| | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|----|-------------------------------------|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun. | <input checked="" type="checkbox"/> | | | on ice |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| If custody seals are present, are they intact ⁽¹⁾ ? | | | <input checked="" type="checkbox"/> | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | <input checked="" type="checkbox"/> | | | 24 hr |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | | | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect | | | <input checked="" type="checkbox"/> | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments. | | | <input checked="" type="checkbox"/> | |
| If dissolved metals are requested, were samples field filtered? | | | <input checked="" type="checkbox"/> | |

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

AT
Custodian Printed Name or Initials

[Signature]
Signature of Custodian

7-25-19 18:05
Date/Time



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

Project: Vic 1
Project Number: 027318139
Project Manager: Jeremy Pike

Reported:
07/29/19 06:29

SS02@16'
1907314-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/19 14:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|---------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Benzene | 0.0052 | 0.0020 | mg/kg | 1 | 1907369 | 07/25/19 | 07/25/19 | EPA 8260B | |
| Toluene | 0.020 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.0061 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.065 | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **07/25/19 14:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 73.0 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 92.6 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 87.8 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/19 14:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1907357 | 07/25/19 | 07/25/19 | EPA 8015M | |

Date Sampled: **07/25/19 14:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: o-Terphenyl | | 114 % | 30-150 | | " | " | " | " | |

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4600 West 60th Avenue
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Project: Vic 1
Project Number: 027318139
Project Manager: Jeremy Pike

Reported:
07/29/19 06:29

SS01@22'
1907314-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/19 15:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | 0.0032 | 0.0020 | mg/kg | 1 | 1907369 | 07/25/19 | 07/25/19 | EPA 8260B | |
| Toluene | 0.013 | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.011 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.23 | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 6.1 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **07/25/19 15:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 57.2 % | 23-173 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 93.3 % | 20-170 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 104 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/19 15:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-----------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1907357 | 07/25/19 | 07/25/19 | EPA 8015M | |

Date Sampled: **07/25/19 15:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| <i>Surrogate: o-Terphenyl</i> | | 116 % | 30-150 | | " | " | " | " | |

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Project: Vic 1

Project Number: 027318139
Project Manager: Jeremy Pike

Reported:
07/29/19 06:29

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 1907369 - EPA 5030 Soil MS

Blank (1907369-BLK1)

Prepared & Analyzed: 07/25/19

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0224 | | " | 0.0400 | | 55.9 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0362 | | " | 0.0400 | | 90.5 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0334 | | " | 0.0400 | | 83.5 | 21-167 | | | |

LCS (1907369-BS1)

Prepared & Analyzed: 07/25/19

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0877 | 0.0020 | mg/kg | 0.100 | | 87.7 | 70-130 | | | |
| Toluene | 0.0938 | 0.0050 | " | 0.100 | | 93.8 | 70-130 | | | |
| Ethylbenzene | 0.0926 | 0.0050 | " | 0.100 | | 92.6 | 70-130 | | | |
| m,p-Xylene | 0.211 | 0.010 | " | 0.200 | | 105 | 70-130 | | | |
| o-Xylene | 0.0926 | 0.0050 | " | 0.100 | | 92.6 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0398 | | " | 0.0400 | | 99.4 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0388 | | " | 0.0400 | | 97.0 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0423 | | " | 0.0400 | | 106 | 21-167 | | | |

Matrix Spike (1907369-MS1)

Source: 1907314-01

Prepared: 07/25/19 Analyzed: 07/26/19

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|---------|------|--------|--|--|-------|
| Benzene | 0.0900 | 0.0020 | mg/kg | 0.100 | 0.00519 | 84.8 | 70-130 | | | |
| Toluene | 0.131 | 0.0050 | " | 0.100 | 0.0196 | 111 | 70-130 | | | |
| Ethylbenzene | 0.113 | 0.0050 | " | 0.100 | 0.00612 | 107 | 70-130 | | | |
| m,p-Xylene | 0.340 | 0.010 | " | 0.200 | 0.0438 | 148 | 70-130 | | | QM-07 |
| o-Xylene | 0.160 | 0.0050 | " | 0.100 | 0.0215 | 138 | 70-130 | | | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0319 | | " | 0.0400 | | 79.8 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0373 | | " | 0.0400 | | 93.3 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0358 | | " | 0.0400 | | 89.6 | 21-167 | | | |

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Project: Vic 1

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Reported:
07/29/19 06:29

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 1907369 - EPA 5030 Soil MS

Matrix Spike Dup (1907369-MSD1)

Source: 1907314-01

Prepared: 07/25/19 Analyzed: 07/26/19

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|---------|------|--------|------|----|--|
| Benzene | 0.0889 | 0.0020 | mg/kg | 0.100 | 0.00519 | 83.7 | 70-130 | 1.31 | 30 | |
| Toluene | 0.118 | 0.0050 | " | 0.100 | 0.0196 | 98.0 | 70-130 | 10.6 | 30 | |
| Ethylbenzene | 0.121 | 0.0050 | " | 0.100 | 0.00612 | 115 | 70-130 | 6.10 | 30 | |
| m,p-Xylene | 0.295 | 0.010 | " | 0.200 | 0.0438 | 126 | 70-130 | 13.9 | 30 | |
| o-Xylene | 0.137 | 0.0050 | " | 0.100 | 0.0215 | 116 | 70-130 | 15.2 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0281 | | " | 0.0400 | | 70.2 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0377 | | " | 0.0400 | | 94.4 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0354 | | " | 0.0400 | | 88.6 | 21-167 | | | |

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Project: Vic 1

Project Number: 027318139
Project Manager: Jeremy Pike

Reported:
07/29/19 06:29

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1907357 - EPA 3550A

Blank (1907357-BLK1)

Prepared & Analyzed: 07/25/19

C10-C28 (DRO) ND 50 mg/kg

LCS (1907357-BS1)

Prepared & Analyzed: 07/25/19

C10-C28 (DRO) 522 50 mg/kg 500 104 70-130

Matrix Spike (1907357-MS1)

Source: 1907216-01

Prepared & Analyzed: 07/25/19

C10-C28 (DRO) 534 50 mg/kg 500 44.1 97.9 70-130

Matrix Spike Dup (1907357-MSD1)

Source: 1907216-01

Prepared & Analyzed: 07/25/19

C10-C28 (DRO) 500 50 mg/kg 500 44.1 91.2 70-130 6.54 20

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Project: Vic 1

Project Number: 027318139
Project Manager: Jeremy Pike

Reported:
07/29/19 06:29

Notes and Definitions

| | |
|-------|---|
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery. |
| 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 |