

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 12, 2010

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Heldt 12-18

Enclosed are the results of analyses for samples received by Summit Scientific on 02/11/10 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to be 'PS', with a long horizontal flourish extending to the right.

Paul Shrewsbury For Ben Shrewsbury  
President / Laboratory Director



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

Project: PDC - Heldt 12-18

Project Number: PDC 10005  
Project Manager: Brian Dodek

**Reported:**  
02/12/10 13:26

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| Source1   | R002045-01    | Water  | 02/11/10 11:15 | 02/11/10 17:00 |
| SW01      | R002045-02    | Water  | 02/11/10 11:05 | 02/11/10 17:00 |
| SW02      | R002045-03    | Water  | 02/11/10 10:55 | 02/11/10 17:00 |
| SW03      | R002045-04    | Water  | 02/11/10 10:45 | 02/11/10 17:00 |

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**Reported:**  
02/12/10 13:26

Summit Scientific 202045

741 Corporate Circle Suite I ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-277-9531 Fax

Client: **LTE**

Page / of /

Address: 44-070 1160th

Project Manager:

City/State/Zip: Arvada, CO 80003

E-Mail: [h-leinf@A-1TEAM.com](mailto:h-leinf@A-1TEAM.com)

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Project Name: Holt 17-18

Sampler Name: Devin Githin

Project Number: PN 10005

[illegible]

[www.s2scientific.com](http://www.s2scientific.com)

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**Reported:**  
02/12/10 13:26

**Source1**  
**R002045-01 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: 02/11/10 11:15

| Analyte                | Result      | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|-------------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>         | <b>430</b>  | 10                 | ug/l  | 10       | 0021105 | 02/11/10 | 02/11/10 | EPA 8260B |       |
| <b>Toluene</b>         | <b>1800</b> | 10                 | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>    | <b>140</b>  | 1.0                | "     | 1        | "       | "        | 02/11/10 | "         |       |
| <b>Xylenes (total)</b> | <b>2100</b> | 10                 | "     | 10       | "       | "        | 02/11/10 | "         |       |

Date Sampled: 02/11/10 11:15

| Analyte                                 | Result | Reporting<br>Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|--------------------|----------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> |        | 111 %              | 71.2-129 |          | "     | "        | 02/11/10 | "      |       |
| <i>Surrogate: Toluene-d8</i>            |        | 92.3 %             | 87.7-110 |          | "     | "        | "        | "      |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  |        | 94.2 %             | 83.5-115 |          | "     | "        | "        | "      |       |

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**Reported:**  
02/12/10 13:26

**SW01**  
**R002045-02 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/11/10 11:05**

| Analyte         | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                 |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene         | ND     | 1.0       |  | ug/l  | 1        | 0021105 | 02/11/10 | 02/12/10 | EPA 8260B |       |
| Toluene         | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/11/10 11:05**

| Analyte                          | Result | Reporting |  | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|----------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |          |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 102 %     |  | 71.2-129 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 96.1 %    |  | 87.7-110 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 98.8 %    |  | 83.5-115 |          | "     | "        | "        | "      |       |

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**Reported:**  
02/12/10 13:26

**SW02**  
**R002045-03 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/11/10 10:55**

| Analyte         | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                 |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene         | ND     | 1.0       |  | ug/l  | 1        | 0021105 | 02/11/10 | 02/12/10 | EPA 8260B |       |
| Toluene         | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/11/10 10:55**

| Analyte                          | Result | Reporting |  | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|----------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |          |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 98.4 %    |  | 71.2-129 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 96.3 %    |  | 87.7-110 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 103 %     |  | 83.5-115 |          | "     | "        | "        | "      |       |

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**Reported:**  
02/12/10 13:26

**SW03**  
**R002045-04 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/11/10 10:45**

| Analyte         | Result | Reporting |  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
|                 |        | Limit     |  |       |          |         |          |          |           |       |
| Benzene         | ND     | 1.0       |  | ug/l  | 1        | 0021105 | 02/11/10 | 02/12/10 | EPA 8260B |       |
| Toluene         | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0       |  | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/11/10 10:45**

| Analyte                          | Result | Reporting |  | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|----------|----------|-------|----------|----------|--------|-------|
|                                  |        | Limit     |  |          |          |       |          |          |        |       |
| Surrogate: 1,2-Dichloroethane-d4 |        | 105 %     |  | 71.2-129 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 97.4 %    |  | 87.7-110 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 103 %     |  | 83.5-115 |          | "     | "        | "        | "      |       |

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02/12/10 13:26

## 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 0021105 - EPA 5030 Water MS

##### Blank (0021105-BLK1)

Prepared: 02/11/10 Analyzed: 02/12/10

|                                  |      |     |      |      |      |          |  |  |  |  |
|----------------------------------|------|-----|------|------|------|----------|--|--|--|--|
| Benzene                          | ND   | 1.0 | ug/l |      |      |          |  |  |  |  |
| Toluene                          | ND   | 1.0 | "    |      |      |          |  |  |  |  |
| Ethylbenzene                     | ND   | 1.0 | "    |      |      |          |  |  |  |  |
| Xylenes (total)                  | ND   | 1.0 | "    |      |      |          |  |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 14.0 |     | "    | 13.3 | 105  | 71.2-129 |  |  |  |  |
| Surrogate: Toluene-d8            | 13.2 |     | "    | 13.3 | 98.9 | 87.7-110 |  |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 13.2 |     | "    | 13.3 | 99.3 | 83.5-115 |  |  |  |  |

##### LCS (0021105-BS1)

Prepared: 02/11/10 Analyzed: 02/12/10

|                                  |      |     |      |      |      |          |  |  |      |  |
|----------------------------------|------|-----|------|------|------|----------|--|--|------|--|
| Benzene                          | 31.0 | 1.0 | ug/l | 33.3 | 93.1 | 70-114   |  |  | 8.14 |  |
| Toluene                          | 29.4 | 1.0 | "    | 33.3 | 88.2 | 72.7-116 |  |  | 7.88 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 14.4 |     | "    | 13.3 | 108  | 71.2-129 |  |  |      |  |
| Surrogate: Toluene-d8            | 13.4 |     | "    | 13.3 | 100  | 87.7-110 |  |  |      |  |
| Surrogate: 4-Bromofluorobenzene  | 12.6 |     | "    | 13.3 | 94.1 | 83.5-115 |  |  |      |  |

##### LCS Dup (0021105-BSD1)

Prepared: 02/11/10 Analyzed: 02/12/10

|                                  |      |     |      |      |      |          |      |  |      |  |
|----------------------------------|------|-----|------|------|------|----------|------|--|------|--|
| Benzene                          | 31.4 | 1.0 | ug/l | 33.3 | 94.2 | 70-114   | 1.19 |  | 8.14 |  |
| Toluene                          | 30.1 | 1.0 | "    | 33.3 | 90.4 | 72.7-116 | 2.49 |  | 7.88 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 13.9 |     | "    | 13.3 | 104  | 71.2-129 |      |  |      |  |
| Surrogate: Toluene-d8            | 13.3 |     | "    | 13.3 | 99.6 | 87.7-110 |      |  |      |  |
| Surrogate: 4-Bromofluorobenzene  | 12.4 |     | "    | 13.3 | 92.9 | 83.5-115 |      |  |      |  |

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02/12/10 13:26

### 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

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A handwritten signature in black ink, appearing to be 'JD' or similar, with a long horizontal stroke extending to the right.

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