



01761279

#6011

FORM  
27  
Rev 6/99State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax 894-2109

RECEIVED  
AUG 12 2011  
COGCC

## SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

OGCC Employee:

 Spill  Complaint  
 Inspection  NOAV

Tracking No: 1761279

## CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

 Spill or Release  Plug & Abandon  Central Facility Closure  Site/Facility Closure  Other (describe): \_\_\_\_\_

## GENERAL INFORMATION

OGCC Operator Number: 69175		Contact Name and Telephone	
Name of Operator: Petroleum Development Corporation		Name: Brandon Bruns	
Address: 1775 Sherman Street, Suite 3000		No: (303) 860-5800	
City: Denver State: CO Zip: 80203		Fax: (303) 860-5838	
API/Facility No: 05-123-28169		County: Weld	
Facility Name: Leffler 13, 14, 23, 24-35, 35B		Facility Number: _____	
Well Name: Leffler		Well Number: 35B	
Location (QtrQtr, Sec, Twp, Rng, Meridian): C/SW Sec 35 T7N R66W 6th PM		Latitude: _____ Longitude: _____	

## TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc.):	Condensate		
Site Conditions: Is location within a sensitive area (according to Rule 901e)?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	If yes, attach evaluation. Groundwater <20 feet below ground surface.	
Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.):	Agriculture		
Soil type, if not previously identified on Form 2A or Federal Surface Use Plan:	Kim loam, 1 to 3 percent slopes		
Potential receptors (water wells within 1/4 mi, surface waters, etc.):	Surface water is located 1,565' northeast of the site; a building is located 990' south of the site; a water well is located 2,190' southeast of the site; and depth to groundwater is 10' below ground surface (bgs).		
Description of Impact (if previously provided, refer to that form or document):			
Impacted Media (check):	Extent of Impact:	How Determined:	
<input checked="" type="checkbox"/> Soils	15' N-S x 40' E-W x 11' bgs	Laboratory analysis and field screening of soil samples	
<input type="checkbox"/> Vegetation	_____	_____	
<input checked="" type="checkbox"/> Groundwater	See attached data	Laboratory analysis of groundwater samples	
<input type="checkbox"/> Surface water	_____	_____	

## REMEDIATION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document): A Form 19 was submitted on March 25, 2011 (Spill #2213127).
Describe how source is to be removed: During a routine site inspection, PDC personnel discovered oil at the surface within the berm containing the production tanks and produced water vaults. It was later found that a welded area on the bottom of the tank had failed. Once the onsite equipment was removed, approximately 440 cubic yards of impacted soil above COGCC Table 910-1 Concentration Levels were excavated and transported offsite for disposal. Soil samples were collected from the extent of the excavation and were submitted for laboratory analysis of BTEX, TPH-GRO, and naphthalene by EPA Method 8260B and TPH-DRO by EPA Modified Method 8015. All remaining soils left in place are in compliance with Table 910-1 Concentration Levels. Impacted water, approximately 180 barrels, was recovered from the excavation by a vacuum truck and transported to a licensed disposal facility. A groundwater sample was collected from the excavation and submitted for laboratory analysis of BTEX by EPA Method 8260B. Activated carbon was applied as a beneficial amendment to the impacted groundwater and was mixed in with the exposed smear zone soils in the excavation before it was backfilled. A topographic map and a site map are provided as Figures 1 and 2. Soil and groundwater analytical results are summarized in Tables 1 and 2. The laboratory analytical reports are included as an attachment.
Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.: A total of 440 cubic yards of soil exceeding COGCC Table 910-1 Concentration Levels was transported to the Waste Management landfill in Ault, CO for disposal. A total of 180 barrels of impacted groundwater exceeding CDPHE WQCC Regulation 41 Standards was recovered and disposed of at a licensed facility.

Submit Page 2 with Page 1.



Tracking Number: 1761279  
Name of Operator: Petroleum Development Corporation  
OGCC Operator No: 69175  
Received Date: 8/12/11  
Well Name & No: Leffler 35B  
Facility Name & No.: Leffler 13, 14, 23, 24-35, 35B

REMEDIATION WORKPLAN (CONT.)

OGCC Employee: Axelson

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):  
Monitoring wells MW01, MW02, and MW03 were installed at the site on April 11, 2011 (Figure 2). Following installation, each well was developed, purged, and sampled. Groundwater samples were collected from the wells and submitted for laboratory analysis of BTEX by EPA Method 8260B. Laboratory results indicated the BTEX concentrations in groundwater for all samples were below laboratory reporting limits and in compliance with the CDPHE Regulation 41 (Reg. 41) standards (Table 2). PDC will continue to monitor groundwater concentrations at the site until four consecutive quarters of groundwater analytical results in compliance with Reg. 41 standards are achieved.

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.  
The site was restored to pre-release grade. PDC's production facility remains at the site.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.  
Is further site investigation required?  Y  N If yes, describe:  
Laboratory analytical results indicate BTEX levels in groundwater for all monitoring wells are below laboratory reporting limits and in compliance with the Reg. 41 standards. PDC will continue to monitor groundwater concentrations at the site until four quarters of groundwater analytical results are in compliance with Reg. 41 Standards.

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):  
A total of 440 cubic yards of soil exceeding COGCC Table 910-1 Concentration Levels was transported to the Waste Management landfill in Ault, CO for disposal. A total of 180 barrels of impacted groundwater exceeding CDPHE WQCC Regulation 41 Standards was recovered and disposed of at a licensed facility.

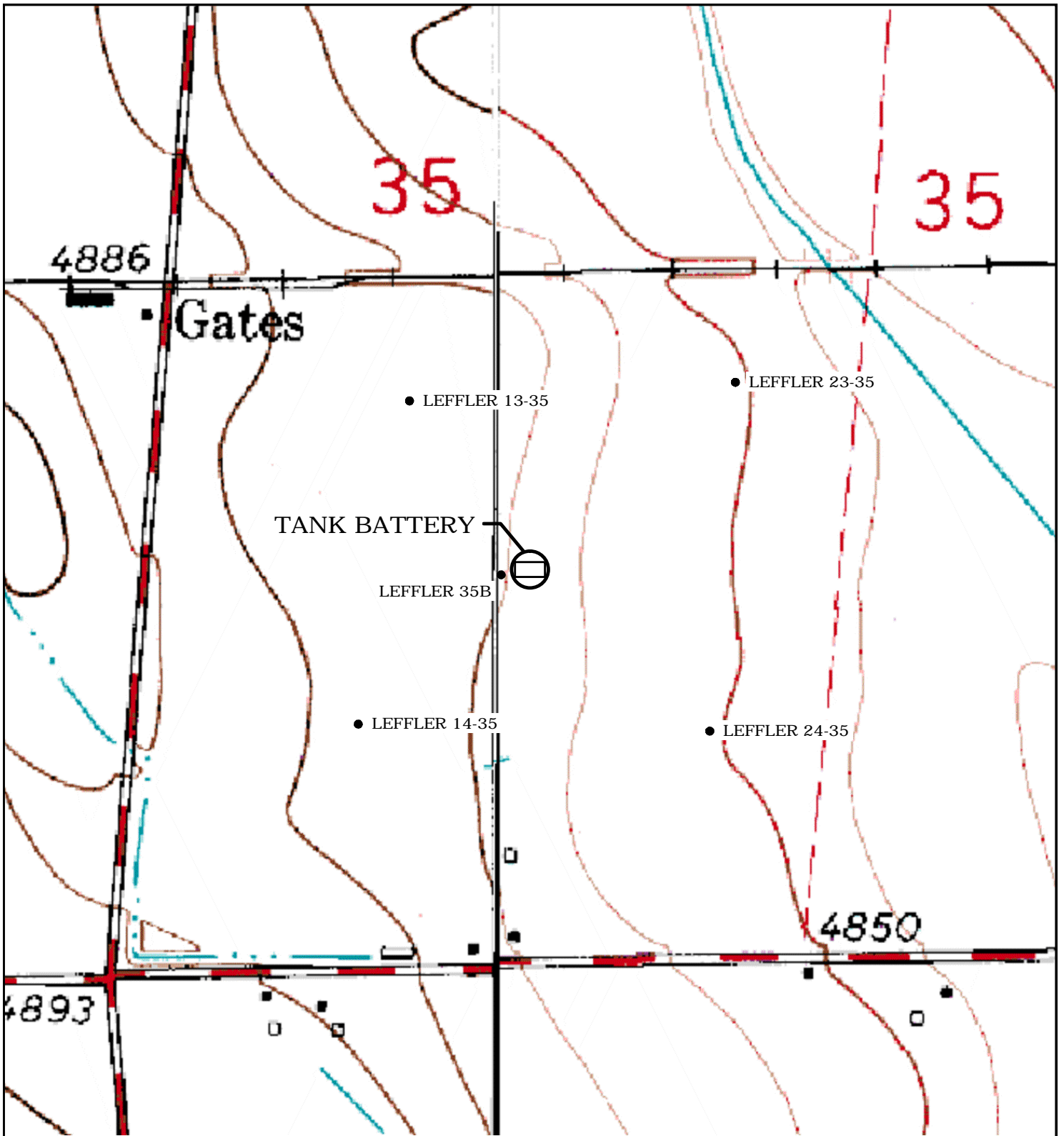
IMPLEMENTATION SCHEDULE

Date Site Investigation Began:	<u>2/24/2011</u>	Date Site Investigation Completed:	<u>4/12/2011</u>	Remediation Plan Submitted:	<u>8/12/2011</u>
Remediation Start Date:	<u>2/27/2011</u>	Anticipated Completion Date:	<u>NA</u>	Actual Completion Date:	<u>TBD</u>



I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.  
Print Name: Brandon Bruns

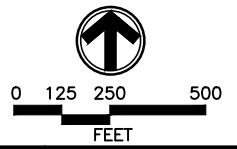
Signed:  Title: Environmental Field Coordinator Date: 8/12/2011

OGCC Approved:  Title: EPS Date: 8/16/11



LEGEND

-  TANK BATTERY
-  WELL LOCATION

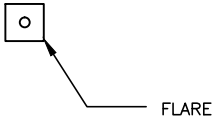
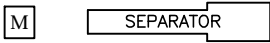
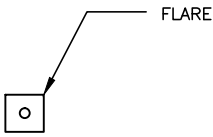


SOURCE: TOPOZONE.COM  
USGS 7.5' QUADRANGLE  
(NAD27)

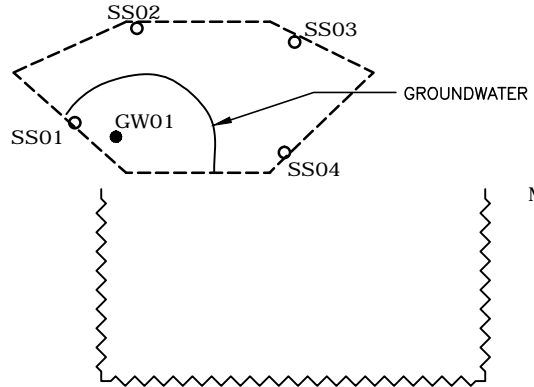
FIGURE 1  
SITE LOCATION MAP  
LEFFLER 13, 14, 23, 24-35, 35B  
C/SW 35-T7N-R66W  
WELD COUNTY, CO  
PETROLEUM DEVELOPMENT CORPORATION



AGRICULTURE



MW01



MW02

MW03

LEASE ROAD

AGRICULTURE

### LEGEND

⊗ MONITORING WELL

○ SOIL SAMPLE

● GROUNDWATER SAMPLE

M METER HOUSE

~~~~~ CORRUGATED STEEL BERM

X RELEASE LOCATION

----- EXTENT OF EXCAVATION

➔ ESTIMATED GROUNDWATER FLOW DIRECTION



0 5 10 20  
FEET  
APPROXIMATE SCALE

FIGURE 2  
SITE MAP  
LEFFLER 13, 14, 23, 24-35, 35B  
C/SW 35-T7N-R66W  
WELD COUNTY, CO  
PETROLEUM DEVELOPMENT CORPORATION



0188-1102601

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**LEFFLER 13, 14, 23, 24-35, 35B (API No. 05-123-28169)**  
**WELD COUNTY, COLORADO**  
**PETROLEUM DEVELOPMENT CORPORATION**

| Sample ID                       | Depth (ft bgs) | Date Sampled | Benzene (mg/kg) | Toluene (mg/kg) | Ethyl-benzene (mg/kg) | Xylenes (mg/kg) | Naphthalene (mg/kg) | TPH (mg/kg) |
|---------------------------------|----------------|--------------|-----------------|-----------------|-----------------------|-----------------|---------------------|-------------|
| SS01                            | 9              | 02/24/2011   | <0.0050         | <0.0050         | <0.0050               | <0.015          | <0.0050             | <50.5       |
| SS02                            | 9              | 02/24/2011   | <0.0050         | <0.0050         | <0.0050               | <0.015          | <0.0050             | <50.5       |
| SS03                            | 9              | 02/24/2011   | <0.0050         | <0.0050         | <0.0050               | <0.015          | <0.0050             | <50.5       |
| SS04                            | 9              | 02/24/2011   | <0.0050         | <0.0050         | <0.0050               | <0.015          | <0.0050             | <50.5       |
| <b>Basic Standards for Soil</b> |                |              | <b>0.17</b>     | <b>85</b>       | <b>100</b>            | <b>175</b>      | <b>23</b>           | <b>500</b>  |

**Notes:**

< - less than stated laboratory reporting limit

NA - Not Analyzed

mg/kg - milligrams per kilogram

ft bgs - feet below ground surface

TPH - Total Petroleum Hydrocarbons (C6-C28)

API - American Petroleum Institute

**Bold** numbers indicate result equalled or exceeded standard.

Basic Standards for Soil are taken from 2 CCR 404-1, Table 910-1, effective April 1, 2009.



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS AND FIELD PARAMETERS**  
**LEFFLER 13, 14, 23, 24-35, 35B (API No. 05-123-28169)**  
**WELD COUNTY, COLORADO**  
**PETROLEUM DEVELOPMENT CORPORATION**

| Sample ID                               | Date Sampled | Benzene (ug/L) | Toluene (ug/L) | Ethyl-benzene (ug/L) | Xylenes (ug/L) | Depth to Water (ft btoc) |
|-----------------------------------------|--------------|----------------|----------------|----------------------|----------------|--------------------------|
| GW01                                    | 02/24/2011   | <b>130</b>     | 280            | 33                   | 250            | NM                       |
| MW01                                    | 04/12/2011   | <1.0           | <1.0           | <1.0                 | <1.0           | 10.13                    |
| MW02                                    | 04/12/2011   | <1.0           | <1.0           | <1.0                 | <1.0           | 11.01                    |
| MW03                                    | 04/12/2011   | <1.0           | <1.0           | <1.0                 | <1.0           | 10.94                    |
| <b>Basic Standards for Groundwater:</b> |              | <b>5</b>       | <b>560</b>     | <b>700</b>           | <b>1400</b>    |                          |

**Notes:**

< - less than

ug/L - micrograms per Liter

NA - Not Analyzed/Not Available

NM - Not measured

API - American Petroleum Institute

ft btoc - feet below top of casing

Basic Standards for Groundwater are taken from the Colorado Department of Health and Environment -

Water Quality Control Commission Regulation 41, effective 4/1/2009.

**Bold** numbers indicate result equaled or exceeded standard.



# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 27, 2011

Brian Dodek

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: PDC - Leffler 13, 14, 23, 24-35, 35B

Enclosed are the results of analyses for samples received by Summit Scientific on 02/24/11 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 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 - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

**Reported:**  
02/27/11 15:58

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| GW01      | R102137-01    | Water  | 02/24/11 09:40 | 02/24/11 17:00 |
| SS01      | R102137-02    | Soil   | 02/24/11 12:10 | 02/24/11 17:00 |
| SS02      | R102137-03    | Soil   | 02/24/11 12:15 | 02/24/11 17:00 |
| SS03      | R102137-04    | Soil   | 02/24/11 12:20 | 02/24/11 17:00 |
| SS04      | R102137-05    | Soil   | 02/24/11 12:25 | 02/24/11 17:00 |

Summit Scientific

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

Reported:  
02/27/11 15:58

Summit Scientific *S2* 202137

741 Corporate Circle Suite 1 • Golden, Colorado 80401  
303-277-9510 • 303-277-9531 Fax

Page | of |

Client: LT Environmental, Inc. Project Manager: Brian Dodek  
Address: 4600 West 60th Avenue  
City/State/Zip: Arvada, CO 80003 E-Mail: [bdodek@env.com](mailto:bdodek@env.com)  
Phone: (303) 433-9788 Fax: (303) 433-1432 Project Name: *415446-05 PDC Leffler 13, 14, 23, 24-35, 35B*  
Sampler Name: *Dawn Girth* Project Number: *018811026.05*

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative       |                  |                    |                 | Matrix       | Analyze For: |              |                         |                 |            |                      | Special Instructions |                           |                                     |                  |                   |                           |                |        |  |  |  |
|--------------------|--------------|--------------|----------------------|--------------------|------------------|--------------------|-----------------|--------------|--------------|--------------|-------------------------|-----------------|------------|----------------------|----------------------|---------------------------|-------------------------------------|------------------|-------------------|---------------------------|----------------|--------|--|--|--|
|                    |              |              |                      | HCl                | HNO <sub>3</sub> | Zone               | Other (Specify) |              | Groundwater  | Soil         | Air - Canister Serial # | Other (Specify) | DRO        | GBTEX / <i>MBP L</i> |                      | BTEX                      | Table 9.10 Full                     | Table 9.10 Short | PH / EC           | SAR                       |                |        |  |  |  |
| GND1               | 2-24-11      | 0946         | 3                    | X                  |                  |                    |                 |              |              |              |                         |                 |            |                      |                      |                           |                                     |                  |                   |                           |                |        |  |  |  |
| 5501               |              | 1210         | 1                    |                    | X                |                    |                 |              |              |              |                         |                 |            |                      |                      |                           |                                     |                  |                   |                           |                |        |  |  |  |
| 5502               |              | 1215         | 1                    |                    |                  |                    |                 |              |              |              |                         |                 |            |                      |                      |                           |                                     |                  |                   |                           |                |        |  |  |  |
| 5503               |              | 1220         | 1                    |                    |                  |                    |                 |              |              |              |                         |                 |            |                      |                      |                           |                                     |                  |                   |                           |                |        |  |  |  |
| 5504               |              | 1225         | 1                    |                    |                  |                    |                 |              |              |              |                         |                 |            |                      |                      |                           |                                     |                  |                   |                           |                |        |  |  |  |
|                    |              |              |                      | Received by:       | Date/Time:       | Received by:       | Date/Time:      | Received by: | Date/Time:   | Received by: | Date/Time:              | Received by:    | Date/Time: | Received in Lab by:  | Date/Time:           | Turn Around Time (Check): | 72 Hours                            | Standard         | Sample Integrity: | Temperature Upon Receipt: | Intact/ Yes No | Notes: |  |  |  |
|                    |              |              |                      | <i>[Signature]</i> | 2-24-11 5:00     | <i>[Signature]</i> | 2-24-11 5:00    |              |              |              |                         |                 |            |                      |                      | 48 Hours                  | <input checked="" type="checkbox"/> |                  |                   |                           |                |        |  |  |  |

www.SScientific.com

Summit Scientific

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
 Project Manager: Brian Dodek

**Reported:**  
 02/27/11 15:58

**GW01**  
**R102137-01 (Water)**

**Summit Scientific**

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

Date Sampled: **02/24/11 09:40**

| Analyte                | Result     | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Benzene</b>         | <b>130</b> | 1.0             | ug/l  | 1        | 1022506 | 02/25/11 | 02/26/11 | EPA 8260B |       |
| <b>Toluene</b>         | <b>280</b> | 1.0             | "     | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>    | <b>33</b>  | 1.0             | "     | "        | "       | "        | "        | "         |       |
| <b>Xylenes (total)</b> | <b>250</b> | 1.0             | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/24/11 09:40**

| Analyte                                 | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> |        | 118 %           | 57.9-139 |          | "     | "        | "        | "      |       |
| <i>Surrogate: Toluene-d8</i>            |        | 99.0 %          | 83.1-115 |          | "     | "        | "        | "      |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  |        | 109 %           | 80.8-120 |          | "     | "        | "        | "      |       |

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

**Reported:**  
02/27/11 15:58

**SS01**  
**R102137-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **02/24/11 12:10**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method   | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | 1022511 | 02/25/11 | 02/25/11 | 8015 DRO |       |

Date Sampled: **02/24/11 12:10**

| Analyte                        | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl |        | 103 %           | 88.8-124 |          | "     | "        | "        | "      |       |

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

Date Sampled: **02/24/11 12:10**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene                 | ND     | 0.0050          | mg/kg | 1        | 1022510 | 02/25/11 | 02/26/11 | EPA 8260B |       |
| Benzene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Toluene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| m,p-Xylene                  | ND     | 0.010           | "     | "        | "       | "        | "        | "         |       |
| o-Xylene                    | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/24/11 12:10**

| Analyte                          | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 112 %           | 67.4-143 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 94.8 %          | 77.3-114 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 94.5 %          | 78.4-125 |          | "     | "        | "        | "      |       |

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

**Reported:**  
02/27/11 15:58

**SS02**  
**R102137-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **02/24/11 12:15**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method   | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | 1022511 | 02/25/11 | 02/25/11 | 8015 DRO |       |

Date Sampled: **02/24/11 12:15**

| Analyte                        | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl |        | 103 %           | 88.8-124 |          | "     | "        | "        | "      |       |

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

Date Sampled: **02/24/11 12:15**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene                 | ND     | 0.0050          | mg/kg | 1        | 1022510 | 02/25/11 | 02/26/11 | EPA 8260B |       |
| Benzene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Toluene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| m,p-Xylene                  | ND     | 0.010           | "     | "        | "       | "        | "        | "         |       |
| o-Xylene                    | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/24/11 12:15**

| Analyte                          | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 116 %           | 67.4-143 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 94.8 %          | 77.3-114 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 97.8 %          | 78.4-125 |          | "     | "        | "        | "      |       |

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

**Reported:**  
02/27/11 15:58

**SS03**  
**R102137-04 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **02/24/11 12:20**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method   | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | 1022511 | 02/25/11 | 02/26/11 | 8015 DRO |       |

Date Sampled: **02/24/11 12:20**

| Analyte                        | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl |        | 108 %           | 88.8-124 |          | "     | "        | "        | "      |       |

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

Date Sampled: **02/24/11 12:20**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene                 | ND     | 0.0050          | mg/kg | 1        | 1022510 | 02/25/11 | 02/26/11 | EPA 8260B |       |
| Benzene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Toluene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| m,p-Xylene                  | ND     | 0.010           | "     | "        | "       | "        | "        | "         |       |
| o-Xylene                    | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/24/11 12:20**

| Analyte                          | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 119 %           | 67.4-143 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 95.1 %          | 77.3-114 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 98.3 %          | 78.4-125 |          | "     | "        | "        | "      |       |

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

**Reported:**  
02/27/11 15:58

**SS04**  
**R102137-05 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **02/24/11 12:25**

| Analyte       | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method   | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|----------|-------|
| C10-C28 (DRO) | ND     | 50              | mg/kg | 1        | 1022511 | 02/25/11 | 02/26/11 | 8015 DRO |       |

Date Sampled: **02/24/11 12:25**

| Analyte                        | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| Surrogate: <i>o</i> -Terphenyl |        | 103 %           | 88.8-124 |          | "     | "        | "        | "      |       |

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

Date Sampled: **02/24/11 12:25**

| Analyte                     | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene                 | ND     | 0.0050          | mg/kg | 1        | 1022510 | 02/25/11 | 02/26/11 | EPA 8260B |       |
| Benzene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Toluene                     | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| m,p-Xylene                  | ND     | 0.010           | "     | "        | "       | "        | "        | "         |       |
| o-Xylene                    | ND     | 0.0050          | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Hydrocarbons | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **02/24/11 12:25**

| Analyte                          | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 119 %           | 67.4-143 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 94.0 %          | 77.3-114 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 98.6 %          | 78.4-125 |          | "     | "        | "        | "      |       |

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

**Reported:**  
02/27/11 15:58

**Total Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch 1022511 - EPA 3550A**

|                                        |             |    |          |                               |            |                               |          |      |  |      |  |
|----------------------------------------|-------------|----|----------|-------------------------------|------------|-------------------------------|----------|------|--|------|--|
| <b>Blank (1022511-BLK1)</b>            |             |    |          | Prepared & Analyzed: 02/25/11 |            |                               |          |      |  |      |  |
| C10-C28 (DRO)                          | ND          | 50 | mg/kg    |                               |            |                               |          |      |  |      |  |
| <i>Surrogate: o-Terphenyl</i>          | <i>12.9</i> |    | <i>"</i> | <i>12.5</i>                   | <i>103</i> | <i>88.8-124</i>               |          |      |  |      |  |
| <b>LCS (1022511-BS1)</b>               |             |    |          | Prepared & Analyzed: 02/25/11 |            |                               |          |      |  |      |  |
| C10-C28 (DRO)                          | 526         | 50 | mg/kg    | 501                           | 105        | 81.4-129                      |          |      |  | 9.26 |  |
| <b>LCS Dup (1022511-BSD1)</b>          |             |    |          | Prepared & Analyzed: 02/25/11 |            |                               |          |      |  |      |  |
| C10-C28 (DRO)                          | 523         | 50 | mg/kg    | 501                           | 104        | 81.4-129                      | 0.622    |      |  | 9.26 |  |
| <b>Matrix Spike (1022511-MS1)</b>      |             |    |          | <b>Source: R102137-02</b>     |            | Prepared & Analyzed: 02/25/11 |          |      |  |      |  |
| C10-C28 (DRO)                          | 504         | 50 | mg/kg    | 501                           | 20.6       | 96.5                          | 77.8-133 |      |  | 8.48 |  |
| <b>Matrix Spike Dup (1022511-MSD1)</b> |             |    |          | <b>Source: R102137-02</b>     |            | Prepared & Analyzed: 02/25/11 |          |      |  |      |  |
| C10-C28 (DRO)                          | 519         | 50 | mg/kg    | 501                           | 20.6       | 99.5                          | 77.8-133 | 2.91 |  | 8.48 |  |

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

**Reported:**  
02/27/11 15:58

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

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

**Batch 1022506 - EPA 5030 Water MS**

**Blank (1022506-BLK1)**

Prepared & Analyzed: 02/25/11

|                                         |             |     |          |             |  |             |                 |  |  |  |
|-----------------------------------------|-------------|-----|----------|-------------|--|-------------|-----------------|--|--|--|
| Benzene                                 | ND          | 1.0 | ug/l     |             |  |             |                 |  |  |  |
| Toluene                                 | ND          | 1.0 | "        |             |  |             |                 |  |  |  |
| Ethylbenzene                            | ND          | 1.0 | "        |             |  |             |                 |  |  |  |
| Xylenes (total)                         | ND          | 1.0 | "        |             |  |             |                 |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>15.7</i> |     | <i>"</i> | <i>13.3</i> |  | <i>118</i>  | <i>57.9-139</i> |  |  |  |
| <i>Surrogate: Toluene-d8</i>            | <i>13.1</i> |     | <i>"</i> | <i>13.3</i> |  | <i>98.3</i> | <i>83.1-115</i> |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>14.0</i> |     | <i>"</i> | <i>13.3</i> |  | <i>105</i>  | <i>80.8-120</i> |  |  |  |

**Blank (1022506-BLK2)**

Prepared & Analyzed: 02/25/11

|                                         |             |     |          |             |  |             |                 |  |  |  |
|-----------------------------------------|-------------|-----|----------|-------------|--|-------------|-----------------|--|--|--|
| Benzene                                 | ND          | 1.0 | ug/l     |             |  |             |                 |  |  |  |
| Toluene                                 | ND          | 1.0 | "        |             |  |             |                 |  |  |  |
| Ethylbenzene                            | ND          | 1.0 | "        |             |  |             |                 |  |  |  |
| Xylenes (total)                         | ND          | 1.0 | "        |             |  |             |                 |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>15.5</i> |     | <i>"</i> | <i>13.3</i> |  | <i>116</i>  | <i>57.9-139</i> |  |  |  |
| <i>Surrogate: Toluene-d8</i>            | <i>13.1</i> |     | <i>"</i> | <i>13.3</i> |  | <i>98.5</i> | <i>83.1-115</i> |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>14.2</i> |     | <i>"</i> | <i>13.3</i> |  | <i>106</i>  | <i>80.8-120</i> |  |  |  |

**LCS (1022506-BS1)**

Prepared & Analyzed: 02/25/11

|                                         |             |     |          |             |  |             |                 |  |      |  |
|-----------------------------------------|-------------|-----|----------|-------------|--|-------------|-----------------|--|------|--|
| Benzene                                 | 26.0        | 1.0 | ug/l     | 33.3        |  | 78.0        | 60.1-131        |  | 10.9 |  |
| Toluene                                 | 27.6        | 1.0 | "        | 33.3        |  | 82.9        | 65.9-127        |  | 11.3 |  |
| Ethylbenzene                            | 28.8        | 1.0 | "        | 33.3        |  | 86.4        | 65.1-129        |  | 20   |  |
| m,p-Xylene                              | 58.9        | 2.0 | "        | 66.7        |  | 88.4        | 66.8-127        |  | 20   |  |
| o-Xylene                                | 31.0        | 1.0 | "        | 33.3        |  | 93.2        | 61.2-120        |  | 20   |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>15.9</i> |     | <i>"</i> | <i>13.3</i> |  | <i>119</i>  | <i>57.9-139</i> |  |      |  |
| <i>Surrogate: Toluene-d8</i>            | <i>13.1</i> |     | <i>"</i> | <i>13.3</i> |  | <i>98.1</i> | <i>83.1-115</i> |  |      |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>14.2</i> |     | <i>"</i> | <i>13.3</i> |  | <i>106</i>  | <i>80.8-120</i> |  |      |  |

**LCS (1022506-BS2)**

Prepared & Analyzed: 02/25/11

|                                         |             |     |          |             |  |             |                 |  |      |  |
|-----------------------------------------|-------------|-----|----------|-------------|--|-------------|-----------------|--|------|--|
| Benzene                                 | 26.1        | 1.0 | ug/l     | 33.3        |  | 78.3        | 60.1-131        |  | 10.9 |  |
| Toluene                                 | 27.8        | 1.0 | "        | 33.3        |  | 83.3        | 65.9-127        |  | 11.3 |  |
| Ethylbenzene                            | 29.1        | 1.0 | "        | 33.3        |  | 87.4        | 65.1-129        |  | 20   |  |
| m,p-Xylene                              | 59.2        | 2.0 | "        | 66.7        |  | 88.8        | 66.8-127        |  | 20   |  |
| o-Xylene                                | 31.6        | 1.0 | "        | 33.3        |  | 94.7        | 61.2-120        |  | 20   |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>15.9</i> |     | <i>"</i> | <i>13.3</i> |  | <i>119</i>  | <i>57.9-139</i> |  |      |  |
| <i>Surrogate: Toluene-d8</i>            | <i>13.1</i> |     | <i>"</i> | <i>13.3</i> |  | <i>98.6</i> | <i>83.1-115</i> |  |      |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>13.9</i> |     | <i>"</i> | <i>13.3</i> |  | <i>104</i>  | <i>80.8-120</i> |  |      |  |

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

Reported:  
02/27/11 15:58

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

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

**Batch 1022506 - EPA 5030 Water MS**

**LCS Dup (1022506-BSD1)**

Prepared: 02/25/11 Analyzed: 02/26/11

|                                  |      |     |      |      |  |      |          |       |      |  |
|----------------------------------|------|-----|------|------|--|------|----------|-------|------|--|
| Benzene                          | 26.0 | 1.0 | ug/l | 33.3 |  | 78.1 | 60.1-131 | 0.115 | 10.9 |  |
| Toluene                          | 27.8 | 1.0 | "    | 33.3 |  | 83.5 | 65.9-127 | 0.757 | 11.3 |  |
| Ethylbenzene                     | 29.5 | 1.0 | "    | 33.3 |  | 88.6 | 65.1-129 | 2.50  | 20   |  |
| m,p-Xylene                       | 60.3 | 2.0 | "    | 66.7 |  | 90.5 | 66.8-127 | 2.33  | 20   |  |
| o-Xylene                         | 31.8 | 1.0 | "    | 33.3 |  | 95.5 | 61.2-120 | 2.51  | 20   |  |
| Surrogate: 1,2-Dichloroethane-d4 | 15.7 |     | "    | 13.3 |  | 118  | 57.9-139 |       |      |  |
| Surrogate: Toluene-d8            | 12.9 |     | "    | 13.3 |  | 96.8 | 83.1-115 |       |      |  |
| Surrogate: 4-Bromofluorobenzene  | 14.0 |     | "    | 13.3 |  | 105  | 80.8-120 |       |      |  |

**LCS Dup (1022506-BSD2)**

Prepared: 02/25/11 Analyzed: 02/26/11

|                                  |      |     |      |      |  |      |          |       |      |  |
|----------------------------------|------|-----|------|------|--|------|----------|-------|------|--|
| Benzene                          | 26.4 | 1.0 | ug/l | 33.3 |  | 79.1 | 60.1-131 | 1.03  | 10.9 |  |
| Toluene                          | 28.2 | 1.0 | "    | 33.3 |  | 84.6 | 65.9-127 | 1.54  | 11.3 |  |
| Ethylbenzene                     | 29.4 | 1.0 | "    | 33.3 |  | 88.3 | 65.1-129 | 1.09  | 20   |  |
| m,p-Xylene                       | 60.0 | 2.0 | "    | 66.7 |  | 90.0 | 66.8-127 | 1.26  | 20   |  |
| o-Xylene                         | 31.7 | 1.0 | "    | 33.3 |  | 95.1 | 61.2-120 | 0.474 | 20   |  |
| Surrogate: 1,2-Dichloroethane-d4 | 15.8 |     | "    | 13.3 |  | 119  | 57.9-139 |       |      |  |
| Surrogate: Toluene-d8            | 13.1 |     | "    | 13.3 |  | 98.2 | 83.1-115 |       |      |  |
| Surrogate: 4-Bromofluorobenzene  | 14.0 |     | "    | 13.3 |  | 105  | 80.8-120 |       |      |  |

**Matrix Spike (1022506-MS1)**

Source: R102140-01

Prepared: 02/25/11 Analyzed: 02/26/11

|                                  |      |     |      |      |      |      |          |  |      |  |
|----------------------------------|------|-----|------|------|------|------|----------|--|------|--|
| Benzene                          | 46.3 | 1.0 | ug/l | 33.3 | 32.8 | 40.5 | 52.7-130 |  | 19.3 |  |
| Toluene                          | 27.8 | 1.0 | "    | 33.3 | ND   | 83.5 | 57-127   |  | 18.7 |  |
| Ethylbenzene                     | 33.6 | 1.0 | "    | 33.3 | 4.57 | 87.1 | 59.2-127 |  | 20   |  |
| m,p-Xylene                       | 72.2 | 2.0 | "    | 66.7 | 12.2 | 90.0 | 53.2-132 |  | 20   |  |
| o-Xylene                         | 31.2 | 1.0 | "    | 33.3 | ND   | 93.7 | 56.3-117 |  | 20   |  |
| Surrogate: 1,2-Dichloroethane-d4 | 16.1 |     | "    | 13.3 |      | 121  | 57.9-139 |  |      |  |
| Surrogate: Toluene-d8            | 13.1 |     | "    | 13.3 |      | 98.5 | 83.1-115 |  |      |  |
| Surrogate: 4-Bromofluorobenzene  | 14.4 |     | "    | 13.3 |      | 108  | 80.8-120 |  |      |  |

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Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

Reported:  
02/27/11 15:58

**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 1022506 - EPA 5030 Water MS**

**Matrix Spike (1022506-MS2)**

Source: R102140-02 Prepared: 02/25/11 Analyzed: 02/26/11

|                                  |      |     |      |      |    |      |          |  |      |  |
|----------------------------------|------|-----|------|------|----|------|----------|--|------|--|
| Benzene                          | 25.8 | 1.0 | ug/l | 33.3 | ND | 77.3 | 52.7-130 |  | 19.3 |  |
| Toluene                          | 27.4 | 1.0 | "    | 33.3 | ND | 82.1 | 57-127   |  | 18.7 |  |
| Ethylbenzene                     | 28.5 | 1.0 | "    | 33.3 | ND | 85.5 | 59.2-127 |  | 20   |  |
| m,p-Xylene                       | 58.0 | 2.0 | "    | 66.7 | ND | 87.1 | 53.2-132 |  | 20   |  |
| o-Xylene                         | 30.6 | 1.0 | "    | 33.3 | ND | 91.9 | 56.3-117 |  | 20   |  |
| Surrogate: 1,2-Dichloroethane-d4 | 15.9 |     | "    | 13.3 |    | 119  | 57.9-139 |  |      |  |
| Surrogate: Toluene-d8            | 13.1 |     | "    | 13.3 |    | 98.5 | 83.1-115 |  |      |  |
| Surrogate: 4-Bromofluorobenzene  | 14.4 |     | "    | 13.3 |    | 108  | 80.8-120 |  |      |  |

**Matrix Spike Dup (1022506-MSD1)**

Source: R102140-01 Prepared: 02/25/11 Analyzed: 02/26/11

|                                  |      |     |      |      |      |      |          |       |      |  |
|----------------------------------|------|-----|------|------|------|------|----------|-------|------|--|
| Benzene                          | 56.9 | 1.0 | ug/l | 33.3 | 32.8 | 72.2 | 52.7-130 | 20.5  | 19.3 |  |
| Toluene                          | 27.4 | 1.0 | "    | 33.3 | ND   | 82.4 | 57-127   | 1.41  | 18.7 |  |
| Ethylbenzene                     | 32.8 | 1.0 | "    | 33.3 | 4.57 | 84.7 | 59.2-127 | 2.47  | 20   |  |
| m,p-Xylene                       | 67.9 | 2.0 | "    | 66.7 | 12.2 | 83.5 | 53.2-132 | 6.17  | 20   |  |
| o-Xylene                         | 30.9 | 1.0 | "    | 33.3 | ND   | 92.8 | 56.3-117 | 0.933 | 20   |  |
| Surrogate: 1,2-Dichloroethane-d4 | 16.0 |     | "    | 13.3 |      | 120  | 57.9-139 |       |      |  |
| Surrogate: Toluene-d8            | 13.3 |     | "    | 13.3 |      | 99.8 | 83.1-115 |       |      |  |
| Surrogate: 4-Bromofluorobenzene  | 14.7 |     | "    | 13.3 |      | 110  | 80.8-120 |       |      |  |

**Matrix Spike Dup (1022506-MSD2)**

Source: R102140-02 Prepared: 02/25/11 Analyzed: 02/26/11

|                                  |      |     |      |      |    |      |          |      |      |  |
|----------------------------------|------|-----|------|------|----|------|----------|------|------|--|
| Benzene                          | 26.1 | 1.0 | ug/l | 33.3 | ND | 78.4 | 52.7-130 | 1.43 | 19.3 |  |
| Toluene                          | 27.8 | 1.0 | "    | 33.3 | ND | 83.5 | 57-127   | 1.78 | 18.7 |  |
| Ethylbenzene                     | 29.0 | 1.0 | "    | 33.3 | ND | 87.2 | 59.2-127 | 1.91 | 20   |  |
| m,p-Xylene                       | 59.3 | 2.0 | "    | 66.7 | ND | 89.0 | 53.2-132 | 2.20 | 20   |  |
| o-Xylene                         | 31.4 | 1.0 | "    | 33.3 | ND | 94.1 | 56.3-117 | 2.39 | 20   |  |
| Surrogate: 1,2-Dichloroethane-d4 | 15.9 |     | "    | 13.3 |    | 119  | 57.9-139 |      |      |  |
| Surrogate: Toluene-d8            | 13.2 |     | "    | 13.3 |    | 98.9 | 83.1-115 |      |      |  |
| Surrogate: 4-Bromofluorobenzene  | 14.4 |     | "    | 13.3 |    | 108  | 80.8-120 |      |      |  |

Summit Scientific

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

**Reported:**  
02/27/11 15:58

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

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

**Batch 1022510 - EPA 5030 Soil MS**

**Blank (1022510-BLK1)**

Prepared: 02/25/11 Analyzed: 02/26/11

|                                         |               |        |          |               |  |             |                 |  |  |  |
|-----------------------------------------|---------------|--------|----------|---------------|--|-------------|-----------------|--|--|--|
| Naphthalene                             | ND            | 0.0050 | mg/kg    |               |  |             |                 |  |  |  |
| Benzene                                 | ND            | 0.0050 | "        |               |  |             |                 |  |  |  |
| Toluene                                 | ND            | 0.0050 | "        |               |  |             |                 |  |  |  |
| Ethylbenzene                            | ND            | 0.0050 | "        |               |  |             |                 |  |  |  |
| m,p-Xylene                              | ND            | 0.010  | "        |               |  |             |                 |  |  |  |
| o-Xylene                                | ND            | 0.0050 | "        |               |  |             |                 |  |  |  |
| Gasoline Range Hydrocarbons             | ND            | 0.50   | "        |               |  |             |                 |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0424</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>106</i>  | <i>67.4-143</i> |  |  |  |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0378</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>94.4</i> | <i>77.3-114</i> |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0387</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>96.8</i> | <i>78.4-125</i> |  |  |  |

**LCS (1022510-BS1)**

Prepared: 02/25/11 Analyzed: 02/26/11

|                                         |               |        |          |               |  |             |                 |  |      |  |
|-----------------------------------------|---------------|--------|----------|---------------|--|-------------|-----------------|--|------|--|
| Naphthalene                             | ND            | 0.0050 | mg/kg    |               |  |             | 67.8-151        |  | 20   |  |
| Benzene                                 | 0.0798        | 0.0050 | "        | 0.100         |  | 79.8        | 61-139          |  | 11.1 |  |
| Toluene                                 | 0.0789        | 0.0050 | "        | 0.100         |  | 78.9        | 64-132          |  | 10.9 |  |
| Ethylbenzene                            | 0.0972        | 0.0050 | "        | 0.100         |  | 97.2        | 68.7-135        |  | 20   |  |
| m,p-Xylene                              | 0.190         | 0.010  | "        | 0.200         |  | 95.2        | 70.4-129        |  | 20   |  |
| o-Xylene                                | 0.0930        | 0.0050 | "        | 0.100         |  | 93.0        | 66.9-126        |  | 20   |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0442</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>111</i>  | <i>67.4-143</i> |  |      |  |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0377</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>94.4</i> | <i>77.3-114</i> |  |      |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0374</i> |        | <i>"</i> | <i>0.0400</i> |  | <i>93.4</i> | <i>78.4-125</i> |  |      |  |

**Matrix Spike (1022510-MS1)**

Source: R102137-02

Prepared: 02/25/11 Analyzed: 02/26/11

|                                         |               |        |          |               |      |             |                 |  |      |  |
|-----------------------------------------|---------------|--------|----------|---------------|------|-------------|-----------------|--|------|--|
| Naphthalene                             | ND            | 0.0050 | mg/kg    |               | 0.00 |             | 26.4-144        |  | 20   |  |
| Benzene                                 | 0.0867        | 0.0050 | "        | 0.100         | 0.00 | 86.7        | 42.9-137        |  | 17.9 |  |
| Toluene                                 | 0.0874        | 0.0050 | "        | 0.100         | 0.00 | 87.4        | 42.6-130        |  | 11.9 |  |
| Ethylbenzene                            | 0.105         | 0.0050 | "        | 0.100         | 0.00 | 105         | 39-133          |  | 20   |  |
| m,p-Xylene                              | 0.204         | 0.010  | "        | 0.200         | 0.00 | 102         | 34.7-134        |  | 20   |  |
| o-Xylene                                | 0.101         | 0.0050 | "        | 0.100         | 0.00 | 101         | 41.3-126        |  | 20   |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0476</i> |        | <i>"</i> | <i>0.0400</i> |      | <i>119</i>  | <i>67.4-143</i> |  |      |  |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0384</i> |        | <i>"</i> | <i>0.0400</i> |      | <i>96.0</i> | <i>77.3-114</i> |  |      |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0364</i> |        | <i>"</i> | <i>0.0400</i> |      | <i>91.0</i> | <i>78.4-125</i> |  |      |  |

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

**Reported:**  
02/27/11 15:58

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

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

**Batch 1022510 - EPA 5030 Soil MS**

| <b>Matrix Spike Dup (1022510-MSD1)</b>  | <b>Source: R102137-02</b> |        |          | Prepared: 02/25/11 | Analyzed: 02/26/11 |             |                 |      |  |      |  |
|-----------------------------------------|---------------------------|--------|----------|--------------------|--------------------|-------------|-----------------|------|--|------|--|
| Naphthalene                             | ND                        | 0.0050 | mg/kg    | 0.00               | 0.00               | 26.4-144    |                 |      |  | 20   |  |
| Benzene                                 | 0.0964                    | 0.0050 | "        | 0.100              | 0.00               | 96.4        | 42.9-137        | 10.6 |  | 17.9 |  |
| Toluene                                 | 0.0966                    | 0.0050 | "        | 0.100              | 0.00               | 96.6        | 42.6-130        | 9.91 |  | 11.9 |  |
| Ethylbenzene                            | 0.118                     | 0.0050 | "        | 0.100              | 0.00               | 118         | 39-133          | 11.8 |  | 20   |  |
| m,p-Xylene                              | 0.229                     | 0.010  | "        | 0.200              | 0.00               | 115         | 34.7-134        | 11.4 |  | 20   |  |
| o-Xylene                                | 0.113                     | 0.0050 | "        | 0.100              | 0.00               | 113         | 41.3-126        | 11.6 |  | 20   |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.0479</i>             |        | <i>"</i> | <i>0.0400</i>      |                    | <i>120</i>  | <i>67.4-143</i> |      |  |      |  |
| <i>Surrogate: Toluene-d8</i>            | <i>0.0388</i>             |        | <i>"</i> | <i>0.0400</i>      |                    | <i>97.0</i> | <i>77.3-114</i> |      |  |      |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>0.0383</i>             |        | <i>"</i> | <i>0.0400</i>      |                    | <i>95.8</i> | <i>78.4-125</i> |      |  |      |  |

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026.05  
Project Manager: Brian Dodek

**Reported:**  
02/27/11 15:58

### 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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# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

April 18, 2011

Brian Dodek

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: PDC - Leffler 13, 14, 23, 24-35, 35B

Enclosed are the results of analyses for samples received by Summit Scientific on 04/12/11 16:30. 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 - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026  
Project Manager: Brian Dodek

**Reported:**  
04/18/11 15:15

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| MW01      | R104070-01    | Water  | 04/12/11 11:30 | 04/12/11 16:30 |
| MW02      | R104070-02    | Water  | 04/12/11 11:50 | 04/12/11 16:30 |
| MW03      | R104070-03    | Water  | 04/12/11 12:10 | 04/12/11 16:30 |

Summit Scientific

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026  
 Project Manager: Brian Dodek

**Reported:**  
 04/18/11 15:15

**MW01**  
**R104070-01 (Water)**

**Summit Scientific**

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

Date Sampled: **04/12/11 11:30**

| Analyte         | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0             | ug/l  | 1        | 1041503 | 04/15/11 | 04/16/11 | EPA 8260B |       |
| Toluene         | ND     | 1.0             | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0             | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0             | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/12/11 11:30**

| Analyte                          | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 |        | 104 %           | 57.9-139 |          | "     | "        | "        | "      |       |
| Surrogate: Toluene-d8            |        | 99.4 %          | 83.1-115 |          | "     | "        | "        | "      |       |
| Surrogate: 4-Bromofluorobenzene  |        | 97.1 %          | 80.8-120 |          | "     | "        | "        | "      |       |

Summit Scientific

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026  
 Project Manager: Brian Dodek

**Reported:**  
 04/18/11 15:15

**MW02**  
**R104070-02 (Water)**

**Summit Scientific**

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

Date Sampled: **04/12/11 11:50**

| Analyte         | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0             | ug/l  | 1        | 1041503 | 04/15/11 | 04/16/11 | EPA 8260B |       |
| Toluene         | ND     | 1.0             | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0             | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0             | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/12/11 11:50**

| Analyte                                 | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> |        | 103 %           | 57.9-139 |          | "     | "        | "        | "      |       |
| <i>Surrogate: Toluene-d8</i>            |        | 99.8 %          | 83.1-115 |          | "     | "        | "        | "      |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  |        | 98.6 %          | 80.8-120 |          | "     | "        | "        | "      |       |

Summit Scientific

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026  
 Project Manager: Brian Dodek

**Reported:**  
 04/18/11 15:15

**MW03**  
**R104070-03 (Water)**

**Summit Scientific**

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

Date Sampled: **04/12/11 12:10**

| Analyte         | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene         | ND     | 1.0             | ug/l  | 1        | 1041503 | 04/15/11 | 04/16/11 | EPA 8260B |       |
| Toluene         | ND     | 1.0             | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene    | ND     | 1.0             | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total) | ND     | 1.0             | "     | "        | "       | "        | "        | "         |       |

Date Sampled: **04/12/11 12:10**

| Analyte                                 | Result | Reporting Limit | Units    | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> |        | 104 %           | 57.9-139 |          | "     | "        | "        | "      |       |
| <i>Surrogate: Toluene-d8</i>            |        | 99.2 %          | 83.1-115 |          | "     | "        | "        | "      |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>  |        | 99.2 %          | 80.8-120 |          | "     | "        | "        | "      |       |

Summit Scientific

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026  
Project Manager: Brian Dodek

**Reported:**  
04/18/11 15:15

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**Summit Scientific**

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

**Batch 1041503 - EPA 5030 Water MS**

**Blank (1041503-BLK1)**

Prepared & Analyzed: 04/15/11

|                                         |             |     |          |             |             |                 |  |  |  |  |
|-----------------------------------------|-------------|-----|----------|-------------|-------------|-----------------|--|--|--|--|
| Benzene                                 | ND          | 1.0 | ug/l     |             |             |                 |  |  |  |  |
| Toluene                                 | ND          | 1.0 | "        |             |             |                 |  |  |  |  |
| Ethylbenzene                            | ND          | 1.0 | "        |             |             |                 |  |  |  |  |
| Xylenes (total)                         | ND          | 1.0 | "        |             |             |                 |  |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>13.4</i> |     | <i>"</i> | <i>13.3</i> | <i>100</i>  | <i>57.9-139</i> |  |  |  |  |
| <i>Surrogate: Toluene-d8</i>            | <i>13.2</i> |     | <i>"</i> | <i>13.3</i> | <i>99.3</i> | <i>83.1-115</i> |  |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>13.0</i> |     | <i>"</i> | <i>13.3</i> | <i>97.2</i> | <i>80.8-120</i> |  |  |  |  |

**LCS (1041503-BS1)**

Prepared & Analyzed: 04/15/11

|                                         |             |     |          |             |             |                 |  |      |  |  |
|-----------------------------------------|-------------|-----|----------|-------------|-------------|-----------------|--|------|--|--|
| Benzene                                 | 32.2        | 1.0 | ug/l     | 33.3        | 96.7        | 60.1-131        |  | 10.9 |  |  |
| Toluene                                 | 36.5        | 1.0 | "        | 33.3        | 109         | 65.9-127        |  | 11.3 |  |  |
| Ethylbenzene                            | 39.6        | 1.0 | "        | 33.3        | 119         | 65.1-129        |  | 20   |  |  |
| m,p-Xylene                              | 80.2        | 2.0 | "        | 66.7        | 120         | 66.8-127        |  | 20   |  |  |
| o-Xylene                                | 39.9        | 1.0 | "        | 33.3        | 120         | 61.2-120        |  | 20   |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>13.5</i> |     | <i>"</i> | <i>13.3</i> | <i>101</i>  | <i>57.9-139</i> |  |      |  |  |
| <i>Surrogate: Toluene-d8</i>            | <i>13.3</i> |     | <i>"</i> | <i>13.3</i> | <i>99.6</i> | <i>83.1-115</i> |  |      |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>13.2</i> |     | <i>"</i> | <i>13.3</i> | <i>99.0</i> | <i>80.8-120</i> |  |      |  |  |

**LCS Dup (1041503-BSD1)**

Prepared & Analyzed: 04/15/11

|                                         |             |     |          |             |             |                 |       |      |  |  |
|-----------------------------------------|-------------|-----|----------|-------------|-------------|-----------------|-------|------|--|--|
| Benzene                                 | 32.0        | 1.0 | ug/l     | 33.3        | 96.1        | 60.1-131        | 0.685 | 10.9 |  |  |
| Toluene                                 | 36.0        | 1.0 | "        | 33.3        | 108         | 65.9-127        | 1.21  | 11.3 |  |  |
| Ethylbenzene                            | 39.7        | 1.0 | "        | 33.3        | 119         | 65.1-129        | 0.227 | 20   |  |  |
| m,p-Xylene                              | 79.7        | 2.0 | "        | 66.7        | 120         | 66.8-127        | 0.538 | 20   |  |  |
| o-Xylene                                | 39.1        | 1.0 | "        | 33.3        | 117         | 61.2-120        | 1.97  | 20   |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>13.5</i> |     | <i>"</i> | <i>13.3</i> | <i>101</i>  | <i>57.9-139</i> |       |      |  |  |
| <i>Surrogate: Toluene-d8</i>            | <i>13.4</i> |     | <i>"</i> | <i>13.3</i> | <i>100</i>  | <i>83.1-115</i> |       |      |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | <i>13.2</i> |     | <i>"</i> | <i>13.3</i> | <i>99.2</i> | <i>80.8-120</i> |       |      |  |  |

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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026  
Project Manager: Brian Dodek

**Reported:**  
04/18/11 15:15

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

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

**Batch 1041503 - EPA 5030 Water MS**

**Matrix Spike (1041503-MS1)**

**Source: R104070-01**

Prepared & Analyzed: 04/15/11

|                                  |      |     |      |      |    |      |          |  |      |  |
|----------------------------------|------|-----|------|------|----|------|----------|--|------|--|
| Benzene                          | 30.2 | 1.0 | ug/l | 33.3 | ND | 90.6 | 52.7-130 |  | 19.3 |  |
| Toluene                          | 34.2 | 1.0 | "    | 33.3 | ND | 102  | 57-127   |  | 18.7 |  |
| Ethylbenzene                     | 37.4 | 1.0 | "    | 33.3 | ND | 112  | 59.2-127 |  | 20   |  |
| m,p-Xylene                       | 75.4 | 2.0 | "    | 66.7 | ND | 113  | 53.2-132 |  | 20   |  |
| o-Xylene                         | 37.8 | 1.0 | "    | 33.3 | ND | 114  | 56.3-117 |  | 20   |  |
| Surrogate: 1,2-Dichloroethane-d4 | 13.7 |     | "    | 13.3 |    | 103  | 57.9-139 |  |      |  |
| Surrogate: Toluene-d8            | 13.2 |     | "    | 13.3 |    | 99.4 | 83.1-115 |  |      |  |
| Surrogate: 4-Bromofluorobenzene  | 13.4 |     | "    | 13.3 |    | 100  | 80.8-120 |  |      |  |

**Matrix Spike Dup (1041503-MSD1)**

**Source: R104070-01**

Prepared: 04/15/11 Analyzed: 04/16/11

|                                  |      |     |      |      |    |      |          |      |      |  |
|----------------------------------|------|-----|------|------|----|------|----------|------|------|--|
| Benzene                          | 29.4 | 1.0 | ug/l | 33.3 | ND | 88.1 | 52.7-130 | 2.75 | 19.3 |  |
| Toluene                          | 32.8 | 1.0 | "    | 33.3 | ND | 98.5 | 57-127   | 3.97 | 18.7 |  |
| Ethylbenzene                     | 36.1 | 1.0 | "    | 33.3 | ND | 108  | 59.2-127 | 3.51 | 20   |  |
| m,p-Xylene                       | 73.0 | 2.0 | "    | 66.7 | ND | 109  | 53.2-132 | 3.21 | 20   |  |
| o-Xylene                         | 36.5 | 1.0 | "    | 33.3 | ND | 109  | 56.3-117 | 3.66 | 20   |  |
| Surrogate: 1,2-Dichloroethane-d4 | 13.8 |     | "    | 13.3 |    | 103  | 57.9-139 |      |      |  |
| Surrogate: Toluene-d8            | 13.2 |     | "    | 13.3 |    | 98.9 | 83.1-115 |      |      |  |
| Surrogate: 4-Bromofluorobenzene  | 13.0 |     | "    | 13.3 |    | 97.7 | 80.8-120 |      |      |  |

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*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: PDC - Leffler 13, 14, 23, 24-35, 35B

Project Number: 0188-11026  
Project Manager: Brian Dodek

**Reported:**  
04/18/11 15:15

### 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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