



May 10, 2012

Mr. John Axelson
Northeast Region Environmental Protection Specialist
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203

**RE: Groundwater Monitoring Report/No Further Action Request
Petroleum Development Corporation
Leffler 13, 14, 23, 24-35, 35B Tank Battery
API: 05-123-28169
Spill #2213127
Remediation #6011
C/SW Sec. 35-T7N-R66W 6 PM
Weld County, Colorado**

Dear Mr. Axelson:

LT Environmental, Inc. (LTE), under the direction of Petroleum Development Corporation (PDC), conducted groundwater sampling activities at the Leffler 13, 14, 23, 24-35, 35B tank battery (Site) on January 23, 2012. This monitoring event comprises the fourth consecutive monitoring event at this Site with analytical results that are in compliance with Colorado Department of Public Health and Environment (CDPHE) Water Quality Control Commission (WQCC) Regulation 41 (Reg 41). The Site is located approximately 0.25 miles east of County Road 74 and County Road 33 in Weld County, Colorado. The legal site description is the center of the southwest quarter of Section 35, Township 7 North, and Range 66 West of the 6th Principal Meridian. A Site Location Map is provided as Figure 1.

Source Removal Activities

During a routine inspection at the Site in February 2011, PDC discovered oil at the surface within the berm containing the production tanks and produced water vaults. After further inspection, PDC discovered impacted soil and groundwater beneath the Site. The source of the release was determined to be a welded area on the bottom of a production tank that had failed. Once the on-site equipment was removed, approximately 440 cubic yards of impacted soil above Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 Concentration Levels were excavated and transported to the Waste Management landfill in Ault, Colorado for disposal. A total of 180 barrels of impacted groundwater exceeding CDPHE WQCC Reg 41 standards were recovered and disposed of at a licensed facility.

Soil samples were collected from the extent of the excavation (SS01 through SS04) and submitted for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX); total petroleum hydrocarbons (TPH)-gasoline range organics (GRO); and naphthalene by United States Environmental Protection Agency (EPA) Method 8260B and TPH-diesel range organics



(DRO) by EPA Modified Method 8015. Laboratory results indicated BTEX, TPH-GRO, TPH-DRO, and naphthalene concentrations for all samples collected from the excavation are below reporting limits and in compliance with COGCC Table 910-1 Concentration Levels (Table 1).

A groundwater sample was collected from the excavation (GW01) and submitted for analysis of BTEX by EPA Method 8260B (Figure 2). Laboratory results indicated the benzene concentration exceeded the CDPHE WQCC Reg 41 standard in GW01 (Table 2).

Before backfilling the excavation, activated carbon was applied to the groundwater and exposed smear zone soils to remediate residual hydrocarbons remaining in the excavation. 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.

Quarterly Groundwater Monitoring

Monitoring wells MW01 through MW03 were installed at the Site on April 11, 2011 (Figure 2). Following installation, each well was developed and purged. Groundwater samples were collected from the wells on a quarterly basis and submitted for laboratory analysis of BTEX by EPA Method 8260B from April 2011 through January 2012. Laboratory analytical results indicate BTEX levels in groundwater have been in compliance with CDPHE WQCC Reg 41 standards for four consecutive quarters. As soil and groundwater has now been remediated to achieve COGCC cleanup goals, PDC is requesting a No Further Action determination for the Site.

Should you have any questions, please contact Brandon Bruns with PDC at (303) 831-3971.

Sincerely,

LT ENVIRONMENTAL, INC.

A handwritten signature in black ink that reads 'Devin Girtin'.

Devin Girtin, G.I.T.
Staff Geologist

A handwritten signature in black ink that reads 'Brian Dodek'.

Brian Dodek, P.G.
Client Manager/Senior Geologist

Attachments:

Figure 1 – Site Location Map

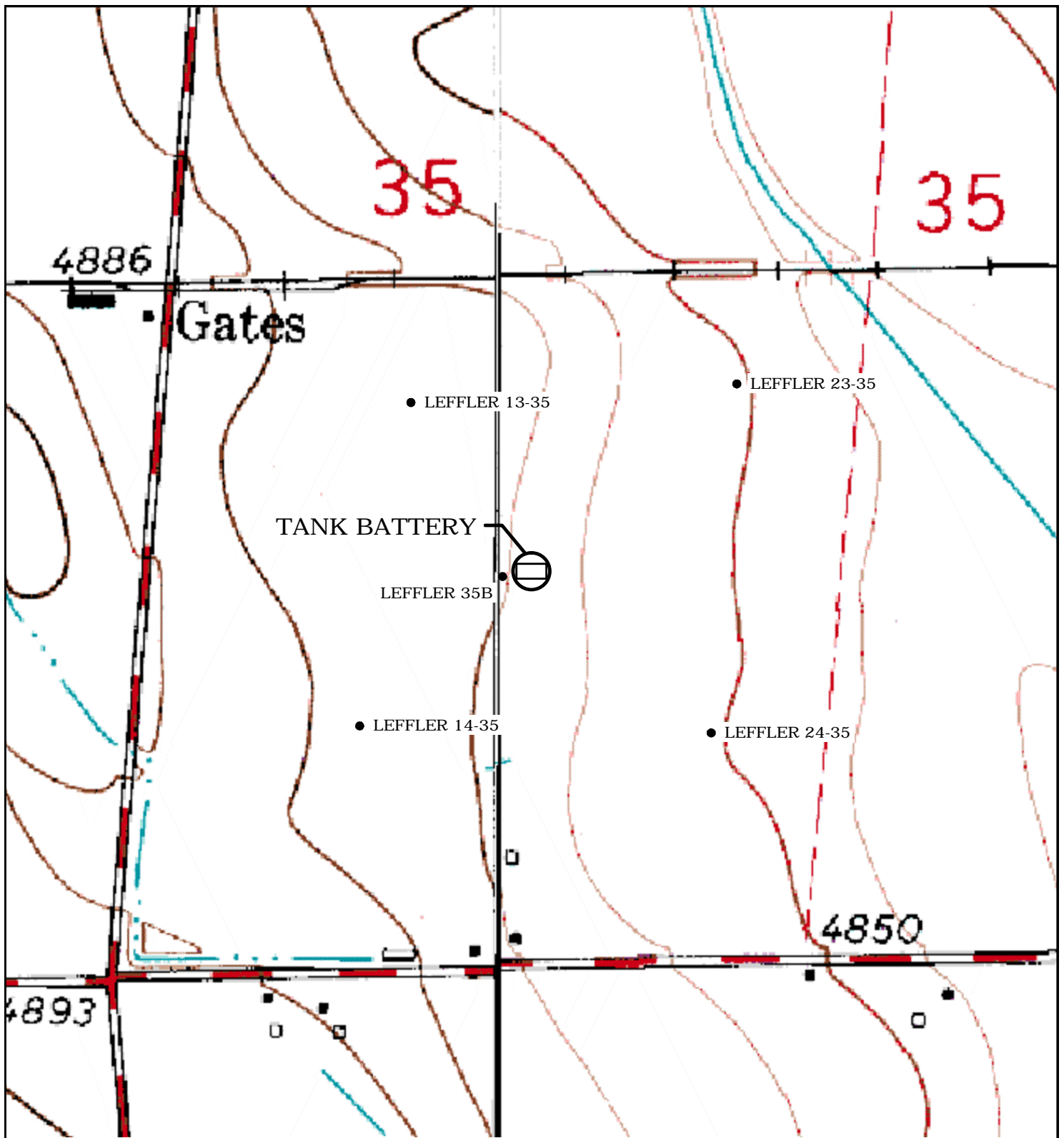
Figure 2 – Site Map

Table 1 – Soil Sample Analytical Results



Table 2 – Groundwater Analytical Results

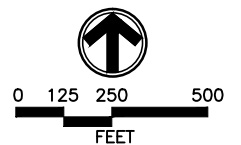
Attachment – Laboratory Analytical Reports

FIGURES



LEGEND

-  TANK BATTERY
-  WELL LOCATION

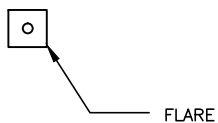
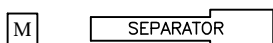
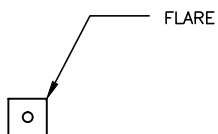


SOURCE: TOPOZONE.COM
USGS 7.5' QUADRANGLE
(NAD27)

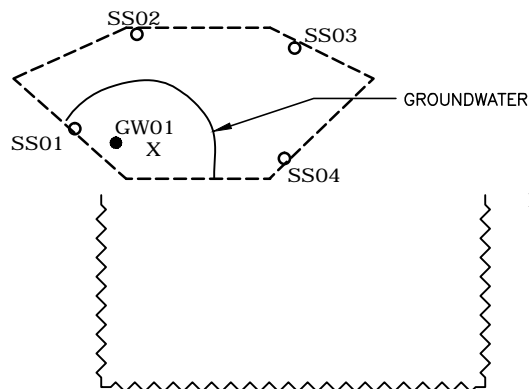
FIGURE 1
SITE LOCATION MAP
LEFFLER 13, 14, 23, 24-35, 35B
C/SW 35-T7N-R66W
WELD COUNTY, CO
PETROLEUM DEVELOPMENT CORPORATION



AGRICULTURE



MW01



MW02

MW03

LEASE ROAD

LEGEND



MONITORING WELL



SOIL SAMPLE



GROUNDWATER SAMPLE



METER HOUSE



RELEASE LOCATION



CORRUGATED STEEL BERM



EXTENT OF EXCAVATION



ESTIMATED GROUNDWATER
FLOW DIRECTION

AGRICULTURE



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, COLORADO
PETROLEUM DEVELOPMENT CORPORATION



0188-110260102

TABLES

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)	Total Xylenes (mg/kg)	Naph- thalene (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
Basic Standards for Soil			0.17	85	100	175	23	500

Notes:

API - American Petroleum Institute

mg/kg - milligrams per kilogram

TPH - total petroleum hydrocarbons (C6-C28)

ft bgs - feet below ground surface

NA - not analyzed

< - less than stated laboratory reporting limit

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

Bold indicates result equalled or exceeded standard.



TABLE 2
GROUNDWATER ANALYTICAL RESULTS
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)	Total Xylenes (ug/L)	Depth to Water (ft btoc)
GW01	02/24/2011	130	280	33	250	NM
MW01	04/12/2011	<1.0	<1.0	<1.0	<1.0	10.13
	07/18/2011	<1.0	<1.0	<1.0	<1.0	7.30
	10/17/2011	<1.0	<1.0	<1.0	<1.0	8.92
	01/23/2012	<1.0	<1.0	<1.0	<1.0	10.20
MW02	04/12/2011	<1.0	<1.0	<1.0	<1.0	11.01
	07/18/2011	<1.0	<1.0	<1.0	<1.0	7.93
	10/17/2011	<1.0	<1.0	<1.0	<1.0	9.82
	01/23/2012	<1.0	<1.0	<1.0	<1.0	10.80
MW03	04/12/2011	<1.0	<1.0	<1.0	<1.0	10.94
	07/18/2011	<1.0	<1.0	<1.0	<1.0	8.00
	10/17/2011	<1.0	<1.0	<1.0	<1.0	9.80
	01/23/2012	<1.0	<1.0	<1.0	<1.0	10.90
Basic Standards for Groundwater:		5	560	700	1400	

Notes:

API - American Petroleum Institute
NA - not analyzed/not available
ug/L - micrograms per Liter

ft btoc - feet below top of casing
NM - not measured
< - less than stated laboratory reporting limit

Basic Standards for Ground Water are from the Colorado Department of Health and Environment -
Water Quality Control Commission Regulation 41, effective 4/1/2009.
Bold indicates result equaled or exceeded standard.



ATTACHMENT
LABORATORY ANALYTICAL REPORTS

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 04, 2012

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 01/23/12 17:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



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:
02/04/12 09:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R201152-01	Water	01/23/12 13:10	01/23/12 17:05
MW02	R201152-02	Water	01/23/12 13:15	01/23/12 17:05
MW03	R201152-03	Water	01/23/12 13:20	01/23/12 17:05

Summit Scientific

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

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

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

Project Number: 0188-11026

Project Manager: Brian Dodek

Reported:

02/04/12 09:56

Summit Scientific

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

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Fax: (303) 433-1432

Sampler Name: TQ

DATE (DD) (MM) (YY)

✓ 2332

Page 1 of 1

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www.s2scientific.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
Project Manager: Brian Dodek

Reported:
02/04/12 09:56

MW01
R201152-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/23/12 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2020106	02/01/12	02/03/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/23/12 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		112 %	57.9-139		"	"	"	"	
Surrogate: Toluene-d8		95.6 %	83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.9 %	80.8-120		"	"	"	"	

Summit Scientific

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



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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B
Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
02/04/12 09:56

MW02
R201152-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/23/12 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2020106	02/01/12	02/03/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/23/12 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		113 %	57.9-139		"	"	"	"	
Surrogate: Toluene-d8		98.3 %	83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.6 %	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:
02/04/12 09:56

MW03
R201152-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/23/12 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	2020106	02/01/12	02/03/12	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **01/23/12 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		110 %		57.9-139		"	"	"	"	
Surrogate: Toluene-d8		95.5 %		83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.6 %		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
Project Manager: Brian Dodek

Reported:
02/04/12 09:56

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 2020106 - EPA 5030 Water MS

Blank (2020106-BLK1)

Prepared: 02/01/12 Analyzed: 02/03/12

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	14.3		"	13.2	108	57.9-139				
Surrogate: Toluene-d8	12.9		"	13.3	96.6	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3	97.1	80.8-120				

LCS (2020106-BS1)

Prepared: 02/01/12 Analyzed: 02/03/12

Benzene	29.6	1.0	ug/l	33.3	88.7	60.1-131			10.9	
Toluene	30.3	1.0	"	33.3	90.8	65.9-127			11.3	
Ethylbenzene	29.8	1.0	"	33.3	89.5	65.1-129			20	
m,p-Xylene	64.8	2.0	"	66.7	97.2	66.8-127			20	
o-Xylene	32.5	1.0	"	33.3	97.4	61.2-120			20	
Surrogate: 1,2-Dichloroethane-d4	14.2		"	13.2	107	57.9-139				
Surrogate: Toluene-d8	13.0		"	13.3	97.4	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3	98.1	80.8-120				

LCS Dup (2020106-BSD1)

Prepared: 02/01/12 Analyzed: 02/03/12

Benzene	29.9	1.0	ug/l	33.3	89.6	60.1-131	1.11		10.9	
Toluene	30.8	1.0	"	33.3	92.3	65.9-127	1.64		11.3	
Ethylbenzene	28.2	1.0	"	33.3	84.8	65.1-129	5.44		20	
m,p-Xylene	62.5	2.0	"	66.7	93.7	66.8-127	3.62		20	
o-Xylene	30.6	1.0	"	33.3	91.9	61.2-120	5.86		20	
Surrogate: 1,2-Dichloroethane-d4	14.4		"	13.2	109	57.9-139				
Surrogate: Toluene-d8	13.9		"	13.3	104	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3	95.1	80.8-120				

Summit Scientific

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



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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B
Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
02/04/12 09:56

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 2020106 - EPA 5030 Water MS

Matrix Spike (2020106-MS1)				Source: R201152-01		Prepared: 02/01/12		Analyzed: 02/03/12		
Benzene	29.4	1.0	ug/l	33.3	ND	88.1	52.7-130		19.3	
Toluene	30.0	1.0	"	33.3	ND	90.2	57-127		18.7	
Ethylbenzene	28.9	1.0	"	33.3	ND	86.8	59.2-127		20	
m,p-Xylene	62.8	2.0	"	66.7	ND	94.2	53.2-132		20	
o-Xylene	31.1	1.0	"	33.3	ND	93.4	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	14.5		"	13.2		110	57.9-139			
Surrogate: Toluene-d8	13.2		"	13.3		99.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.7	80.8-120			
Matrix Spike Dup (2020106-MSD1)				Source: R201152-01		Prepared: 02/01/12		Analyzed: 02/03/12		
Benzene	30.5	1.0	ug/l	33.3	ND	91.6	52.7-130	3.94	19.3	
Toluene	31.7	1.0	"	33.3	ND	95.1	57-127	5.31	18.7	
Ethylbenzene	31.1	1.0	"	33.3	ND	93.2	59.2-127	7.07	20	
m,p-Xylene	67.4	2.0	"	66.7	ND	101	53.2-132	7.08	20	
o-Xylene	33.8	1.0	"	33.3	ND	102	56.3-117	8.37	20	
Surrogate: 1,2-Dichloroethane-d4	14.6		"	13.2		110	57.9-139			
Surrogate: Toluene-d8	13.4		"	13.3		101	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.6	80.8-120			

Summit Scientific

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



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

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

Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
02/04/12 09:56

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

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

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

October 21, 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 10/18/11 16:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



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:
10/21/11 08:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R110107-01	Water	10/17/11 12:50	10/18/11 16:55
MW02	R110107-02	Water	10/17/11 12:25	10/18/11 16:55
MW03	R110107-03	Water	10/17/11 12:40	10/18/11 16:55

Summit Scientific

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

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

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

Project Number: 0188-11026

Project Manager: Brian Dodek

Reported:

10/21/11 08:56

2110107

Summit Scientific

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

Page { of

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Sampler Name: Devin Giv

Project Manager: Brian Dodek

E-Mail: bdodek@ltnv.com

Project Name: Letter 13.14.23 24-35 35B

Project Number: 0188/1026

[illegible]

www.s2scientific.com

Summit Scientific

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



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

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

Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
10/21/11 08:56

MW01
R110107-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 10/17/11 12:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1101909	10/19/11	10/19/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 10/17/11 12:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		84.5 %	57.9-139		"	"	"	"	
Surrogate: Toluene-d8		101 %	83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	80.8-120		"	"	"	"	

Summit Scientific

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



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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B
Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
10/21/11 08:56

MW02
R110107-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/17/11 12:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1101909	10/19/11	10/19/11	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **10/17/11 12:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		84.5 %		57.9-139		"	"	"	"	
Surrogate: Toluene-d8		100 %		83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.1 %		80.8-120		"	"	"	"	

Summit Scientific

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



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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B
Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
10/21/11 08:56

MW03
R110107-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/17/11 12:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1101909	10/19/11	10/20/11	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **10/17/11 12:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		83.1 %		57.9-139		"	"	"	"	
Surrogate: Toluene-d8		99.8 %		83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.1 %		80.8-120		"	"	"	"	

Summit Scientific

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



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

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

Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
10/21/11 08:56

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 1101909 - EPA 5030 Water MS

Blank (1101909-BLK1)

Prepared & Analyzed: 10/19/11

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	15.5		"	13.3	116	57.9-139				
Surrogate: Toluene-d8	13.6		"	13.3	102	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.8		"	13.3	103	80.8-120				

LCS (1101909-BS1)

Prepared & Analyzed: 10/19/11

Benzene	32.9	1.0	ug/l	33.3	98.8	60.1-131			10.9	
Toluene	33.0	1.0	"	33.3	99.0	65.9-127			11.3	
Ethylbenzene	31.6	1.0	"	33.3	94.8	65.1-129			20	
m,p-Xylene	62.8	2.0	"	66.7	94.3	66.8-127			20	
o-Xylene	32.2	1.0	"	33.3	96.6	61.2-120			20	
Surrogate: 1,2-Dichloroethane-d4	14.8		"	13.3	111	57.9-139				
Surrogate: Toluene-d8	13.4		"	13.3	101	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3	98.1	80.8-120				

LCS Dup (1101909-BSD1)

Prepared & Analyzed: 10/19/11

Benzene	33.8	1.0	ug/l	33.3	101	60.1-131	2.46		10.9	
Toluene	33.4	1.0	"	33.3	100	65.9-127	1.29		11.3	
Ethylbenzene	32.7	1.0	"	33.3	98.0	65.1-129	3.33		20	
m,p-Xylene	65.2	2.0	"	66.7	97.7	66.8-127	3.61		20	
o-Xylene	33.3	1.0	"	33.3	99.8	61.2-120	3.27		20	
Surrogate: 1,2-Dichloroethane-d4	14.4		"	13.3	108	57.9-139				
Surrogate: Toluene-d8	13.2		"	13.3	99.2	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3	97.2	80.8-120				

Summit Scientific

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



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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B
Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
10/21/11 08:56

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 1101909 - EPA 5030 Water MS

Matrix Spike (1101909-MS1)				Source: R110107-01		Prepared & Analyzed: 10/19/11				
Benzene	34.8	1.0	ug/l	33.3	ND	104	52.7-130		19.3	
Toluene	35.2	1.0	"	33.3	ND	106	57-127		18.7	
Ethylbenzene	34.3	1.0	"	33.3	ND	103	59.2-127		20	
m,p-Xylene	68.2	2.0	"	66.7	ND	102	53.2-132		20	
o-Xylene	34.1	1.0	"	33.3	ND	102	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	11.3		"	13.3		84.9	57.9-139			
Surrogate: Toluene-d8	13.5		"	13.3		101	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.0	80.8-120			
Matrix Spike Dup (1101909-MSD1)				Source: R110107-01		Prepared & Analyzed: 10/19/11				
Benzene	33.9	1.0	ug/l	33.3	ND	102	52.7-130	2.59	19.3	
Toluene	34.3	1.0	"	33.3	ND	103	57-127	2.45	18.7	
Ethylbenzene	34.5	1.0	"	33.3	ND	103	59.2-127	0.465	20	
m,p-Xylene	69.1	2.0	"	66.7	ND	104	53.2-132	1.27	20	
o-Xylene	34.7	1.0	"	33.3	ND	104	56.3-117	1.86	20	
Surrogate: 1,2-Dichloroethane-d4	10.9		"	13.3		82.0	57.9-139			
Surrogate: Toluene-d8	13.1		"	13.3		98.0	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.5	80.8-120			

Summit Scientific

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



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

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

Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
10/21/11 08:56

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

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

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 21, 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 07/18/11 16:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



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:
07/21/11 13:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R107097-01	Water	07/18/11 10:35	07/18/11 16:50
MW02	R107097-02	Water	07/18/11 10:40	07/18/11 16:50
MW03	R107097-03	Water	07/18/11 10:45	07/18/11 16:50

Summit Scientific

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

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

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

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

Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
07/21/11 13:43

R107097

Summit Scientific

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

Client: LT Environmental, Inc.
 Address: 4600 West 60th Avenue
 City/State/Zip: Arvada CO 80003
 Phone: (303) 433-9788
 Fax: (303) 433-1432
 Project Name: 6661613142324-551358
 Project Number: 0881086
 Project Manager: Brian Dodek
 E-Mail: bdodek@ltenv.com

[illegible]

www.s2scientific.com

Summit Scientific

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





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

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

Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
07/21/11 13:43

MW01
R107097-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/18/11 10:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1071911	07/19/11	07/20/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 07/18/11 10:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.3 %	57.9-139		"	"	"	"	
Surrogate: Toluene-d8		91.7 %	83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.9 %	80.8-120		"	"	"	"	

Summit Scientific

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



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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B
Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
07/21/11 13:43

MW02
R107097-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/18/11 10:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1071911	07/19/11	07/20/11	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **07/18/11 10:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		87.8 %		57.9-139		"	"	"	"	
Surrogate: Toluene-d8		87.0 %		83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.0 %		80.8-120		"	"	"	"	

Summit Scientific

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



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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B
Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
07/21/11 13:43

MW03
R107097-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/18/11 10:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1071911	07/19/11	07/20/11	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **07/18/11 10:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		100 %		57.9-139		"	"	"	"	
Surrogate: Toluene-d8		91.7 %		83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %		80.8-120		"	"	"	"	

Summit Scientific

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



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

Project: PDC - Leffler 13, 14, 23, 24-35, 35B
Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
07/21/11 13:43

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 1071911 - EPA 5030 Water MS

Blank (1071911-BLK1)

Prepared & Analyzed: 07/19/11

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.1		"	13.3		90.5	57.9-139			
Surrogate: Toluene-d8	12.0		"	13.3		90.2	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.2	80.8-120			

LCS (1071911-BS1)

Prepared & Analyzed: 07/19/11

Benzene	27.6	1.0	ug/l	33.3		82.7	60.1-131		10.9	
Toluene	28.0	1.0	"	33.3		84.2	65.9-127		11.3	
Ethylbenzene	31.2	1.0	"	33.3		93.5	65.1-129		20	
m,p-Xylene	64.4	2.0	"	66.7		96.5	66.8-127		20	
o-Xylene	32.4	1.0	"	33.3		97.1	61.2-120		20	
Surrogate: 1,2-Dichloroethane-d4	12.1		"	13.3		90.9	57.9-139			
Surrogate: Toluene-d8	12.3		"	13.3		92.6	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.6	80.8-120			

LCS Dup (1071911-BSD1)

Prepared & Analyzed: 07/19/11

Benzene	27.6	1.0	ug/l	33.3		82.9	60.1-131	0.181	10.9	
Toluene	27.9	1.0	"	33.3		83.6	65.9-127	0.680	11.3	
Ethylbenzene	31.3	1.0	"	33.3		93.8	65.1-129	0.320	20	
m,p-Xylene	64.3	2.0	"	66.7		96.5	66.8-127	0.0311	20	
o-Xylene	32.1	1.0	"	33.3		96.2	61.2-120	0.838	20	
Surrogate: 1,2-Dichloroethane-d4	12.1		"	13.3		90.5	57.9-139			
Surrogate: Toluene-d8	12.1		"	13.3		90.8	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.2		"	13.3		91.7	80.8-120			

Summit Scientific

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

Page 6 of 8



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:
07/21/11 13:43

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 1071911 - EPA 5030 Water MS

Matrix Spike (1071911-MS1)				Source: R107091-01		Prepared & Analyzed: 07/19/11				
Benzene	27.6	1.0	ug/l	33.3	ND	82.7	52.7-130		19.3	
Toluene	27.8	1.0	"	33.3	ND	83.4	57-127		18.7	
Ethylbenzene	31.1	1.0	"	33.3	ND	93.4	59.2-127		20	
m,p-Xylene	64.7	2.0	"	66.7	ND	97.1	53.2-132		20	
o-Xylene	31.5	1.0	"	33.3	ND	94.5	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	12.8		"	13.3		95.6	57.9-139			
Surrogate: Toluene-d8	12.1		"	13.3		90.5	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.3	80.8-120			
Matrix Spike Dup (1071911-MSD1)				Source: R107091-01		Prepared & Analyzed: 07/19/11				
Benzene	27.3	1.0	ug/l	33.3	ND	81.9	52.7-130	0.875	19.3	
Toluene	28.5	1.0	"	33.3	ND	85.6	57-127	2.52	18.7	
Ethylbenzene	31.5	1.0	"	33.3	ND	94.5	59.2-127	1.25	20	
m,p-Xylene	65.1	2.0	"	66.7	ND	97.6	53.2-132	0.586	20	
o-Xylene	32.3	1.0	"	33.3	ND	96.9	56.3-117	2.45	20	
Surrogate: 1,2-Dichloroethane-d4	12.6		"	13.3		94.9	57.9-139			
Surrogate: Toluene-d8	12.6		"	13.3		94.4	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		94.0	80.8-120			

Summit Scientific

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



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

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

Project Number: 0188-11026
Project Manager: Brian Dodek

Reported:
07/21/11 13:43

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

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

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

Summit Scientific

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' followed by a long horizontal stroke.

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

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

R104070

Summit Scientific

52

7741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-277-9531 Fax

Page of

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Sampler Name: T S 10-1

Sampler Name: Jensen

Project Manager: Brian Dodek

E-Mail: bdodek@itenv.com

Project Name: 1 effler 13.14.

Project Name:	25101121
Project Number:	218811076

Project Number: 018811026

Sample Description		Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:				Special Instructions				
					HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO	GBTEX	BTEX		Table 9.10 Full	Table 9.10 Short	PH / EC	SAR
MUC1		4-12-11	1130	3	X				X						X					
MUC2		4-12-11	1150	3	X				X						X					
MUC3		4-12-11	1210	3	X				X						X					
Requisitioned by:	Date/Time:	4-12-11	430pm		Received by: <i>[Signature]</i>				Date/Time:	4-12-11	430p	Turn Around Time (Check)				<input type="checkbox"/> Same Day <input type="checkbox"/> 24 Hours <input checked="" type="checkbox"/> 72 Hours <input type="checkbox"/> Standard				Notes:
Requisitioned by:	Date/Time:				Received by:				Date/Time:			Sample Integrity:				Temperature Upon Receipt: <u>5.1</u> Intact: <u>Yes</u> / No				
Requisitioned by:	Date/Time:				Received in Lab by:				Date/Time:											

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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		"	"	"	"	

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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		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
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		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		103 %		57.9-139		"	"	"	"	
Surrogate: Toluene-d8		99.8 %		83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.6 %		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
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		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
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		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		104 %		57.9-139		"	"	"	"	
Surrogate: Toluene-d8		99.2 %		83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %		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
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	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

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	"							
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		100	57.9-139			
Surrogate: Toluene-d8	13.2		"	13.3		99.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.2	80.8-120			

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	
Surrogate: 1,2-Dichloroethane-d4	13.5		"	13.3		101	57.9-139			
Surrogate: Toluene-d8	13.3		"	13.3		99.6	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.0	80.8-120			

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	
Surrogate: 1,2-Dichloroethane-d4	13.5		"	13.3		101	57.9-139			
Surrogate: Toluene-d8	13.4		"	13.3		100	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	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
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	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

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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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

Summit Scientific

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

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.

Summit Scientific

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 blue ink, appearing to be 'PS' followed by a long, sweeping horizontal line.

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 70237

52

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

Page 1 of 1

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Sampler Name: Davis

EXAMPLE 1.1.1. \mathbb{R}^n is a vector space over \mathbb{R} .

Project Manager: Brian Dodek

E-Mail: bdodek@itenv.com

Project Name: 0484026-05-06-06

Project Number: A881026.05

Project Number: 01001788010

Preservative				Matrix				Analyze For:				Special Instructions						
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO	GBTEX / <i>Maple</i>	Table 9.10 Full	Table 9.10 Short	PH / EC	SAR		
				X			X					X	X					
Relinquished by:	Date Time:	Received by:	Date Time:	Turn Around Time (Check)								Notes:						
<i>Johnston</i>	<i>2-24-11</i>	<i>[Signature]</i>	<i>2/24/11 5:00</i>	<input type="checkbox"/> Same Day <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Standard														
Relinquished by:	Date Time:	Received by:	Date Time:	Sample Integrity:								Temperature Upon Receipt: <i>5</i> / <i>4</i>						
				Received in Lab by: <i>[Signature]</i>								Intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						

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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
Benzene	130	1.0	ug/l	1	1022506	02/25/11	02/26/11	EPA 8260B	
Toluene	280	1.0	"	"	"	"	"	"	
Ethylbenzene	33	1.0	"	"	"	"	"	"	
Xylenes (total)	250	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>		<i>118 %</i>	<i>57.9-139</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>99.0 %</i>	<i>83.1-115</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>109 %</i>	<i>80.8-120</i>		"	"	"	"	

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

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		"	"	"	"	

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

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		"	"	"	"	

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

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	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1022511 - EPA 3550A

Blank (1022511-BLK1)

Prepared & Analyzed: 02/25/11

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.9 " 12.5 103 88.8-124

LCS (1022511-BS1)

Prepared & Analyzed: 02/25/11

C10-C28 (DRO) 526 50 mg/kg 501 105 81.4-129 9.26

LCS Dup (1022511-BSD1)

Prepared & Analyzed: 02/25/11

C10-C28 (DRO) 523 50 mg/kg 501 104 81.4-129 0.622 9.26

Matrix Spike (1022511-MS1)

Source: R102137-02

Prepared & Analyzed: 02/25/11

C10-C28 (DRO) 504 50 mg/kg 501 20.6 96.5 77.8-133 8.48

Matrix Spike Dup (1022511-MSD1)

Source: R102137-02

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

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	"							
Surrogate: 1,2-Dichloroethane-d4	15.7		"	13.3		118	57.9-139			
Surrogate: Toluene-d8	13.1		"	13.3		98.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	14.0		"	13.3		105	80.8-120			

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	"							
Surrogate: 1,2-Dichloroethane-d4	15.5		"	13.3		116	57.9-139			
Surrogate: Toluene-d8	13.1		"	13.3		98.5	83.1-115			
Surrogate: 4-Bromofluorobenzene	14.2		"	13.3		106	80.8-120			

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	
Surrogate: 1,2-Dichloroethane-d4	15.9		"	13.3		119	57.9-139			
Surrogate: Toluene-d8	13.1		"	13.3		98.1	83.1-115			
Surrogate: 4-Bromofluorobenzene	14.2		"	13.3		106	80.8-120			

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	
Surrogate: 1,2-Dichloroethane-d4	15.9		"	13.3		119	57.9-139			
Surrogate: Toluene-d8	13.1		"	13.3		98.6	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.9		"	13.3		104	80.8-120			

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LT Environmental, Inc.
4600 West 60th Avenue
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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

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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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
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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			

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

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	"							
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	67.4-143			
Surrogate: Toluene-d8	0.0378		"	0.0400		94.4	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0387		"	0.0400		96.8	78.4-125			

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	
Surrogate: 1,2-Dichloroethane-d4	0.0442		"	0.0400		111	67.4-143			
Surrogate: Toluene-d8	0.0377		"	0.0400		94.4	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0374		"	0.0400		93.4	78.4-125			

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	
Surrogate: 1,2-Dichloroethane-d4	0.0476		"	0.0400		119	67.4-143			
Surrogate: Toluene-d8	0.0384		"	0.0400		96.0	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0364		"	0.0400		91.0	78.4-125			

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

Batch 1022510 - EPA 5030 Soil MS

Matrix Spike Dup (1022510-MSD1)		Source: R102137-02		Prepared: 02/25/11		Analyzed: 02/26/11				
Naphthalene	ND	0.0050	mg/kg		0.00		26.4-144		20	
Benzene	0.0964	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	
Surrogate: 1,2-Dichloroethane-d4	0.0479		"	0.0400		120	67.4-143			
Surrogate: Toluene-d8	0.0388		"	0.0400		97.0	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0400		95.8	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

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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