

State of Colorado
Oil and Gas Conservation Commission

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



FOR OGCC USE ONLY
RECEIVED
DEC 13 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: Rem #4212

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 Name of Operator: <u>Petroleum Development Corporation</u> Address: <u>1775 Sherman Street, Suite 3000</u> City: <u>Denver</u> State: <u>CO</u> Zip: <u>80203</u>		Contact Name and Telephone Name: <u>Brandon Bruns</u> No: <u>(303) 860-5800</u> Fax: <u>(303) 860-5838</u>	
API/Facility No: <u>05-123-11273</u> Facility Name: <u>Bunyan I</u> Well Name: <u>Bunyan</u>		County: <u>Weld</u> Facility Number: _____ Well Number: <u>I</u>	
Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>NESW Sec 21 T4N R67W 6th PM</u> Latitude: _____ Longitude: _____			

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc.): Condensate and Produced Water

Site Conditions: Is location within a sensitive area (according to Rule 901e)? Y 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: Wiley-Colby complex, 1 to 3 percent slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Surface water is located 1,900' south of the site; a building is located 1,360' north of the site; a water well is located 2,640' west of the site; and depth to groundwater is 12' 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	<u>40' N-S x 50' E-W x 13' bgs</u>	<u>Laboratory analysis and field screening of soil samples</u>
<input type="checkbox"/> Vegetation	_____	_____
<input checked="" type="checkbox"/> Groundwater	<u>See attached data</u>	<u>Laboratory analysis of groundwater samples</u>
<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 January 10, 2008 (Spill #1981118). A Form 27 was submitted on April 21, 2008 (Remediation #4212).

Describe how source is to be removed:
Described in previous Form 27.

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.:
Described in previous Form 27.

State of Colorado
Oil and Gas Conservation Commission

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



REMEDIATION WORKPLAN (CONT.)

OGCC Employee: Axelson

Tracking Number: Rem # 4212
 Name of Operator: Petroleum Development Corporation
 OGCC Operator No: 69175
 Received Date: 12/13/11
 Well Name & No: Bunyan 1
 Facility Name & No.: Bunyan 1

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):
 Monitoring wells MW01 through MW04 were installed at the site on February 26, 2008 (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 benzene concentration in groundwater in monitoring well MW03 was not in compliance with the Reg. 41 standard. Concentrations of the remaining analytes in MW03 and the BTEX concentrations in groundwater in monitoring well MW01 (MW02 and MW04 were dry and could not be sampled) were in compliance with the Reg. 41 standards (Table 2). The monitoring wells were sampled on a quarterly basis until December 2008, when it was determined that an additional point of compliance (POC) was needed. Monitoring well MW05 was installed on December 30, 2008 (Figure 2). Following installation, the well was developed, purged, and sampled. A groundwater sample was collected from the well and submitted for laboratory analysis of BTEX by EPA Method 8260B. Laboratory results indicated the BTEX concentrations in groundwater in monitoring well MW05 were below laboratory reporting limits and in compliance with the Reg. 41 standards. The monitoring wells were sampled on a quarterly basis until April 2011, when it was determined that an additional POC was needed due to elevated benzene concentrations that were observed in monitoring wells MW03 and MW04 during previous sampling events. Monitoring well MW06 and replacement monitoring well MW05R were installed on April 18, 2011 (Figure 2). Following installation, each well was developed, purged, and sampled. A groundwater sample was collected from each well and submitted for laboratory analysis of BTEX by EPA Method 8260B. Laboratory results indicated the BTEX concentrations in groundwater in monitoring wells MW05R and MW06 were below laboratory reporting limits and in compliance with the 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.

PDC conducted enhanced fluid recovery (EFR) on July 19 and October 5, 2011 at the site to address groundwater impacts at well MW03. EFR is an aggressive remediation technology that uses high vacuums to extract groundwater and soil gas from the subsurface. EFR is effective at addressing soil and groundwater impacts in low porosity soils. Following the EFR event in July, laboratory analytical results indicated that benzene concentrations in MW03 decreased by more than half (Table 2). The next scheduled quarterly groundwater monitoring event is planned for December 2011. Groundwater concentrations will be evaluated to see if the additional EFR event in October further decreased benzene concentrations in MW03. 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 deconstructed and moved the tank battery from its previous location.

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 results from the most recent quarterly sampling event indicate the benzene concentration in groundwater in monitoring well MW03 is not in compliance with the Reg. 41 standard. Concentrations of the remaining analytes in MW03 and the BTEX concentrations in monitoring wells MW01 through MW06 (MW04 was dry and could not be sampled) were below laboratory reporting limits and in compliance with the 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.

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):
 Described in previous Form 27.

IMPLEMENTATION SCHEDULE

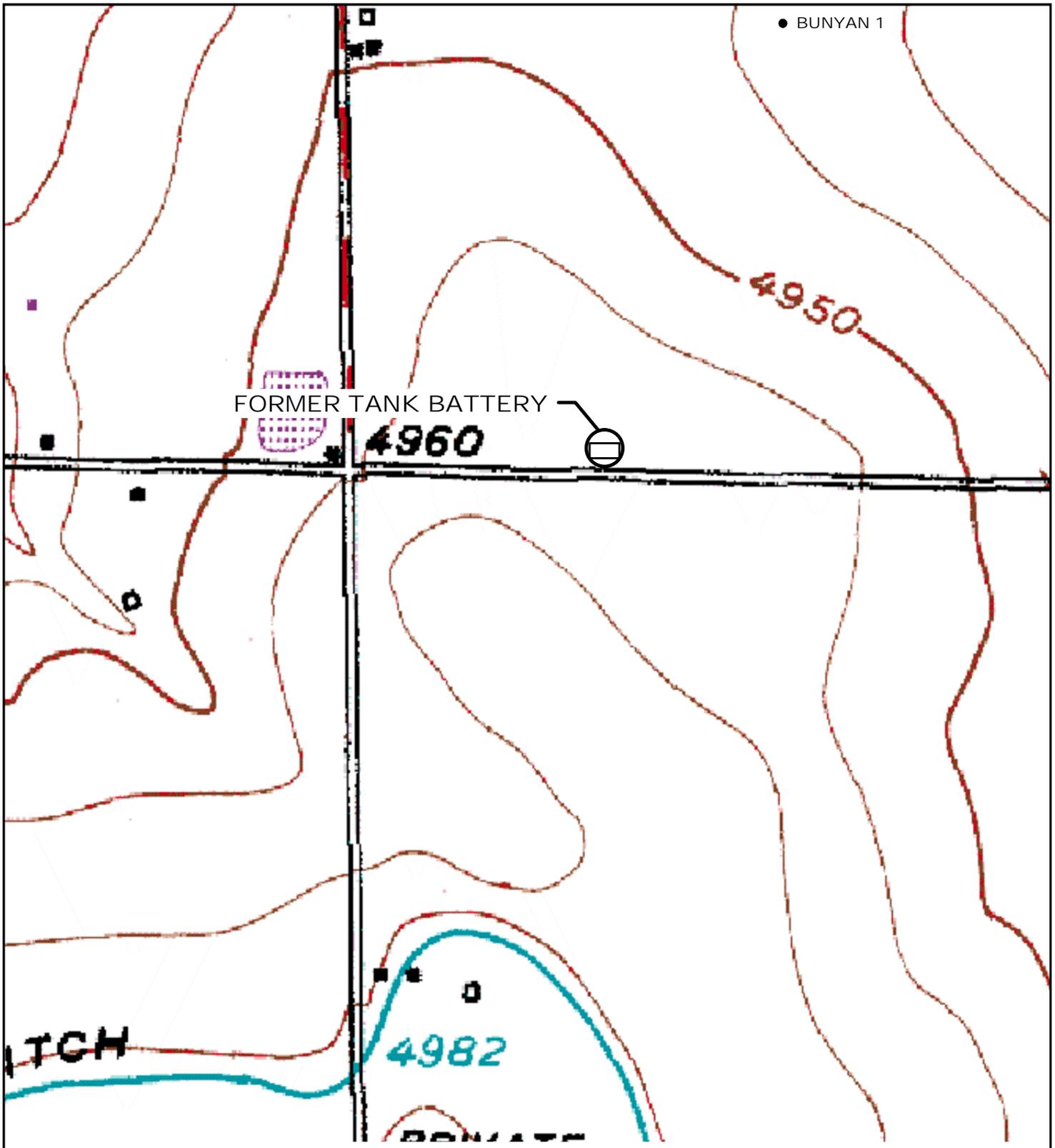
Date Site Investigation Began:	<u>1/4/2008</u>	Date Site Investigation Completed:	<u>4/19/2011</u>	Remediation Plan Submitted:	<u>12/13/2011</u>
Remediation Start Date:	<u>1/7/2008</u>	Anticipated Completion Date:	<u>NA</u>	Actual Completion Date:	<u>TBD</u>

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: [Signature] Title: EHS Professional Date: 12/13/2011

OGCC Approved: [Signature] Title: EPS Date: 12/13/11



FORMER TANK BATTERY

● BUNYAN 1

4960

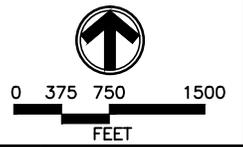
4950

4982

ATCH

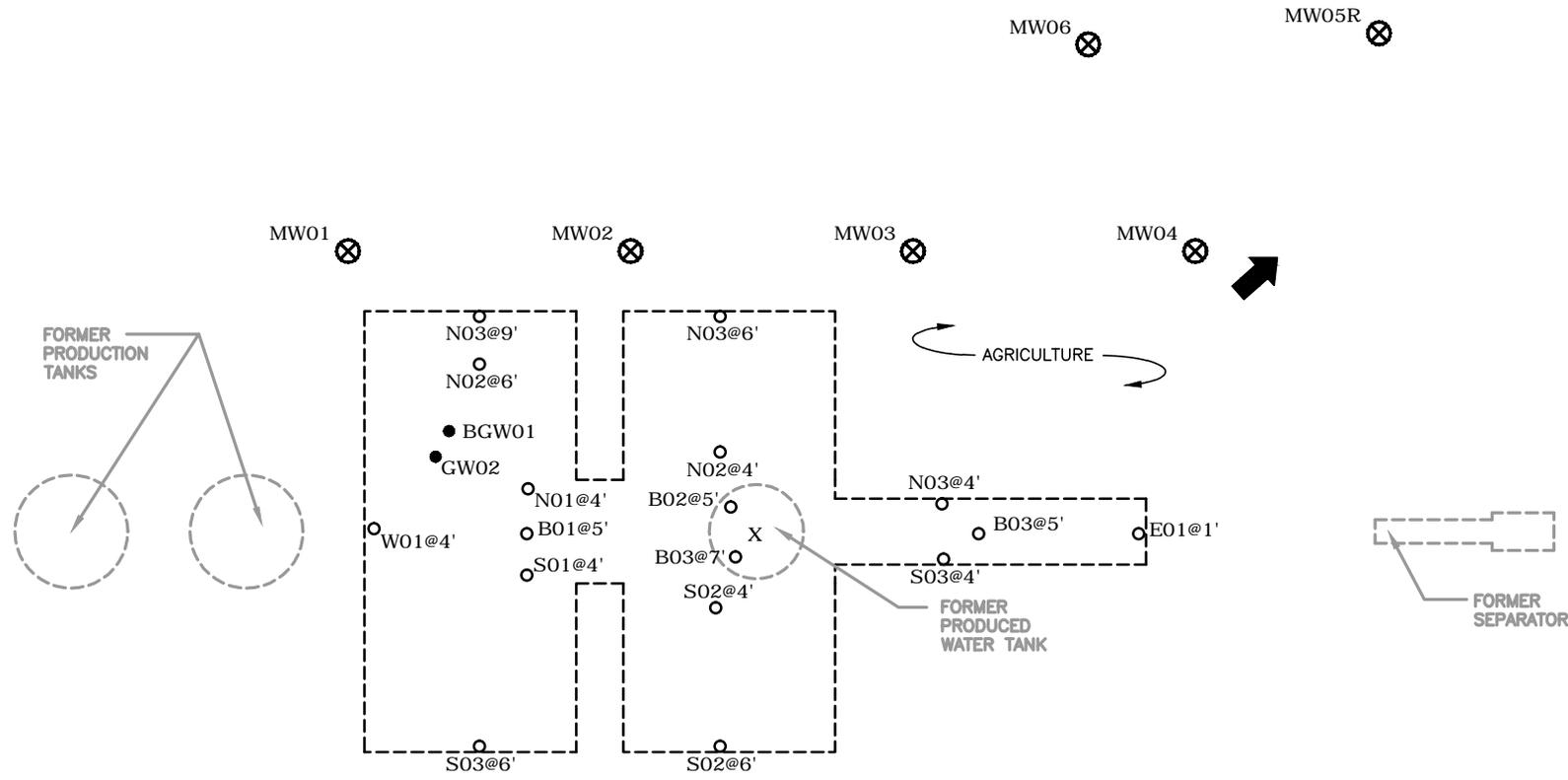
LEGEND

- TANK BATTERY
- WELL LOCATION



SOURCE: TOPOZONE.COM
 USGS 7.5" QUADRANGLE
 JOHNS TOWN, CO 1988
 (NAD27)

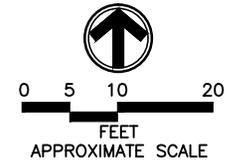
<p>FIGURE 1 SITE LOCATION MAP BUNYAN No. 1 NESW 21-T4N-R67W WELD COUNTY, CO PETROLEUM DEVELOPMENT CORPORATION</p>	
<p>PDC087602_SL 4/11</p>	



WCR 42

LEGEND

- ⊗ MONITORING WELL
- SOIL SAMPLE
- EXCAVATION GROUNDWATER SAMPLE
- X RELEASE
- - - - - EXTENT OF EXCAVATION
- ➔ ESTIMATED GROUNDWATER FLOW DIRECTION



**FIGURE 2
SITE MAP
BUNYAN No. 1
NESW 21-T4N-R67W
WELD COUNTY, CO
PETROLEUM DEVELOPMENT CORPORATION**



PDC087603

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
BUNYAN 1 (API No. 05-123-11273)
WELD COUNTY
PETROLEUM DEVELOPMENT CORPORATION

Sample ID	Depth (ft bgs)	Date Sampled	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	TPH (mg/kg)
B01	5	01/04/2008	NA	NA	NA	NA	4400
B02	5	01/04/2008	NA	NA	NA	NA	1900
B03	5	01/04/2008	NA	NA	NA	NA	<100
	7	01/11/2008	NA	NA	NA	NA	2600
E01	1	01/04/2008	NA	NA	NA	NA	<100
N01	4	01/04/2008	NA	NA	NA	NA	<100
N02	4	01/04/2008	NA	NA	NA	NA	3600
	6	01/10/2008	NA	NA	NA	NA	960
N03	4	01/04/2008	NA	NA	NA	NA	<100
	6	01/10/2008	NA	NA	NA	NA	<100
	9	01/11/2008	NA	NA	NA	NA	<100
S01	4	01/04/2008	NA	NA	NA	NA	2070
S02	4	01/04/2008	NA	NA	NA	NA	5200
	6	01/10/2008	NA	NA	NA	NA	120
S03	4	01/04/2008	NA	NA	NA	NA	<100
	6	01/10/2008	NA	NA	NA	NA	<100
W01	4	01/04/2008	NA	NA	NA	NA	<100
COGCC Sensitive Area Standard			NS	NS	NS	NS	1000

Notes: < - less than stated laboratory reporting limit
TPH - Total Petroleum Hydrocarbons (C6-C28)
API - American Petroleum Institute

NA - Not Analyzed
NS - No Standard
mg/kg - milligrams per kilogram
ft bgs - feet below ground surface

Bold numbers indicate result equalled or exceeded standard.

COGCC Sensitive Area Standard is taken from COGCC Table 910-1, prior to April 1, 2009.



TABLE 2
GROUNDWATER ANALYTICAL RESULTS AND FIELD PARAMETERS
BUNYAN 1 (API No. 05-123-11273)
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)
BGW01	01/10/2008	4200	1.8	450	2900	NM
GW02	01/16/2008	1700	26	330	2800	NM
MW01	02/27/2008	<1.0	<1.0	<1.0	<1.0	14.90
	06/26/2008	<1.0	<1.0	<1.0	<1.0	12.92
	09/24/2008	<1.0	<1.0	<1.0	<1.0	11.43
	12/10/2008	<1.0	<1.0	<1.0	<1.0	12.52
	03/18/2009	<1.0	<1.0	<1.0	<1.0	12.91
	06/18/2009	<1.0	<1.0	<1.0	<1.0	12.73
	09/24/2009	<1.0	<1.0	<1.0	<1.0	11.77
	12/08/2009	<1.0	<1.0	<1.0	<1.0	13.50
	03/19/2010	<1.0	<1.0	<1.0	<1.0	14.22
	06/28/2010	<1.0	<1.0	<1.0	<1.0	12.72
	09/16/2010	<1.0	<1.0	<1.0	<1.0	8.75
	12/08/2010	<1.0	<1.0	<1.0	<1.0	NM
	03/03/2011	<1.0	<1.0	<1.0	<1.0	12.00
	06/07/2011	<1.0	<1.0	<1.0	<1.0	11.84
09/27/2011	<1.0	<1.0	<1.0	<1.0	7.47	
MW02	02/27/2008	Dry - Not Sampled				
	06/26/2008	<1.0	<1.0	<1.0	<1.0	13.40
	09/24/2008	<1.0	<1.0	<1.0	<1.0	11.93
	12/10/2008	<1.0	<1.0	<1.0	<1.0	13.12
	03/18/2009	Dry - Not Sampled				
	06/18/2009	Dry - Not Sampled				
	09/24/2009	<1.0	<1.0	<1.0	<1.0	12.26
	12/08/2009	Dry - Not Sampled				
	03/19/2010	Dry - Not Sampled				
	06/28/2010	Dry - Not Sampled				
	09/16/2010	<1.0	<1.0	<1.0	<1.0	9.45
	12/08/2010	<1.0	<1.0	<1.0	<1.0	NM
	03/03/2011	<1.0	<1.0	<1.0	<1.0	12.80
	06/07/2011	<1.0	<1.0	<1.0	<1.0	12.75
09/27/2011	<1.0	<1.0	<1.0	<1.0	8.30	
MW03	02/27/2008	50	<1.0	13	30	12.70
	06/26/2008	100	<1.0	6.0	<1.0	13.52
	09/24/2008	120	<1.0	110	220	11.73
	12/10/2008	230	<1.0	140	200	13.05
	03/18/2009	70	<1.0	14	220	14.13
	06/18/2009	200	<1.0	110	320	13.64
	09/24/2009	200	<1.0	63	200	12.19
	12/08/2009	130	<1.0	6.1	<1.0	14.02
	03/19/2010	2.1	<1.0	<1.0	<1.0	14.70
	06/28/2010	83	<1.0	14	140	13.52
	09/16/2010	53	<1.0	43	19	9.37
	12/08/2010	22	<1.0	14	33	NM
	03/03/2011	170	<1.0	94	300	12.80



TABLE 2 (Continued)
GROUNDWATER ANALYTICAL RESULTS AND FIELD PARAMETERS
BUNYAN 1 (API No. 05-123-11273)
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)	
MW03	06/07/2011	180	<1.0	130	420	12.66	
	07/28/2011	74	<1.0	58	160	NM	
	09/27/2011	30	<1.0	46	150	8.14	
MW04	02/27/2008	Dry - Not Sampled					
	06/26/2008	Dry - Not Sampled					
	09/24/2008	35	<1.0	5.6	<1.0	11.81	
	12/10/2008	230	<1.0	130	350	13.30	
	03/18/2009	Dry - Not Sampled					
	06/18/2009	Dry - Not Sampled					
	09/24/2009	Dry - Not Sampled					
	12/08/2009	Dry - Not Sampled					
	03/19/2010	Dry - Not Sampled					
	06/28/2010	Dry - Not Sampled					
	09/16/2010	<1.0	<1.0	<1.0	<1.0	9.82	
	12/08/2010	3.8	<1.0	<1.0	<1.0	NM	
	03/03/2011	Dry - Not Sampled					
	06/07/2011	<1.0	<1.0	<1.0	<1.0	0.00	
09/27/2011	<1.0	<1.0	<1.0	<1.0	NM		
MW05	01/06/2009	<1.0	<1.0	<1.0	<1.0	13.50	
	03/18/2009	<1.0	<1.0	<1.0	<1.0	14.95	
	06/18/2009	<1.0	<1.0	<1.0	<1.0	14.25	
	09/24/2009	<1.0	<1.0	<1.0	<1.0	NM	
	12/08/2009	<1.0	<1.0	<1.0	<1.0	NM	
	03/19/2010	Damaged - Not Sampled					
	06/28/2010	Damaged - Not Sampled					
	09/16/2010	Damaged - Not Sampled					
	12/08/2010	Damaged - Not Sampled					
	03/03/2011	Damaged - Not Sampled					
MW05R	04/19/2011	<1.0	<1.0	<1.0	<1.0	11.83	
	06/07/2011	<1.0	<1.0	<1.0	<1.0	11.38	
	09/27/2011	<1.0	<1.0	<1.0	<1.0	6.87	
MW06	04/19/2011	<1.0	<1.0	<1.0	<1.0	11.51	
	06/07/2011	<1.0	<1.0	<1.0	<1.0	10.99	
	09/27/2011	<1.0	<1.0	<1.0	<1.0	6.61	
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

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.



Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 07, 2008

John Peterson
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 06/30/08 13:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'BS', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury
Vice President / Laboratory Director



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

Project: PDC - Bunyan No.1

Project Number: PDC 08076
Project Manager: John Peterson

Reported:
07/07/08 09:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW03	R807002-01	Water	06/26/08 13:30	06/30/08 13:40
MW02	R807002-02	Water	06/26/08 13:20	06/30/08 13:40
MW01	R807002-03	Water	06/26/08 13:10	06/30/08 13:40

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 - Bunyan No.1

Project Number: PDC 08076
Project Manager: John Peterson

Reported:
07/07/08 09:16

MW03
R807002-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/26/08 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	100	1.0	ug/l	1	8070305	07/03/08	07/06/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	6.0	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/26/08 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		82.7 %	80-120		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.7 %	92.1-106		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.2 %	84.5-110		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC 08076
 Project Manager: John Peterson

Reported:
 07/07/08 09:16

MW02
R807002-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/26/08 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8070305	07/03/08	07/06/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/26/08 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>105 %</i>	<i>80-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>97.0 %</i>	<i>92.1-106</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>94.7 %</i>	<i>84.5-110</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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 - Bunyan No.1

Project Number: PDC 08076
 Project Manager: John Peterson

Reported:
 07/07/08 09:16

MW01
R807002-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/26/08 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8070305	07/03/08	07/06/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/26/08 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.5 %	80-120		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.0 %	92.1-106		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.0 %	84.5-110		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC 08076
Project Manager: John Peterson

Reported:
07/07/08 09:16

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 8070305 - EPA 5030 Water MS

Blank (8070305-BLK1)

Prepared: 07/03/08 Analyzed: 07/05/08

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	11.6		"	13.3		87.2	80-120				
Surrogate: Toluene-d8	12.8		"	13.3		96.2	92.1-106				
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.7	84.5-110				

LCS (8070305-BS1)

Prepared: 07/03/08 Analyzed: 07/05/08

Benzene	32.4	1.0	ug/l	33.3		97.3	61.4-110				
Toluene	35.4	1.0	"	33.3		106	54.2-116				
Surrogate: 1,2-Dichloroethane-d4	11.3		"	13.3		85.0	80-120				
Surrogate: Toluene-d8	12.9		"	13.3		97.0	92.1-106				
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.7	84.5-110				

LCS Dup (8070305-BSD1)

Prepared: 07/03/08 Analyzed: 07/05/08

Benzene	32.4	1.0	ug/l	33.3		97.3	61.4-110	0.00	11.8		
Toluene	35.5	1.0	"	33.3		107	54.2-116	0.282	12.2		
Surrogate: 1,2-Dichloroethane-d4	11.3		"	13.3		85.0	80-120				
Surrogate: Toluene-d8	12.9		"	13.3		97.0	92.1-106				
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.7	84.5-110				

Matrix Spike (8070305-MS1)

Source: R807001-01

Prepared: 07/03/08 Analyzed: 07/05/08

Benzene	32.2	1.0	ug/l	33.3	ND	96.7	61.5-109				
Toluene	35.3	1.0	"	33.3	ND	106	55.6-113				
Surrogate: 1,2-Dichloroethane-d4	12.8		"	13.3		96.2	80-120				
Surrogate: Toluene-d8	13.0		"	13.3		97.7	92.1-106				
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.5	84.5-110				

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 - Bunyan No.1

Project Number: PDC 08076
 Project Manager: John Peterson

Reported:
 07/07/08 09:16

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 8070305 - EPA 5030 Water MS

Matrix Spike Dup (8070305-MSD1)	Source: R807001-01			Prepared: 07/03/08		Analyzed: 07/05/08				
Benzene	31.2	1.0	ug/l	33.3	ND	93.7	61.5-109	3.15	21.7	
Toluene	34.1	1.0	"	33.3	ND	102	55.6-113	3.46	9.18	
Surrogate: 1,2-Dichloroethane-d4	11.7		"	13.3		88.0	80-120			
Surrogate: Toluene-d8	12.9		"	13.3		97.0	92.1-106			
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		94.0	84.5-110			

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 - Bunyan No.1

Project Number: PDC 08076
Project Manager: John Peterson

Reported:
07/07/08 09:16

Notes and Definitions

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

Summit Scientific

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

October 01, 2008

John Peterson
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 09/24/08 16:15. 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
Vice President / Laboratory Director



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

Project: PDC - Bunyan No.1

Project Number: PDC 0876
Project Manager: John Peterson

Reported:
10/01/08 09:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R809128-01	Water	09/24/08 11:45	09/24/08 16:15
MW02	R809128-02	Water	09/24/08 11:55	09/24/08 16:15
MW03	R809128-03	Water	09/24/08 12:05	09/24/08 16:15
MW04	R809128-04	Water	09/24/08 12:20	09/24/08 16:15

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 - Bunyan No.1

Project Number: PDC 0876
 Project Manager: John Peterson

Reported:
 10/01/08 09:11

MW01
R809128-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/24/08 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8092610	09/26/08	09/28/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/24/08 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.5 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		96.2 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.2 %	85.3-109		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 0876
 Project Manager: John Peterson

Reported:
 10/01/08 09:11

MW02
R809128-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/24/08 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8092610	09/26/08	09/28/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/24/08 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		116 %	77.3-121		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.5 %	85.3-109		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 0876
 Project Manager: John Peterson

Reported:
 10/01/08 09:11

MW03
R809128-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/24/08 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	120	1.0	ug/l	1	8092610	09/26/08	09/28/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	110	1.0	"	"	"	"	"	"	
Xylenes (total)	220	1.0	"	"	"	"	"	"	

Date Sampled: **09/24/08 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	77.3-121		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.5 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.2 %	85.3-109		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 0876
 Project Manager: John Peterson

Reported:
 10/01/08 09:11

MW04
R809128-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/24/08 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	35	1.0	ug/l	1	8092610	09/26/08	09/28/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	5.6	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/24/08 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		117 %	77.3-121		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.5 %	85.3-109		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 0876
Project Manager: John Peterson

Reported:
10/01/08 09:11

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 8092610 - EPA 5030 Water MS

Blank (8092610-BLK1)

Prepared: 09/26/08 Analyzed: 09/27/08

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	11.4		"	13.3	85.7	77.3-121					
Surrogate: Toluene-d8	13.0		"	13.3	97.7	91.4-107					
Surrogate: 4-Bromofluorobenzene	11.4		"	13.3	85.7	85.3-109					

LCS (8092610-BS1)

Prepared: 09/26/08 Analyzed: 09/27/08

Benzene	28.0	1.0	ug/l	33.3	84.1	70-114					
Toluene	29.3	1.0	"	33.3	88.0	72.7-116					
Surrogate: 1,2-Dichloroethane-d4	11.1		"	13.3	83.5	77.3-121					
Surrogate: Toluene-d8	13.1		"	13.3	98.5	91.4-107					
Surrogate: 4-Bromofluorobenzene	11.4		"	13.3	85.7	85.3-109					

LCS Dup (8092610-BSD1)

Prepared: 09/26/08 Analyzed: 09/27/08

Benzene	26.8	1.0	ug/l	33.3	80.5	70-114	4.38	8.14			
Toluene	28.6	1.0	"	33.3	85.9	72.7-116	2.42	7.88			
Surrogate: 1,2-Dichloroethane-d4	11.1		"	13.3	83.5	77.3-121					
Surrogate: Toluene-d8	13.2		"	13.3	99.2	91.4-107					
Surrogate: 4-Bromofluorobenzene	12.4		"	13.3	93.2	85.3-109					

Matrix Spike (8092610-MS1)

Source: R809125-01

Prepared: 09/26/08 Analyzed: 09/27/08

Benzene	38.3	1.0	ug/l	33.3	4.7	101	66.8-117				
Toluene	31.0	1.0	"	33.3	ND	93.1	71.5-117				
Surrogate: 1,2-Dichloroethane-d4	11.6		"	13.3		87.2	77.3-121				
Surrogate: Toluene-d8	13.1		"	13.3		98.5	91.4-107				
Surrogate: 4-Bromofluorobenzene	11.8		"	13.3		88.7	85.3-109				

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 - Bunyan No.1

Project Number: PDC 0876
 Project Manager: John Peterson

Reported:
 10/01/08 09:11

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 8092610 - EPA 5030 Water MS

Matrix Spike Dup (8092610-MSD1)	Source: R809125-01			Prepared: 09/26/08		Analyzed: 09/27/08				
Benzene	32.3	1.0	ug/l	33.3	4.7	82.9	66.8-117	17.0	17.8	
Toluene	29.8	1.0	"	33.3	ND	89.5	71.5-117	3.95	14.4	
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		101	77.3-121			
Surrogate: Toluene-d8	12.8		"	13.3		96.2	91.4-107			
Surrogate: 4-Bromofluorobenzene	11.9		"	13.3		89.5	85.3-109			

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 - Bunyan No.1

Project Number: PDC 0876
Project Manager: John Peterson

Reported:
10/01/08 09:11

Notes and Definitions

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

Summit Scientific

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 15, 2008

John Peterson
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 12/10/08 16:49. 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
Vice President / Laboratory Director



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

Project: PDC - Bunyan No.1

Project Number: PDC0876
Project Manager: John Peterson

Reported:
12/15/08 14:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R812061-01	Water	12/10/08 13:40	12/10/08 16:49
MW02	R812061-02	Water	12/10/08 13:45	12/10/08 16:49
MW03	R812061-03	Water	12/10/08 13:50	12/10/08 16:49
MW04	R812061-04	Water	12/10/08 13:55	12/10/08 16:49

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 - Bunyan No.1

Project Number: PDC0876
 Project Manager: John Peterson

Reported:
 12/15/08 14:30

MW01
R812061-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/10/08 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8121109	12/11/08	12/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **12/10/08 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>101 %</i>	<i>77.3-121</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>101 %</i>	<i>91.4-107</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>101 %</i>	<i>85.3-109</i>		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC0876
 Project Manager: John Peterson

Reported:
 12/15/08 14:30

MW02
R812061-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/10/08 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8121109	12/11/08	12/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/10/08 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	77.3-121		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	85.3-109		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC0876
 Project Manager: John Peterson

Reported:
 12/15/08 14:30

MW03
R812061-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/10/08 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	230	1.0	ug/l	1	8121109	12/11/08	12/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	140	1.0	"	"	"	"	"	"	
Xylenes (total)	200	1.0	"	"	"	"	"	"	

Date Sampled: **12/10/08 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	77.3-121		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	85.3-109		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC0876
 Project Manager: John Peterson

Reported:
 12/15/08 14:30

MW04
R812061-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/10/08 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	230	1.0	ug/l	1	8121109	12/11/08	12/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	130	1.0	"	"	"	"	"	"	
Xylenes (total)	350	1.0	"	"	"	"	"	"	

Date Sampled: **12/10/08 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	77.3-121		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	85.3-109		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC0876
Project Manager: John Peterson

Reported:
12/15/08 14:30

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 8121109 - EPA 5030 Water MS

Blank (8121109-BLK1)

Prepared & Analyzed: 12/11/08

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3		99.2	77.3-121			
Surrogate: Toluene-d8	13.5		"	13.3		102	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.6		"	13.3		102	85.3-109			

LCS (8121109-BS1)

Prepared & Analyzed: 12/11/08

Benzene	26.3	1.0	ug/l	33.3		79.0	70-114			
Toluene	27.2	1.0	"	33.3		81.7	72.7-116			
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.7	77.3-121			
Surrogate: Toluene-d8	13.1		"	13.3		98.5	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3		102	85.3-109			

LCS Dup (8121109-BSD1)

Prepared & Analyzed: 12/11/08

Benzene	26.9	1.0	ug/l	33.3		80.8	70-114	2.26	8.14	
Toluene	27.8	1.0	"	33.3		83.5	72.7-116	2.18	7.88	
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.5	77.3-121			
Surrogate: Toluene-d8	13.3		"	13.3		100	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	85.3-109			

Matrix Spike (8121109-MS1)

Source: R812059-01

Prepared & Analyzed: 12/11/08

Benzene	27.6	1.0	ug/l	33.3	ND	82.9	66.8-117			
Toluene	28.1	1.0	"	33.3	ND	84.4	71.5-117			
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3		99.2	77.3-121			
Surrogate: Toluene-d8	13.2		"	13.3		99.2	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	85.3-109			

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 - Bunyan No.1

Project Number: PDC0876
 Project Manager: John Peterson

Reported:
 12/15/08 14:30

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 8121109 - EPA 5030 Water MS

Matrix Spike Dup (8121109-MSD1)	Source: R812059-01			Prepared & Analyzed: 12/11/08						
Benzene	27.2	1.0	ug/l	33.3	ND	81.7	66.8-117	1.46	17.8	
Toluene	28.2	1.0	"	33.3	ND	84.7	71.5-117	0.355	14.4	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>		<i>97.0</i>	<i>77.3-121</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.4</i>		<i>"</i>	<i>13.3</i>		<i>101</i>	<i>91.4-107</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>14.1</i>		<i>"</i>	<i>13.3</i>		<i>106</i>	<i>85.3-109</i>			

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 - Bunyan No.1

Project Number: PDC0876
Project Manager: John Peterson

Reported:
12/15/08 14:30

Notes and Definitions

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

Summit Scientific

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

January 10, 2009

John Peterson
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 01/06/09 16:53. 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
Vice President / Laboratory Director



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

Project: PDC - Bunyan No.1

Project Number: PDC 08076
 Project Manager: John Peterson

Reported:
 01/10/09 19:32

MW05
R901029-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/06/09 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9010806	01/08/09	01/09/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/06/09 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		93.2 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		100 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	85.3-109		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 08076
Project Manager: John Peterson

Reported:
01/10/09 19:32

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 9010806 - EPA 5030 Water MS

Blank (9010806-BLK1)

Prepared & Analyzed: 01/08/09

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.0		"	13.3		90.2	77.3-121			
Surrogate: Toluene-d8	13.0		"	13.3		97.7	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	85.3-109			

LCS (9010806-BS1)

Prepared & Analyzed: 01/08/09

Benzene	27.8	1.0	ug/l	33.3		83.5	70-114			
Toluene	29.6	1.0	"	33.3		88.9	72.7-116			
Surrogate: 1,2-Dichloroethane-d4	11.6		"	13.3		87.2	77.3-121			
Surrogate: Toluene-d8	13.1		"	13.3		98.5	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	85.3-109			

LCS Dup (9010806-BSD1)

Prepared & Analyzed: 01/08/09

Benzene	27.8	1.0	ug/l	33.3		83.5	70-114	0.00	8.14	
Toluene	29.9	1.0	"	33.3		89.8	72.7-116	1.01	7.88	
Surrogate: 1,2-Dichloroethane-d4	12.5		"	13.3		94.0	77.3-121			
Surrogate: Toluene-d8	13.3		"	13.3		100	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	85.3-109			

Matrix Spike (9010806-MS1)

Source: R901034-04

Prepared: 01/08/09 Analyzed: 01/09/09

Benzene	28.6	1.0	ug/l	33.3	ND	85.9	66.8-117			
Toluene	29.8	1.0	"	33.3	ND	89.5	71.5-117			
Surrogate: 1,2-Dichloroethane-d4	12.8		"	13.3		96.2	77.3-121			
Surrogate: Toluene-d8	13.0		"	13.3		97.7	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	85.3-109			

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 - Bunyan No.1

Project Number: PDC 08076
 Project Manager: John Peterson

Reported:
 01/10/09 19:32

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 9010806 - EPA 5030 Water MS

Matrix Spike Dup (9010806-MSD1)	Source: R901034-04			Prepared: 01/08/09	Analyzed: 01/09/09						
Benzene	29.3	1.0	ug/l	33.3	ND	88.0	66.8-117	2.42	17.8		
Toluene	30.4	1.0	"	33.3	ND	91.3	71.5-117	1.99	14.4		
Surrogate: 1,2-Dichloroethane-d4	15.2		"	13.3		114	77.3-121				
Surrogate: Toluene-d8	13.0		"	13.3		97.7	91.4-107				
Surrogate: 4-Bromofluorobenzene	14.0		"	13.3		105	85.3-109				

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 - Bunyan No.1

Project Number: PDC 08076
Project Manager: John Peterson

Reported:
01/10/09 19:32

Notes and Definitions

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

Summit Scientific

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 23, 2009

John Peterson
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 03/18/09 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'LS' followed by a long horizontal flourish.

Logan Shrewsbury For Ben Shrewsbury
Vice President / Laboratory Director



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

Project: PDC - Bunyan No.1

Project Number: PDC0876
Project Manager: John Peterson

Reported:
03/23/09 17:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R903082-01	Water	03/18/09 13:00	03/18/09 16:00
MW03	R903082-03	Water	03/18/09 13:20	03/18/09 16:00
MW05	R903082-05	Water	03/18/09 13:40	03/18/09 16:00

Summit Scientific

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



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

Project: PDC - Bunyan No.1

Project Number: PDC0876
 Project Manager: John Peterson

Reported:
 03/23/09 17:20

MW01
R903082-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/18/09 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9031902	03/19/09	03/22/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/18/09 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>116 %</i>	<i>77.3-121</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>105 %</i>	<i>91.4-107</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>102 %</i>	<i>85.3-109</i>		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC0876
 Project Manager: John Peterson

Reported:
 03/23/09 17:20

MW03
R903082-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/18/09 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	70	1.0	ug/l	1	9031902	03/19/09	03/22/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	14	1.0	"	"	"	"	"	"	
Xylenes (total)	220	1.0	"	"	"	"	"	"	

Date Sampled: **03/18/09 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		114 %	77.3-121		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	85.3-109		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC0876
 Project Manager: John Peterson

Reported:
 03/23/09 17:20

MW05
R903082-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/18/09 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9031902	03/19/09	03/22/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/18/09 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>118 %</i>	<i>77.3-121</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>105 %</i>	<i>91.4-107</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>103 %</i>	<i>85.3-109</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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 - Bunyan No.1

Project Number: PDC0876
Project Manager: John Peterson

Reported:
03/23/09 17:20

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 9031902 - EPA 5030 Water MS

Blank (9031902-BLK1)

Prepared: 03/19/09 Analyzed: 03/21/09

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	12.8		"	13.3		96.2	77.3-121				
Surrogate: Toluene-d8	13.5		"	13.3		102	91.4-107				
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.5	85.3-109				

LCS (9031902-BS1)

Prepared: 03/19/09 Analyzed: 03/21/09

Benzene	26.8	1.0	ug/l	33.3		80.5	70-114				
Toluene	29.0	1.0	"	33.3		87.1	72.7-116				
Surrogate: 1,2-Dichloroethane-d4	12.9		"	13.3		97.0	77.3-121				
Surrogate: Toluene-d8	13.5		"	13.3		102	91.4-107				
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		96.2	85.3-109				

LCS Dup (9031902-BSD1)

Prepared: 03/19/09 Analyzed: 03/21/09

Benzene	25.7	1.0	ug/l	33.3		77.2	70-114	4.19	8.14		
Toluene	28.0	1.0	"	33.3		84.1	72.7-116	3.51	7.88		
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.7	77.3-121				
Surrogate: Toluene-d8	13.6		"	13.3		102	91.4-107				
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.5	85.3-109				

Matrix Spike (9031902-MS1)

Source: R903076-01

Prepared: 03/19/09 Analyzed: 03/21/09

Benzene	26.3	1.0	ug/l	33.3	ND	79.0	66.8-117				
Toluene	28.3	1.0	"	33.3	ND	85.0	71.5-117				
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.5	77.3-121				
Surrogate: Toluene-d8	13.6		"	13.3		102	91.4-107				
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		96.2	85.3-109				

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 - Bunyan No.1

Project Number: PDC0876
 Project Manager: John Peterson

Reported:
 03/23/09 17:20

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 9031902 - EPA 5030 Water MS

Matrix Spike Dup (9031902-MSD1)	Source: R903076-01			Prepared: 03/19/09	Analyzed: 03/21/09					
Benzene	26.7	1.0	ug/l	33.3	ND	80.2	66.8-117	1.51	17.8	
Toluene	28.8	1.0	"	33.3	ND	86.5	71.5-117	1.75	14.4	
Surrogate: 1,2-Dichloroethane-d4	15.4		"	13.3		116	77.3-121			
Surrogate: Toluene-d8	13.7		"	13.3		103	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	85.3-109			

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 - Bunyan No.1

Project Number: PDC0876
Project Manager: John Peterson

Reported:
03/23/09 17:20

Notes and Definitions

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

Summit Scientific

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

October 05, 2009

John Peterson
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 09/24/09 16:00. 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 - Bunyan No.1

Project Number: PDC 0876
Project Manager: John Peterson

Reported:
10/05/09 15:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R909158-01	Water	09/24/09 10:45	09/24/09 16:00
MW02	R909158-02	Water	09/24/09 10:55	09/24/09 16:00
MW03	R909158-03	Water	09/24/09 11:05	09/24/09 16:00
MW05	R909158-04	Water	09/24/09 11:25	09/24/09 16:00

Summit Scientific

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



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

Project: PDC - Bunyan No.1

Project Number: PDC 0876
 Project Manager: John Peterson

Reported:
 10/05/09 15:30

MW01
R909158-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/24/09 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9093004	09/30/09	10/02/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/24/09 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		97.7 %	74.3-129		"	"	"	"	
Surrogate: Toluene-d8		97.8 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.6 %	83.5-115		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 0876
 Project Manager: John Peterson

Reported:
 10/05/09 15:30

MW02
R909158-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/24/09 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9093004	09/30/09	10/02/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/24/09 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	74.3-129		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.6 %	87.7-110		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.3 %	83.5-115		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 0876
 Project Manager: John Peterson

Reported:
 10/05/09 15:30

MW03
R909158-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/24/09 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	200	10	ug/l	10	9093004	09/30/09	10/02/09	EPA 8260B	
Toluene	ND	1.0	"	1	"	"	"	"	
Ethylbenzene	63	1.0	"	"	"	"	"	"	
Xylenes (total)	200	1.0	"	"	"	"	"	"	

Date Sampled: **09/24/09 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	74.3-129		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	87.7-110		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	83.5-115		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 0876
 Project Manager: John Peterson

Reported:
 10/05/09 15:30

MW05
R909158-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/24/09 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9093004	09/30/09	10/02/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/24/09 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	74.3-129		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.8 %	87.7-110		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.7 %	83.5-115		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 0876
Project Manager: John Peterson

Reported:
10/05/09 15:30

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 9093004 - EPA 5030 Water MS

Blank (9093004-BLK1)

Prepared: 09/30/09 Analyzed: 10/01/09

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	10.0		"	13.3		75.4	74.3-129			
Surrogate: Toluene-d8	13.4		"	13.3		101	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.8	83.5-115			

LCS (9093004-BS1)

Prepared: 09/30/09 Analyzed: 10/01/09

Benzene	31.6	1.0	ug/l	33.3		94.8	70-114		2.87	8.14
Toluene	30.8	1.0	"	33.3		92.4	72.7-116		3.98	7.88
Surrogate: 1,2-Dichloroethane-d4	10.6		"	13.3		79.2	74.3-129			
Surrogate: Toluene-d8	13.7		"	13.3		103	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.4	83.5-115			

LCS Dup (9093004-BSD1)

Prepared: 09/30/09 Analyzed: 10/01/09

Benzene	32.5	1.0	ug/l	33.3		97.5	70-114		2.87	8.14
Toluene	32.1	1.0	"	33.3		96.2	72.7-116		3.98	7.88
Surrogate: 1,2-Dichloroethane-d4	10.5		"	13.3		78.5	74.3-129			
Surrogate: Toluene-d8	13.5		"	13.3		101	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.3	83.5-115			

Matrix Spike (9093004-MS1)

Source: R909153-03

Prepared: 09/30/09 Analyzed: 10/01/09

Benzene	32.3	1.0	ug/l	33.3	ND	96.9	66.8-117			17.8
Toluene	31.1	1.0	"	33.3	ND	93.2	71.5-117			14.4
Surrogate: 1,2-Dichloroethane-d4	11.0		"	13.3		82.9	74.3-129			
Surrogate: Toluene-d8	13.7		"	13.3		102	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		100	83.5-115			

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 - Bunyan No.1

Project Number: PDC 0876
Project Manager: John Peterson

Reported:
10/05/09 15:30

Notes and Definitions

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

Summit Scientific

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

March 24, 2010

Brian Dodek
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 03/19/10 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 'BS', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury
President / Laboratory Director



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

Project: PDC - Bunyan No.1

Project Number: PDC 08076
 Project Manager: Brian Dodek

Reported:
 03/24/10 17:54

MW01
R003123-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/19/10 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0032201	03/22/10	03/23/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/19/10 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		85.4 %	70.4-127		"	"	"	"	
Surrogate: Toluene-d8		93.8 %	85.7-111		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.4 %	83.9-116		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 08076
 Project Manager: Brian Dodek

Reported:
 03/24/10 17:54

MW03
R003123-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/19/10 14:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2.1	1.0	ug/l	1	0032201	03/22/10	03/23/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/19/10 14:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.9 %	70.4-127		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.3 %	85.7-111		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.7 %	83.9-116		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 08076
Project Manager: Brian Dodek

Reported:
03/24/10 17:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 0032201 - EPA 5030 Water MS

Blank (0032201-BLK1)

Prepared: 03/22/10 Analyzed: 03/23/10

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	11.6		"	13.3		86.9	70.4-127				
Surrogate: Toluene-d8	12.4		"	13.3		93.1	85.7-111				
Surrogate: 4-Bromofluorobenzene	11.7		"	13.3		87.5	83.9-116				

LCS (0032201-BS1)

Prepared: 03/22/10 Analyzed: 03/23/10

Benzene	30.0	1.0	ug/l	33.3		89.9	64.2-127		10.9		
Toluene	30.6	1.0	"	33.3		91.8	66.4-125		11.3		
Ethylbenzene	32.4	1.0	"	33.3		97.1	70-130		20		
m,p-Xylene	72.8	2.0	"	66.7		109	70-130		20		
o-Xylene	30.4	1.0	"	33.3		91.3	70-130		20		
Surrogate: 1,2-Dichloroethane-d4	12.0		"	13.3		89.9	70.4-127				
Surrogate: Toluene-d8	12.5		"	13.3		93.5	85.7-111				
Surrogate: 4-Bromofluorobenzene	11.8		"	13.3		88.6	83.9-116				

LCS Dup (0032201-BSD1)

Prepared: 03/22/10 Analyzed: 03/23/10

Benzene	30.8	1.0	ug/l	33.3		92.3	64.2-127	2.73	10.9		
Toluene	31.3	1.0	"	33.3		93.8	66.4-125	2.20	11.3		
Ethylbenzene	33.5	1.0	"	33.3		100	70-130	3.40	20		
m,p-Xylene	74.8	2.0	"	66.7		112	70-130	2.72	20		
o-Xylene	31.2	1.0	"	33.3		93.6	70-130	2.47	20		
Surrogate: 1,2-Dichloroethane-d4	12.1		"	13.3		90.6	70.4-127				
Surrogate: Toluene-d8	13.0		"	13.3		97.1	85.7-111				
Surrogate: 4-Bromofluorobenzene	11.9		"	13.3		89.3	83.9-116				

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 - Bunyan No.1

Project Number: PDC 08076
Project Manager: Brian Dodek

Reported:
03/24/10 17:54

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 0032201 - EPA 5030 Water MS

Matrix Spike (0032201-MS1)	Source: R003123-01			Prepared: 03/22/10		Analyzed: 03/23/10				
Benzene	28.9	1.0	ug/l	33.3	ND	86.8	57.4-127	1.41	19.3	
Toluene	29.5	1.0	"	33.3	ND	88.5	60.1-123	2.15	18.7	
Ethylbenzene	31.3	1.0	"	33.3	ND	93.8	70-130	4.21	20	
m,p-Xylene	69.8	2.0	"	66.7	ND	105	70-130	3.96	20	
o-Xylene	29.5	1.0	"	33.3	ND	88.4	70-130	3.49	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.0</i>		<i>"</i>	<i>13.3</i>		<i>90.2</i>	<i>70.4-127</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>		<i>95.1</i>	<i>85.7-111</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>11.9</i>		<i>"</i>	<i>13.3</i>		<i>89.5</i>	<i>83.9-116</i>			

Matrix Spike Dup (0032201-MSD1)	Source: R003123-01			Prepared: 03/22/10		Analyzed: 03/23/10				
Benzene	29.3	1.0	ug/l	33.3	ND	88.0	57.4-127	1.41	19.3	
Toluene	30.1	1.0	"	33.3	ND	90.4	60.1-123	2.15	18.7	
Ethylbenzene	30.0	1.0	"	33.3	ND	89.9	70-130	4.21	20	
m,p-Xylene	67.1	2.0	"	66.7	ND	101	70-130	3.96	20	
o-Xylene	28.4	1.0	"	33.3	ND	85.4	70-130	3.49	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>		<i>95.3</i>	<i>70.4-127</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>		<i>95.2</i>	<i>85.7-111</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>11.4</i>		<i>"</i>	<i>13.3</i>		<i>85.3</i>	<i>83.9-116</i>			

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 - Bunyan No.1

Project Number: PDC 08076
Project Manager: Brian Dodek

Reported:
03/24/10 17:54

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

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 06, 2010

Brian Dodek
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 06/28/10 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 'LS' with a long horizontal flourish extending to the right.

Logan Shrewsbury For Ben Shrewsbury
President / Laboratory Director



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

Project: PDC - Bunyan No.1

Project Number: PDC08076
Project Manager: Brian Dodek

Reported:
07/06/10 14:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R006163-01	Water	06/28/10 12:20	06/28/10 17:00
MW03	R006163-02	Water	06/28/10 12:30	06/28/10 17:00

Summit Scientific

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

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

Project: PDC - Bunyan No.1

Project Number: PDC08076
Project Manager: Brian Dodek

Reported:
07/06/10 14:14

Summit Scientific

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-277-9531 Fax

Client: LT Environmental, Inc. Project Manager: Brian Dodek
Address: 4600 West 60th Avenue E-Mail: bcdodek@ltenv.com
City/State/Zip: Arvada, CO 80003 Project Name: Bunyan #1
Phone: (303) 433-9788 Fax: (303) 433-1432 Project Number: PDC08076
Sampler Name: J. Kagan

Page 1 of 1

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 32602	Table 9.10 Full	Table 9.10 Short		pH / EC
MW01	6/28	1220	3	X				X										Dry
MW03	6/28	1230	3	X				X										Dry
MW05	NA	NA	NA															Destroyed

Relinquished by:	Date/Time:	Received by:	Date/Time:	Turn Around Time (Check)	Notes:
		J. Kagan	6/28/10 17:00	Same Day <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Standard <input type="checkbox"/>	
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	Sample Integrity:	
				Temperature Upon Receipt: 5.1 Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	





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

Project: PDC - Bunyan No.1

Project Number: PDC08076
 Project Manager: Brian Dodek

Reported:
 07/06/10 14:14

MW01
R006163-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/28/10 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0070501	07/05/10	07/05/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/28/10 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	70.4-127		"	"	"	"	
Surrogate: Toluene-d8		96.4 %	85.7-111		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.5 %	83.9-116		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC08076
 Project Manager: Brian Dodek

Reported:
 07/06/10 14:14

MW03
R006163-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/28/10 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	83	1.0	ug/l	1	0070501	07/05/10	07/05/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	14	1.0	"	"	"	"	"	"	
Xylenes (total)	140	1.0	"	"	"	"	"	"	

Date Sampled: **06/28/10 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70.4-127		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.6 %	85.7-111		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.0 %	83.9-116		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC08076
Project Manager: Brian Dodek

Reported:
07/06/10 14:14

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 0070501 - EPA 5030 Water MS

Blank (0070501-BLK1)

Prepared & Analyzed: 07/05/10

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.3		"	13.3		99.8	70.4-127			
Surrogate: Toluene-d8	12.8		"	13.3		96.2	85.7-111			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.3	83.9-116			

LCS (0070501-BS1)

Prepared & Analyzed: 07/05/10

Benzene	29.4	1.0	ug/l	33.3		88.1	64.2-127		10.9	
Toluene	28.3	1.0	"	33.3		85.0	66.4-125		11.3	
Ethylbenzene	31.1	1.0	"	33.3		93.4	70-130		20	
m,p-Xylene	59.0	2.0	"	66.7		88.5	70-130		20	
o-Xylene	26.8	1.0	"	33.3		80.3	70-130		20	
Surrogate: 1,2-Dichloroethane-d4	14.0		"	13.3		105	70.4-127			
Surrogate: Toluene-d8	13.2		"	13.3		98.9	85.7-111			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.6	83.9-116			

LCS Dup (0070501-BSD1)

Prepared & Analyzed: 07/05/10

Benzene	29.4	1.0	ug/l	33.3		88.1	64.2-127	0.00	10.9	
Toluene	28.6	1.0	"	33.3		85.8	66.4-125	0.983	11.3	
Ethylbenzene	31.7	1.0	"	33.3		95.1	70-130	1.81	20	
m,p-Xylene	60.5	2.0	"	66.7		90.7	70-130	2.49	20	
o-Xylene	27.5	1.0	"	33.3		82.4	70-130	2.58	20	
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.3		104	70.4-127			
Surrogate: Toluene-d8	13.2		"	13.3		98.9	85.7-111			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.5	83.9-116			

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 - Bunyan No.1

Project Number: PDC08076
Project Manager: Brian Dodek

Reported:
07/06/10 14:14

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 0070501 - EPA 5030 Water MS

Matrix Spike (0070501-MS1)	Source: R006162-03			Prepared & Analyzed: 07/05/10						
Benzene	28.4	1.0	ug/l	33.3	ND	85.2	57.4-127		19.3	
Toluene	27.5	1.0	"	33.3	ND	82.6	60.1-123		18.7	
Ethylbenzene	30.1	1.0	"	33.3	ND	90.3	70-130		20	
m,p-Xylene	56.8	2.0	"	66.7	ND	85.2	70-130		20	
o-Xylene	26.0	1.0	"	33.3	ND	78.0	70-130		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.8</i>		<i>"</i>	<i>13.3</i>		<i>111</i>	<i>70.4-127</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.6</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>85.7-111</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.5</i>	<i>83.9-116</i>			

Matrix Spike Dup (0070501-MSD1)	Source: R006162-03			Prepared & Analyzed: 07/05/10						
Benzene	29.0	1.0	ug/l	33.3	ND	87.1	57.4-127	2.19	19.3	
Toluene	28.4	1.0	"	33.3	ND	85.1	60.1-123	2.93	18.7	
Ethylbenzene	31.3	1.0	"	33.3	ND	94.0	70-130	4.07	20	
m,p-Xylene	59.2	2.0	"	66.7	ND	88.8	70-130	4.15	20	
o-Xylene	26.9	1.0	"	33.3	ND	80.8	70-130	3.59	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.4</i>		<i>"</i>	<i>13.3</i>		<i>108</i>	<i>70.4-127</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>99.8</i>	<i>85.7-111</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.1</i>	<i>83.9-116</i>			

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 - Bunyan No.1

Project Number: PDC08076
Project Manager: Brian Dodek

Reported:
07/06/10 14:14

Notes and Definitions

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

Summit Scientific

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

September 22, 2010

Brian Dodek
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 09/16/10 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 'LS' with a long horizontal flourish extending to the right.

Logan Shrewsbury For Ben Shrewsbury
President / Laboratory Director



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

Project: PDC - Bunyan No.1

Project Number: PDC 08026
Project Manager: Brian Dodek

Reported:
09/22/10 14:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R009145-01	Water	09/16/10 12:50	09/16/10 17:00
MW02	R009145-02	Water	09/16/10 12:55	09/16/10 17:00
MW03	R009145-03	Water	09/16/10 13:00	09/16/10 17:00
MW04	R009145-04	Water	09/16/10 13:05	09/16/10 17:00

Summit Scientific

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



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

Project: PDC - Bunyan No.1

Project Number: PDC 08026
 Project Manager: Brian Dodek

Reported:
 09/22/10 14:04

MW01
R009145-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/16/10 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0092007	09/20/10	09/21/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/16/10 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>102 %</i>	<i>57.9-139</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>99.3 %</i>	<i>83.1-115</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>101 %</i>	<i>80.8-120</i>		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 08026
 Project Manager: Brian Dodek

Reported:
 09/22/10 14:04

MW02
R009145-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/16/10 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0092007	09/20/10	09/21/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/16/10 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>102 %</i>	<i>57.9-139</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>100 %</i>	<i>83.1-115</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>104 %</i>	<i>80.8-120</i>		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 08026
 Project Manager: Brian Dodek

Reported:
 09/22/10 14:04

MW03
R009145-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/16/10 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	53	1.0	ug/l	1	0092007	09/20/10	09/21/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	43	1.0	"	"	"	"	"	"	
Xylenes (total)	19	1.0	"	"	"	"	"	"	

Date Sampled: **09/16/10 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		105 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.7 %	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.



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

Project: PDC - Bunyan No.1

Project Number: PDC 08026
 Project Manager: Brian Dodek

Reported:
 09/22/10 14:04

MW04
R009145-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/16/10 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0092007	09/20/10	09/21/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/16/10 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>106 %</i>	<i>57.9-139</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>101 %</i>	<i>83.1-115</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>102 %</i>	<i>80.8-120</i>		"	"	"	"	

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 - Bunyan No.1

Project Number: PDC 08026
Project Manager: Brian Dodek

Reported:
09/22/10 14:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 0092007 - EPA 5030 Water MS

Blank (0092007-BLK1)

Prepared: 09/20/10 Analyzed: 09/21/10

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	14.4		"	13.3		108	57.9-139				
Surrogate: Toluene-d8	12.3		"	13.3		92.0	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3		101	80.8-120				

LCS (0092007-BS1)

Prepared: 09/20/10 Analyzed: 09/21/10

Benzene	29.6	1.0	ug/l	33.3		88.8	60.1-131			10.9	
Toluene	26.8	1.0	"	33.3		80.3	65.9-127			11.3	
Ethylbenzene	34.7	1.0	"	33.3		104	65.1-129			20	
m,p-Xylene	63.4	2.0	"	66.7		95.1	66.8-127			20	
o-Xylene	30.1	1.0	"	33.3		90.3	61.2-120			20	
Surrogate: 1,2-Dichloroethane-d4	14.5		"	13.3		109	57.9-139				
Surrogate: Toluene-d8	13.2		"	13.3		99.3	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.7	80.8-120				

LCS (0092007-BS2)

Prepared: 09/20/10 Analyzed: 09/21/10

Benzene	31.4	1.0	ug/l	33.3		94.1	60.1-131			10.9	
Toluene	28.3	1.0	"	33.3		84.9	65.9-127			11.3	
Ethylbenzene	36.0	1.0	"	33.3		108	65.1-129			20	
m,p-Xylene	66.6	2.0	"	66.7		99.8	66.8-127			20	
o-Xylene	30.5	1.0	"	33.3		91.5	61.2-120			20	
Surrogate: 1,2-Dichloroethane-d4	15.2		"	13.3		114	57.9-139				
Surrogate: Toluene-d8	13.6		"	13.3		102	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.9	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 - Bunyan No.1

Project Number: PDC 08026
Project Manager: Brian Dodek

Reported:
09/22/10 14:04

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 0092007 - EPA 5030 Water MS

LCS Dup (0092007-BSD1)

Prepared: 09/20/10 Analyzed: 09/21/10

Benzene	30.2	1.0	ug/l	33.3		90.5	60.1-131	1.91	10.9	
Toluene	27.1	1.0	"	33.3		81.2	65.9-127	1.04	11.3	
Ethylbenzene	34.8	1.0	"	33.3		104	65.1-129	0.0575	20	
m,p-Xylene	62.9	2.0	"	66.7		94.3	66.8-127	0.792	20	
o-Xylene	29.5	1.0	"	33.3		88.6	61.2-120	1.95	20	
Surrogate: 1,2-Dichloroethane-d4	14.5		"	13.3		109	57.9-139			
Surrogate: Toluene-d8	13.4		"	13.3		100	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.9	80.8-120			

LCS Dup (0092007-BSD2)

Prepared: 09/20/10 Analyzed: 09/21/10

Benzene	31.4	1.0	ug/l	33.3		94.3	60.1-131	0.127	10.9	
Toluene	28.2	1.0	"	33.3		84.5	65.9-127	0.425	11.3	
Ethylbenzene	36.0	1.0	"	33.3		108	65.1-129	0.0834	20	
m,p-Xylene	66.2	2.0	"	66.7		99.3	66.8-127	0.558	20	
o-Xylene	30.8	1.0	"	33.3		92.5	61.2-120	1.08	20	
Surrogate: 1,2-Dichloroethane-d4	14.0		"	13.3		105	57.9-139			
Surrogate: Toluene-d8	13.7		"	13.3		103	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.1	80.8-120			

Matrix Spike (0092007-MS1)

Source: R009143-05

Prepared: 09/20/10 Analyzed: 09/21/10

Benzene	250	1.0	ug/l	33.3	222	84.5	52.7-130		19.3	
Toluene	27.5	1.0	"	33.3	ND	82.5	57-127		18.7	
Ethylbenzene	52.6	1.0	"	33.3	12.7	120	59.2-127		20	
m,p-Xylene	64.4	2.0	"	66.7	ND	96.6	53.2-132		20	
o-Xylene	30.8	1.0	"	33.3	ND	92.6	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	14.4		"	13.3		108	57.9-139			
Surrogate: Toluene-d8	12.9		"	13.3		97.0	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 - Bunyan No.1

Project Number: PDC 08026
Project Manager: Brian Dodek

Reported:
09/22/10 14:04

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 0092007 - EPA 5030 Water MS

Matrix Spike (0092007-MS2)	Source: R009143-06			Prepared: 09/20/10		Analyzed: 09/21/10				
Benzene	35.2	1.0	ug/l	33.3	ND	106	52.7-130			19.3
Toluene	27.0	1.0	"	33.3	ND	81.0	57-127			18.7
Ethylbenzene	34.9	1.0	"	33.3	ND	105	59.2-127			20
m,p-Xylene	63.3	2.0	"	66.7	ND	95.0	53.2-132			20
o-Xylene	29.5	1.0	"	33.3	ND	88.5	56.3-117			20
Surrogate: 1,2-Dichloroethane-d4	14.3		"	13.3		107	57.9-139			
Surrogate: Toluene-d8	12.4		"	13.3		93.2	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.3		"	13.3		92.3	80.8-120			

Matrix Spike Dup (0092007-MSD1)	Source: R009143-05			Prepared: 09/20/10		Analyzed: 09/21/10				
Benzene	264	1.0	ug/l	33.3	222	128	52.7-130	5.61		19.3
Toluene	28.8	1.0	"	33.3	ND	86.3	57-127	4.59		18.7
Ethylbenzene	52.6	1.0	"	33.3	12.7	120	59.2-127	0.0760		20
m,p-Xylene	65.8	2.0	"	66.7	ND	98.7	53.2-132	2.17		20
o-Xylene	31.2	1.0	"	33.3	ND	93.5	56.3-117	1.06		20
Surrogate: 1,2-Dichloroethane-d4	14.6		"	13.3		109	57.9-139			
Surrogate: Toluene-d8	13.0		"	13.3		97.4	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.3	80.8-120			

Matrix Spike Dup (0092007-MSD2)	Source: R009143-06			Prepared: 09/20/10		Analyzed: 09/21/10				
Benzene	36.8	1.0	ug/l	33.3	ND	110	52.7-130	4.50		19.3
Toluene	27.0	1.0	"	33.3	ND	81.1	57-127	0.185		18.7
Ethylbenzene	34.5	1.0	"	33.3	ND	103	59.2-127	1.24		20
m,p-Xylene	60.8	2.0	"	66.7	ND	91.2	53.2-132	4.06		20
o-Xylene	28.8	1.0	"	33.3	ND	86.6	56.3-117	2.19		20
Surrogate: 1,2-Dichloroethane-d4	14.2		"	13.3		107	57.9-139			
Surrogate: Toluene-d8	12.6		"	13.3		94.9	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.3	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 - Bunyan No.1

Project Number: PDC 08026
Project Manager: Brian Dodek

Reported:
09/22/10 14:04

Notes and Definitions

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

Summit Scientific

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 13, 2010

Brian Dodek
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 12/08/10 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 - Bunyan No.1

Project Number: PDC 0876
Project Manager: Brian Dodek

Reported:
12/13/10 16:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R012057-01	Water	12/08/10 11:40	12/08/10 17:00
MW02	R012057-02	Water	12/08/10 11:45	12/08/10 17:00
MW03	R012057-03	Water	12/08/10 11:50	12/08/10 17:00
MW04	R012057-04	Water	12/08/10 11:55	12/08/10 17:00

Summit Scientific

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



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

Project: PDC - Bunyan No.1

Project Number: PDC 0876
 Project Manager: Brian Dodek

Reported:
 12/13/10 16:17

MW01
R012057-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/08/10 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0121102	12/11/10	12/12/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/08/10 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	57.9-139		"	"	"	"	
Surrogate: Toluene-d8		96.9 %	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 - Bunyan No.1

Project Number: PDC 0876
 Project Manager: Brian Dodek

Reported:
 12/13/10 16:17

MW02
R012057-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/08/10 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0121102	12/11/10	12/12/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/08/10 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	57.9-139		"	"	"	"	
Surrogate: Toluene-d8		96.8 %	83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.2 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC 0876
 Project Manager: Brian Dodek

Reported:
 12/13/10 16:17

MW03
R012057-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/08/10 11:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	22	1.0	ug/l	1	0121102	12/11/10	12/12/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	14	1.0	"	"	"	"	"	"	
Xylenes (total)	33	1.0	"	"	"	"	"	"	

Date Sampled: 12/08/10 11:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		115 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.7 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.7 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC 0876
 Project Manager: Brian Dodek

Reported:
 12/13/10 16:17

MW04
R012057-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/08/10 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	3.8	1.0	ug/l	1	0121102	12/11/10	12/12/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/08/10 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		109 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		91.8 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.1 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC 0876
Project Manager: Brian Dodek

Reported:
12/13/10 16:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 0121102 - EPA 5030 Water MS

Blank (0121102-BLK1)

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

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>14.4</i>		<i>"</i>	<i>13.3</i>	<i>108</i>	<i>57.9-139</i>					
<i>Surrogate: Toluene-d8</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>	<i>97.6</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 (0121102-BS1)

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

Benzene	28.6	1.0	ug/l	33.3	85.9	60.1-131			10.9		
Toluene	28.3	1.0	"	33.3	84.8	65.9-127			11.3		
Ethylbenzene	30.6	1.0	"	33.3	91.7	65.1-129			20		
m,p-Xylene	60.2	2.0	"	66.7	90.3	66.8-127			20		
o-Xylene	29.5	1.0	"	33.3	88.5	61.2-120			20		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.8</i>		<i>"</i>	<i>13.3</i>	<i>111</i>	<i>57.9-139</i>					
<i>Surrogate: Toluene-d8</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>	<i>98.4</i>	<i>83.1-115</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.4</i>		<i>"</i>	<i>13.3</i>	<i>93.2</i>	<i>80.8-120</i>					

LCS Dup (0121102-BSD1)

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

Benzene	29.9	1.0	ug/l	33.3	89.7	60.1-131	4.30		10.9		
Toluene	30.0	1.0	"	33.3	90.1	65.9-127	6.04		11.3		
Ethylbenzene	32.2	1.0	"	33.3	96.7	65.1-129	5.25		20		
m,p-Xylene	63.2	2.0	"	66.7	94.7	66.8-127	4.78		20		
o-Xylene	32.5	1.0	"	33.3	97.6	61.2-120	9.80		20		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.8</i>		<i>"</i>	<i>13.3</i>	<i>111</i>	<i>57.9-139</i>					
<i>Surrogate: Toluene-d8</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>	<i>95.6</i>	<i>83.1-115</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>	<i>96.7</i>	<i>80.8-120</i>					

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC 0876
Project Manager: Brian Dodek

Reported:
12/13/10 16:17

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 0121102 - EPA 5030 Water MS

Matrix Spike (0121102-MS1)

Source: R012051-01

Prepared: 12/11/10

Analyzed: 12/12/10

Benzene	29.1	1.0	ug/l	33.3	ND	87.3	52.7-130		19.3	
Toluene	29.8	1.0	"	33.3	ND	89.5	57-127		18.7	
Ethylbenzene	31.2	1.0	"	33.3	ND	93.5	59.2-127		20	
m,p-Xylene	60.2	2.0	"	66.7	ND	90.2	53.2-132		20	
o-Xylene	30.3	1.0	"	33.3	ND	90.8	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	14.8		"	13.3		111	57.9-139			
Surrogate: Toluene-d8	12.8		"	13.3		96.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.3	80.8-120			

Matrix Spike Dup (0121102-MSD1)

Source: R012051-01

Prepared: 12/11/10

Analyzed: 12/12/10

Benzene	30.0	1.0	ug/l	33.3	ND	90.0	52.7-130	3.08	19.3	
Toluene	29.6	1.0	"	33.3	ND	88.8	57-127	0.774	18.7	
Ethylbenzene	32.0	1.0	"	33.3	ND	96.0	59.2-127	2.69	20	
m,p-Xylene	61.4	2.0	"	66.7	ND	92.1	53.2-132	2.01	20	
o-Xylene	31.8	1.0	"	33.3	ND	95.6	56.3-117	5.09	20	
Surrogate: 1,2-Dichloroethane-d4	15.3		"	13.3		115	57.9-139			
Surrogate: Toluene-d8	13.0		"	13.3		97.6	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.7	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.



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

Project: PDC - Bunyan No.1

Project Number: PDC 0876
Project Manager: Brian Dodek

Reported:
12/13/10 16:17

Notes and Definitions

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

Summit Scientific

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 11, 2011

Brian Dodek
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 03/03/11 16:55. 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 - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
03/11/11 16:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R103030-01	Water	03/03/11 13:40	03/03/11 16:55
MW02	R103030-02	Water	03/03/11 13:45	03/03/11 16:55
MW03	R103030-03	Water	03/03/11 13:50	03/03/11 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 - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 03/11/11 16:18

MW01
R103030-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/03/11 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1030406	03/04/11	03/10/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/03/11 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.7 %	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.



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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 03/11/11 16:18

MW02
R103030-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/03/11 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1030406	03/04/11	03/10/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/03/11 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.7 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 03/11/11 16:18

MW03
R103030-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/03/11 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	170	1.0	ug/l	1	1030406	03/04/11	03/10/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	94	1.0	"	"	"	"	"	"	
Xylenes (total)	300	1.0	"	"	"	"	"	"	

Date Sampled: **03/03/11 13:50**

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>		105 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
03/11/11 16:18

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1030406 - EPA 5030 Water MS

Blank (1030406-BLK1)

Prepared: 03/04/11 Analyzed: 03/10/11

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.3	102	57.9-139					
Surrogate: Toluene-d8	13.3		"	13.3	99.8	83.1-115					
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3	96.6	80.8-120					

LCS (1030406-BS1)

Prepared: 03/04/11 Analyzed: 03/10/11

Benzene	38.6	1.0	ug/l	33.3	116	60.1-131		10.9			
Toluene	37.9	1.0	"	33.3	114	65.9-127		11.3			
Ethylbenzene	37.0	1.0	"	33.3	111	65.1-129		20			
m,p-Xylene	76.8	2.0	"	66.7	115	66.8-127		20			
o-Xylene	36.6	1.0	"	33.3	110	61.2-120		20			
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.3	102	57.9-139					
Surrogate: Toluene-d8	13.9		"	13.3	104	83.1-115					
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3	94.9	80.8-120					

LCS Dup (1030406-BSD1)

Prepared: 03/04/11 Analyzed: 03/10/11

Benzene	32.4	1.0	ug/l	33.3	97.1	60.1-131	17.5	10.9			
Toluene	31.4	1.0	"	33.3	94.2	65.9-127	18.7	11.3			
Ethylbenzene	33.4	1.0	"	33.3	100	65.1-129	9.94	20			
m,p-Xylene	66.7	2.0	"	66.7	100	66.8-127	14.1	20			
o-Xylene	33.7	1.0	"	33.3	101	61.2-120	8.33	20			
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.3	103	57.9-139					
Surrogate: Toluene-d8	13.9		"	13.3	104	83.1-115					
Surrogate: 4-Bromofluorobenzene	13.8		"	13.3	104	80.8-120					

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
03/11/11 16:18

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 1030406 - EPA 5030 Water MS

Matrix Spike (1030406-MS1)	Source: R103030-01			Prepared: 03/04/11	Analyzed: 03/10/11				
Benzene	34.8	1.0	ug/l	33.3	ND	104	52.7-130		19.3
Toluene	35.6	1.0	"	33.3	ND	107	57-127		18.7
Ethylbenzene	36.0	1.0	"	33.3	ND	108	59.2-127		20
m,p-Xylene	74.6	2.0	"	66.7	1.24	110	53.2-132		20
o-Xylene	36.0	1.0	"	33.3	ND	108	56.3-117		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>13.8</i>		<i>"</i>	<i>13.3</i>		<i>103</i>	<i>83.1-115</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.1</i>	<i>80.8-120</i>		

Matrix Spike Dup (1030406-MSD1)	Source: R103030-01			Prepared: 03/04/11	Analyzed: 03/10/11				
Benzene	34.4	1.0	ug/l	33.3	ND	103	52.7-130	1.21	19.3
Toluene	34.3	1.0	"	33.3	ND	103	57-127	3.60	18.7
Ethylbenzene	34.8	1.0	"	33.3	ND	104	59.2-127	3.47	20
m,p-Xylene	70.7	2.0	"	66.7	1.24	104	53.2-132	5.42	20
o-Xylene	34.6	1.0	"	33.3	ND	104	56.3-117	3.80	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.4</i>		<i>"</i>	<i>13.3</i>		<i>108</i>	<i>57.9-139</i>		
<i>Surrogate: Toluene-d8</i>	<i>13.7</i>		<i>"</i>	<i>13.3</i>		<i>103</i>	<i>83.1-115</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.4</i>		<i>"</i>	<i>13.3</i>		<i>92.7</i>	<i>80.8-120</i>		

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 - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
03/11/11 16:18

Notes and Definitions

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

Summit Scientific

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

April 23, 2011

Brian Dodek
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 04/19/11 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 - Bunyan No.1

Project Number: PDC 00876
Project Manager: Brian Dodek

Reported:
04/23/11 17:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW06	R104111-01	Water	04/19/11 10:00	04/19/11 17:00
MW05R	R104111-02	Water	04/19/11 10:20	04/19/11 17:00

Summit Scientific

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



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

Project: PDC - Bunyan No.1

Project Number: PDC 00876
 Project Manager: Brian Dodek

Reported:
 04/23/11 17:23

MW06
R104111-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/19/11 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1042103	04/21/11	04/22/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **04/19/11 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		94.4 %	57.9-139		"	"	"	"	
Surrogate: Toluene-d8		100 %	83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.9 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC 00876
 Project Manager: Brian Dodek

Reported:
 04/23/11 17:23

MW05R
R104111-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/19/11 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1042103	04/21/11	04/22/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **04/19/11 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.7 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC 00876
Project Manager: Brian Dodek

Reported:
04/23/11 17:23

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 1042103 - EPA 5030 Water MS

Blank (1042103-BLK1)

Prepared & Analyzed: 04/21/11

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>14.5</i>		<i>"</i>	<i>13.3</i>		<i>109</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>96.3</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.1</i>		<i>"</i>	<i>13.3</i>		<i>90.5</i>	<i>80.8-120</i>			

LCS (1042103-BS1)

Prepared: 04/21/11 Analyzed: 04/22/11

Benzene	28.7	1.0	ug/l	33.3		86.2	60.1-131		10.9	
Toluene	28.9	1.0	"	33.3		86.7	65.9-127		11.3	
Ethylbenzene	30.2	1.0	"	33.3		90.7	65.1-129		20	
m,p-Xylene	57.2	2.0	"	66.7		85.8	66.8-127		20	
o-Xylene	29.7	1.0	"	33.3		89.2	61.2-120		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.1</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>12.4</i>		<i>"</i>	<i>13.3</i>		<i>93.3</i>	<i>80.8-120</i>			

Matrix Spike (1042103-MS1)

Source: R104095-01

Prepared: 04/21/11 Analyzed: 04/22/11

Benzene	29.8	1.0	ug/l	33.3	ND	89.3	52.7-130		19.3	
Toluene	30.0	1.0	"	33.3	ND	90.1	57-127		18.7	
Ethylbenzene	31.4	1.0	"	33.3	ND	94.2	59.2-127		20	
m,p-Xylene	59.6	2.0	"	66.7	ND	89.5	53.2-132		20	
o-Xylene	31.5	1.0	"	33.3	ND	94.4	56.3-117		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.2</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.5</i>		<i>"</i>	<i>13.3</i>		<i>101</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.4</i>		<i>"</i>	<i>13.3</i>		<i>93.3</i>	<i>80.8-120</i>			

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC 00876
Project Manager: Brian Dodek

Reported:
04/23/11 17:23

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 1042103 - EPA 5030 Water MS

Matrix Spike Dup (1042103-MSD1)	Source: R104095-01			Prepared: 04/21/11	Analyzed: 04/22/11					
Benzene	29.4	1.0	ug/l	33.3	ND	88.3	52.7-130	1.08	19.3	
Toluene	29.7	1.0	"	33.3	ND	89.1	57-127	1.10	18.7	
Ethylbenzene	31.9	1.0	"	33.3	ND	95.6	59.2-127	1.55	20	
m,p-Xylene	60.0	2.0	"	66.7	ND	90.0	53.2-132	0.618	20	
o-Xylene	31.5	1.0	"	33.3	ND	94.5	56.3-117	0.127	20	
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.0	57.9-139			
Surrogate: Toluene-d8	13.2		"	13.3		98.9	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.4		"	13.3		92.9	80.8-120			

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC 00876
Project Manager: Brian Dodek

Reported:
04/23/11 17:23

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

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 15, 2011

Brian Dodek
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 06/07/11 16:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Logan Shrewsbury For Ben Shrewsbury
President / Laboratory Director



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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
06/15/11 18:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R106068-01	Water	06/07/11 12:15	06/07/11 16:55
MW02	R106068-02	Water	06/07/11 12:20	06/07/11 16:55
MW03	R106068-03	Water	06/07/11 12:25	06/07/11 16:55
MW04	R106068-04	Water	06/07/11 12:30	06/07/11 16:55
MW05	R106068-05	Water	06/07/11 12:35	06/07/11 16:55
MW06	R106068-06	Water	06/07/11 12:40	06/07/11 16:55

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
06/15/11 18:30

R106007

Summit Scientific

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-277-9531 Fax

Client: LT Environmental, Inc. Project Manager: Brian Dodek
Address: 4600 West 60th Avenue E-Mail: bdodek@ltenv.com
City/State/Zip: Arvada, CO 80003 Project Name: Bunyan
Phone: (303) 433-9788 Fax: (303) 433-1432 Project Number: PDC00876
Sampler Name: J. Dodek

Page 1 of 1

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative							Matrix					Analyze For:					Special Instructions	Notes						
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO	GBTX	BTEX	Table 9.10 Full	Table 9.10 Short	PH / EC	SAR										
M1001	6/7	1215	2	X				X	X																			
M1002		1320	3	X				X	X																			
M1003		1325	3	X				X	X																			
M1004		1330	2	X				X	X																			
M1005		1335	3	X				X	X																			
M1006		1340	3	X				X	X																			
Relinquished by:	Date/Time:	6/7/11	1655	Received by: [Signature]							Date/Time:	6-7-11	1655	Turn Around Time (Check)					72 Hours	Standard	Notes:							
Relinquished by:	Date/Time:			Received by:							Date/Time:			Sample Integrity:					Temperature	Intact/ Yes/ No	Notes:							
Relinquished by:	Date/Time:			Received in Lab by:							Date/Time:			Sample Integrity:					Temperature	Intact/ Yes/ No	Notes:							

www.s2scientific.com



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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 06/15/11 18:30

MW01
R106068-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/11 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1061302	06/13/11	06/14/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/07/11 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.5 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.6 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 06/15/11 18:30

MW02
R106068-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/11 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1061302	06/13/11	06/14/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/07/11 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.0 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.3 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 06/15/11 18:30

MW03
R106068-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/11 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	180	1.0	ug/l	1	1061302	06/13/11	06/14/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	130	1.0	"	"	"	"	"	"	
Xylenes (total)	420	1.0	"	"	"	"	"	"	

Date Sampled: **06/07/11 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.4 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 06/15/11 18:30

MW04
R106068-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/11 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1061302	06/13/11	06/14/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/07/11 12:30**

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>		98.9 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.2 %	80.8-120		"	"	"	"	

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 06/15/11 18:30

MW05
R106068-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/11 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1061302	06/13/11	06/15/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/07/11 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.9 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.5 %	80.8-120		"	"	"	"	

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 06/15/11 18:30

MW06
R106068-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/07/11 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1061302	06/13/11	06/15/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/07/11 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.0 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.7 %	80.8-120		"	"	"	"	

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
06/15/11 18:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch 1061302 - EPA 5030 Water MS

Blank (1061302-BLK1)

Prepared: 06/13/11 Analyzed: 06/14/11

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.3		"	13.3		99.5	57.9-139			
Surrogate: Toluene-d8	11.8		"	13.3		88.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	80.8-120			

LCS (1061302-BS1)

Prepared: 06/13/11 Analyzed: 06/14/11

Benzene	31.8	1.0	ug/l	33.3		95.4	60.1-131		10.9	
Toluene	29.3	1.0	"	33.3		88.0	65.9-127		11.3	
Ethylbenzene	37.4	1.0	"	33.3		112	65.1-129		20	
m,p-Xylene	72.1	2.0	"	66.7		108	66.8-127		20	
o-Xylene	36.6	1.0	"	33.3		110	61.2-120		20	
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3		99.2	57.9-139			
Surrogate: Toluene-d8	12.0		"	13.3		90.1	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		96.3	80.8-120			

LCS Dup (1061302-BSD1)

Prepared: 06/13/11 Analyzed: 06/14/11

Benzene	30.6	1.0	ug/l	33.3		91.9	60.1-131	3.75	10.9	
Toluene	32.6	1.0	"	33.3		97.9	65.9-127	10.6	11.3	
Ethylbenzene	35.8	1.0	"	33.3		107	65.1-129	4.42	20	
m,p-Xylene	69.3	2.0	"	66.7		104	66.8-127	3.96	20	
o-Xylene	35.1	1.0	"	33.3		105	61.2-120	4.19	20	
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.3		102	57.9-139			
Surrogate: Toluene-d8	13.9		"	13.3		105	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		96.1	80.8-120			

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
06/15/11 18:30

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 1061302 - EPA 5030 Water MS

Matrix Spike (1061302-MS1)	Source: R106068-01			Prepared: 06/13/11	Analyzed: 06/14/11				
Benzene	31.1	1.0	ug/l	33.3	ND	93.4	52.7-130		19.3
Toluene	30.9	1.0	"	33.3	ND	92.7	57-127		18.7
Ethylbenzene	36.3	1.0	"	33.3	ND	109	59.2-127		20
m,p-Xylene	69.3	2.0	"	66.7	ND	104	53.2-132		20
o-Xylene	35.7	1.0	"	33.3	ND	107	56.3-117		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>12.3</i>		<i>"</i>	<i>13.3</i>		<i>92.2</i>	<i>83.1-115</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>		<i>95.0</i>	<i>80.8-120</i>		

Matrix Spike Dup (1061302-MSD1)	Source: R106068-01			Prepared: 06/13/11	Analyzed: 06/14/11				
Benzene	31.3	1.0	ug/l	33.3	ND	94.0	52.7-130	0.672	19.3
Toluene	28.7	1.0	"	33.3	ND	86.2	57-127	7.28	18.7
Ethylbenzene	37.6	1.0	"	33.3	ND	113	59.2-127	3.52	20
m,p-Xylene	72.3	2.0	"	66.7	ND	108	53.2-132	4.25	20
o-Xylene	36.8	1.0	"	33.3	ND	110	56.3-117	3.12	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>12.0</i>		<i>"</i>	<i>13.3</i>		<i>89.9</i>	<i>83.1-115</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>96.1</i>	<i>80.8-120</i>		

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 - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
06/15/11 18:30

Notes and Definitions

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

Summit Scientific

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

August 02, 2011

Brian Dodek
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 07/28/11 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 - Bunyan No.1

Project Number: PDC 0876
 Project Manager: Brian Dodek

Reported:
 08/02/11 11:00

MW03
R107176-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/11 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	74	1.0	ug/l	1	1072909	07/29/11	08/01/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	58	1.0	"	"	"	"	"	"	
Xylenes (total)	160	1.0	"	"	"	"	"	"	

Date Sampled: **07/28/11 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.9 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.4 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.8 %	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 - Bunyan No.1

Project Number: PDC 0876
Project Manager: Brian Dodek

Reported:
08/02/11 11:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1072909 - EPA 5030 Water MS

Blank (1072909-BLK1)

Prepared: 07/29/11 Analyzed: 07/30/11

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	11.6		"	13.3		86.9	57.9-139				
Surrogate: Toluene-d8	12.3		"	13.3		92.5	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.2	80.8-120				

LCS (1072909-BS1)

Prepared: 07/29/11 Analyzed: 07/30/11

Benzene	29.2	1.0	ug/l	33.3		87.5	60.1-131		10.9		
Toluene	28.5	1.0	"	33.3		85.6	65.9-127		11.3		
Ethylbenzene	31.2	1.0	"	33.3		93.7	65.1-129		20		
m,p-Xylene	64.0	2.0	"	66.7		96.0	66.8-127		20		
o-Xylene	32.1	1.0	"	33.3		96.4	61.2-120		20		
Surrogate: 1,2-Dichloroethane-d4	11.9		"	13.3		89.0	57.9-139				
Surrogate: Toluene-d8	12.8		"	13.3		95.6	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.4	80.8-120				

LCS Dup (1072909-BSD1)

Prepared: 07/29/11 Analyzed: 07/30/11

Benzene	29.2	1.0	ug/l	33.3		87.6	60.1-131	0.103	10.9		
Toluene	28.8	1.0	"	33.3		86.4	65.9-127	0.907	11.3		
Ethylbenzene	32.2	1.0	"	33.3		96.7	65.1-129	3.15	20		
m,p-Xylene	65.5	2.0	"	66.7		98.2	66.8-127	2.36	20		
o-Xylene	32.7	1.0	"	33.3		98.1	61.2-120	1.73	20		
Surrogate: 1,2-Dichloroethane-d4	11.6		"	13.3		87.1	57.9-139				
Surrogate: Toluene-d8	12.6		"	13.3		94.1	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.7	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.



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

Project: PDC - Bunyan No.1

Project Number: PDC 0876
Project Manager: Brian Dodek

Reported:
08/02/11 11:00

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 1072909 - EPA 5030 Water MS

Matrix Spike (1072909-MS1)

Source: R107168-01

Prepared: 07/29/11

Analyzed: 07/30/11

Benzene	28.7	1.0	ug/l	33.3	ND	86.1	52.7-130		19.3	
Toluene	27.8	1.0	"	33.3	ND	83.5	57-127		18.7	
Ethylbenzene	30.9	1.0	"	33.3	ND	92.6	59.2-127		20	
m,p-Xylene	63.1	2.0	"	66.7	ND	94.7	53.2-132		20	
o-Xylene	31.4	1.0	"	33.3	ND	94.3	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	11.8		"	13.3		88.9	57.9-139			
Surrogate: Toluene-d8	12.4		"	13.3		92.9	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		90.2	80.8-120			

Matrix Spike Dup (1072909-MSD1)

Source: R107168-01

Prepared: 07/29/11

Analyzed: 07/30/11

Benzene	29.3	1.0	ug/l	33.3	ND	87.8	52.7-130	1.97	19.3	
Toluene	28.3	1.0	"	33.3	ND	85.0	57-127	1.85	18.7	
Ethylbenzene	31.4	1.0	"	33.3	ND	94.3	59.2-127	1.80	20	
m,p-Xylene	64.0	2.0	"	66.7	ND	96.1	53.2-132	1.46	20	
o-Xylene	31.9	1.0	"	33.3	ND	95.7	56.3-117	1.52	20	
Surrogate: 1,2-Dichloroethane-d4	12.1		"	13.3		90.8	57.9-139			
Surrogate: Toluene-d8	12.6		"	13.3		94.4	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.8	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 - Bunyan No.1

Project Number: PDC 0876
Project Manager: Brian Dodek

Reported:
08/02/11 11:00

Notes and Definitions

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

Summit Scientific

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 05, 2011

Brian Dodek
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Bunyan No.1

Enclosed are the results of analyses for samples received by Summit Scientific on 09/27/11 17:00. 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 - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
10/05/11 08:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R109162-01	Water	09/27/11 13:10	09/27/11 17:00
MW02	R109162-02	Water	09/27/11 13:20	09/27/11 17:00
MW03	R109162-03	Water	09/27/11 13:30	09/27/11 17:00
MW04	R109162-04	Water	09/27/11 13:40	09/27/11 17:00
MW05R	R109162-05	Water	09/27/11 13:50	09/27/11 17:00
MW06	R109162-06	Water	09/27/11 14:00	09/27/11 17:00

Summit Scientific

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



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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 10/05/11 08:59

MW01
R109162-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/27/11 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1092907	09/29/11	09/30/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/27/11 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		93.9 %	83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.0 %	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 - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 10/05/11 08:59

MW02
R109162-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/27/11 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1092907	09/29/11	09/30/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/27/11 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>110 %</i>	<i>57.9-139</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>91.4 %</i>	<i>83.1-115</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>100 %</i>	<i>80.8-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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 - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 10/05/11 08:59

MW03
R109162-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/27/11 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	30	1.0	ug/l	1	1092907	09/29/11	09/30/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	46	1.0	"	"	"	"	"	"	
Xylenes (total)	150	1.0	"	"	"	"	"	"	

Date Sampled: **09/27/11 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		114 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94.2 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		82.9 %	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 - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 10/05/11 08:59

MW04
R109162-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/27/11 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1092907	09/29/11	09/30/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/27/11 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>113 %</i>	<i>57.9-139</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>93.0 %</i>	<i>83.1-115</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>101 %</i>	<i>80.8-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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 - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 10/05/11 08:59

MW05R
R109162-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/27/11 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1092907	09/29/11	10/01/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/27/11 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>111 %</i>	<i>57.9-139</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>94.9 %</i>	<i>83.1-115</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>98.5 %</i>	<i>80.8-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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 - Bunyan No.1

Project Number: PDC00876.01
 Project Manager: Brian Dodek

Reported:
 10/05/11 08:59

MW06
R109162-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/27/11 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1092907	09/29/11	10/01/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/27/11 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>111 %</i>	<i>57.9-139</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>94.7 %</i>	<i>83.1-115</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>99.8 %</i>	<i>80.8-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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 - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
10/05/11 08:59

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 1092907 - EPA 5030 Water MS

Blank (1092907-BLK1)

Prepared: 09/29/11 Analyzed: 09/30/11

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	15.0		"	13.3	113	57.9-139				
Surrogate: Toluene-d8	12.6		"	13.3	94.7	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3	97.5	80.8-120				

LCS (1092907-BS1)

Prepared: 09/29/11 Analyzed: 09/30/11

Benzene	35.2	1.0	ug/l	33.3	106	60.1-131		10.9		
Toluene	35.8	1.0	"	33.3	107	65.9-127		11.3		
Ethylbenzene	38.1	1.0	"	33.3	114	65.1-129		20		
m,p-Xylene	67.4	2.0	"	66.7	101	66.8-127		20		
o-Xylene	36.6	1.0	"	33.3	110	61.2-120		20		
Surrogate: 1,2-Dichloroethane-d4	15.5		"	13.3	116	57.9-139				
Surrogate: Toluene-d8	13.2		"	13.3	98.8	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3	94.0	80.8-120				

LCS Dup (1092907-BSD1)

Prepared: 09/29/11 Analyzed: 09/30/11

Benzene	34.5	1.0	ug/l	33.3	103	60.1-131	2.18	10.9		
Toluene	34.3	1.0	"	33.3	103	65.9-127	4.22	11.3		
Ethylbenzene	38.2	1.0	"	33.3	115	65.1-129	0.420	20		
m,p-Xylene	65.3	2.0	"	66.7	97.9	66.8-127	3.20	20		
o-Xylene	36.5	1.0	"	33.3	109	61.2-120	0.438	20		
Surrogate: 1,2-Dichloroethane-d4	15.0		"	13.3	113	57.9-139				
Surrogate: Toluene-d8	12.7		"	13.3	95.5	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3	95.9	80.8-120				

Summit Scientific

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

Project: PDC - Bunyan No.1

Project Number: PDC00876.01
Project Manager: Brian Dodek

Reported:
10/05/11 08:59

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 1092907 - EPA 5030 Water MS

Matrix Spike (1092907-MS1)

Source: R109161-02

Prepared: 09/29/11

Analyzed: 09/30/11

Benzene	33.7	1.0	ug/l	33.3	ND	101	52.7-130		19.3	
Toluene	34.7	1.0	"	33.3	ND	104	57-127		18.7	
Ethylbenzene	37.0	1.0	"	33.3	ND	111	59.2-127		20	
m,p-Xylene	66.9	2.0	"	66.7	ND	100	53.2-132		20	
o-Xylene	36.9	1.0	"	33.3	ND	111	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	15.7		"	13.3		118	57.9-139			
Surrogate: Toluene-d8	13.2		"	13.3		98.7	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		89.9	80.8-120			

Matrix Spike Dup (1092907-MSD1)

Source: R109161-02

Prepared: 09/29/11

Analyzed: 09/30/11

Benzene	33.2	1.0	ug/l	33.3	ND	99.5	52.7-130	1.47	19.3	
Toluene	33.4	1.0	"	33.3	ND	100	57-127	3.96	18.7	
Ethylbenzene	37.6	1.0	"	33.3	ND	113	59.2-127	1.53	20	
m,p-Xylene	66.3	2.0	"	66.7	ND	99.4	53.2-132	0.901	20	
o-Xylene	35.5	1.0	"	33.3	ND	107	56.3-117	3.86	20	
Surrogate: 1,2-Dichloroethane-d4	14.8		"	13.3		111	57.9-139			
Surrogate: Toluene-d8	13.1		"	13.3		98.0	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		90.2	80.8-120			

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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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