



FOR COGCC USE ONLY  
**RECEIVED**  
JUN 22 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: **2522940**

**CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED**

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

**GENERAL INFORMATION**

<b>OGCC Operator Number:</b> 69175 Name of Operator: Petroleum Development Corporation Address: 1775 Sherman Street, Suite 3000 City: Denver State: CO Zip: 80203		Contact Name and Telephone Name: Brandon Bruns No: (303) 860-5800 Fax: (303) 860-5838	
API/Facility No: 05-123-20469 Facility Name: Ehrlich 24-7 Well Name: Ehrlich		County: Weld Facility Number: _____ Well Number: 24-7	
Location (Qtr, Sec, Twp, Rng, Meridian): SESW Sec 7 T6N R64W 6th PM Latitude: _____ Longitude: _____			

**TECHNICAL CONDITIONS**

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

Site Conditions: Is location within a sensitive area (according to Rule 901e)?  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: Olney fine sandy loam, 0 to 1 percent slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Surface water is located 480' east of the site; a building is located 570' southwest of the site; a water well is located 1,325' southwest of the site; and depth to groundwater is 8' 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>60' N-S x 100' E-W x 9' 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 November 30, 2010 (Spill #2522940).

Describe how source is to be removed:  
PDC shut-in the well producing to the battery. Once the dumpline was removed, approximately 1,000 cubic yards of impacted soil above COGCC Table 910-1 Concentration Levels were excavated from two areas and transported offsite for disposal. Soil samples were collected from the extent of the eastern excavation and from four hand auger borings (P03, P04, P06, and P07) to the west of the lease road. After analytical results from the hand auger borings indicated additional soil impacts, a second excavation was completed to the west and soil samples were collected. Soil samples were submitted for laboratory analysis of BTEX, TPH-GRO, and naphthalene by EPA Method 8260B and TPH-DRO by EPA Method 8015. Impacted water was recovered from the excavations by a vacuum truck and transported to a licensed disposal facility. Groundwater samples were collected from the excavations and submitted for laboratory analysis of BTEX by EPA Method 8260B. A topographic site location map and site map are provided as Figures 1 and 2, respectively.

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.:  
Approximately 1,000 cubic yards of impacted soil exceeding COGCC Table 910-1 Concentration Levels were transported to the Waste Management Landfill in Ault, Colorado for disposal. A total of 2,964 barrels of groundwater exceeding CDPHE Regulation 41 Standards for Groundwater were recovered and disposed of at a licensed facility.



Tracking Number: 01761261
Name of Operator: Petroleum Development Corporation
OGCC Operator No: 69175
Received Date: 6/22/11
Well Name & No: Ehrlich 24-7
Facility Name & No.: Ehrlich 24-7

REMEDIATION WORKPLAN (CONT.)

OGCC Employee: Axelson

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):
Monitoring wells MW01 through MW05 were installed at the site on April 28, 2011 (Figure 2). Monitoring wells could not be installed to the west of the excavations due to farming activities. Instead, the wells were placed along the roadside, which is further downgradient. Following installation, each well was developed, purged, and sampled. Groundwater samples were collected from the wells and submitted for laboratory analysis of BTEX by EPA Method 8260B. Laboratory results indicated the BTEX concentrations in groundwater in monitoring wells MW01, MW02, MW03, and MW05 were in compliance with the CDPHE Regulation 41 (Reg. 41) Groundwater Standards (Table 2). Monitoring well MW04 was dry, due to tight clay, and could not be sampled. PDC will continue to monitor groundwater concentrations at the site until four consecutive quarters of analytical results are in compliance with Reg. 41 Standards.

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

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.
Is further site investigation required? [ ] Y [X] N If yes, describe:

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):
Approximately 1,000 cubic yards of impacted soil exceeding COGCC Table 910-1 concentration levels were transported to the Waste Management Landfill in Ault, Colorado for disposal. A total of 2,964 barrels of groundwater exceeding CDPHE Regulation 41 standards were recovered and disposed of at a licensed facility.

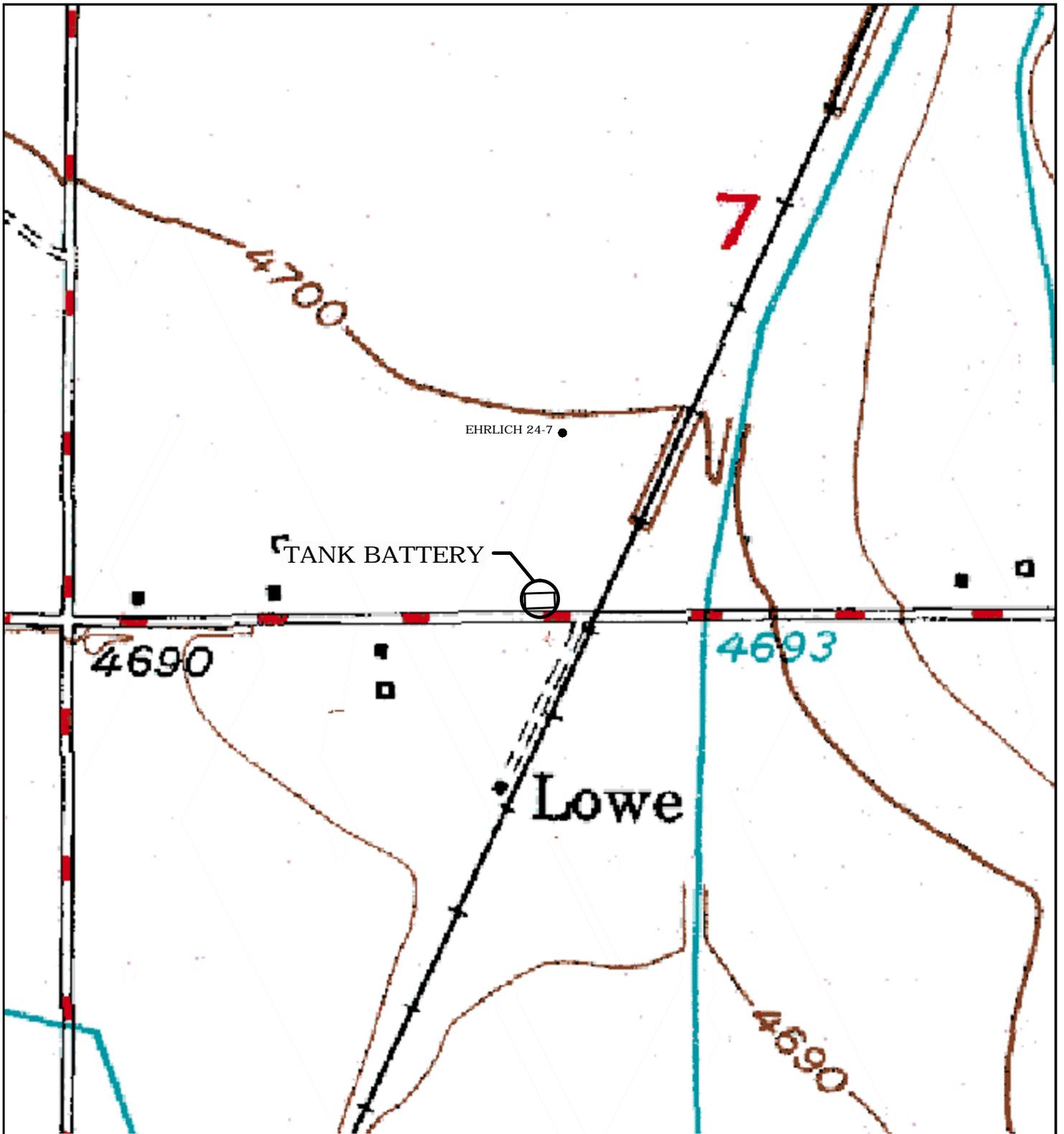
IMPLEMENTATION SCHEDULE

Table with 4 columns: Date Site Investigation Began (12/30/2010), Date Site Investigation Completed (1/21/2011), Remediation Plan Submitted (6/2/2011), Remediation Start Date (1/5/2011), Anticipated Completion Date (1/1/2012), Actual Completion Date (TBD)

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

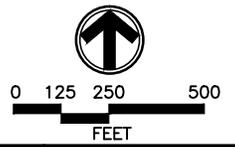
Signed: [Signature] Title: Environmental Field Coordinator Date: 6/2/2011

OGCC Approved: [Signature] Title: EPS Date: 6/22/11



LEGEND

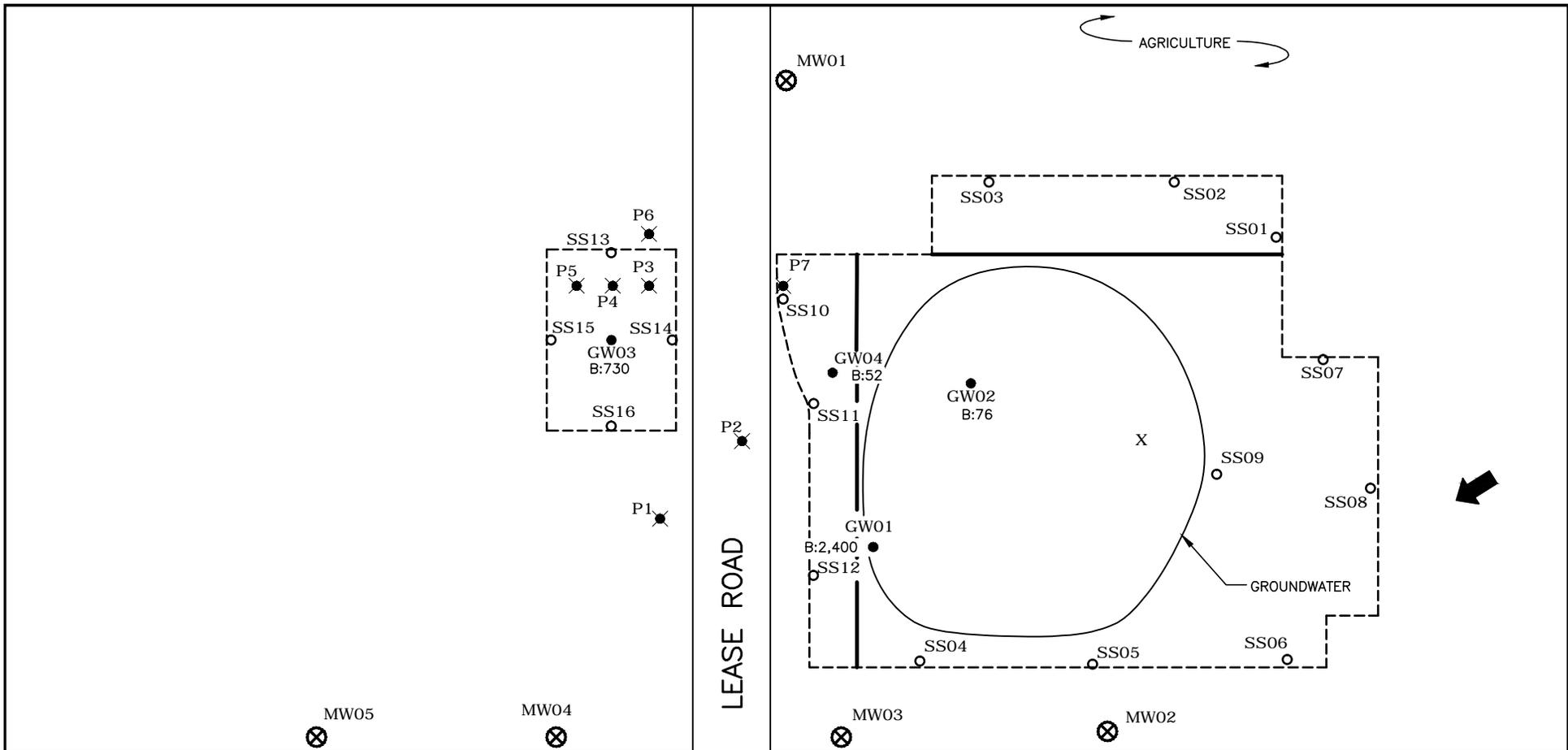
-  TANK BATTERY
-  WELL LOCATION



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

FIGURE 1  
SITE LOCATION MAP  
EHRlich 24-7  
SESW 7-T6N-R64W  
WELD COUNTY, CO  
PETROLEUM DEVELOPMENT CORPORATION

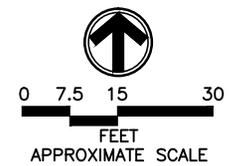




**LEGEND**

- MONITORING WELL
- P1 HAND AUGER LOCATION
- SS01 SOIL SAMPLE LOCATION
- GW01 WATER SAMPLE LOCATION
- B:** BENZENE CONCENTRATION ( $\mu\text{g/L}$ )
- X** RELEASE LOCATION
- BERM
- EXTENT OF EXCAVATION
- ESTIMATED GROUNDWATER FLOW DIRECTION

COUNTY ROAD 70



SOURCE:  
GPS COORDINATE  
SYSTEM

**FIGURE 2**  
**SITE MAP**  
**EHRlich 24-7**  
**SESW 7-T6N-R64W**  
**WELD COUNTY, CO**  
**PETROLEUM DEVELOPMENT CORPORATION**



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**EHRlich 24-7 (API No. 05-123-20469)**  
**WELD COUNTY, COLORADO**  
**PETROLEUM DEVELOPMENT CORPORATION**

Sample ID	Depth (ft bgs)	Date Sampled	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)
P3	8	11/04/2010	0.27	<0.0050	<0.0050	0.053	0.0061	2.3
P4	9	11/04/2010	0.20	0.017	0.013	0.47	0.016	15
P6	8	11/04/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
P7	7	11/04/2010	2.0	38	4.3	77	1.5	2680
SS01	8	10/27/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	0.62
SS02	8	10/27/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
SS03	8	10/27/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
SS04	4	11/02/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
SS05	4	11/02/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
SS06	4	11/02/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
SS07	4	11/02/2010	0.0055	<0.0050	<0.0050	0.0088	<0.0050	<50.5
SS08	4	11/02/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
SS09	8	11/02/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
SS10	8	12/01/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	1.1
SS11	8	12/01/2010	0.13	0.20	0.051	0.88	0.056	284
SS12	8	12/01/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
SS13	8	12/01/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
SS14	8	12/01/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
SS15	8	12/01/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5
SS16	8	12/01/2010	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<50.5



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**EHRlich 24-7 (API No. 05-123-20469)**  
**WELD COUNTY, COLORADO**  
**PETROLEUM DEVELOPMENT CORPORATION**

<b>Sample ID</b>	<b>Depth (ft bgs)</b>	<b>Date Sampled</b>	<b>Benzene (mg/kg)</b>	<b>Toluene (mg/kg)</b>	<b>Ethyl- benzene (mg/kg)</b>	<b>Xylenes (mg/kg)</b>	<b>Naph- thalene (mg/kg)</b>	<b>TPH (mg/kg)</b>
<b>Basic Standards for Soil</b>			<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>23</b>	<b>500</b>

**Notes:**

< - less than stated laboratory reporting limit

NA - Not Analyzed

mg/kg - milligrams per kilogram

ft bgs - feet below ground surface

TPH - Total Petroleum Hydrocarbons (C6-C28)

API - American Petroleum Institute

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

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



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS AND FIELD PARAMETERS**  
**EHRlich 24-7 (API No. 05-123-20469)**  
**WELD COUNTY, COLORADO**  
**PETROLEUM DEVELOPMENT CORPORATION**

Sample ID	Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Xylenes (ug/L)	Depth to Water (ft btoc)
GW01	10/27/2010	<b>2400</b>	210	48	340	NM
GW02	12/01/2010	<b>1600</b>	97	9.9	350	NM
	12/16/2010	<b>7.0</b>	2.6	<1.0	4.3	NM
	01/04/2011	<b>16</b>	33	7.0	64	NM
	01/21/2011	<b>76</b>	470	52	440	NM
GW03	12/01/2010	<b>120</b>	37	3.5	38	NM
	12/16/2010	<b>760</b>	3.3	<1.0	46	NM
	01/04/2011	3.8	<1.0	<1.0	<1.0	NM
	01/21/2011	<b>730</b>	2.7	<1.0	42	NM
GW04	12/16/2010	<b>42</b>	8.5	<1.0	13	NM
	01/04/2011	2.0	<1.0	<1.0	<1.0	NM
	01/21/2011	<b>52</b>	8.4	2.3	50	NM
MW01	04/29/2011	<1.0	<1.0	<1.0	<1.0	8.50
MW02	04/29/2011	<1.0	<1.0	<1.0	2.7	9.01
MW03	04/29/2011	Dry - Not Sampled				
	05/05/2011	<1.0	2.0	<1.0	8.5	NM
MW04	04/29/2011	Dry - Not Sampled				
MW05	04/29/2011	Dry - Not Sampled				
	05/05/2011	<1.0	<1.0	<1.0	<1.0	NM
<b>Basic Standards for Groundwater:</b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	

**Notes:**

< - less than

ug/L - micrograms per Liter

NA - Not Analyzed/Not Available

NM - Not measured

API - American Petroleum Institute

ft btoc - feet below top of casing

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

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

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



# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

October 28, 2010

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 24-7

Enclosed are the results of analyses for samples received by Summit Scientific on 10/27/10 19:10. 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 - Ehrlich 24-7

Project Number: PDC 10040.05  
Project Manager: Brian Dodek

**Reported:**  
10/28/10 12:26

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS01	R010205-01	Soil	10/27/10 17:00	10/27/10 19:10
SS02	R010205-02	Soil	10/27/10 17:05	10/27/10 19:10
SS03	R010205-03	Soil	10/27/10 17:10	10/27/10 19:10
GW01	R010205-04	Water	10/27/10 16:45	10/27/10 19:10

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 - Ehrlich 24-7

Project Number: PDC 10040.05  
Project Manager: Brian Dodek

Reported:  
10/28/10 12:26



741 Corporate Circle Suite 1 • Golden, Colorado 80401  
303-277-9310 • 303-277-9331 Fax

Page / of /

Client: LT Environmental, Inc.  
Address: 4600 West 60th Avenue  
City/State/Zip: Arvada, CO 80003  
Phone: (303) 433-9788  
Sampler Name: Deva Girthin

Project Manager: Brian Dodek  
E-Mail: bdodek@ltenv.com  
Project Name: Ehrlich 24-7  
Project Number: PDC10040.05

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix		Analyze For:						Special Instructions			
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO	GBTEX / Map	BTEX	Table 9.10 Full		Table 9.10 Short	PH / EC	SAR
S501	10-27-10	1700	1		X					X			X	X					
S502		1705	1		X					X			X	X					
S503		1710	1		X					X			X	X					
GW01		1645	3	X											X				

Relinquished by: <i>Deva Girthin</i>	Date/Time: 10-27-10	Received by: <i>[Signature]</i>	Date/Time: 10/27/10	Turn Around Time (Check): <input checked="" type="checkbox"/> Same Day, <input type="checkbox"/> 24 Hours, <input type="checkbox"/> 48 Hours, <input type="checkbox"/> 72 Hours Standard	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity: <input checked="" type="checkbox"/> Intact, <input type="checkbox"/> Not Intact	Temperature Upon Receipt: 5.2
Relinquished by:	Date/Time:	Received in Lab by: <i>[Signature]</i>	Date/Time: 10/28/10	www.s2scientific.com	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10040.05  
Project Manager: Brian Dodek

**Reported:**  
10/28/10 12:26

**SS01**  
**R010205-01 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **10/27/10 17:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0102713	10/27/10	10/28/10	8015 DRO	

Date Sampled: **10/27/10 17:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		104 %	88.8-124		"	"	"	"	

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

Date Sampled: **10/27/10 17:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0102703	10/27/10	10/27/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>0.62</b>	0.50	"	"	"	"	"	"	

Date Sampled: **10/27/10 17:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		114 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		97.2 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10040.05  
Project Manager: Brian Dodek

**Reported:**  
10/28/10 12:26

**SS02**  
**R010205-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **10/27/10 17:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0102713	10/27/10	10/28/10	8015 DRO	

Date Sampled: **10/27/10 17:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		105 %	88.8-124		"	"	"	"	

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

Date Sampled: **10/27/10 17:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0102703	10/27/10	10/27/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **10/27/10 17:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		111 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		97.7 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10040.05  
Project Manager: Brian Dodek

**Reported:**  
10/28/10 12:26

**SS03**  
**R010205-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **10/27/10 17:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0102713	10/27/10	10/28/10	8015 DRO	

Date Sampled: **10/27/10 17:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		106 %	88.8-124		"	"	"	"	

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

Date Sampled: **10/27/10 17:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0102703	10/27/10	10/27/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **10/27/10 17:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		118 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		96.8 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10040.05  
 Project Manager: Brian Dodek

**Reported:**  
 10/28/10 12:26

**GW01**  
**R010205-04 (Water)**

**Summit Scientific**

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

Date Sampled: **10/27/10 16:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>2400</b>	100	ug/l	100	0102712	10/27/10	10/27/10	EPA 8260B	
<b>Toluene</b>	<b>210</b>	1.0	"	1	"	"	10/27/10	"	
<b>Ethylbenzene</b>	<b>48</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>340</b>	1.0	"	"	"	"	"	"	

Date Sampled: **10/27/10 16:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.6 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.2 %	80.8-120		"	"	"	"	

Summit Scientific

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



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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10040.05  
Project Manager: Brian Dodek

**Reported:**  
10/28/10 12:26

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

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

**Batch 0102713 - EPA 3550A**

<b>Blank (0102713-BLK1)</b>				Prepared: 10/27/10 Analyzed: 10/28/10							
C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	13.2		"	12.5	106	88.8-124					
<b>LCS (0102713-BS1)</b>				Prepared: 10/27/10 Analyzed: 10/28/10							
C10-C28 (DRO)	478	50	mg/kg	501	95.4	81.4-129				9.26	
<b>LCS Dup (0102713-BSD1)</b>				Prepared: 10/27/10 Analyzed: 10/28/10							
C10-C28 (DRO)	491	50	mg/kg	501	98.0	81.4-129	2.68			9.26	
<b>Matrix Spike (0102713-MS1)</b>				Source: R010202-01 Prepared: 10/27/10 Analyzed: 10/28/10							
C10-C28 (DRO)	486	50	mg/kg	501	24.1	92.1	77.8-133			8.48	
<b>Matrix Spike Dup (0102713-MSD1)</b>				Source: R010202-01 Prepared: 10/27/10 Analyzed: 10/28/10							
C10-C28 (DRO)	498	50	mg/kg	501	24.1	94.6	77.8-133	2.49		8.48	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10040.05  
Project Manager: Brian Dodek

**Reported:**  
10/28/10 12:26

**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 0102703 - EPA 5030 Soil MS**

**Blank (0102703-BLK1)**

Prepared: 10/27/10 Analyzed: 10/28/10

Naphthalene	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
m,p-Xylene	ND	0.010	"							
o-Xylene	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0418</i>		<i>"</i>	<i>0.0400</i>	<i>104</i>	<i>67.4-143</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0385</i>		<i>"</i>	<i>0.0400</i>	<i>96.2</i>	<i>77.3-114</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0415</i>		<i>"</i>	<i>0.0400</i>	<i>104</i>	<i>78.4-125</i>				

**LCS (0102703-BS1)**

Prepared: 10/27/10 Analyzed: 10/28/10

Naphthalene	ND	0.0050	mg/kg			67.8-151			20	
Benzene	0.104	0.0050	"	0.100	104	61-139			11.1	
Toluene	0.0987	0.0050	"	0.100	98.7	64-132			10.9	
Ethylbenzene	0.100	0.0050	"	0.100	100	68.7-135			20	
m,p-Xylene	0.194	0.010	"	0.200	96.9	70.4-129			20	
o-Xylene	0.0968	0.0050	"	0.100	96.8	66.9-126			20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0449</i>		<i>"</i>	<i>0.0400</i>	<i>112</i>	<i>67.4-143</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0397</i>		<i>"</i>	<i>0.0400</i>	<i>99.2</i>	<i>77.3-114</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0393</i>		<i>"</i>	<i>0.0400</i>	<i>98.2</i>	<i>78.4-125</i>				

**LCS Dup (0102703-BSD1)**

Prepared: 10/27/10 Analyzed: 10/28/10

Naphthalene	ND	0.0050	mg/kg			67.8-151			20	
Benzene	0.0979	0.0050	"	0.100	97.9	61-139	6.12		11.1	
Toluene	0.0949	0.0050	"	0.100	94.9	64-132	3.91		10.9	
Ethylbenzene	0.0965	0.0050	"	0.100	96.5	68.7-135	3.72		20	
m,p-Xylene	0.187	0.010	"	0.200	93.6	70.4-129	3.48		20	
o-Xylene	0.0940	0.0050	"	0.100	94.0	66.9-126	2.96		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0415</i>		<i>"</i>	<i>0.0400</i>	<i>104</i>	<i>67.4-143</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0404</i>		<i>"</i>	<i>0.0400</i>	<i>101</i>	<i>77.3-114</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0387</i>		<i>"</i>	<i>0.0400</i>	<i>96.8</i>	<i>78.4-125</i>				

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10040.05  
Project Manager: Brian Dodek

**Reported:**  
10/28/10 12:26

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

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

**Batch 0102703 - EPA 5030 Soil MS**

**Matrix Spike (0102703-MS1)**

Source: R010155-01

Prepared: 10/27/10 Analyzed: 10/28/10

Naphthalene	ND	0.0050	mg/kg	0.00	0.00	104	26.4-144		20	
Benzene	0.104	0.0050	"	0.100	0.00	99.9	42.9-137	4.55	17.9	
Toluene	0.0999	0.0050	"	0.100	0.00	94.7	42.6-130	5.30	11.9	
Ethylbenzene	0.0995	0.0050	"	0.100	0.00	95.2	39-133	4.44	20	
m,p-Xylene	0.193	0.010	"	0.200	0.00	92.1	34.7-134	4.51	20	
o-Xylene	0.0975	0.0050	"	0.100	0.00	93.0	41.3-126	4.76	20	
Surrogate: 1,2-Dichloroethane-d4	0.0490		"	0.0400		120	67.4-143			
Surrogate: Toluene-d8	0.0402		"	0.0400		99.3	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0407		"	0.0400		99.7	78.4-125			

**Matrix Spike Dup (0102703-MSD1)**

Source: R010155-01

Prepared: 10/27/10 Analyzed: 10/28/10

Naphthalene	ND	0.0050	mg/kg	0.00	0.00	104	26.4-144		20	
Benzene	0.0993	0.0050	"	0.100	0.00	99.3	42.9-137	4.55	17.9	
Toluene	0.0947	0.0050	"	0.100	0.00	94.7	42.6-130	5.30	11.9	
Ethylbenzene	0.0952	0.0050	"	0.100	0.00	95.2	39-133	4.44	20	
m,p-Xylene	0.184	0.010	"	0.200	0.00	92.1	34.7-134	4.51	20	
o-Xylene	0.0930	0.0050	"	0.100	0.00	93.0	41.3-126	4.76	20	
Surrogate: 1,2-Dichloroethane-d4	0.0478		"	0.0400		120	67.4-143			
Surrogate: Toluene-d8	0.0397		"	0.0400		99.3	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.7	78.4-125			

**Batch 0102712 - EPA 5030 Water MS**

**Blank (0102712-BLK1)**

Prepared & Analyzed: 10/27/10

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.6		"	13.3		94.7	57.9-139			
Surrogate: Toluene-d8	12.6		"	13.3		94.8	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.3	80.8-120			

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10040.05  
Project Manager: Brian Dodek

**Reported:**  
10/28/10 12:26

**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 0102712 - EPA 5030 Water MS**

**LCS (0102712-BS1)**

Prepared & Analyzed: 10/27/10

Benzene	28.3	1.0	ug/l	33.3		85.0	60.1-131		10.9	
Toluene	25.3	1.0	"	33.3		75.8	65.9-127		11.3	
Ethylbenzene	30.9	1.0	"	33.3		92.7	65.1-129		20	
m,p-Xylene	56.5	2.0	"	66.7		84.7	66.8-127		20	
o-Xylene	27.1	1.0	"	33.3		81.3	61.2-120		20	
Surrogate: 1,2-Dichloroethane-d4	12.9		"	13.3		96.6	57.9-139			
Surrogate: Toluene-d8	12.6		"	13.3		94.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.7	80.8-120			

**LCS Dup (0102712-BSD1)**

Prepared & Analyzed: 10/27/10

Benzene	28.8	1.0	ug/l	33.3		86.3	60.1-131	1.51	10.9	
Toluene	25.9	1.0	"	33.3		77.6	65.9-127	2.39	11.3	
Ethylbenzene	31.3	1.0	"	33.3		94.0	65.1-129	1.38	20	
m,p-Xylene	57.1	2.0	"	66.7		85.7	66.8-127	1.14	20	
o-Xylene	28.4	1.0	"	33.3		85.2	61.2-120	4.65	20	
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.1	57.9-139			
Surrogate: Toluene-d8	12.7		"	13.3		95.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		97.1	80.8-120			

**Matrix Spike (0102712-MS1)**

Source: R010190-03

Prepared & Analyzed: 10/27/10

Benzene	29.5	1.0	ug/l	33.3	ND	88.6	52.7-130		19.3	
Toluene	26.0	1.0	"	33.3	ND	78.2	57-127		18.7	
Ethylbenzene	31.8	1.0	"	33.3	ND	95.5	59.2-127		20	
m,p-Xylene	59.1	2.0	"	66.7	ND	88.6	53.2-132		20	
o-Xylene	28.7	1.0	"	33.3	ND	86.2	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.7	57.9-139			
Surrogate: Toluene-d8	12.8		"	13.3		96.0	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		97.1	80.8-120			

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10040.05  
 Project Manager: Brian Dodek

**Reported:**  
 10/28/10 12:26

**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 0102712 - EPA 5030 Water MS**

<b>Matrix Spike Dup (0102712-MSD1)</b>	<b>Source: R010190-03</b>			<b>Prepared &amp; Analyzed: 10/27/10</b>						
Benzene	29.2	1.0	ug/l	33.3	ND	87.6	52.7-130	1.12	19.3	
Toluene	25.8	1.0	"	33.3	ND	77.5	57-127	0.848	18.7	
Ethylbenzene	30.9	1.0	"	33.3	ND	92.8	59.2-127	2.84	20	
m,p-Xylene	57.3	2.0	"	66.7	ND	85.9	53.2-132	3.06	20	
o-Xylene	26.5	1.0	"	33.3	ND	79.5	56.3-117	8.08	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>99.7</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>		<i>95.4</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>			

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10040.05  
Project Manager: Brian Dodek

**Reported:**  
10/28/10 12:26

### Notes and Definitions

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

---

Summit Scientific

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# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

November 03, 2010

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 24-7

Enclosed are the results of analyses for samples received by Summit Scientific on 11/02/10 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 - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS04@4'	R011016-01	Soil	11/02/10 14:55	11/02/10 17:00
SS05@4'	R011016-02	Soil	11/02/10 15:00	11/02/10 17:00
SS06@4'	R011016-03	Soil	11/02/10 15:05	11/02/10 17:00
SS07@4'	R011016-04	Soil	11/02/10 15:10	11/02/10 17:00
SS08@4'	R011016-05	Soil	11/02/10 15:15	11/02/10 17:00
SS09@8'	R011016-06	Soil	11/02/10 15:20	11/02/10 17:00

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

# Summit Scientific

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

Page 1 of 7

Client: LT Environmental, Inc. Project Manager: Brian Dodek  
Address: 4600 West 60th Avenue E-Mail: [bdodek@ltenv.com](mailto:bdodek@ltenv.com)  
City/State/Zip: Arvada, CO 80003 Project Name: Ehrlich 24-7  
Phone: (303) 433-9788 Fax: (303) 433-1432 Project Number: PDC/10037  
Sampler Name:

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix				Analyze For:						Special Instructions	Notes												
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO	GBTEX	BTEX	Table 9.10 Full	Table 9.10 Short	pH / EC			SAR											
550109'	11/2	14:35	1		X			X					X	X	X	X															
550204'	11/2	15:00	1		X			X					X	X	X	X															
550304'	11/2	15:05	1		X			X					X	X	X	X															
550404'	11/2	15:10	1		X			X					X	X	X	X															
550504'	11/2	15:15	1		X			X					X	X	X	X															
550608'	11/2	15:20	1		X			X					X	X	X	X															
Relinquished by:	Date/Time:																														
Relinquished by:	Date/Time:	11/2	5 pm																												
Received by:	Date/Time:																														
Received by:	Date/Time:																														
Received in Lab by:	Date/Time:																														
				Turn Around Time (Check)				Sample Integrity:																							
				Same Day				Temperature Upon Receipt: 5.0																							
				24 Hours				Intact: Yes No																							
				48 Hours																											
				72 Hours Standard																											

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Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

**SS04@4'**  
**R011016-01 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/02/10 14:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0110208	11/02/10	11/03/10	8015 DRO	

Date Sampled: 11/02/10 14:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		106 %	88.8-124		"	"	"	"	

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

Date Sampled: 11/02/10 14:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0110207	11/02/10	11/02/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 11/02/10 14:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

**SS05@4'**  
**R011016-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/02/10 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0110208	11/02/10	11/03/10	8015 DRO	

Date Sampled: 11/02/10 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	88.8-124		"	"	"	"	

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

Date Sampled: 11/02/10 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0110207	11/02/10	11/02/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 11/02/10 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		94.6 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	78.4-125		"	"	"	"	

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 - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

**SS06@4'**  
**R011016-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/02/10 15:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0110208	11/02/10	11/03/10	8015 DRO	

Date Sampled: 11/02/10 15:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	88.8-124		"	"	"	"	

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

Date Sampled: 11/02/10 15:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0110207	11/02/10	11/03/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 11/02/10 15:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		96.4 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	78.4-125		"	"	"	"	

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 - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

**SS07@4'**  
**R011016-04 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/02/10 15:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0110208	11/02/10	11/03/10	8015 DRO	

Date Sampled: 11/02/10 15:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	88.8-124		"	"	"	"	

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

Date Sampled: 11/02/10 15:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0110207	11/02/10	11/03/10	EPA 8260B	
<b>Benzene</b>	<b>0.0055</b>	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<b><i>o</i>-Xylene</b>	<b>0.0088</b>	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 11/02/10 15:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		96.0 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

**SS08@4'**  
**R011016-05 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/02/10 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0110208	11/02/10	11/03/10	8015 DRO	

Date Sampled: 11/02/10 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	88.8-124		"	"	"	"	

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

Date Sampled: 11/02/10 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0110207	11/02/10	11/03/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 11/02/10 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane- <i>d</i> 4		108 %	67.4-143		"	"	"	"	
Surrogate: Toluene- <i>d</i> 8		93.8 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

**SS09@8'**  
**R011016-06 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/02/10 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0110208	11/02/10	11/03/10	8015 DRO	

Date Sampled: 11/02/10 15:20

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

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

Date Sampled: 11/02/10 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0110207	11/02/10	11/03/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 11/02/10 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane- <i>d</i> 4		116 %	67.4-143		"	"	"	"	
Surrogate: Toluene- <i>d</i> 8		97.6 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

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

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

**Batch 0110208 - EPA 3550A**

**Blank (0110208-BLK1)**

Prepared & Analyzed: 11/02/10

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	<i>13.8</i>		<i>"</i>	<i>12.5</i>		<i>110</i>	<i>88.8-124</i>				

**LCS (0110208-BS1)**

Prepared & Analyzed: 11/02/10

C10-C28 (DRO)	558	50	mg/kg	501		111	81.4-129			9.26	
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**LCS Dup (0110208-BSD1)**

Prepared & Analyzed: 11/02/10

C10-C28 (DRO)	560	50	mg/kg	501		112	81.4-129	0.344		9.26	
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**Matrix Spike (0110208-MS1)**

Source: R011013-01

Prepared: 11/02/10 Analyzed: 11/03/10

C10-C28 (DRO)	532	50	mg/kg	501	30.3	100	77.8-133			8.48	
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**Matrix Spike Dup (0110208-MSD1)**

Source: R011013-01

Prepared: 11/02/10 Analyzed: 11/03/10

C10-C28 (DRO)	535	50	mg/kg	501	30.3	101	77.8-133	0.612		8.48	
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Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

**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 0110207 - EPA 5030 Soil MS**

**Blank (0110207-BLK1)**

Prepared & Analyzed: 11/02/10

Naphthalene	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
m,p-Xylene	ND	0.010	"							
o-Xylene	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0389</i>		<i>"</i>	<i>0.0400</i>	<i>97.3</i>	<i>67.4-143</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0369</i>		<i>"</i>	<i>0.0400</i>	<i>92.3</i>	<i>77.3-114</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0404</i>		<i>"</i>	<i>0.0400</i>	<i>101</i>	<i>78.4-125</i>				

**LCS (0110207-BS1)**

Prepared & Analyzed: 11/02/10

Naphthalene	ND	0.0050	mg/kg			67.8-151			20	
Benzene	0.0962	0.0050	"	0.100	96.2	61-139			11.1	
Toluene	0.0927	0.0050	"	0.100	92.7	64-132			10.9	
Ethylbenzene	0.0995	0.0050	"	0.100	99.5	68.7-135			20	
m,p-Xylene	0.190	0.010	"	0.200	95.2	70.4-129			20	
o-Xylene	0.0929	0.0050	"	0.100	92.9	66.9-126			20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0380</i>		<i>"</i>	<i>0.0400</i>	<i>94.9</i>	<i>67.4-143</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0388</i>		<i>"</i>	<i>0.0400</i>	<i>97.0</i>	<i>77.3-114</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0371</i>		<i>"</i>	<i>0.0400</i>	<i>92.8</i>	<i>78.4-125</i>				

**LCS Dup (0110207-BSD1)**

Prepared & Analyzed: 11/02/10

Naphthalene	ND	0.0050	mg/kg			67.8-151			20	
Benzene	0.100	0.0050	"	0.100	100	61-139	3.98		11.1	
Toluene	0.0971	0.0050	"	0.100	97.1	64-132	4.65		10.9	
Ethylbenzene	0.101	0.0050	"	0.100	101	68.7-135	1.02		20	
m,p-Xylene	0.195	0.010	"	0.200	97.6	70.4-129	2.55		20	
o-Xylene	0.0960	0.0050	"	0.100	96.0	66.9-126	3.27		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0406</i>		<i>"</i>	<i>0.0400</i>	<i>101</i>	<i>67.4-143</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0388</i>		<i>"</i>	<i>0.0400</i>	<i>97.1</i>	<i>77.3-114</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0389</i>		<i>"</i>	<i>0.0400</i>	<i>97.2</i>	<i>78.4-125</i>				

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

**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 0110207 - EPA 5030 Soil MS**

<b>Matrix Spike (0110207-MS1)</b>	<b>Source: R011013-01</b>			<b>Prepared &amp; Analyzed: 11/02/10</b>						
Naphthalene	ND	0.0050	mg/kg	0.00	0.00		26.4-144			20
Benzene	0.0775	0.0050	"	0.100	0.00	77.5	42.9-137			17.9
Toluene	0.0740	0.0050	"	0.100	0.00	74.0	42.6-130			11.9
Ethylbenzene	0.0771	0.0050	"	0.100	0.00	77.1	39-133			20
m,p-Xylene	0.149	0.010	"	0.200	0.00	74.6	34.7-134			20
o-Xylene	0.0737	0.0050	"	0.100	0.00	73.7	41.3-126			20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0406</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0386</i>		<i>"</i>	<i>0.0400</i>		<i>96.5</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0377</i>		<i>"</i>	<i>0.0400</i>		<i>94.4</i>	<i>78.4-125</i>			

<b>Matrix Spike Dup (0110207-MSD1)</b>	<b>Source: R011013-01</b>			<b>Prepared &amp; Analyzed: 11/02/10</b>						
Naphthalene	ND	0.0050	mg/kg	0.00	0.00		26.4-144			20
Benzene	0.0841	0.0050	"	0.100	0.00	84.1	42.9-137	8.13		17.9
Toluene	0.0804	0.0050	"	0.100	0.00	80.4	42.6-130	8.32		11.9
Ethylbenzene	0.0823	0.0050	"	0.100	0.00	82.3	39-133	6.51		20
m,p-Xylene	0.160	0.010	"	0.200	0.00	79.8	34.7-134	6.82		20
o-Xylene	0.0801	0.0050	"	0.100	0.00	80.1	41.3-126	8.27		20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0442</i>		<i>"</i>	<i>0.0400</i>		<i>110</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0386</i>		<i>"</i>	<i>0.0400</i>		<i>96.6</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0395</i>		<i>"</i>	<i>0.0400</i>		<i>98.7</i>	<i>78.4-125</i>			

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/03/10 11:28

### Notes and Definitions

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

---

Summit Scientific

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# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

November 05, 2010

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 24-7

Enclosed are the results of analyses for samples received by Summit Scientific on 11/04/10 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Paul Shrewsbury For Ben Shrewsbury  
President / Laboratory Director



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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/05/10 16:02

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P4@9'	R011031-01	Soil	11/04/10 13:30	11/04/10 17:00
P3@8'	R011031-02	Soil	11/04/10 14:00	11/04/10 17:00
P6@8'	R011031-03	Soil	11/04/10 14:30	11/04/10 17:00
P7@7'	R011031-04	Soil	11/04/10 15:00	11/04/10 17:00

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/05/10 16:02

**P4@9'**  
**R011031-01 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/04/10 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0110409	11/04/10	11/04/10	8015 DRO	

Date Sampled: 11/04/10 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	88.8-124		"	"	"	"	

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

Date Sampled: 11/04/10 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	0.016	0.0050	mg/kg	1	0110408	11/04/10	11/04/10	EPA 8260B	
Benzene	0.20	0.0050	"	"	"	"	"	"	
Toluene	0.017	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.013	0.0050	"	"	"	"	"	"	
<i>m,p</i> -Xylene	0.28	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	0.19	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	15	0.50	"	"	"	"	"	"	

Date Sampled: 11/04/10 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane- <i>d</i> 4		100 %	67.4-143		"	"	"	"	
Surrogate: Toluene- <i>d</i> 8		96.2 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/05/10 16:02

**P3@8'**  
**R011031-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/04/10 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0110409	11/04/10	11/04/10	8015 DRO	

Date Sampled: 11/04/10 14:00

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

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

Date Sampled: 11/04/10 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Naphthalene</b>	<b>0.0061</b>	0.0050	mg/kg	1	0110408	11/04/10	11/04/10	EPA 8260B	
<b>Benzene</b>	<b>0.27</b>	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>0.028</b>	0.010	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>0.025</b>	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>2.3</b>	0.50	"	"	"	"	"	"	

Date Sampled: 11/04/10 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		74.5 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		95.8 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %	78.4-125		"	"	"	"	

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 - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/05/10 16:02

**P6@8'**  
**R011031-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/04/10 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0110409	11/04/10	11/04/10	8015 DRO	

Date Sampled: 11/04/10 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		106 %	88.8-124		"	"	"	"	

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

Date Sampled: 11/04/10 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0110408	11/04/10	11/04/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 11/04/10 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane- <i>d</i> 4		105 %	67.4-143		"	"	"	"	
Surrogate: Toluene- <i>d</i> 8		95.6 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	78.4-125		"	"	"	"	

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/05/10 16:02

**P7@7'**

**R011031-04 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/04/10 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>880</b>	50	mg/kg	1	0110409	11/04/10	11/04/10	8015 DRO	

Date Sampled: 11/04/10 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		113 %	88.8-124		"	"	"	"	

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

Date Sampled: 11/04/10 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Naphthalene</b>	<b>1.5</b>	0.050	mg/kg	10	0110408	11/04/10	11/04/10	EPA 8260B	
<b>Benzene</b>	<b>2.0</b>	0.050	"	"	"	"	"	"	
<b>Toluene</b>	<b>38</b>	0.50	"	100	"	"	"	"	
<b>Ethylbenzene</b>	<b>4.3</b>	0.050	"	10	"	"	"	"	
<b>m,p-Xylene</b>	<b>57</b>	1.0	"	100	"	"	"	"	
<b>o-Xylene</b>	<b>20</b>	0.50	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>1800</b>	50	"	"	"	"	"	"	

Date Sampled: 11/04/10 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.3 %	67.4-143		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.8 %	77.3-114		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		86.4 %	78.4-125		"	"	"	"	

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
 Project Manager: Brian Dodek

**Reported:**  
 11/05/10 16:02

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

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

**Batch 0110409 - EPA 3550A**

<b>Blank (0110409-BLK1)</b>				Prepared: 11/04/10 Analyzed: 11/05/10							
C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	13.5		"	12.5	108	88.8-124					
<b>LCS (0110409-BS1)</b>				Prepared & Analyzed: 11/04/10							
C10-C28 (DRO)	515	50	mg/kg	501	103	81.4-129				9.26	
<b>LCS Dup (0110409-BSD1)</b>				Prepared & Analyzed: 11/04/10							
C10-C28 (DRO)	513	50	mg/kg	501	102	81.4-129	0.377			9.26	
<b>Matrix Spike (0110409-MS1)</b>				<b>Source: R011031-01</b>		Prepared: 11/04/10 Analyzed: 11/05/10					
C10-C28 (DRO)	521	50	mg/kg	501	33.0	97.3	77.8-133			8.48	
<b>Matrix Spike Dup (0110409-MSD1)</b>				<b>Source: R011031-01</b>		Prepared: 11/04/10 Analyzed: 11/05/10					
C10-C28 (DRO)	508	50	mg/kg	501	33.0	94.8	77.8-133	2.50		8.48	

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/05/10 16:02

**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 0110408 - EPA 5030 Soil MS**

**Blank (0110408-BLK1)**

Prepared & Analyzed: 11/04/10

Naphthalene	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
m,p-Xylene	ND	0.010	"							
o-Xylene	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0362</i>		<i>"</i>	<i>0.0400</i>		<i>90.5</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0379</i>		<i>"</i>	<i>0.0400</i>		<i>94.7</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0406</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>78.4-125</i>			

**LCS (0110408-BS1)**

Prepared & Analyzed: 11/04/10

Naphthalene	ND	0.0050	mg/kg				67.8-151		20	
Benzene	0.0967	0.0050	"	0.100		96.7	61-139		11.1	
Toluene	0.0956	0.0050	"	0.100		95.6	64-132		10.9	
Ethylbenzene	0.101	0.0050	"	0.100		101	68.7-135		20	
m,p-Xylene	0.198	0.010	"	0.200		98.8	70.4-129		20	
o-Xylene	0.0977	0.0050	"	0.100		97.7	66.9-126		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0390</i>		<i>"</i>	<i>0.0400</i>		<i>97.6</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0387</i>		<i>"</i>	<i>0.0400</i>		<i>96.8</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0392</i>		<i>"</i>	<i>0.0400</i>		<i>98.0</i>	<i>78.4-125</i>			

**LCS Dup (0110408-BSD1)**

Prepared & Analyzed: 11/04/10

Naphthalene	ND	0.0050	mg/kg				67.8-151		20	
Benzene	0.0967	0.0050	"	0.100		96.7	61-139	0.00	11.1	
Toluene	0.0938	0.0050	"	0.100		93.8	64-132	1.84	10.9	
Ethylbenzene	0.0966	0.0050	"	0.100		96.6	68.7-135	4.40	20	
m,p-Xylene	0.188	0.010	"	0.200		94.1	70.4-129	4.91	20	
o-Xylene	0.0938	0.0050	"	0.100		93.8	66.9-126	4.04	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0396</i>		<i>"</i>	<i>0.0400</i>		<i>99.0</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0397</i>		<i>"</i>	<i>0.0400</i>		<i>99.2</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0393</i>		<i>"</i>	<i>0.0400</i>		<i>98.3</i>	<i>78.4-125</i>			

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/05/10 16:02

**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 0110408 - EPA 5030 Soil MS**

<b>Matrix Spike (0110408-MS1)</b>		<b>Source: R011031-01</b>			<b>Prepared &amp; Analyzed: 11/04/10</b>						
Naphthalene	0.00891	0.0050	mg/kg		0.0161		26.4-144		20		
Benzene	0.199	0.0050	"	0.100	0.197	1.65	42.9-137		17.9		QM-07
Toluene	0.0741	0.0050	"	0.100	0.0169	57.2	42.6-130		11.9		
Ethylbenzene	0.0505	0.0050	"	0.100	0.0127	37.8	39-133		20		QM-07
m,p-Xylene	0.255	0.010	"	0.200	0.281	NR	34.7-134		20		QM-07
o-Xylene	0.202	0.0050	"	0.100	0.187	14.9	41.3-126		20		QM-07
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0378</i>		"	<i>0.0400</i>		<i>94.5</i>	<i>67.4-143</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0366</i>		"	<i>0.0400</i>		<i>91.6</i>	<i>77.3-114</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0447</i>		"	<i>0.0400</i>		<i>112</i>	<i>78.4-125</i>				

<b>Matrix Spike Dup (0110408-MSD1)</b>		<b>Source: R011031-01</b>			<b>Prepared &amp; Analyzed: 11/04/10</b>						
Naphthalene	0.00972	0.0050	mg/kg		0.0161		26.4-144	8.70	20		
Benzene	0.235	0.0050	"	0.100	0.197	37.5	42.9-137	16.5	17.9		QM-07
Toluene	0.0799	0.0050	"	0.100	0.0169	63.0	42.6-130	7.52	11.9		
Ethylbenzene	0.0449	0.0050	"	0.100	0.0127	32.2	39-133	11.7	20		QM-07
m,p-Xylene	0.282	0.010	"	0.200	0.281	0.615	34.7-134	10.3	20		QM-07
o-Xylene	0.220	0.0050	"	0.100	0.187	32.1	41.3-126	8.16	20		QM-07
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0398</i>		"	<i>0.0400</i>		<i>99.4</i>	<i>67.4-143</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0370</i>		"	<i>0.0400</i>		<i>92.5</i>	<i>77.3-114</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0446</i>		"	<i>0.0400</i>		<i>112</i>	<i>78.4-125</i>				

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
11/05/10 16:02

### Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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Summit Scientific

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# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 03, 2010

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 24-7

Enclosed are the results of analyses for samples received by Summit Scientific on 12/01/10 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 - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS10	R012006-01	Soil	12/01/10 12:40	12/01/10 17:00
SS11	R012006-02	Soil	12/01/10 12:45	12/01/10 17:00
SS12	R012006-03	Soil	12/01/10 12:50	12/01/10 17:00
SS13	R012006-04	Soil	12/01/10 12:55	12/01/10 17:00
SS14	R012006-05	Soil	12/01/10 13:00	12/01/10 17:00
SS15	R012006-06	Soil	12/01/10 13:05	12/01/10 17:00
SS16	R012006-07	Soil	12/01/10 13:10	12/01/10 17:00
GW02	R012006-08	Water	12/01/10 13:35	12/01/10 17:00
GW03	R012006-09	Water	12/01/10 13:40	12/01/10 17:00

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

# Summit Scientific

S2

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

Page 1 of

Client: LT Environmental, Inc.  
Address: 4600 West 60th Avenue  
City/State/Zip: Arvada, CO 80003  
Phone: (303) 433-9788  
Sampler Name: Devon Givins

Project Manager: Brian Dodek  
E-Mail: bdodek@ltenv.com  
Project Name: Ehrlich 24-7  
Project Number: PDC 10037.05

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:						Special Instructions	Notes									
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO	GBTEX/Mapk.	BTEX	Table 9.10 Full	Table 9.10 Short			PH / EC	SAR							
SS10	12-1-10	1340	1		X			X																			
SS11		1245	1																								
SS12		1250	1																								
SS13		1255	1																								
SS14		1300	1																								
SS15		1305	1																								
SS16		1310	1																								
GW02		1335	3	X				X																			
GW03		1340	3	X				X																			
Relinquished by: <u>Devon Givins</u>		Date/Time: <u>12-1-10 5:10</u>	Received by: <u>[Signature]</u>		Date/Time: <u>12/1/10 5:10</u>	Turn Around Time (Check):		Suns Day <input type="checkbox"/>		72 Hours <input checked="" type="checkbox"/>		Standard <input type="checkbox"/>		Sample Integrity:		Temperatures/pon Receipt: <u>5.0</u>		Intact: Yes/No <u>(Yes)</u>									
Relinquished by: <u>Devon Givins</u>		Date/Time: <u>12-1-10 5:10</u>	Received by: <u>[Signature]</u>		Date/Time: <u>12/1/10 5:10</u>	Received in Lab by: <u>[Signature]</u>		Date/Time: <u>12/1/10 5:10</u>																			

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

**SS10**  
**R012006-01 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/01/10 12:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0120103	12/01/10	12/02/10	8015 DRO	

Date Sampled: 12/01/10 12:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		101 %	88.8-124		"	"	"	"	

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

Date Sampled: 12/01/10 12:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0120102	12/01/10	12/02/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>1.1</b>	<b>0.50</b>	"	"	"	"	"	"	

Date Sampled: 12/01/10 12:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		92.0 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

**SS11**  
**R012006-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/01/10 12:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>270</b>	50	mg/kg	1	0120103	12/01/10	12/02/10	8015 DRO	

Date Sampled: 12/01/10 12:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		106 %	88.8-124		"	"	"	"	

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

Date Sampled: 12/01/10 12:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Naphthalene</b>	<b>0.056</b>	0.0050	mg/kg	1	0120102	12/01/10	12/02/10	EPA 8260B	
<b>Benzene</b>	<b>0.13</b>	0.0050	"	"	"	"	"	"	
<b>Toluene</b>	<b>0.20</b>	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.051</b>	0.0050	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>0.61</b>	0.010	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>0.27</b>	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>14</b>	0.50	"	"	"	"	"	"	

Date Sampled: 12/01/10 12:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	67.4-143		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.0 %	77.3-114		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

**SS12**  
**R012006-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/01/10 12:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0120103	12/01/10	12/02/10	8015 DRO	

Date Sampled: 12/01/10 12:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	88.8-124		"	"	"	"	

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

Date Sampled: 12/01/10 12:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0120102	12/01/10	12/02/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 12/01/10 12:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane- <i>d</i> 4		116 %	67.4-143		"	"	"	"	
Surrogate: Toluene- <i>d</i> 8		98.0 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	78.4-125		"	"	"	"	

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

**SS13**  
**R012006-04 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/01/10 12:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0120103	12/01/10	12/02/10	8015 DRO	

Date Sampled: 12/01/10 12:55

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

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

Date Sampled: 12/01/10 12:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0120102	12/01/10	12/02/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 12/01/10 12:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane- <i>d</i> 4		111 %	67.4-143		"	"	"	"	
Surrogate: Toluene- <i>d</i> 8		97.5 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	78.4-125		"	"	"	"	

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

**SS14**  
**R012006-05 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/01/10 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0120103	12/01/10	12/02/10	8015 DRO	

Date Sampled: 12/01/10 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		100 %	88.8-124		"	"	"	"	

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

Date Sampled: 12/01/10 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0120102	12/01/10	12/02/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 12/01/10 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane- <i>d</i> 4		107 %	67.4-143		"	"	"	"	
Surrogate: Toluene- <i>d</i> 8		96.6 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

**SS15**  
**R012006-06 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/01/10 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0120103	12/01/10	12/02/10	8015 DRO	

Date Sampled: 12/01/10 13:05

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

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

Date Sampled: 12/01/10 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0120102	12/01/10	12/02/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 12/01/10 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		111 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		98.0 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

**SS16**  
**R012006-07 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/01/10 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0120103	12/01/10	12/02/10	8015 DRO	

Date Sampled: 12/01/10 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		105 %	88.8-124		"	"	"	"	

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

Date Sampled: 12/01/10 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.0050	mg/kg	1	0120102	12/01/10	12/02/10	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 12/01/10 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		111 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		97.9 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
 Project Manager: Brian Dodek

**Reported:**  
 12/03/10 07:40

**GW02**  
**R012006-08 (Water)**

**Summit Scientific**

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

Date Sampled: 12/01/10 13:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>1600</b>	100	ug/l	100	0113005	12/01/10	12/01/10	EPA 8260B	
<b>Toluene</b>	<b>97</b>	1.0	"	1	"	"	12/01/10	"	
<b>Ethylbenzene</b>	<b>9.9</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>350</b>	1.0	"	"	"	"	"	"	

Date Sampled: 12/01/10 13:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.4 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		110 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.7 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
 Project Manager: Brian Dodek

**Reported:**  
 12/03/10 07:40

**GW03**  
**R012006-09 (Water)**

**Summit Scientific**

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

Date Sampled: 12/01/10 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>120</b>	1.0	ug/l	1	0113005	12/01/10	12/01/10	EPA 8260B	
<b>Toluene</b>	<b>37</b>	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>3.5</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>38</b>	1.0	"	"	"	"	"	"	

Date Sampled: 12/01/10 13:40

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>		98.0 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.4 %	80.8-120		"	"	"	"	

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
 Project Manager: Brian Dodek

**Reported:**  
 12/03/10 07:40

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

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

**Batch 0120103 - EPA 3550A**

<b>Blank (0120103-BLK1)</b>				Prepared: 12/01/10 Analyzed: 12/02/10							
C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	<i>12.8</i>		<i>"</i>	<i>12.5</i>		<i>102</i>	<i>88.8-124</i>				
<b>LCS (0120103-BS1)</b>				Prepared: 12/01/10 Analyzed: 12/02/10							
C10-C28 (DRO)	536	50	mg/kg	501		107	81.4-129			9.26	
<b>LCS Dup (0120103-BSD1)</b>				Prepared: 12/01/10 Analyzed: 12/02/10							
C10-C28 (DRO)	538	50	mg/kg	501		107	81.4-129	0.461		9.26	
<b>Matrix Spike (0120103-MS1)</b>				Source: R012003-01 Prepared: 12/01/10 Analyzed: 12/02/10							
C10-C28 (DRO)	543	50	mg/kg	501	43.7	99.7	77.8-133			8.48	
<b>Matrix Spike Dup (0120103-MSD1)</b>				Source: R012003-01 Prepared: 12/01/10 Analyzed: 12/02/10							
C10-C28 (DRO)	528	50	mg/kg	501	43.7	96.6	77.8-133	2.89		8.48	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

**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 0113005 - EPA 5030 Water MS**

**Blank (0113005-BLK1)**

Prepared: 11/30/10 Analyzed: 12/01/10

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>12.5</i>		<i>"</i>	<i>13.3</i>		<i>94.0</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.4</i>		<i>"</i>	<i>13.3</i>		<i>93.2</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.5</i>	<i>80.8-120</i>			

**LCS (0113005-BS1)**

Prepared: 11/30/10 Analyzed: 12/01/10

Benzene	30.5	1.0	ug/l	33.3		91.4	60.1-131	4.30	10.9	
Toluene	29.3	1.0	"	33.3		87.9	65.9-127	4.08	11.3	
Ethylbenzene	28.0	1.0	"	33.3		84.0	65.1-129	7.30	20	
m,p-Xylene	55.2	2.0	"	66.7		82.7	66.8-127	15.8	20	
o-Xylene	26.8	1.0	"	33.3		80.3	61.2-120	9.97	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.9</i>		<i>"</i>	<i>13.3</i>		<i>104</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.2</i>		<i>"</i>	<i>13.3</i>		<i>99.3</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>		<i>95.4</i>	<i>80.8-120</i>			

**LCS Dup (0113005-BSD1)**

Prepared: 11/30/10 Analyzed: 12/01/10

Benzene	31.8	1.0	ug/l	33.3		95.4	60.1-131	4.30	10.9	
Toluene	30.5	1.0	"	33.3		91.6	65.9-127	4.08	11.3	
Ethylbenzene	30.1	1.0	"	33.3		90.3	65.1-129	7.30	20	
m,p-Xylene	64.6	2.0	"	66.7		97.0	66.8-127	15.8	20	
o-Xylene	29.6	1.0	"	33.3		88.7	61.2-120	9.97	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>99.6</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>		<i>96.5</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>		<i>95.6</i>	<i>80.8-120</i>			

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

**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 0113005 - EPA 5030 Water MS**

**Matrix Spike (0113005-MS1)**

Source: R011165-04

Prepared: 11/30/10 Analyzed: 12/01/10

Benzene	30.0	1.0	ug/l	33.3	ND	89.9	52.7-130		19.3	
Toluene	28.7	1.0	"	33.3	ND	86.0	57-127		18.7	
Ethylbenzene	29.4	1.0	"	33.3	ND	88.1	59.2-127		20	
m,p-Xylene	62.4	2.0	"	66.7	ND	93.6	53.2-132		20	
o-Xylene	28.4	1.0	"	33.3	ND	85.1	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		100	57.9-139			
Surrogate: Toluene-d8	12.8		"	13.3		96.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.8	80.8-120			

**Matrix Spike Dup (0113005-MSD1)**

Source: R011165-04

Prepared: 11/30/10 Analyzed: 12/01/10

Benzene	30.9	1.0	ug/l	33.3	ND	92.6	52.7-130	2.99	19.3	
Toluene	29.9	1.0	"	33.3	ND	89.6	57-127	4.10	18.7	
Ethylbenzene	29.1	1.0	"	33.3	ND	87.4	59.2-127	0.821	20	
m,p-Xylene	61.9	2.0	"	66.7	ND	92.8	53.2-132	0.805	20	
o-Xylene	29.5	1.0	"	33.3	ND	88.4	56.3-117	3.77	20	
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.3		103	57.9-139			
Surrogate: Toluene-d8	12.9		"	13.3		97.0	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.9	80.8-120			

**Batch 0120102 - EPA 5030 Soil MS**

**Blank (0120102-BLK1)**

Prepared: 12/01/10 Analyzed: 12/02/10

Naphthalene	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
m,p-Xylene	ND	0.010	"							
o-Xylene	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0411		"	0.0400		103	67.4-143			
Surrogate: Toluene-d8	0.0386		"	0.0400		96.5	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		99.1	78.4-125			

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 - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

**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 0120102 - EPA 5030 Soil MS**

**LCS (0120102-BS1)**

Prepared: 12/01/10 Analyzed: 12/02/10

Naphthalene	0.176	0.0050	mg/kg	0.150		117	67.8-151		20	
Benzene	0.151	0.0050	"	0.150		101	61-139		11.1	
Toluene	0.154	0.0050	"	0.150		103	64-132		10.9	
Ethylbenzene	0.146	0.0050	"	0.150		97.3	68.7-135		20	
m,p-Xylene	0.283	0.010	"	0.300		94.2	70.4-129		20	
o-Xylene	0.152	0.0050	"	0.150		102	66.9-126		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0406</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0406</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0387</i>		<i>"</i>	<i>0.0400</i>		<i>96.7</i>	<i>78.4-125</i>			

**LCS Dup (0120102-BSD1)**

Prepared: 12/01/10 Analyzed: 12/02/10

Naphthalene	0.177	0.0050	mg/kg	0.150		118	67.8-151	0.900	20	
Benzene	0.143	0.0050	"	0.150		95.1	61-139	5.58	11.1	
Toluene	0.146	0.0050	"	0.150		97.0	64-132	5.55	10.9	
Ethylbenzene	0.138	0.0050	"	0.150		91.8	68.7-135	5.88	20	
m,p-Xylene	0.267	0.010	"	0.300		89.0	70.4-129	5.69	20	
o-Xylene	0.144	0.0050	"	0.150		96.0	66.9-126	5.65	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0397</i>		<i>"</i>	<i>0.0400</i>		<i>99.3</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0403</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0390</i>		<i>"</i>	<i>0.0400</i>		<i>97.5</i>	<i>78.4-125</i>			

**Matrix Spike (0120102-MS1)**

Source: R011152-01

Prepared: 12/01/10 Analyzed: 12/02/10

Naphthalene	0.126	0.0050	mg/kg	0.150	0.00438	80.9	26.4-144		20	
Benzene	0.118	0.0050	"	0.150	0.00	78.8	42.9-137		17.9	
Toluene	0.118	0.0050	"	0.150	0.00	78.4	42.6-130		11.9	
Ethylbenzene	0.106	0.0050	"	0.150	0.00	70.8	39-133		20	
m,p-Xylene	0.206	0.010	"	0.300	0.00	68.6	34.7-134		20	
o-Xylene	0.111	0.0050	"	0.150	0.00	74.2	41.3-126		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0438</i>		<i>"</i>	<i>0.0400</i>		<i>110</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0407</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0392</i>		<i>"</i>	<i>0.0400</i>		<i>98.1</i>	<i>78.4-125</i>			

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
 Project Manager: Brian Dodek

**Reported:**  
 12/03/10 07:40

**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 0120102 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (0120102-MSD1)</b>	<b>Source: R011152-01</b>			Prepared: 12/01/10		Analyzed: 12/02/10				
Naphthalene	0.142	0.0050	mg/kg	0.150	0.00438	91.7	26.4-144	12.1	20	
Benzene	0.127	0.0050	"	0.150	0.00	84.9	42.9-137	7.50	17.9	
Toluene	0.128	0.0050	"	0.150	0.00	85.0	42.6-130	8.15	11.9	
Ethylbenzene	0.118	0.0050	"	0.150	0.00	78.5	39-133	10.2	20	
m,p-Xylene	0.228	0.010	"	0.300	0.00	76.0	34.7-134	10.3	20	
o-Xylene	0.123	0.0050	"	0.150	0.00	82.1	41.3-126	10.1	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0409</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0404</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0392</i>		<i>"</i>	<i>0.0400</i>		<i>97.9</i>	<i>78.4-125</i>			

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
12/03/10 07:40

### 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

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 17, 2010

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 24-7

Enclosed are the results of analyses for samples received by Summit Scientific on 12/16/10 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 '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 - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
12/17/10 15:19

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW02	R012120-01	Water	12/16/10 10:45	12/16/10 17:00
GW03	R012120-02	Water	12/16/10 10:50	12/16/10 17:00
GW04	R012120-03	Water	12/16/10 10:55	12/16/10 17:00

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
 Project Manager: Brian Dodek

**Reported:**  
 12/17/10 15:19

**GW02**  
**R012120-01 (Water)**

**Summit Scientific**

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

Date Sampled: 12/16/10 10:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>7.0</b>	1.0	ug/l	1	0121607	12/16/10	12/17/10	EPA 8260B	
<b>Toluene</b>	<b>2.6</b>	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>4.3</b>	1.0	"	"	"	"	"	"	

Date Sampled: 12/16/10 10:45

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>		98.9 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	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 - Ehrlich 24-7

Project Number: PDC 10037  
 Project Manager: Brian Dodek

**Reported:**  
 12/17/10 15:19

**GW03**  
**R012120-02 (Water)**

**Summit Scientific**

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

Date Sampled: 12/16/10 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>760</b>	100	ug/l	100	0121607	12/16/10	12/17/10	EPA 8260B	
<b>Toluene</b>	<b>3.3</b>	1.0	"	1	"	"	12/17/10	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>46</b>	1.0	"	"	"	"	"	"	

Date Sampled: 12/16/10 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		116 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		108 %	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 - Ehrlich 24-7

Project Number: PDC 10037  
 Project Manager: Brian Dodek

**Reported:**  
 12/17/10 15:19

**GW04**  
**R012120-03 (Water)**

**Summit Scientific**

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

Date Sampled: 12/16/10 10:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>42</b>	1.0	ug/l	1	0121607	12/16/10	12/17/10	EPA 8260B	
<b>Toluene</b>	<b>8.5</b>	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>13</b>	1.0	"	"	"	"	"	"	

Date Sampled: 12/16/10 10:55

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>		103 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
12/17/10 15:19

**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 0121607 - EPA 5030 Water MS**

**Blank (0121607-BLK1)**

Prepared & Analyzed: 12/16/10

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>14.7</i>		<i>"</i>	<i>13.3</i>		<i>110</i>	<i>57.9-139</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.8</i>	<i>83.1-115</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.5</i>		<i>"</i>	<i>13.3</i>		<i>101</i>	<i>80.8-120</i>				

**LCS (0121607-BS1)**

Prepared & Analyzed: 12/16/10

Benzene	32.0	1.0	ug/l	33.3	95.9	60.1-131		10.9
Toluene	31.0	1.0	"	33.3	93.1	65.9-127		11.3
Ethylbenzene	32.3	1.0	"	33.3	97.0	65.1-129		20
m,p-Xylene	57.3	2.0	"	66.7	85.9	66.8-127		20
o-Xylene	31.7	1.0	"	33.3	95.1	61.2-120		20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>15.2</i>		<i>"</i>	<i>13.3</i>	<i>114</i>	<i>57.9-139</i>		
<i>Surrogate: Toluene-d8</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>	<i>100</i>	<i>83.1-115</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>	<i>98.1</i>	<i>80.8-120</i>		

**LCS Dup (0121607-BSD1)**

Prepared & Analyzed: 12/16/10

Benzene	35.8	1.0	ug/l	33.3	107	60.1-131	11.2	10.9
Toluene	35.2	1.0	"	33.3	106	65.9-127	12.6	11.3
Ethylbenzene	34.6	1.0	"	33.3	104	65.1-129	6.84	20
m,p-Xylene	62.1	2.0	"	66.7	93.1	66.8-127	8.03	20
o-Xylene	33.7	1.0	"	33.3	101	61.2-120	6.20	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>15.3</i>		<i>"</i>	<i>13.3</i>	<i>115</i>	<i>57.9-139</i>		
<i>Surrogate: Toluene-d8</i>	<i>13.8</i>		<i>"</i>	<i>13.3</i>	<i>104</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>		

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
12/17/10 15:19

**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 0121607 - EPA 5030 Water MS**

<b>Matrix Spike (0121607-MS1)</b>	<b>Source: R012090-01</b>			<b>Prepared &amp; Analyzed: 12/16/10</b>						
Benzene	34.7	1.0	ug/l	33.3	ND	104	52.7-130			19.3
Toluene	33.8	1.0	"	33.3	ND	101	57-127			18.7
Ethylbenzene	34.0	1.0	"	33.3	ND	102	59.2-127			20
m,p-Xylene	61.4	2.0	"	66.7	ND	92.1	53.2-132			20
o-Xylene	32.0	1.0	"	33.3	ND	95.9	56.3-117			20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>15.4</i>		<i>"</i>	<i>13.3</i>		<i>115</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>100</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.8</i>	<i>80.8-120</i>			
<b>Matrix Spike Dup (0121607-MSD1)</b>	<b>Source: R012090-01</b>			<b>Prepared: 12/16/10 Analyzed: 12/17/10</b>						
Benzene	33.0	1.0	ug/l	33.3	ND	99.0	52.7-130	4.91		19.3
Toluene	31.8	1.0	"	33.3	ND	95.3	57-127	6.14		18.7
Ethylbenzene	32.1	1.0	"	33.3	ND	96.2	59.2-127	5.81		20
m,p-Xylene	59.3	2.0	"	66.7	ND	89.0	53.2-132	3.43		20
o-Xylene	31.3	1.0	"	33.3	ND	94.0	56.3-117	1.99		20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>15.4</i>		<i>"</i>	<i>13.3</i>		<i>116</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.9</i>		<i>"</i>	<i>13.3</i>		<i>104</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.6</i>	<i>80.8-120</i>			

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
12/17/10 15:19

### 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

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

January 05, 2011

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 24-7

Enclosed are the results of analyses for samples received by Summit Scientific on 01/04/11 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 - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
01/05/11 15:51

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW02	R101009-01	Water	01/04/11 13:10	01/04/11 17:00
GW03	R101009-02	Water	01/04/11 13:15	01/04/11 17:00
GW04	R101009-03	Water	01/04/11 13:20	01/04/11 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 - Ehrlich 24-7

Project Number: PDC 10037  
 Project Manager: Brian Dodek

**Reported:**  
 01/05/11 15:51

**GW02**  
**R101009-01 (Water)**

**Summit Scientific**

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

Date Sampled: **01/04/11 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>16</b>	1.0	ug/l	1	1010404	01/04/11	01/05/11	EPA 8260B	
<b>Toluene</b>	<b>33</b>	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>7.0</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>64</b>	1.0	"	"	"	"	"	"	

Date Sampled: **01/04/11 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.2 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		109 %	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 - Ehrlich 24-7

Project Number: PDC 10037  
 Project Manager: Brian Dodek

**Reported:**  
 01/05/11 15:51

**GW03**  
**R101009-02 (Water)**

**Summit Scientific**

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

Date Sampled: **01/04/11 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>3.8</b>	1.0	ug/l	1	1010404	01/04/11	01/05/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/04/11 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		105 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	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 - Ehrlich 24-7

Project Number: PDC 10037  
 Project Manager: Brian Dodek

**Reported:**  
 01/05/11 15:51

**GW04**  
**R101009-03 (Water)**

**Summit Scientific**

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

Date Sampled: **01/04/11 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>2.0</b>	1.0	ug/l	1	1010404	01/04/11	01/05/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/04/11 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		112 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
01/05/11 15:51

**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 1010404 - EPA 5030 Water MS**

**Blank (1010404-BLK1)**

Prepared: 01/04/11 Analyzed: 01/05/11

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.3	102	57.9-139					
Surrogate: Toluene-d8	13.3		"	13.3	100	83.1-115					
Surrogate: 4-Bromofluorobenzene	14.6		"	13.3	110	80.8-120					

**LCS (1010404-BS1)**

Prepared: 01/04/11 Analyzed: 01/05/11

Benzene	33.9	1.0	ug/l	33.3	102	60.1-131	6.55	10.9		
Toluene	37.6	1.0	"	33.3	113	65.9-127	4.47	11.3		
Ethylbenzene	29.6	1.0	"	33.3	88.9	65.1-129	9.73	20		
m,p-Xylene	55.2	2.0	"	66.7	82.9	66.8-127	12.6	20		
o-Xylene	29.8	1.0	"	33.3	89.5	61.2-120	10.5	20		
Surrogate: 1,2-Dichloroethane-d4	14.9		"	13.3	112	57.9-139				
Surrogate: Toluene-d8	13.8		"	13.3	104	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3	101	80.8-120				

**LCS Dup (1010404-BSD1)**

Prepared: 01/04/11 Analyzed: 01/05/11

Benzene	31.7	1.0	ug/l	33.3	95.2	60.1-131	6.55	10.9		
Toluene	35.9	1.0	"	33.3	108	65.9-127	4.47	11.3		
Ethylbenzene	26.9	1.0	"	33.3	80.7	65.1-129	9.73	20		
m,p-Xylene	48.7	2.0	"	66.7	73.0	66.8-127	12.6	20		
o-Xylene	26.9	1.0	"	33.3	80.6	61.2-120	10.5	20		
Surrogate: 1,2-Dichloroethane-d4	14.4		"	13.3	108	57.9-139				
Surrogate: Toluene-d8	14.0		"	13.3	105	83.1-115				
Surrogate: 4-Bromofluorobenzene	14.0		"	13.3	105	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 - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
01/05/11 15:51

**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 1010404 - EPA 5030 Water MS**

<b>Matrix Spike (1010404-MS1)</b>	<b>Source: R012185-02</b>			Prepared: 01/04/11		Analyzed: 01/05/11				
Benzene	31.7	1.0	ug/l	33.3	ND	95.0	52.7-130	2.06	19.3	
Toluene	35.9	1.0	"	33.3	ND	108	57-127	1.22	18.7	
Ethylbenzene	28.8	1.0	"	33.3	ND	86.5	59.2-127	11.7	20	
m,p-Xylene	50.7	2.0	"	66.7	ND	76.1	53.2-132	13.8	20	
o-Xylene	27.0	1.0	"	33.3	ND	81.0	56.3-117	17.2	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.3</i>		<i>"</i>	<i>13.3</i>		<i>107</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>12.6</i>		<i>"</i>	<i>13.3</i>		<i>94.3</i>	<i>80.8-120</i>			

<b>Matrix Spike Dup (1010404-MSD1)</b>	<b>Source: R012185-02</b>			Prepared: 01/04/11		Analyzed: 01/05/11				
Benzene	32.3	1.0	ug/l	33.3	ND	97.0	52.7-130	2.06	19.3	
Toluene	36.4	1.0	"	33.3	ND	109	57-127	1.22	18.7	
Ethylbenzene	32.4	1.0	"	33.3	ND	97.2	59.2-127	11.7	20	
m,p-Xylene	58.3	2.0	"	66.7	ND	87.4	53.2-132	13.8	20	
o-Xylene	32.1	1.0	"	33.3	ND	96.2	56.3-117	17.2	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.7</i>		<i>"</i>	<i>13.3</i>		<i>103</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>14.2</i>		<i>"</i>	<i>13.3</i>		<i>107</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 - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
01/05/11 15:51

### Notes and Definitions

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

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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

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

January 23, 2011

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 24-7

Enclosed are the results of analyses for samples received by Summit Scientific on 01/21/11 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 '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 - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
01/23/11 16:23

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW02	R101107-01	Water	01/21/11 14:00	01/21/11 17:00
GW03	R101107-02	Water	01/21/11 14:05	01/21/11 17:00
GW04	R101107-03	Water	01/21/11 14:10	01/21/11 17:00

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
 Project Manager: Brian Dodek

**Reported:**  
 01/23/11 16:23

**GW02**  
**R101107-01 (Water)**

**Summit Scientific**

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

Date Sampled: **01/21/11 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>76</b>	1.0	ug/l	1	1012203	01/22/11	01/22/11	EPA 8260B	
<b>Toluene</b>	<b>470</b>	100	"	100	"	"	"	"	
<b>Ethylbenzene</b>	<b>52</b>	1.0	"	1	"	"	"	"	
<b>Xylenes (total)</b>	<b>440</b>	1.0	"	"	"	"	"	"	

Date Sampled: **01/21/11 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		129 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		111 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	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 - Ehrlich 24-7

Project Number: PDC 10037  
 Project Manager: Brian Dodek

**Reported:**  
 01/23/11 16:23

**GW03**  
**R101107-02 (Water)**

**Summit Scientific**

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

Date Sampled: **01/21/11 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>730</b>	100	ug/l	100	1012203	01/22/11	01/22/11	EPA 8260B	
<b>Toluene</b>	<b>2.7</b>	1.0	"	1	"	"	01/22/11	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>42</b>	1.0	"	"	"	"	"	"	

Date Sampled: **01/21/11 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		120 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		105 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037  
 Project Manager: Brian Dodek

**Reported:**  
 01/23/11 16:23

**GW04**  
**R101107-03 (Water)**

**Summit Scientific**

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

Date Sampled: **01/21/11 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>52</b>	1.0	ug/l	1	1012203	01/22/11	01/22/11	EPA 8260B	
<b>Toluene</b>	<b>8.4</b>	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>2.3</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>50</b>	1.0	"	"	"	"	"	"	

Date Sampled: **01/21/11 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		134 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	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 - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

Reported:  
01/23/11 16:23

**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 1012203 - EPA 5030 Water MS**

**Blank (1012203-BLK1)**

Prepared & Analyzed: 01/22/11

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	17.1		"	13.3		128	57.9-139			
Surrogate: Toluene-d8	13.4		"	13.3		100	83.1-115			
Surrogate: 4-Bromofluorobenzene	16.0		"	13.3		120	80.8-120			

**LCS (1012203-BS1)**

Prepared & Analyzed: 01/22/11

Benzene	32.2	1.0	ug/l	33.3		96.6	60.1-131		10.9	
Toluene	30.7	1.0	"	33.3		92.1	65.9-127		11.3	
Ethylbenzene	30.5	1.0	"	33.3		91.5	65.1-129		20	
m,p-Xylene	56.1	2.0	"	66.7		84.1	66.8-127		20	
o-Xylene	31.7	1.0	"	33.3		95.1	61.2-120		20	
Surrogate: 1,2-Dichloroethane-d4	15.2		"	13.3		114	57.9-139			
Surrogate: Toluene-d8	13.0		"	13.3		97.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3		101	80.8-120			

**LCS Dup (1012203-BSD1)**

Prepared & Analyzed: 01/22/11

Benzene	32.8	1.0	ug/l	33.3		98.4	60.1-131	1.88	10.9	
Toluene	31.8	1.0	"	33.3		95.4	65.9-127	3.55	11.3	
Ethylbenzene	33.6	1.0	"	33.3		101	65.1-129	9.58	20	
m,p-Xylene	60.5	2.0	"	66.7		90.7	66.8-127	7.48	20	
o-Xylene	34.8	1.0	"	33.3		104	61.2-120	9.30	20	
Surrogate: 1,2-Dichloroethane-d4	15.6		"	13.3		117	57.9-139			
Surrogate: Toluene-d8	13.0		"	13.3		97.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3		101	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 - Ehrlich 24-7

Project Number: PDC 10037  
Project Manager: Brian Dodek

**Reported:**  
01/23/11 16:23

### 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

*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

May 06, 2011

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 24-7

Enclosed are the results of analyses for samples received by Summit Scientific on 04/29/11 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 - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
05/06/11 09:33

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R104178-01	Water	04/29/11 16:00	04/29/11 17:00
MW02	R104178-02	Water	04/29/11 16:20	04/29/11 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 - Ehrlich 24-7

Project Number: PDC 10037.05  
 Project Manager: Brian Dodek

**Reported:**  
 05/06/11 09:33

**MW01**  
**R104178-01 (Water)**

**Summit Scientific**

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

Date Sampled: **04/29/11 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1050401	05/04/11	05/06/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **04/29/11 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.8 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	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 - Ehrlich 24-7

Project Number: PDC 10037.05  
 Project Manager: Brian Dodek

**Reported:**  
 05/06/11 09:33

**MW02**  
**R104178-02 (Water)**

**Summit Scientific**

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

Date Sampled: **04/29/11 16:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1050401	05/04/11	05/06/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>2.7</b>	<b>1.0</b>	"	"	"	"	"	"	

Date Sampled: **04/29/11 16:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.4 %	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 - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
05/06/11 09:33

**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 1050401 - EPA 5030 Water MS**

**Blank (1050401-BLK1)**

Prepared & Analyzed: 05/04/11

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	103	57.9-139					
Surrogate: Toluene-d8	13.2		"	13.3	99.0	83.1-115					
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3	96.6	80.8-120					

**LCS (1050401-BS1)**

Prepared & Analyzed: 05/04/11

Benzene	34.9	1.0	ug/l	33.3	105	60.1-131		10.9
Toluene	33.0	1.0	"	33.3	99.1	65.9-127		11.3
Ethylbenzene	35.2	1.0	"	33.3	106	65.1-129		20
m,p-Xylene	68.2	2.0	"	66.7	102	66.8-127		20
o-Xylene	33.3	1.0	"	33.3	99.9	61.2-120		20
Surrogate: 1,2-Dichloroethane-d4	14.2		"	13.3	106	57.9-139		
Surrogate: Toluene-d8	13.2		"	13.3	99.3	83.1-115		
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3	97.1	80.8-120		

**LCS Dup (1050401-BSD1)**

Prepared & Analyzed: 05/04/11

Benzene	35.1	1.0	ug/l	33.3	105	60.1-131	0.485	10.9
Toluene	33.2	1.0	"	33.3	99.7	65.9-127	0.604	11.3
Ethylbenzene	34.7	1.0	"	33.3	104	65.1-129	1.40	20
m,p-Xylene	68.1	2.0	"	66.7	102	66.8-127	0.103	20
o-Xylene	33.7	1.0	"	33.3	101	61.2-120	1.16	20
Surrogate: 1,2-Dichloroethane-d4	14.5		"	13.3	109	57.9-139		
Surrogate: Toluene-d8	13.5		"	13.3	101	83.1-115		
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3	97.5	80.8-120		

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
05/06/11 09:33

**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 1050401 - EPA 5030 Water MS**

<b>Matrix Spike (1050401-MS1)</b>		<b>Source: R104175-01</b>			<b>Prepared &amp; Analyzed: 05/04/11</b>						
Benzene	34.5	1.0	ug/l	33.3	1.09	100	52.7-130				19.3
Toluene	35.0	1.0	"	33.3	2.39	98.0	57-127				18.7
Ethylbenzene	43.2	1.0	"	33.3	9.93	99.7	59.2-127				20
m,p-Xylene	77.2	2.0	"	66.7	11.5	98.6	53.2-132				20
o-Xylene	81.6	1.0	"	33.3	46.6	105	56.3-117				20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.3</i>		<i>"</i>	<i>13.3</i>		<i>107</i>	<i>57.9-139</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.6</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>83.1-115</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>99.8</i>	<i>80.8-120</i>				
<b>Matrix Spike Dup (1050401-MSD1)</b>		<b>Source: R104175-01</b>			<b>Prepared &amp; Analyzed: 05/04/11</b>						
Benzene	34.1	1.0	ug/l	33.3	1.09	99.0	52.7-130	1.20			19.3
Toluene	34.6	1.0	"	33.3	2.39	96.7	57-127	1.26			18.7
Ethylbenzene	43.3	1.0	"	33.3	9.93	100	59.2-127	0.370			20
m,p-Xylene	78.5	2.0	"	66.7	11.5	101	53.2-132	1.66			20
o-Xylene	80.6	1.0	"	33.3	46.6	102	56.3-117	1.24			20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.6</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>57.9-139</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>99.6</i>	<i>83.1-115</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>100</i>	<i>80.8-120</i>				

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
05/06/11 09:33

### Notes and Definitions

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

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# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

May 12, 2011

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 24-7

Enclosed are the results of analyses for samples received by Summit Scientific on 05/06/11 16:50. 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 - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
05/12/11 14:03

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW03	R105039-01	Water	05/05/11 14:30	05/06/11 16:50
MW05	R105039-02	Water	05/05/11 14:40	05/06/11 16:50

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
 Project Manager: Brian Dodek

**Reported:**  
 05/12/11 14:03

**MW03**  
**R105039-01 (Water)**

**Summit Scientific**

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

Date Sampled: **05/05/11 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1050702	05/07/11	05/10/11	EPA 8260B	
<b>Toluene</b>	<b>2.0</b>	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>8.5</b>	1.0	"	"	"	"	"	"	

Date Sampled: **05/05/11 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		138 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.1 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.9 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
 Project Manager: Brian Dodek

**Reported:**  
 05/12/11 14:03

**MW05**  
**R105039-02 (Water)**

**Summit Scientific**

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

Date Sampled: **05/05/11 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1050702	05/07/11	05/10/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **05/05/11 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		158 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.6 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	80.8-120		"	"	"	"	

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
05/12/11 14:03

**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 1050702 - EPA 5030 Water MS**

**Blank (1050702-BLK1)**

Prepared: 05/07/11 Analyzed: 05/08/11

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>12.4</i>		<i>"</i>	<i>13.3</i>	<i>93.1</i>	<i>83.1-115</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>	<i>96.9</i>	<i>80.8-120</i>				

**LCS (1050702-BS1)**

Prepared: 05/07/11 Analyzed: 05/08/11

Benzene	34.5	1.0	ug/l	33.3	104	60.1-131		10.9		
Toluene	34.2	1.0	"	33.3	102	65.9-127		11.3		
Ethylbenzene	38.1	1.0	"	33.3	114	65.1-129		20		
m,p-Xylene	77.4	2.0	"	66.7	116	66.8-127		20		
o-Xylene	37.7	1.0	"	33.3	113	61.2-120		20		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.7</i>		<i>"</i>	<i>13.3</i>	<i>110</i>	<i>57.9-139</i>				
<i>Surrogate: Toluene-d8</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>	<i>96.0</i>	<i>83.1-115</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>	<i>97.0</i>	<i>80.8-120</i>				

**LCS Dup (1050702-BSD1)**

Prepared: 05/07/11 Analyzed: 05/08/11

Benzene	35.2	1.0	ug/l	33.3	106	60.1-131	1.92	10.9		
Toluene	36.4	1.0	"	33.3	109	65.9-127	6.35	11.3		
Ethylbenzene	39.0	1.0	"	33.3	117	65.1-129	2.41	20		
m,p-Xylene	79.1	2.0	"	66.7	119	66.8-127	2.19	20		
o-Xylene	38.6	1.0	"	33.3	116	61.2-120	2.33	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>13.2</i>		<i>"</i>	<i>13.3</i>	<i>98.9</i>	<i>83.1-115</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.2</i>		<i>"</i>	<i>13.3</i>	<i>98.8</i>	<i>80.8-120</i>				

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

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
05/12/11 14:03

**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 1050702 - EPA 5030 Water MS**

<b>Matrix Spike (1050702-MS1)</b>	<b>Source: R105033-02</b>			Prepared: 05/07/11		Analyzed: 05/08/11				
Benzene	36.2	1.0	ug/l	33.3	ND	109	52.7-130	6.62	19.3	
Toluene	27.7	1.0	"	33.3	ND	83.1	57-127	18.2	18.7	
Ethylbenzene	36.1	1.0	"	33.3	ND	108	59.2-127	0.0554	20	
m,p-Xylene	72.8	2.0	"	66.7	ND	109	53.2-132	0.0550	20	
o-Xylene	35.4	1.0	"	33.3	ND	106	56.3-117	0.479	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>15.4</i>		<i>"</i>	<i>13.3</i>		<i>115</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.7</i>		<i>"</i>	<i>13.3</i>		<i>80.1</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.4</i>	<i>80.8-120</i>			
<b>Matrix Spike Dup (1050702-MSD1)</b>	<b>Source: R105033-02</b>			Prepared: 05/07/11		Analyzed: 05/08/11				
Benzene	33.9	1.0	ug/l	33.3	ND	102	52.7-130	6.62	19.3	
Toluene	33.2	1.0	"	33.3	ND	99.7	57-127	18.2	18.7	
Ethylbenzene	36.1	1.0	"	33.3	ND	108	59.2-127	0.0554	20	
m,p-Xylene	72.7	2.0	"	66.7	ND	109	53.2-132	0.0550	20	
o-Xylene	35.6	1.0	"	33.3	ND	107	56.3-117	0.479	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>17.1</i>		<i>"</i>	<i>13.3</i>		<i>128</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>		<i>96.5</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.4</i>	<i>80.8-120</i>			

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Arvada CO, 80003

Project: PDC - Ehrlich 24-7

Project Number: PDC 10037.05  
Project Manager: Brian Dodek

**Reported:**  
05/12/11 14:03

### Notes and Definitions

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

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