

804 Grand Avenue
Platteville, CO 80651

Tel: 970.785.5000
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www.nobleenergyinc.com



#4037



March 18, 2008

Mr. Randall Ferguson
Department Of Natural Resources
Oil & Gas Conservation Commission
1120 Lincoln St., Suite 801
Denver CO 80203-2136

RE: Monitoring Well Installation, & First Quarter
Groundwater Monitoring Report
Strong 1,P 21-2,7,8,9,10J,16,1JI,2JI,7JI
Sec. 21 T3N R67W
Weld County, Colorado

Dear Mr. Ferguson:

As proposed in previously submitted correspondence, four groundwater monitoring wells have been installed at the abovementioned location. The first quarterly groundwater monitoring event took place on January 18, 2008. A summary of well installation activities and groundwater monitoring analytical results can be found in the attached LT Environmental report. The second quarterly groundwater monitoring event is scheduled for April 2008.

Please contact the NEI environmental department at (970) 785-5025 if you have any questions or require additional information.

Sincerely,

A handwritten signature in black ink that reads 'Janelle Wadas'.

Janelle Wadas
Environmental Engineer

A handwritten signature in black ink that reads 'Mikel Cox'.

Mikel Cox
Environmental Coordinator

Attachments



March 12, 2008

Mr. Marty Faraguna
Environmental Coordinator
Noble Energy, Inc.
804 Grand Avenue
Platteville, Colorado 80651

RE: Well Installation and Sampling Report, Strong 1, P21-2, 7, 8,
9, 10J, 2J1, 7J1 Tank Battery
Weld County, Colorado

Dear Mr. Faraguna:

LT Environmental, Inc. (LTE) was retained by Noble Energy, Inc. (Noble) to install post remediation monitoring wells and conduct sampling activities at the Strong 1, P21-2, 7, 8, 9, 10J, 2J1, 7J1 Tank Battery (Site). The Site is located approximately 0.55 miles north of the intersection of Weld County Road (WCR) 19 and State Highway 66 (WCR 30) in Weld County, Colorado (Figure 1). This report summarizes the installation of four monitoring wells and the analytical results of the soil and groundwater sampling conducted January 11 through 18, 2008, respectively.

SITE SUMMARY

The Site is located in Weld County, Colorado (Figure 1). The tank battery is surrounded on all sides by agricultural land, in addition to an irrigation ditch to the west. LTE personnel were onsite October 3 through 16, 2007 to direct excavation of petroleum hydrocarbon impacted soil and groundwater. During the excavation activities, approximately 1,335 cubic yards of impacted soil were hauled offsite for disposal. In addition to soil removal, approximately 1,392 barrels (58,000 gallons) of groundwater were evacuated from the excavation. Details of source removal remediation activities were presented in the *Excavation Summary Report* dated November 2007.

MONITORING WELL INSTALLATION

LTE personnel were onsite January 11, 2008 to install four monitoring wells (MW-1 through MW-4) to determine if impacted groundwater remained at the Site. The monitoring wells were installed using a direct-push probe. The monitoring wells were advanced between 10 feet and 12 feet below ground surface (bgs). The monitoring wells were completed with one-inch diameter,



0.010-inch slotted, schedule 40, poly-vinyl chloride (PVC) casing. Boreholes were filled with 10-20 silica sand to 3 feet bgs. Bentonite chips were then placed from the sand pack to ground surface and hydrated. Three monitoring wells (MW-2 through MW-4) were installed along the north side of the excavation footprint (downgradient). The remaining monitoring well (MW-1) was installed to the southeast of the excavation, as an upgradient well. The location of the four monitoring wells relative to the tank battery and excavation is presented as Figure 2. Borehole lithologic logs are included as Attachment 1.

SOIL SAMPLING PROCEDURES

One soil sample was collected from each soil boring location. The soil samples were collected from the soil interval directly above the groundwater table. The samples were preserved on ice and submitted to Origins Laboratory, Inc. (Origins) in Denver, Colorado under chain of custody for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency Method 8260B. The soil samples were also analyzed for total volatile hydrocarbons-gasoline range organics (TVH-GRO) by EPA Method 8260B.

SOIL SAMPLING RESULTS

There are currently no soil standards for BTEX. Soil samples are analyzed for BTEX to evaluate the potential for leaching to groundwater. Analytical results are compared to risk based screening levels (RBSLs) established by the Colorado Department of Labor and Employment-Division of Oil and Public Safety (CDLE-OPS). Laboratory analytical results for BTEX in soil are below method detection limits and CDLE-OPS RBSLs at all four monitoring well locations.

Laboratory analytical results for TVH-GRO are below method detection limits and the Colorado Oil and Gas Conservation Commission (COGCC) Sensitive Area Standard at all four monitoring well locations. Soil analytical results are summarized in Table 1. The laboratory analytical report is included as Attachment 2.

GROUNDWATER SAMPLING PROCEDURES

LTE personnel were onsite January 18, 2008 to conduct groundwater sampling activities at the newly installed monitoring wells. Groundwater level measurements were collected from each monitoring well to calculate well-specific purge volumes. Depth to water from the top of casing ranged from 8.19 feet at monitoring well MW01 to 9.90 feet at monitoring well MW04.

Three casing volumes were purged from each well prior to sample collection. Samples were collected from monitoring wells MW01, MW02, MW03, and MW04. The samples were submitted under chain of custody to Origins for analysis of BTEX by EPA Method 8260B.



GROUNDWATER ANALYTICAL RESULTS

Analytical results for BTEX in groundwater are below method detection limits and Colorado Groundwater Quality Standards (CGWQS). Groundwater analytical results are summarized in Table 2. The laboratory analytical report is included as Attachment 2.

LTE, on behalf of Noble, will continue quarterly monitoring until four consecutive quarters of groundwater analytical results in compliance with the CGWQS have been achieved. At that time, a No Further Action request will be submitted to the COGCC. The second quarterly sampling event will be conducted in April, 2008.

Please call us at 303-433-9788 if you have any questions or comments regarding this report.

Sincerely,

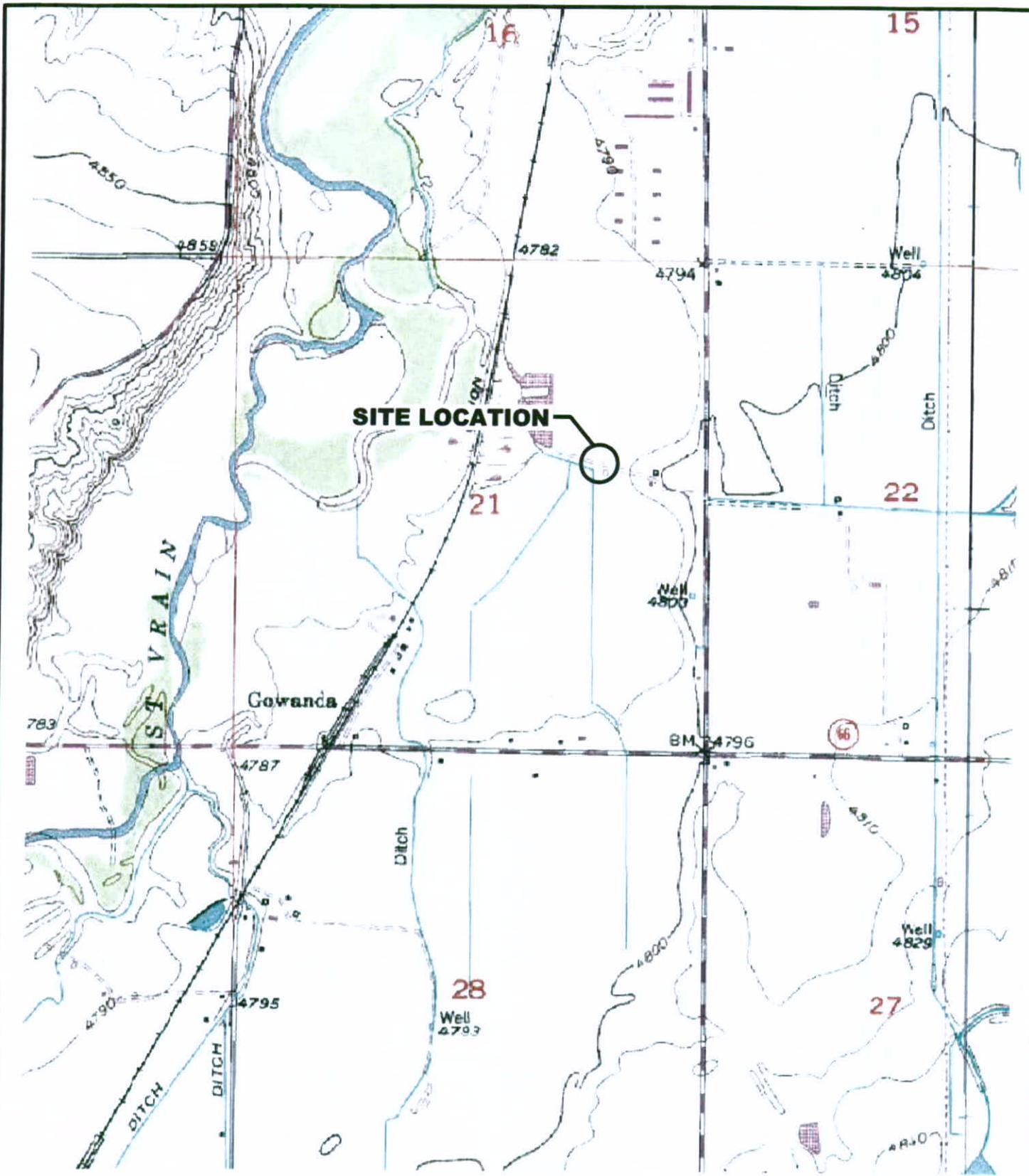
LT ENVIRONMENTAL, INC.

Brian Dodek, P.G.
Project Manager

for Steve Kahn, P.E.
Senior Engineer

Attachments

FIGURES



LEGEND

○ SITE LOCATION



FIGURE 1
SITE LOCATION MAP
 STRONG 1, P21-2, 7, 8, 9, 10J, 16, 1JI, 2JI, 7JI
 TANK BATTERY
 WELD COUNTY, COLORADO
 NOBLE ENERGY, INC.

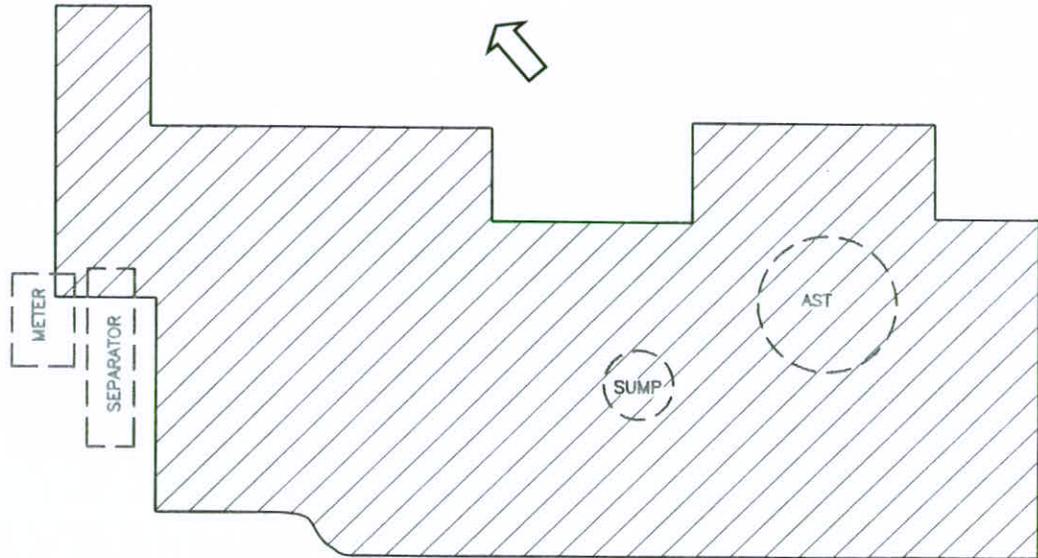
SOURCE: TOPOZONE.COM
 USGS 7.5' QUADRANGLE
 GOWANDA, CO 1978
 (NAD27)



MW04
⊗

MW03
⊗

MW02
⊗



⊗ MW01

LEGEND

MW01
⊗

MONITORING WELL LOCATION



EXCAVATION AREA



ESTIMATED GROUNDWATER FLOW DIRECTION

SOURCE:
LTE SKETCH



FIGURE 2
MONITORING WELL LOCATION MAP
STRONG 1, P21-2, 7, 8, 9, 10J, 16, 1JI, 2JI, 7JI
TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.



TABLES

TABLE 1

**SOIL ANALYTICAL DATA
STRONG 1, P21-2,7,8,9,10J,16,1JI, 2JI, 7JI TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.**

SAMPLE ID	DATE	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	XYLENES (mg/kg)	TVH-GRO (mg/kg)
MW-1 (4'-6')	1/11/2008	<0.005	<0.005	<0.005	<0.010	<0.2
MW-2 (4'-6')	1/11/2008	<0.005	<0.005	<0.005	<0.010	<0.2
MW-3 (6'-8')	1/11/2008	<0.005	<0.005	<0.005	<0.010	<0.2
MW-4 (6'-8')	1/11/2008	<0.005	<0.005	<0.005	<0.010	<0.2
CDLE-OPS RBSLs		0.26	170	200	1,900	
COGCC Sensitive Area Standard*						<1,000

NOTES:

Benzene, toluene, ethylbenzene, total xylenes analyzed by EPA Method 8260B

TVH-GRO - Total volatile hydrocarbons - gasoline range organics analyzed by EPA Method 8260B

mg/kg - milligrams per kilogram

< indicates result is less than the stated laboratory method detection limit

CDLE-OPS RBSLs - Colorado Department of Labor and Employment, Division of Oil and Public Safety
Risk-Based Screening Levels

COGCC - Colorado Oil and Gas Conservation Commission

*Applies to contaminated subsurface soil >2 feet below ground surface (bgs)
and where the distance to groundwater is < 20 feet bgs



TABLE 2

**GROUNDWATER ANALYTICAL DATA
STRONG 1, P21-2,7,8,9,10J,16,1JI, 2JI, 7JI TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.**

MONITORING		DEPTH TO	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
WELL	DATE	WATER	(ug/L)	(ug/L)	(ug/L)	(ug/L)
		(feet btoc)				
MW-1	1/18/2008	8.19	<1.0	<1.0	<1.0	<2.0
MW-2	1/18/2008	8.50	<1.0	<1.0	<1.0	<2.0
MW-3	1/18/2008	8.95	<1.0	<1.0	29.3	65.52
MW-4	1/18/2008	9.90	<1.0	<1.0	<1.0	<2.0
CGWQS			5.0	1,000	700	1,400

NOTES:

Benzene, toluene, ethylbenzene, total xylenes analyzed by EPA Method 8260B

btoc - below top of casing

ug/L - micrograms per liter

< indicates result is less than the stated laboratory method detection limit

CGWQS - Colorado Groundwater Quality Standards



ATTACHMENT 1
BOREHOLE LITHOLOGIC LOGS



Well Location Sketch:



MW-1



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LT Environmental, Inc.

4600 W. 60th Avenue

Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: <i>MW-1</i>	Project: Strong
Date: 1/11/2008	Project Number: NEP0722
Logged By: BDD	Drilled By: High Plains (Lenny)

Elevation: _____	Detector: MiniRAE 2000	Drilling Method: Direct Push	Sampling Method: Continuous
---------------------	---------------------------	---------------------------------	--------------------------------

Gravel Pack: CSSI 10x20	Seal: Bentonite Chips	Grout: NA
----------------------------	--------------------------	--------------

Casing Type: Sch 40 PVC	Diameter: 1"	Length: 7'	Hole Diameter: 2"	Depth to Liquid: _____
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Screen Type: Sch 40 PVC	Slot: 0.010"	Diameter: 1"	Length: 5'	Total Depth: 10'	Depth to Water: 6'
----------------------------	-----------------	-----------------	---------------	---------------------	-----------------------

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0					
Moist	00	N			2	X		SM	Sand, fg, silty, dk brown, w/ organics, no odor	
Moist	00	N			4	X		SC	Sand, clayey, fg, brown, no odor	
Moist	00	N		MW-1 4/6'	6	X			Sand, f to cg, w/ gravel, lt brown, no odor	
Wet	00	N			8	X				
Wet	00	N			10	X				
					12					
					14					
					16					
					18					
					20					
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					

Well Location Sketch:



Compliance · Engineering · Remediation
 LT Environmental, Inc.
 4600 W. 60th Avenue
 Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: <i>MW-2</i>	Project: Strong
Date: 1/11/2008	Project Number: NEP0722
Logged By: BDD	Drilled By: High Plains (Lenny)

Elevation:	Detector: MiniRAE 2000	Drilling Method: Direct Push	Sampling Method: Continuous
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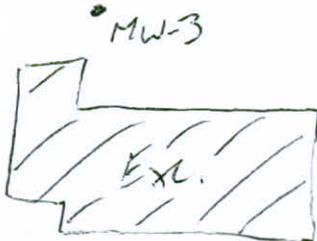
Gravel Pack: CSSI 10x20	Seal: Bentonite Chips	Grout: NA
----------------------------	--------------------------	--------------

Casing Type: Sch 40 PVC	Diameter: 1"	Length: 8'	Hole Diameter: 2"	Depth to Liquid:
----------------------------	-----------------	---------------	----------------------	------------------

Screen Type: Sch 40 PVC	Slot: 0.010"	Diameter: 1"	Length: 5'	Total Depth: 11'	Depth to Water: ~7'
----------------------------	-----------------	-----------------	---------------	---------------------	------------------------

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0					
	Moist 0.0		N		2			SM	Sand, f.g. silty, dk brown, w/ organics, no odor	
	Moist 0.0		N		4			CL	Clay, sandy, dk brown to gray, weathered staining, no odor	
	Moist 0.5		N	MW-2 (4-6')	6					
	Wet 0.0		N		8			SW	Sand, f to cg, w/ gravel, no odor	
	Wet 0.0		N		10					
	Wet 0.3		N		12					
					14					
					16					
					18					
					20					
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					

Well Location Sketch:



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 Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-3	Project: Strong
Date: 1/11/2008	Project Number: NEP0722
Logged By: BDD	Drilled By: High Plains (Lenny)

Elevation:	Detector: MiniRAE 2000	Drilling Method: Direct Push	Sampling Method: Continuous
------------	----------------------------------	--	---------------------------------------

Gravel Pack: CSSI 10x20	Seal: Bentonite Chips	Grout: NA
-----------------------------------	---------------------------------	---------------------

Casing Type: Sch 40 PVC	Diameter: 1"	Length: 9'	Hole Diameter: 2"	Depth to Liquid:
-----------------------------------	------------------------	----------------------	-----------------------------	------------------

Screen Type: Sch 40 PVC	Slot: 0.010"	Diameter: 1"	Length: 5'	Total Depth: 12'	Depth to Water: ~8'
-----------------------------------	------------------------	------------------------	----------------------	----------------------------	-------------------------------

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0					
Moist	0.0		N		2			CL	Clay, sandy, dk brown, w/ organics, no odor	
Moist	0.1		N		4					
Moist	0.1		N		6			SC	Sand, fg, clayey, lt brown, no odor	
Moist	1.7		N	MW-3 6-8'	8			SC	Sand, fg, clayey, black stained, no odor	
Wet	23.3		Y		10					
Wet	1813		Y		12			3W	Sand, fg to Gg, w/ gravel, black stained, mod. odor, clean at 11'6"	
	42.6		Y		14					
					16					
					18					
					20					
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					

TD-12'

Well Location Sketch:

MW-4



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LT Environmental, Inc.
 4600 W. 60th Avenue
 Arvada, Colorado 80003

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: <i>MW-4</i>	Project: Strong
Date: 1/11/2008	Project Number: NEP0722
Logged By: BDD	Drilled By: High Plains (Lenny)

Elevation:	Detector: MiniRAE 2000	Drilling Method: Direct Push	Sampling Method: Continuous
------------	---------------------------	---------------------------------	--------------------------------

Gravel Pack: CSSI 10x20	Seal: Bentonite Chips	Grout: NA
----------------------------	--------------------------	--------------

Casing Type: Sch 40 PVC	Diameter: 1"	Length: <i>8'</i>	Hole Diameter: 2"	Depth to Liquid:
----------------------------	-----------------	----------------------	----------------------	------------------

Screen Type: Sch 40 PVC	Slot: 0.010"	Diameter: 1"	Length: 5'	Total Depth: <i>11'</i>	Depth to Water: <i>~8'</i>
----------------------------	-----------------	-----------------	---------------	----------------------------	-------------------------------

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0				
	Moist 0.0	0.0	N		2		SM	Sand, silty, f to mg, w/organics, dk brown, no odor	
	Moist 0.0	0.0	N		4		SC	Sand, gy, clayey, lt brown to gray, no odor	
	Moist 0.2	0.2	N		6				
	Moist 5.9	5.9	N		8		SW	Sand, f to egg, w/ gravel, black stained, mud odor from 10'-11'	
	Wet 77.7	77.7	Y		10				
	Wet 1040	1040	Y		12				
	6.9	6.9	N		12				
					14			TD - 12'	
					16			Set screen - 11'	
					18				
					20				
					22				
					24				
					26				
					28				
					30				
					32				
					34				
					36				
					38				
					40				

ATTACHMENT 2
ANALYTICAL LABORATORY REPORTS





ORIGINS
LABORATORY

4640 Pecos Street | Unit C | Denver, Colorado 80211
303.433.1322 Phone 303.265.9645 Fax

January 23, 2008

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

Brian Dodek
Project Number: NEP0722
Project: Strong Tank Battery

Attached are the analytical results for Strong Tank Battery received by Origins Laboratory, Inc. 1/14/2008 8:00:00AM. Please let us know if you have any questions, or if we can help with anything at all.



Laboratory Manager
Noelle E Doyle

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. This laboratory report is intended solely for the above addressee and it is only to be used and or reproduced in its entirety.

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



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

Brian Dodek
Project Number: NEP0722
Project: Strong Tank Battery

CROSS REFERENCE REPORT

Laboratory ID	Sample ID	Matrix	Sampled	Date Received
MW-1 @ 4'-6'	X801030-01	Soil	1/11/2008 9:40:00AM	01/14/2008 08:00
MW-2 @ 4'-6'	X801030-02	Soil	1/11/2008 10:15:00AM	01/14/2008 08:00
MW-3 @ 6'-8'	X801030-03	Soil	1/11/2008 11:00:00AM	01/14/2008 08:00
MW-4 @ 6'-8'	X801030-04	Soil	1/11/2008 11:45:00AM	01/14/2008 08:00

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

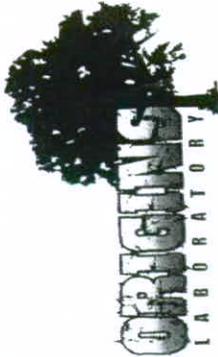
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Brian Dodek
 Project Number: NEP0722
 Project: Strong Tank Battery

X801030
 page 1 of 1



originslaboratory.com

Project Manager: **Brian Dodek**
 Project Name: **Strong Tank Battery**
 Project Number: **NEP0722**
 Samples Collected by: **BDD**

Client: **LT Environmental**
 Address: **4600 W 60th Ave**

Telephone Number: **On file**
 E-Mail Address: **On file**

Sample ID - Description	Date Sampled	Time Sampled	Preservative		Matrix			Analysis										
			Unpreserved	HCl	Groundwater	Soil	Air - Summa Canister #	Other	Other	Other								
MW-1 (4-6)	1-11-08	9:40	X			X			BTEX - 800									
MW-2 (4-6)		10:15	X			X			CR - 800									
MW-3 (6-8)		11:00	X			X												
MW-4 (6-8)		11:45	X			X												

Number of Containers: 1, 1, 1, 1

Relinquished by: **Brian Dodek** Date: **1-24-08** Time: **8:00**

Relinquished by: **[Signature]** Date: **1-14-08** Time: **8:00**

Temperature Upon Receipt: **72°F**

Turn Around Time: 24-hr, 48-hr, 72-hr, Standard **X**

4640 North Pecos Street Unit C Denver, Colorado 80211 Laboratory - 303.433.1322 Fax - 303.265.9645

Origins Laboratory, Inc.

Noelle E Doyle

Noelle E Doyle, Laboratory Manager

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.

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 Denver, Colorado 80211
 303.433.1322 | Laboratory
 303.265.9645 | Fax



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

Brian Dodek
 Project Number: NEP0722
 Project: Strong Tank Battery

MW-1 @ 4'-6'
 X801030-01 (Soil)

Analyte	Reporting							Notes
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	

Origins Laboratory, Inc.

GBTEX by EPA 8260B

Gasoline Range Hydrocarbons	ND	200	ug/kg	1	8A16002	01/16/2008	01/17/2008	
Benzene	ND	5.0	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	
Ethyl Benzene	ND	5.0	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	99.8 %	65-135			"	"	"	
Surrogate: Toluene-d8	96.1 %	65-135			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	65-135			"	"	"	

Origins Laboratory, Inc.

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.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
 Denver, Colorado 80211
 303.433.1322 | Laboratory
 303.265.9645 | Fax



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

Brian Dodek
 Project Number: NEP0722
 Project: Strong Tank Battery

MW-2 @ 4'-6'
 X801030-02 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

GBTEX by EPA 8260B

Gasoline Range Hydrocarbons	ND	200	ug/kg	1	8A16002	01/16/2008	01/17/2008	
Benzene	ND	5.0	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	
Ethyl Benzene	ND	5.0	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	94.6 %	65-135			"	"	"	
Surrogate: Toluene-d8	97.4 %	65-135			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.9 %	65-135			"	"	"	

Origins Laboratory, Inc.

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.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
 Denver, Colorado 80211
 303.433.1322 | Laboratory
 303.265.9645 | Fax



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

Brian Dodek
 Project Number: NEP0722
 Project: Strong Tank Battery

MW-3 @ 6'-8'
 X801030-03 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

GBTEX by EPA 8260B

Gasoline Range Hydrocarbons	ND	200	ug/kg	1	8A16002	01/16/2008	01/17/2008	
Benzene	ND	5.0	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	
Ethyl Benzene	ND	5.0	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	99.5 %	65-135			"	"	"
Surrogate: Toluene-d8	93.3 %	65-135			"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	65-135			"	"	"

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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.

4640 Pecos Street | Unit C
 Denver, Colorado 80211
 303.433.1322 | Laboratory
 303.265.9645 | Fax



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

Brian Dodek
 Project Number: NEP0722
 Project: Strong Tank Battery

MW-4 @ 6'-8'
 X801030-04 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

GBTEX by EPA 8260B

Gasoline Range Hydrocarbons	ND	200	ug/kg	1	8A16002	01/16/2008	01/17/2008	
Benzene	ND	5.0	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	
Ethyl Benzene	ND	5.0	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	99.5 %	65-135			"	"	"	
Surrogate: Toluene-d8	97.3 %	65-135			"	"	"	
Surrogate: 4-Bromofluorobenzene	110 %	65-135			"	"	"	

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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

Brian Dodek
 Project Number: NEP0722
 Project: Strong Tank Battery

Volatile Organic Compounds by EPA Method 8260B – Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8A16002 – EPA 5030B

Blank (8A16002-BLK1)

Prepared: 01/16/2008 Analyzed: 01/17/2008

Gasoline Range Hydrocarbons	ND	200	ug/kg							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethyl Benzene	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>59.2</i>		<i>ug/L</i>	<i>62.5</i>		<i>94.8</i>	<i>65-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>60.3</i>		<i>"</i>	<i>62.5</i>		<i>96.4</i>	<i>65-135</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>64.6</i>		<i>"</i>	<i>62.5</i>		<i>103</i>	<i>65-135</i>			

LCS (8A16002-BS1)

Prepared: 01/16/2008 Analyzed: 01/17/2008

Benzene	170	5.0	ug/kg	200		83.9	0-200			
Toluene	180	5.0	"	200		89.3	0-200			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>64.2</i>		<i>ug/L</i>	<i>62.5</i>		<i>103</i>	<i>65-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>64.3</i>		<i>"</i>	<i>62.5</i>		<i>103</i>	<i>65-135</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>59.1</i>		<i>"</i>	<i>62.5</i>		<i>94.5</i>	<i>65-135</i>			

Matrix Spike (8A16002-MS1)

Source: X801030-01

Prepared: 01/16/2008 Analyzed: 01/17/2008

Benzene	170	5.0	ug/kg	200	ND	87.2	65-135			
Toluene	180	5.0	"	200	ND	90.2	65-135			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>65.1</i>		<i>ug/L</i>	<i>62.5</i>		<i>104</i>	<i>65-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>57.4</i>		<i>"</i>	<i>62.5</i>		<i>91.9</i>	<i>65-135</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>57.1</i>		<i>"</i>	<i>62.5</i>		<i>91.4</i>	<i>65-135</i>			

Matrix Spike Dup (8A16002-MSD1)

Source: X801030-01

Prepared: 01/16/2008 Analyzed: 01/17/2008

Benzene	150	5.0	ug/kg	200	ND	77.4	65-135	12.0	20	
Toluene	160	5.0	"	200	ND	78.9	65-135	13.3	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>63.3</i>		<i>ug/L</i>	<i>62.5</i>		<i>101</i>	<i>65-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>58.3</i>		<i>"</i>	<i>62.5</i>		<i>93.3</i>	<i>65-135</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>60.0</i>		<i>"</i>	<i>62.5</i>		<i>96.0</i>	<i>65-135</i>			

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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

Brian Dodek
Project Number: NEP0722
Project: Strong Tank Battery

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

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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ORIGINS LABORATORY



4640 Pecos Street | Unit C | Denver, Colorado 80211
303.433.1322 Phone 303.265.9645 Fax

January 25, 2008

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

Brian Dodek
Project Number: NEP0722
Project: Strong Tank Battery

Attached are the analytical results for Strong Tank Battery received by Origins Laboratory, Inc. 1/21/2008 1:45:00PM. Please let us know if you have any questions, or if we can help with anything at all.

Laboratory Manager
Noelle E Doyle

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. This laboratory report is intended solely for the above addressee and it is only to be used and or reproduced in its entirety.

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

Brian Dodek
Project Number: NEP0722
Project: Strong Tank Battery

CROSS REFERENCE REPORT

Laboratory ID	Sample ID	Matrix	Sampled	Date Received
MW-01	X801045-01	Water	1/18/2008 9:00:00AM	01/21/2008 13:45
MW-02	X801045-02	Water	1/18/2008 9:30:00AM	01/21/2008 13:45
MW-03	X801045-03	Water	1/18/2008 9:45:00AM	01/21/2008 13:45
MW-04	X801045-04	Water	1/18/2008 10:05:00AM	01/21/2008 13:45

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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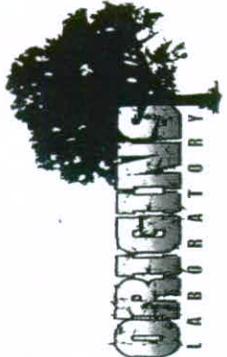


LT Environmental, Inc.
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 Arvada CO 80003

Brian Dodek
 Project Number: NEP0722
 Project: Strong Tank Battery

page 1 of 1

YB010AS



originslaboratory.com

Project Manager: **Brian Dodek**
 Project Name: **Strong battery**
 Project Number: **NEP0722**
 Samples Collected by: **Steve Svingiano**

Client: **LTE, Inc.**
 Address: **4600 W. 60th Ave. Arvada, CO 80003**
 Telephone Number: **303 433 7788**
 E-Mail Address: **bdodek@ltevi.com**

Sample ID - Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analysis		Sample Instructions		
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air - Summa Canister #	Other	Date		Time	
MW01	1-18-08	0900	3	X	X			X							
MW02	↓	0930	3	X	X			X							
MW03		0945	3	X	X			X							
MW04		1005	3	X	X			X							
<i>[Handwritten signature]</i>															

Relinquished by: **Steve Svingiano** Date: **1-21-08** Time: **13:45**
 Relinquished by: **[Signature]** Date: **12-08** Time: **7:45**
 Temperature Upon Receipt: Standard
 Turn Around Time: 24 hr / 48 hr / 72 hr

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Origins Laboratory, Inc.

[Handwritten signature]

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

Brian Dodek
 Project Number: NEP0722
 Project: Strong Tank Battery

MW-01
 X801045-01 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	1.00	ug/L	1	8A23001	01/23/2008	01/23/2008	
Toluene	ND	1.00	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	
m,p-Xylene	ND	2.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	92.7 %	65-135			"	"	"
Surrogate: Toluene-d8	94.9 %	65-135			"	"	"
Surrogate: 4-Bromofluorobenzene	99.6 %	65-135			"	"	"

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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LT Environmental, Inc.
 4600 West 60th Avenue
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Brian Dodek
 Project Number: NEP0722
 Project: Strong Tank Battery

MW-02
 X801045-02 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	1.00	ug/L	1	8A23001	01/23/2008	01/23/2008	
Toluene	ND	1.00	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	
m,p-Xylene	ND	2.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	86.5 %	65-135			"	"	"
Surrogate: Toluene-d8	111 %	65-135			"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	65-135			"	"	"

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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Brian Dodek
 Project Number: NEP0722
 Project: Strong Tank Battery

MW-03
 X801045-03 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	1.00	ug/L	1	8A23001	01/23/2008	01/23/2008	
Toluene	ND	1.00	"	"	"	"	"	
Ethylbenzene	29.3	1.00	"	"	"	"	"	
o-Xylene	1.02	1.00	"	"	"	"	"	
m,p-Xylene	64.5	2.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	90.6 %	65-135			"	"	"	
Surrogate: Toluene-d8	107 %	65-135			"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %	65-135			"	"	"	

Origins Laboratory, Inc.

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Brian Dodek
 Project Number: NEP0722
 Project: Strong Tank Battery

MW-04
 X801045-04 (Water)

Analyte	Reporting							Notes
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	1.00	ug/L	1	8A23001	01/23/2008	01/23/2008	
Toluene	ND	1.00	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	
o-Xylene	ND	1.00	"	"	"	"	"	
m,p-Xylene	ND	2.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	93.4 %	65-135			"	"	"	
Surrogate: Toluene-d8	110 %	65-135			"	"	"	
Surrogate: 4-Bromofluorobenzene	111 %	65-135			"	"	"	

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Brian Dodek
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Volatile Organic Compounds by EPA Method 8260B – Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Notes
Batch 8A23001 – EPA 5030B									
Blank (8A23001-BLK1)					Prepared: 01/23/2008 Analyzed: 01/23/2008				
Benzene	ND	1.00	ug/L						
Toluene	ND	1.00	"						
Ethylbenzene	ND	1.00	"						
o-Xylene	ND	1.00	"						
m,p-Xylene	ND	2.00	"						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	59.2		"	62.5	94.8	65-135			
<i>Surrogate: Toluene-d8</i>	63.6		"	62.5	102	65-135			
<i>Surrogate: 4-Bromofluorobenzene</i>	68.7		"	62.5	110	65-135			
LCS (8A23001-BS1)					Prepared: 01/23/2008 Analyzed: 01/23/2008				
Benzene	47.1	1.00	ug/L	50.0	94.2	0-200			
Toluene	54.6	1.00	"	50.0	109	0-200			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	58.3		"	62.5	93.2	65-135			
<i>Surrogate: Toluene-d8</i>	68.6		"	62.5	110	65-135			
<i>Surrogate: 4-Bromofluorobenzene</i>	57.1		"	62.5	91.3	65-135			
Matrix Spike (8A23001-MS1)		Source: X801043-01			Prepared: 01/23/2008 Analyzed: 01/23/2008				
Benzene	43.1	1.00	ug/L	50.0	ND	86.2	65-135		
Toluene	49.9	1.00	"	50.0	ND	99.7	65-135		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	55.9		"	62.5		89.5	65-135		
<i>Surrogate: Toluene-d8</i>	64.2		"	62.5		103	65-135		
<i>Surrogate: 4-Bromofluorobenzene</i>	63.6		"	62.5		102	65-135		
Matrix Spike Dup (8A23001-MSD1)		Source: X801043-01			Prepared: 01/23/2008 Analyzed: 01/23/2008				
Benzene	43.7	1.00	ug/L	50.0	ND	87.4	65-135	1.38	25
Toluene	49.3	1.00	"	50.0	ND	98.6	65-135	1.11	25
<i>Surrogate: 1,2-Dichloroethane-d4</i>	58.3		"	62.5		93.2	65-135		
<i>Surrogate: Toluene-d8</i>	68.2		"	62.5		109	65-135		
<i>Surrogate: 4-Bromofluorobenzene</i>	59.3		"	62.5		94.9	65-135		

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Noelle E Doyle, Laboratory Manager

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- 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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