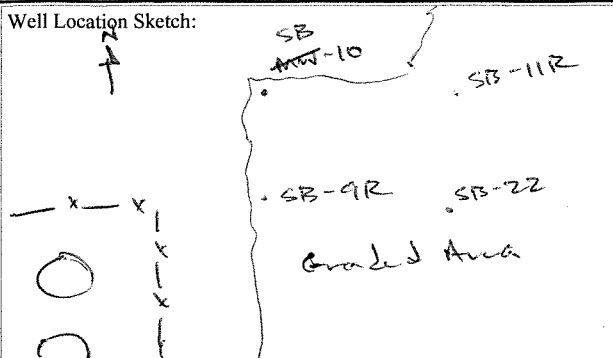


Well Location Sketch:



Compliance · Engineering · Remediation

LT Environmental, Inc.

4600 W. 60th Avenue

Arvada, Colorado 80003

## BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: SB-9R Project: NEP0713 North Star  
 Date: 11-10-08 Project Number: NEP0713  
 Logged By: James F. Drilled By: Gabe (Dakota)

Elevation: \_\_\_\_\_ Detector: Mini Ram PID Drilling Method: Direct Push Sampling Method: Continuous

Gravel Pack: Colorado Silica #10-20 Seal: Crumbles Bentonite Grout: \_\_\_\_\_

Casing Type: Sch. 40 PVC Diameter: 1" Length: \_\_\_\_\_ Hole Diameter: \_\_\_\_\_ Depth to Liquid: \_\_\_\_\_

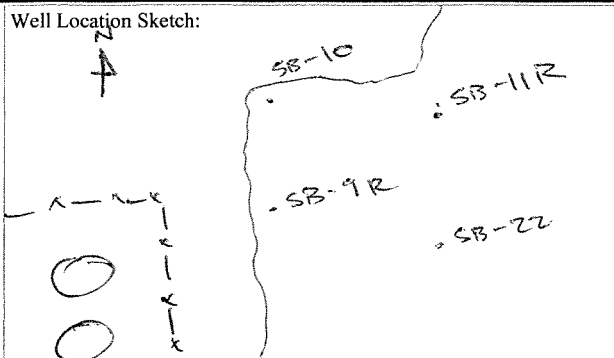
Screen Type: Sch. 40 PVC Slot: 0.01" Diameter: 1" Length: 10' Total Depth: 19.5' Depth to Water: 7'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
	9.2		Z		2			SC	clay, sandy, fgying, gypsum inclusions, dense, no staining or odor.	
	4.0		Z		4					
					6				very slight odor ~ 5-6'	
	5.1		Z		8			SC	Sand, fg, clayey, gypsum inclusions, loose, no staining or odor.	
					10					
	4.6		Z		12					
					14			CL	Alternating SC & CL layers below 14'. Did not see Gw but will assume it's at ~13'.	
	3.8		Z		16			SC		
					18			SC		
					20				Refusal @ 19.5'	
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					

NOTES:

Page 1 of 1

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: SB-11R	Project: North Star
Date: 11-10-08	Project Number: NEP0713
Logged By: James F.	Drilled By: Gabe (Dakota)

Elevation: _____	Detector: MiniRae PID	Drilling Method: Direct - Push	Sampling Method: Continuous
---------------------	--------------------------	-----------------------------------	--------------------------------

Gravel Pack: Colorado Silica #10-20	Seal: Bentonite Crumbles	Grout: _____
--	-----------------------------	-----------------

Casing Type: Sch. 40 PVC	Diameter: 1"	Length: 11.5'	Hole Diameter: _____	Depth to Liquid: _____
-----------------------------	-----------------	------------------	-------------------------	---------------------------

Screen Type: Sch. 40 PVC	Slot: 0.01"	Diameter: 1"	Length: 10'	Total Depth: 18.5'	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
	Sl. damp	0.0	2		2			SL	sand, fg, clayey, brown, sl. damp, no staining or odor.	
		1.3	2		4			CL	clay, sandy, fg, dense, & brown, no staining or odor	
					6					
					8					
					10				organic debris (roots, wood)	
					12					
	Very moist				14				Different CL @ 13' - Bottom of excavation? V. moist.	
					16					
					18				Moist CL ends. Dry, dense CL below.	
					20				Refusal @ 18.5'	
					22					
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					

NOTES:

Page of

**APPENDIX B**  
**LABORATORY ANALYTICAL REPORTS**





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

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November 15, 2008

---

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

Brian Dodek  
Project Number: NEP0713  
Project: North Star

---

Attached are the analytical results for North Star received by Origins Laboratory, Inc. 11/11/2008 3:32:00PM. Please let us know if you have any questions, or if we can help with anything at all.

A handwritten signature in black ink, appearing to read "Noelle E Doyle", is positioned above the printed name.

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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303.265.9645 | Fax



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

Brian Dodek  
Project Number: NEP0713  
Project: North Star

#### CROSS REFERENCE REPORT

Laboratory ID	Sample ID	Matrix	Sampled	Date Received
SB 04	X811046-01	Water	11/11/2008 12:05:00PM	11/11/2008 15:32
SB 06	X811046-02	Water	11/11/2008 12:21:00PM	11/11/2008 15:32
SB 09	X811046-03	Water	11/11/2008 1:33:00PM	11/11/2008 15:32
SB 12	X811046-04	Water	11/11/2008 1:15:00PM	11/11/2008 15:32
SB 13	X811046-05	Water	11/11/2008 1:03:00PM	11/11/2008 15:32
SB 21	X811046-06	Water	11/11/2008 12:28:00PM	11/11/2008 15:32
SB 22	X811046-07	Water	11/11/2008 1:24:00PM	11/11/2008 15:32
SB 23	X811046-08	Water	11/11/2008 12:54:00PM	11/11/2008 15:32

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.*

Brian Dodek  
Project Number: NEP0713  
Project: North Star

Naucke

Page 3 of 13

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

Brian Dodek  
Project Number: NEP0713  
Project: North Star

SB 04

X811046-01 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	0.00100	mg/L	1	8K13003	11/13/2008	11/14/2008
Toluene	ND	0.00100	"	"	"	"	"
Ethylbenzene	ND	0.00100	"	"	"	"	"
o-Xylene	ND	0.00100	"	"	"	"	"
m,p-Xylene	ND	0.00200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	104 %	70.3-123	"	"	"
Surrogate: Toluene-d8	104 %	75.9-123	"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	83-123	"	"	"

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

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Arvada CO 80003

Brian Dodek  
Project Number: NEP0713  
Project: North Star

**SB 06**

**X811046-02 (Water)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

**Origins Laboratory, Inc.**

**BTEX by EPA 8260B**

Benzene	ND	0.00100	mg/L	1	8K13003	11/13/2008	11/14/2008
Toluene	ND	0.00100	"	"	"	"	"
Ethylbenzene	ND	0.00100	"	"	"	"	"
o-Xylene	ND	0.00100	"	"	"	"	"
m,p-Xylene	ND	0.00200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	102 %	70.3-123	"	"	"
Surrogate: Toluene-d8	103 %	75.9-123	"	"	"
Surrogate: 4-Bromofluorobenzene	107 %	83-123	"	"	"

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager



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Brian Dodek  
Project Number: NEP0713  
Project: North Star

SB 09

X811046-03 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	0.00100	mg/L	1	8K13003	11/13/2008	11/14/2008
Toluene	ND	0.00100	"	"	"	"	"
Ethylbenzene	ND	0.00100	"	"	"	"	"
o-Xylene	ND	0.00100	"	"	"	"	"
m,p-Xylene	ND	0.00200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	108 %	70.3-123	"	"	"
Surrogate: Toluene-d8	100 %	75.9-123	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	83-123	"	"	"

Origins Laboratory, Inc.

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4600 West 60th Avenue  
Arvada CO 80003

Brian Dodek  
Project Number: NEP0713  
Project: North Star

SB 12

X811046-04 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	0.00100	mg/L	1	8K13003	11/13/2008	11/14/2008
Toluene	ND	0.00100	"	"	"	"	"
Ethylbenzene	ND	0.00100	"	"	"	"	"
o-Xylene	ND	0.00100	"	"	"	"	"
m,p-Xylene	ND	0.00200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	97.9 %	70.3-123	"	"	"
Surrogate: Toluene-d8	103 %	75.9-123	"	"	"
Surrogate: 4-Bromofluorobenzene	107 %	83-123	"	"	"

Origins Laboratory, Inc.

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Arvada CO 80003

Brian Dodek  
Project Number: NEP0713  
Project: North Star

SB 13

X811046-05 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	0.00100	mg/L	1	8K13003	11/13/2008	11/14/2008
Toluene	ND	0.00100	"	"	"	"	"
Ethylbenzene	ND	0.00100	"	"	"	"	"
o-Xylene	ND	0.00100	"	"	"	"	"
m,p-Xylene	ND	0.00200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	102 %	70.3-123	"	"	"
Surrogate: Toluene-d8	104 %	75.9-123	"	"	"
Surrogate: 4-Bromofluorobenzene	107 %	83-123	"	"	"

Origins Laboratory, Inc.

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Arvada CO 80003

Brian Dodek  
Project Number: NEP0713  
Project: North Star

SB 21

X811046-06 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	0.00100	mg/L	1	8K13003	11/13/2008	11/14/2008
Toluene	ND	0.00100	"	"	"	"	"
Ethylbenzene	ND	0.00100	"	"	"	"	"
o-Xylene	ND	0.00100	"	"	"	"	"
m,p-Xylene	ND	0.00200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	98.3 %	70.3-123	"	"	"
Surrogate: Toluene-d8	103 %	75.9-123	"	"	"
Surrogate: 4-Bromofluorobenzene	115 %	83-123	"	"	"

Origins Laboratory, Inc.

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Arvada CO 80003

Brian Dodek  
Project Number: NEP0713  
Project: North Star

SB 22

X811046-07 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	0.00100	mg/L	1	8K13003	11/13/2008	11/14/2008
Toluene	ND	0.00100	"	"	"	"	"
Ethylbenzene	ND	0.00100	"	"	"	"	"
o-Xylene	ND	0.00100	"	"	"	"	"
m,p-Xylene	ND	0.00200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	100 %	70.3-123	"	"	"
Surrogate: Toluene-d8	101 %	75.9-123	"	"	"
Surrogate: 4-Bromofluorobenzene	114 %	83-123	"	"	"

Origins Laboratory, Inc.

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Arvada CO 80003

Brian Dodek  
Project Number: NEP0713  
Project: North Star

SB 23

X811046-08 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	0.00100	mg/L	1	8K13003	11/13/2008	11/14/2008
Toluene	ND	0.00100	"	"	"	"	"
Ethylbenzene	ND	0.00100	"	"	"	"	"
o-Xylene	ND	0.00100	"	"	"	"	"
m,p-Xylene	ND	0.00200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	101 %	70.3-123	"	"	"
Surrogate: Toluene-d8	104 %	75.9-123	"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	83-123	"	"	"

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

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

Brian Dodek  
Project Number: NEP0713  
Project: North Star

**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 8K13003 – EPA 5030B**

**Blank (8K13003–BLK1)**

Prepared: 11/13/2008 Analyzed: 11/14/2008

Benzene	ND	0.001	mg/L							
Toluene	ND	0.001	"							
Ethylbenzene	ND	0.001	"							
o-Xylene	ND	0.001	"							
m,p-Xylene	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	55.5		ug/L	62.5		88.8	70.3–123			
Surrogate: Toluene-d8	65.5		"	62.5		105	75.9–123			
Surrogate: 4-Bromofluorobenzene	70.8		"	62.5		113	83–123			

**LCS (8K13003–BS1)**

Prepared: 11/13/2008 Analyzed: 11/14/2008

Benzene	0.05	0.001	mg/L	0.0500		92.7	64.2–124			
Toluene	0.04	0.001	"	0.0500		80.0	63.9–119			
Surrogate: 1,2-Dichloroethane-d4	66.0		ug/L	62.5		106	70.3–123			
Surrogate: Toluene-d8	62.7		"	62.5		100	75.9–123			
Surrogate: 4-Bromofluorobenzene	66.2		"	62.5		106	83–123			

**Matrix Spike (8K13003–MS1)**

Source: X811046–03

Prepared: 11/13/2008 Analyzed: 11/14/2008

Benzene	0.04	0.001	mg/L	0.0500	ND	83.3	64.2–124			
Toluene	0.04	0.001	"	0.0500	ND	78.2	63.9–119			
Surrogate: 1,2-Dichloroethane-d4	54.0		ug/L	62.5		86.5	70.3–123			
Surrogate: Toluene-d8	64.7		"	62.5		103	75.9–123			
Surrogate: 4-Bromofluorobenzene	64.9		"	62.5		104	83–123			

**Matrix Spike Dup (8K13003–MSD1)**

Source: X811046–03

Prepared: 11/13/2008 Analyzed: 11/14/2008

Benzene	0.04	0.001	mg/L	0.0500	ND	79.7	64.2–124	4.39	25	
Toluene	0.04	0.001	"	0.0500	ND	74.0	63.9–119	5.55	25	
Surrogate: 1,2-Dichloroethane-d4	66.6		ug/L	62.5		107	70.3–123			
Surrogate: Toluene-d8	63.7		"	62.5		102	75.9–123			
Surrogate: 4-Bromofluorobenzene	64.3		"	62.5		103	83–123			

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

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

Brian Dodek  
Project Number: NEP0713  
Project: North Star

### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit  
RPD Relative Percent Difference

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager





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---

December 01, 2008

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

Brian Dodek  
Project Number: NEP0713.04  
Project: North Star

---

Attached are the analytical results for North Star received by Origins Laboratory, Inc. 11/25/2008 4:00:00PM. Please let us know if you have any questions, or if we can help with anything at all.

A handwritten signature in black ink, appearing to read "Noelle Doyle", is positioned above the printed name.

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: NEP0713.04  
Project: North Star

#### CROSS REFERENCE REPORT

Laboratory ID	Sample ID	Matrix	Sampled	Date Received
SB-11	X811101-01	Water	11/25/2008 1:15:00PM	11/25/2008 16:00

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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Brian Dodek

Project Number: NEP0713.04

Project: North Star



**O'BRIEN**  
LABORATORY, INC.

Project Manager- BDD  
Project Name- Northstar VV 15-13  
Project Number- NEP0713  
Samples Collected by- TED

Client: LTE  
Address: 34600 W 60th Ave  
Arvada CO 80003  
Telephone Number: ON FILE  
E-Mail Address: \_\_\_\_\_

Sample ID - Description	Date Sampled	Time Sampled	Number of Containers	Preservative					Matrix			Analysis			Sample Instructions		
				Unpreserved	HCl	HNO <sub>3</sub>	Other <b>HF</b>	Groundwater	Soil	Air - Summa Canister #	Other -	Aspirator	Other				
SB-4	11/24/08	13:15	3	X	X		X	X							1		
															2		
															3		
															4		
															5		
															6		
															7		
															8		
															9		
															10		
Requisitioned by: <b>SPD</b>	Date: 11/25/08	Time: 1600	Received by: <b>[Signature]</b>	Date: 11/25/08	Time: 1600	Temperature Upon Receipt: <b>31C</b>	Turn Around Time: <b>24 hr</b>	Same Day: <b>X</b>	48 hr: <b></b>	72 hr: <b></b>	Requisitioned by: <b>[Signature]</b>	Date: 11/25/08	Time: 1600	Turn Around Time: <b>24 hr</b>	Same Day: <b>X</b>	48 hr: <b></b>	72 hr: <b></b>

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Naucke

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

Brian Dodek  
Project Number: NEP0713.04  
Project: North Star

SB-11

X811101-01 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	0.00263	0.00100	mg/L	1	8K26001	11/26/2008	11/26/2008
Toluene	ND	0.00100	"	"	"	"	"
Ethylbenzene	ND	0.00100	"	"	"	"	"
o-Xylene	ND	0.00100	"	"	"	"	"
m,p-Xylene	0.0379	0.00200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	101 %	70.3-123	"	"	"
Surrogate: Toluene-d8	86.9 %	75.9-123	"	"	"
Surrogate: 4-Bromofluorobenzene	109 %	83-123	"	"	"

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

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

Brian Dodek  
Project Number: NEP0713.04  
Project: North Star

**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 8K26001 – EPA 5030B**

**Blank (8K26001–BLK1)**

Prepared: 11/26/2008 Analyzed: 11/26/2008

Benzene	ND	0.001	mg/L							
Toluene	ND	0.001	"							
Ethylbenzene	ND	0.001	"							
o-Xylene	ND	0.001	"							
m,p-Xylene	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	66.4		ug/L	62.5		106	70.3–123			
Surrogate: Toluene-d8	54.4		"	62.5		87.1	75.9–123			
Surrogate: 4-Bromofluorobenzene	70.2		"	62.5		112	83–123			

**LCS (8K26001–BS1)**

Prepared: 11/26/2008 Analyzed: 11/26/2008

Benzene	0.06	0.001	mg/L	0.0500		122	64.2–124			
Toluene	0.05	0.001	"	0.0500		92.3	63.9–119			
Surrogate: 1,2-Dichloroethane-d4	65.2		ug/L	62.5		104	70.3–123			
Surrogate: Toluene-d8	54.1		"	62.5		86.6	75.9–123			
Surrogate: 4-Bromofluorobenzene	69.4		"	62.5		111	83–123			

**Matrix Spike (8K26001–MS1)**

Source: X811102–01

Prepared: 11/26/2008 Analyzed: 12/01/2008

Benzene	0.05	0.001	mg/L	0.0500	ND	107	64.2–124			
Toluene	0.06	0.001	"	0.0500	ND	113	63.9–119			
Surrogate: 1,2-Dichloroethane-d4	62.0		ug/L	62.5		99.1	70.3–123			
Surrogate: Toluene-d8	61.2		"	62.5		97.9	75.9–123			
Surrogate: 4-Bromofluorobenzene	59.1		"	62.5		94.6	83–123			

**Matrix Spike Dup (8K26001–MSD1)**

Source: X811102–01

Prepared: 11/26/2008 Analyzed: 12/01/2008

Benzene	0.05	0.001	mg/L	0.0500	ND	93.2	64.2–124	13.7	25	
Toluene	0.05	0.001	"	0.0500	ND	99.4	63.9–119	12.4	25	
Surrogate: 1,2-Dichloroethane-d4	59.6		ug/L	62.5		95.3	70.3–123			
Surrogate: Toluene-d8	62.3		"	62.5		99.7	75.9–123			
Surrogate: 4-Bromofluorobenzene	63.2		"	62.5		101	83–123			

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### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit  
RPD Relative Percent Difference

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