

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 132855 Report Date: 09/04/02
Project ID: Bob Durham
Sample Name: MW 32
Sample Matrix: water
Date Received: 08/21/2002 Time: 09:30
Date Sampled: 08/19/2002 Time: 09:41

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Metals Dig.-HNO ₃	---	---	---	---	08/26/02	3010A	---	---	---	---	---
Total dissolved solids	676	mg/L	1	<1	08/23/02	160.1	---	0.07	-NA-	-NA-	-NA-
Calcium/ICP	166	mg/L	10	<10	08/28/02	6010 & 200.7	---	4.61	104.5	101.74	114.03
Magnesium/ICP	26	mg/L	5	<5	08/28/02	6010 & 200.7	---	11.06	111.3	102.92	108.06
Potassium/AA	5.56	mg/L	0.25	<0.25	08/30/02	258.1&7610	---	6.76	88.61	99	105.01
Sodium/ICP	90.5	mg/L	50	<50	08/28/02	6010 & 200.7	S3,M	7.38	Mt.Intf.	97.6	118.56
Alkalinity, total	360	mg/L	10	<10	08/28/02	310.1	---	0	-NA-	-NA-	-NA-
Chloride	121	mg/L	5	<5	09/07/02	325.2&9251	---	2.21	102.29	105.6	96.99
Fluoride	1.2	mg/L	0.05	<0.05	08/22/02	340.2	---	2.05	106.18	100	104.4
Sulfate	53.3	mg/L	2	<2	08/28/02	375.4&9038	---	0.6	98.07	105.7	106.08

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Respectfully Submitted,

Richard Laster

Richard Laster

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Exceptions Report:

Report #/Lab ID#: 132855	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Bob Durham		
Sample Name: MW 32		

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Sodium/ICP	S3.M	MS, MSD & PDS recovery outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.

Notes:

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 132856 **Report Date:** 09/04/02
Project ID: Bob Durham
Sample Name: MW 12
Sample Matrix: water
Date Received: 08/21/2002 **Time:** 09:30
Date Sampled: 08/19/2002 **Time:** 16:57

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Metals Dig.-HNO ₃	---	---	---	---	08/26/02	3010A	---	---	---	---	---
Total dissolved solids	617	mg/L	1	<1	08/23/02	160.1	---	0.07	-NA-	-NA-	-NA-
Calcium/ICP	146	mg/L	10	<10	08/28/02	6010 & 200.7	---	4.61	104.5	101.74	114.03
Magnesium/ICP	24.2	mg/L	5	<5	08/28/02	6010 & 200.7	---	11.06	111.3	102.92	108.06
Potassium/AA	2.18	mg/L	0.25	<0.25	08/30/02	258.1 & 7610	---	6.76	88.61	99	105.01
Sodium/ICP	83.3	mg/L	50	<50	08/28/02	6010 & 200.7	S3,M	7.38	Mt.Intf.	97.6	118.56
Alkalinity, total	370	mg/L	10	<10	08/28/02	310.1	---	0	-NA-	-NA-	-NA-
Chloride	105	mg/L	5	<5	08/26/02	325.2 & 9251	---	1.39	98.9	97.08	90.19
Fluoride	1.5	mg/L	0.05	<0.05	08/22/02	340.2	---	2.05	106.18	100	104.4
Sulfate	<1	mg/L	1	<1	08/28/02	375.4 & 9038	---	0.6	98.07	105.7	106.08

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Exceptions Report:

Report #/Lab ID#: 132856	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Bob Durham		
Sample Name: MW 12		

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

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- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under INRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Sodium/ICP	S3 M	MS, MSD & PDS recovery outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.

Notes:

For Use On **EOTT ENERGY CORP. P&H**
EOTT ENERGY CORP.
 5805 East Business 20
 Midland, TX 79702
 Tel (915) 687-3400
 Fax (915) 582-2781

4500 West Ward
 Midland, TX 79703
 Tel (915) 522-1139
 Fax (915) 520-4310

Environmental Technology Group, Inc.
 ANALYSIS REQUEST
 (Circle or Specify Method No.)

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
 (Circle or Specify Method No.)

Project Manager: **KEN DUTTON**

Project Name: **BOB DURHAM**

Project Location: **MONUMENT NM**

ETGI Project Number: **502044**

Sample Signature: *[Signature]*

EOTT Leak Number:

Field Code

LAB #
 (Lab Use Only)

CONTAINERS

Volume/Amount

WATER

SOIL

AIR

SLUDGE

HCL

HNO₃

NaHSO₄

ICE

NONE

PRESERVATION METHOD

MATRIX

SAMPLING

DATE

TIME

REMARKS:

Received by: Date: Time:

Relinquished by: Date: Time:

Temp: 5.0°C



3512 Montopolis Dr., Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133982 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 3
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 15:18

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		10/01/02	8260b	---	---	---	---	---
Benzene	74.4	µg/L	1	<1	10/01/02	8260b	---	8.2	101.8	91.8	113.4
Ethylbenzene	8.36	µg/L	1	<1	10/01/02	8260b	---	2.5	96.9	96.7	91.6
m,p-Xylenes	7.12	µg/L	1	<1	10/01/02	8260b	---	0.8	94	93.2	89.8
o-Xylene	<1	µg/L	1	<1	10/01/02	8260b	---	2.5	100.7	95.8	94.1
Toluene	<1	µg/L	1	<1	10/01/02	8260b	---	3.9	106.3	95	111

QUALITY ASSURANCE DATA¹

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Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 3	Report#/Lab ID#: 133982 Sample Matrix: water
--	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	120	80-120	---
Toluene-d8	8260b	92.4	88-110	---

Data Qualifiers: D = Surrogates diluted and X = Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
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Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report# / Lab ID#: 133983 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 9
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 11:44

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/25/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/25/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/25/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/25/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/25/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/25/02	8260b	---	7.4	103	104.4	97.1

QUALITY ASSURANCE DATA¹

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Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133984 Report Date: 10/02/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 10

Sample Matrix: water

Date Received: 09/25/2002 Time: 09:45

Date Sampled: 09/23/2002 Time: 11:53

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	3.52	µg/L	1	<1	09/26/02	8260b	---	8.2	101.8	91.8	113.4
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	2.5	96.9	96.7	91.6
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	0.8	94	93.2	89.8
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	2.5	100.7	95.8	94.1
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	3.9	106.3	95	111

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

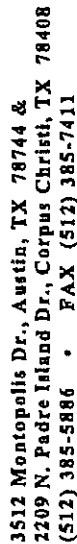
Project ID: Bob Durham EOT 2044C
Sample Name: MW 10

Report#/Lab ID#: 133984
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	115	80-120	---
Toluene-d8	8260b	99.1	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



NM 88240

Date received:	09/23/2002	Time:	12:18
Date Sampled:	09/23/2002	Time:	12:18

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Foster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 11	Report#/Lab ID#: 133985 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	119	80-120	---
Toluene-d8	8260b	97.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
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Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133986 Report Date: 10/02/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 13

Sample Matrix: water

Date Received: 09/25/2002 Time: 09:45

Date Sampled: 09/23/2002 Time: 12:28

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		10/01/02	8260b	---	---	---	---	---
Benzene	458	µg/L	10	<10	09/26/02	8260b	---	8.2	101.8	91.8	113.4
Ethylbenzene	113	µg/L	1	<1	10/01/02	8260b	---	2.5	96.9	96.7	91.6
m,p-Xylenes	57.4	µg/L	1	<1	10/01/02	8260b	---	0.8	94	93.2	89.8
o-Xylene	<1	µg/L	1	<1	10/01/02	8260b	---	2.5	100.7	95.8	94.1
Toluene	<1	µg/L	1	<1	10/01/02	8260b	---	3.9	106.3	95	111

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 13	Report#/Lab ID#: 133986 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	80-120	---
Toluene-d8	8260b	95.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133987 Report Date: 10/02/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 14

Sample Matrix: water

Date Received: 09/25/2002 Time: 09:45

Date Sampled: 09/23/2002 Time: 12:40

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/25/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/25/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/25/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/25/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/25/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/25/02	8260b	---	7.4	103	104.4	97.1

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C
Sample Name: MW 14

Report#/Lab ID#: 133987
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	110	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group

Attn: Ken Dutton

Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133988 Report Date: 10/02/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 15

Sample Matrix: water

Date Received: 09/25/2002 Time: 09:45

Date Sampled: 09/23/2002 Time: 12:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	2.2	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 15	Report#/Lab ID#: 133988 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	---
Toluene-d8	8260b	98.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133989 Report Date: 10/02/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 17

Sample Matrix: water

Date Received: 09/25/2002 Time: 09:45

Date Sampled: 09/23/2002 Time: 09:35

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 17	Report#/Lab ID#: 133989 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	99.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133990 Report Date: 10/02/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 18

Sample Matrix: water

Date Received: 09/25/2002 Time: 09:45

Date Sampled: 09/23/2002 Time: 09:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

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Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 18	Report#/Lab ID#: 133990 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	97.8	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133991 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 19
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 14:25

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

QUALITY ASSURANCE DATA¹

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Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 204C Sample Name: MW 19	Report#/Lab ID#: 133991 Sample Matrix: water
--	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	80-120	---
Toluene-d8	8260b	97.9	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133992 Report Date: 10/02/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 20

Sample Matrix: water

Date Received: 09/25/2002 Time: 09:45

Date Sampled: 09/23/2002 Time: 14:54

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

QUALITY ASSURANCE DATA¹

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Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 20	Report#/Lab ID#: 133992 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	109	80-120	---
Toluene-d8	8260b	97.1	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133993 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 21
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 15:07

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	<1	µg/L	1	<1	09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

QUALITY ASSURANCE DATA¹

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Richard Laster

Richard Laster

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Client: Environmental Tech Group	Project ID: Bob Durham EOT 2044C	Report#/Lab ID#: 133993
Attn: Ken Dutton	Sample Name: MW 21	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.7	80-120	---
Toluene-d8	8260b	98	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133994 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 22
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 14:40

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 22	Report#/Lab ID#: 133994 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133995 Report Date: 10/02/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 24

Sample Matrix: water

Date Received: 09/25/2002 Time: 09:45

Date Sampled: 09/23/2002 Time: 14:17

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

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Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 24	Report#/Lab ID#: 133995 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.1	80-120	---
Toluene-d8	8260b	102	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report# / Lab ID#: 133996 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 25
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 14:02

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 25	Report#/Lab ID#: 133996 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	98.4	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133997 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 26
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 10:58

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

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Respectfully Submitted,

Richard Laster

Richard Laster

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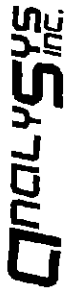
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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 26	Report#/Lab ID#: 133997 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	97.3	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133998 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 27
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 10:43

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C
Sample Name: MW 27

Report#/Lab ID#: 133998
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	99.2	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 133999 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 29
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 11:18

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

QUALITY ASSURANCE DATA¹

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Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 29	Report#/Lab ID#: 133999 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs,
NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

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Respectfully Submitted,

Richard Laster

Richard Laster

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 30	Report#/Lab ID#: 134000 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	80-120	---
Toluene-d8	8260b	98.3	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 134001 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 31
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 12:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 31	Report#/Lab ID#: 134001 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	98.3	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 134002 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 33
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 12:53

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

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Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Dr., Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton

Project ID: Bob Durham EOT 2044C
Sample Name: MW 33

Report#/Lab ID#: 134002
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	80-120	---
Toluene-d8	8260b	99.6	88-110	---

Data Qualifiers: D = Surrogates diluted and X = Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 134003 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 34
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 10:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 34	Report#/Lab ID#: 134003 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.8	80-120	---
Toluene-d8	8260b	99.2	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 134004 Report Date: 10/02/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 35

Sample Matrix: water

Date Received: 09/25/2002 Time: 09:45

Date Sampled: 09/23/2002 Time: 10:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	5.4	98	102.2	94.5
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	6.8	103.7	101.9	99.5
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	5.9	98.6	96.3	95.1
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	3.6	99.3	98.6	96.4
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	7.4	103	104.4	97.1

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 35	Report#/Lab ID#: 134004 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	--
Toluene-d8	8260b	99.4	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 134005 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 36
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 10:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1									
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³ CCV ⁴ LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	8.2	101.8 91.8 113.4
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	2.5	96.9 96.7 91.6
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	0.8	94 93.2 89.8
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	2.5	100.7 95.8 94.1
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	3.9	106.3 95 111

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 36	Report#/Lab ID#: 134005 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.3	80-120	---
Toluene-d8	8260b	99	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Maryland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 134006 Report Date: 10/02/02
Project ID: Bob Durham EOT 2044C
Sample Name: MW 37
Sample Matrix: water
Date Received: 09/25/2002 Time: 09:45
Date Sampled: 09/23/2002 Time: 13:08

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	41.7	µg/L	1	<1	09/26/02	8260b	---	8.2	101.8	91.8	113.4
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	2.5	96.9	96.7	91.6
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	0.8	94	93.2	89.8
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	2.5	100.7	95.8	94.1
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	3.9	106.3	95	111

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 37	Report#/Lab ID#: 134006 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	80-120	---
Toluene-d8	8260b	98.3	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 134007 Report Date: 10/02/02

Project ID: Bob Durham EOT 2044C

Sample Name: MW 38

Sample Matrix: water

Date Received: 09/25/2002 Time: 09:45

Date Sampled: 09/23/2002 Time: 13:25

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	37.1	µg/L	1	<1	09/26/02	8260b	---	8.2	101.8	91.8	113.4
Ethylbenzene	24.7	µg/L	1	<1	09/26/02	8260b	---	2.5	96.9	96.7	91.6
m,p-Xylenes	19	µg/L	1	<1	09/26/02	8260b	---	0.8	94	93.2	89.8
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	2.5	100.7	95.8	94.1
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	3.9	106.3	95	111

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Lastor

Richard Lastor

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: MW 38	Report#/Lab ID#: 134007 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	--
Toluene-d8	8260b	97	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group

Attn: Ken Dutton

Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 134008 Report Date: 10/02/02

Project ID: Bob Durham EOT 2044C

Sample Name: EB-1

Sample Matrix: water

Date Received: 09/25/2002 Time: 09:45

Date Sampled: 09/23/2002 Time: 15:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/26/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/26/02	8260b	---	8.2	101.8	91.8	113.4
Ethylbenzene	<1	µg/L	1	<1	09/26/02	8260b	---	2.5	96.9	96.7	91.6
m,p-Xylenes	<1	µg/L	1	<1	09/26/02	8260b	---	0.8	94	93.2	89.8
o-Xylene	<1	µg/L	1	<1	09/26/02	8260b	---	2.5	100.7	95.8	94.1
Toluene	<1	µg/L	1	<1	09/26/02	8260b	---	3.9	106.3	95	111

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Respectfully Submitted,

Richard Lastor

Richard Lastor

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EOT 2044C Sample Name: EB-1	Report#/Lab ID#: 134008 Sample Matrix: water
--	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	80-120	---
Toluene-d8	8260b	97.6	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

CHAIN-OF-CUSTODY

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Company Name EOT

Address

City _____ State _____ Zip _____

ATTN:

Phone _____ Fax _____

COC: 163 1 '3
ANALYSYS INC.

4221 Freilich Lane, Suite 190, Austin, TX 78744

Phone: (512) 344-5806

Fax: (512) 447-1760

Rack Status (must be confirmed with lab mgr.):

Project Name/ID: BOB Durham Sampler: Mando CampoEOT-20440

Analyses Requested (1)

Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water/Waste	Lab I.D. # (Lab only)
MW 3	9-23-02	1518	2		X	133982
MW 9		1144	1			133983
MW 10		1153				133984
MW 11		1218				133985
MW 13		1228				133986
MW 14		1240				133987
MW 15		1245				133988
MW 17		0935				133989
MW 18		0950				133990
MW 19		1425	V		V	133991

Comments

STEX 802) B

If not specifically requested otherwise, on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported as ASI's potential reporting limits (BBL) for GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody. ASI will default to Priority, Full-range or ASI's Full, but at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 2.2°C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Mando Campo	E.T.G.I.	9-24-02	Mando Campo	ASI	9/25/02
					0945

[Fendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/supplier to AnalySys, Inc.'s standard terms.]

CHAIN OF CUSTODY

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Company Name E.T.G. I.
 Address 2580 W. Maryland
 City SPRING State NM Zip 88240
 Phone 505-881-1177 Fax 505-881-1178
 E-mail etgi@etgi.com

Bill to (if different):

Company Name EOT
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____ Phone _____ Fax _____

Each status must be confirmed with lab mgr.:

Project Name: Bob Durham Sample: Marcelo Campes
 EOT-2044C

Client Sample No.	Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 20		9-23-02	1454	2				133992	X
MW 21			1507					133993	
MW 22			1440					133994	
MW 24			1417					133995	
MW 25			1402					133996	
MW 26			1058					133997	
MW 27			1043					133998	
MW 29			1118					133999	
MW 30			1134					134000	
MW 31			1225					134001	

Added to custody chain, after specified, on this chain of custody, all analyses will be conducted using ASD's method of choice and all data will be reported as ASD's method of choice. ASD's method of choice is the method of choice for all analyses and extractions, unless specific analytical parameter lists are specified on this chain of custody or attached to this chain of custody. ASD's method of choice is the method of choice for all analyses and extractions. Specific compound lists must be supplied for all GC procedures.

Temp: 22°C

Sample Relinquished By		Sample Received By	
Name	Affiliation	Name	Affiliation
Marcelo Campes	E.T.G.I.	Marcelo Campes	ASL
Date	Time	Date	Time
9-24-02	1030	9/25/02	0995

Each of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/supplier to AnalySys, Inc.'s standard and terms of

CDC: 163 202

ANALYSYS INC.

4711 Fieldrich Lane, Suite 100, Austin, TX 78711
 Phone: (512) 441-4826
 Fax: (512) 441-4166

CHAIN OF CUSTODY

Send Reports To:

Company Name: EOT
 Address: 2510 W. 20th Ave
 City: Denver State: CO Zip: 80244
 ATTN: Bob Dorman
 Phone: 303-733-8181 Fax: 303-733-4761

Bill to (if different):

Company Name: EOT
 Address: 4221 Friedrich Lane, Suite 190, Austin, TX 78744
 City: Austin State: TX Zip: 78744
 ATTN: Bob Dorman
 Phone: 512-417-4760 Fax: 512-417-4760

Each Status must be confirmed with lab mgr.:

Project Name/Code: Bob Dorman Sampler: Marcelo Campos
EOT 2044C

Client Sample For Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
MW 33	9-23-00	1253	2		X		134002	
MW 34		1005					134003	
MW 35		1020					134004	
MW 36		1030					134005	
MW 37		1308					134006	
MW 38		1325					134007	
EB-1	9-23-00	1525	↓		↓		134008	

Each Status must be confirmed with lab mgr.:

Temp: 22°C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Marcelo Campos	E.T.G.I.	9-24-00	Marcelo Campos	ASL	9/25/00

Understanding of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/supplier to AnalySys, Inc.'s standard terms.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137071 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 3
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 16:27

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	60.5	µg/L	1	<1	12/11/02	8260b	---	3.3	79.9	86.1	85.8
Ethylbenzene	24.1	µg/L	1	<1	12/11/02	8260b	---	3.9	112.7	113.8	111.5
m,p-Xylenes	25.7	µg/L	1	<1	12/11/02	8260b	---	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	4.3	90.7	99.3	99.5

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Respectfully Submitted,

Richard Laster

Richard Laster

QUALITY ASSURANCE DATA¹

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



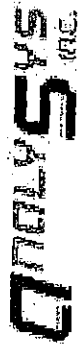
3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 3	Report#/Lab ID#: 137071 Sample Matrix: water
--	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.8	80-120	--
Toluene-d8	8260b	100	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137072 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 9
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 14:11

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	--		---		12/10/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/10/02	8260b	---	1.1	86.1	81.5	76.5
Ethylbenzene	<1	µg/L	1	<1	12/10/02	8260b	---	7.8	114.1	111.9	112.7
m,p-Xylenes	<1	µg/L	1	<1	12/10/02	8260b	---	8	108.8	104.1	106.7
o-Xylene	<1	µg/L	1	<1	12/10/02	8260b	---	8.5	113.8	109.8	113.6
Toluene	<1	µg/L	1	<1	12/10/02	8260b	---	0.4	96.8	91.8	94.8

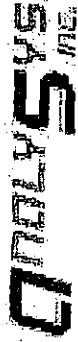
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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 9	Report#/Lab ID#: 137072 Sample Matrix: water
--	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85	80-120	--
Toluene-d8	8260b	98.2	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137073 Report Date: 12/16/02

Project ID: Bob Durham EO 2044

Sample Name: MW 10

Sample Matrix: water

Date Received: 12/06/2002 Time: 14:10

Date Sampled: 12/02/2002 Time: 15:57

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	1.66	µg/L	1	<1	12/11/02	8260b	---	3.3	75.6	82.3	87.7
Ethylbenzene	1.54	µg/L	1	<1	12/11/02	8260b	---	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	J	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	1.6	90.5	96.5	109.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 10	Report#/Lab ID#: 137073 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	81.4	80-120	---
Toluene-d8	8260b	99.2	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 137073	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Bob Durham EO 2044		
Sample Name: MW 10		

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	J	See J-flag discussion above.

Notes:



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2149 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137074 Report Date: 12/16/02
Project ID: Bob Dutton EO 2044
Sample Name: MW11
Sample Matrix: water
Date Received: 12/05/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 15:38

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	J	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	1.6	90.5	96.5	109.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 11	Report#/Lab ID#: 137074 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	81.5	80-120	--
Toluene-d8	8260b	101	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 137074	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Bob Durham EO 2044		
Sample Name: MW 11		

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.

Notes:



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137075 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 13
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 14:09

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---	---	---	---	12/11/02	8260b	---	---	---	---	---
Benzene	199	µg/L	1	<1	12/11/02	8260b	---	3.3	79.9	86.1	85.8
Ethylbenzene	94.2	µg/L	1	<1	12/11/02	8260b	---	3.9	112.7	113.8	111.5
m,p-Xylenes	3.88	µg/L	1	<1	12/11/02	8260b	---	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	4.3	90.7	99.3	99.5

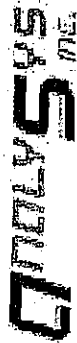
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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	Project ID: Bob Durham EO 2044	Report#/Lab ID#: 137075
Attn: Ken Dutton	Sample Name: MW 13	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	110	80-120	--
Toluene-d8	8260b	109	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137076 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 14
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 15:24

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	1.6	90.5	96.5	109.7

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Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 14	Report#/Lab ID#: 137076 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.3	80-120	---
Toluene-d8	8260b	103	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137077 Report Date: 12/16/02

Project ID: Bob Durham EO 2044

Sample Name: MW 15

Sample Matrix: water

Date Received: 12/06/2002 Time: 14:10

Date Sampled: 12/02/2002 Time: 15:47

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	2.46	µg/L	1	<1	12/11/02	8260b	---	3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	1.6	90.5	96.5	109.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 15	Report#/Lab ID#: 137077 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.9	80-120	---
Toluene-d8	8260b	100	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report# Lab ID#: 137078 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 17
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 12:27

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	1.6	90.5	96.5	109.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 17	Report#/Lab ID#: 137078 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	84.4	80-120	---
Toluene-d8	8260b	100	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137079 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 18
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 12:49

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	1.6	90.5	96.5	109.7

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Respectfully Submitted,

Richard Laster

Richard Laster

QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 18	Report#/Lab ID#: 137079 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.6	80-120	--
Toluene-d8	8260b	100	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137080 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 19
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 10:24

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	1.6	90.5	96.5	109.7

QUALITY ASSURANCE DATA¹

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Richard Laster

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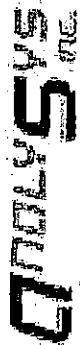
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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 19	Report#/Lab ID#: 137080 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	81.5	80-120	---
Toluene-d8	8260b	100	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137081 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 20
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 11:13

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	1.6	90.5	96.5	109.7

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 20	Report#/Lab ID#: 137081 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.1	80-120	---
Toluene-d8	8260b	100	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137082 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 21
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 11:04

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	—	—	—	—	12/11/02	8260b	—	—	—	—	—
Benzene	<1	µg/L	1	<1	12/11/02	8260b	—	3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	—	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	—	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	—	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	—	1.6	90.5	96.5	109.7

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Richard Laster

Richard Laster

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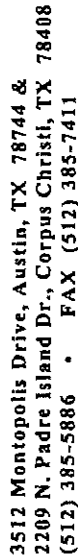
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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 21	Report#/Lab ID#: 137082 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	82.7	80-120	--
Toluene-d8	8260b	100	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



Report#/Lab ID#:	137083	Report Date:	12/16/02
Project ID:	Bob Durham EO 2044		
Sample Name:	MW 22		
Sample Matrix:	water		
Date Received:	12/06/2002	Time:	14:10
Date Sampled:	12/02/2002	Time:	10:41

QUALITY ASSURANCE DATA!

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---				12/11/02	8260b					
Benzene	<1	µg/L	1	<1	12/11/02	8260b		3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b		0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b		1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b		0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b		1.6	90.5	96.5	109.7

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Respectfully Submitted,
Richard Laster



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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 22	Report#/Lab ID#: 137083 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.7	80-120	---
Toluene-d8	8260b	100	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137084 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 24
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 10:08

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	1.6	90.5	96.5	109.7

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Respectfully Submitted,

Richard Laster

Richard Laster

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3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 24	Report#/Lab ID#: 137084 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	84.2	80-120	---
Toluene-d8	8260b	99.3	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report# / Lab ID#: 137085 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 25
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 09:52

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	1.6	90.5	96.5	109.7

QUALITY ASSURANCE DATA¹

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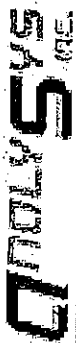
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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 25	Report#/Lab ID#: 137085 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.2	80-120	--
Toluene-d8	8260b	100	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137086 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 26
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 11:48

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	--		--		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	75.6	82.3	87.7
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	0.4	110	111.3	109.6
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	1.7	104	103.9	109.2
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	0.5	108.9	108.8	113.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	1.6	90.5	96.5	109.7

QUALITY ASSURANCE DATA¹

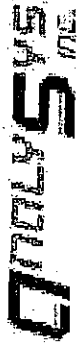
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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 26	Report#/Lab ID#: 137086 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.2	80-120	--
Toluene-d8	8260b	105	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137087 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 27
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 12:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	J	3.3	79.9	86.1	85.8
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.9	112.7	113.8	111.5
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	J	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	J	4.3	90.7	99.3	99.5

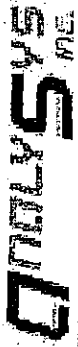
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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 27	Report#/Lab ID#: 137087 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.1	80-120	--
Toluene-d8	8260b	99.4	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 137087	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Bob Durham EO 2044		
Sample Name: MW 27		

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137088 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 29
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 13:58

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	79.9	86.1	85.8
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.9	112.7	113.8	111.5
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	J	4.3	90.7	99.3	99.5

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 29	Report#/Lab ID#: 137088 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	82.4	80-120	--
Toluene-d8	8260b	105	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 137088	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Bob Durham EO 2044		
Sample Name: MW 29		

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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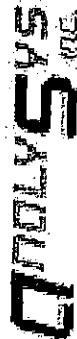
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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Toluene	J	See J-flag discussion above.

Notes:



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137089 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 30
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 13:50

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	79.9	86.1	85.8
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.9	112.7	113.8	111.5
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	J	4.3	90.7	99.3	99.5

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Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 30	Report#/Lab ID#: 137089 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.2	80-120	---
Toluene-d8	8260b	100	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 137089 Matrix: water
Client: Environmental Tech Group Attn: Ken Dutton
Project ID: Bob Durham EO 2044
Sample Name: MW 30

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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☐ Sample received in appropriate container(s). State of sample preservation unknown.
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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Toluene	J	See J-flag discussion above.

Notes:



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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137090 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 31
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 14:25

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	--		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	79.9	86.1	85.8
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.9	112.7	113.8	111.5
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	4.3	90.7	99.3	99.5

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	Project ID: Bob Durham EO 2044	Report#/Lab ID#: 137090
Attn: Ken Dutton	Sample Name: MW 31	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.3	80-120	--
Toluene-d8	8260b	105	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137091 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 33
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 15:09

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	—		—		12/11/02	8260b	—	—	—	—	—
Benzene	<1	µg/L	1	<1	12/11/02	8260b	—	3.3	79.9	86.1	85.8
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	J	3.9	112.7	113.8	111.5
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	—	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	—	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	—	4.3	90.7	99.3	99.5

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Respectfully Submitted,

Richard Laster

Richard Laster

QUALITY ASSURANCE DATA¹

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 33	Report#/Lab ID#: 137091 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.3	80-120	--
Toluene-d8	8260b	110	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 137091	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Bob Durham EO 2044		
Sample Name: MW 33		

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.

Notes:



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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report# / Lab ID#: 137092 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 34
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 13:45

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	79.9	86.1	85.8
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.9	112.7	113.8	111.5
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	4.3	90.7	99.3	99.5

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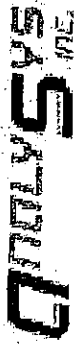
Respectfully Submitted,

Richard Laster

Richard Laster

QUALITY ASSURANCE DATA¹

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 34	Report#/Lab ID#: 137092 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	84.6	80-120	---
Toluene-d8	8260b	108	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137093 Report Date: 12/16/02

Project ID: Bob Durham EO 2044

Sample Name: MW 35

Sample Matrix: water

Date Received: 12/06/2002 Time: 14:10

Date Sampled: 12/02/2002 Time: 13:29

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	79.9	86.1	85.8
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.9	112.7	113.8	111.5
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	4.3	90.7	99.3	99.5

This analytical report is respectfully submitted by Analytix, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with Analytix, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, Analytix, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of Analytix, Inc.

Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group	Project ID: Bob Durham EO 2044	Report#/Lab ID#: 137093
Attn: Ken Dutton	Sample Name: MW 35	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.2	80-120	--
Toluene-d8	8260b	101	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137094 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 36
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 13:15

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.3	79.9	86.1	85.8
Ethylbenzene	<1	µg/L	1	<1	12/11/02	8260b	---	3.9	112.7	113.8	111.5
m,p-Xylenes	<1	µg/L	1	<1	12/11/02	8260b	---	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	4.3	90.7	99.3	99.5

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Respectfully Submitted,

Richard Laster

Richard Laster

QUALITY ASSURANCE DATA¹

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3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 36	Report#/Lab ID#: 137094 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89	80-120	--
Toluene-d8	8260b	97.5	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137095 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 37
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 14:56

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		12/12/02	8260b	---	---	---	---	---
Benzene	22.4	µg/L	1	<1	12/12/02	8260b	---	3.3	79.9	86.1	85.8
Ethylbenzene	<1	µg/L	1	<1	12/12/02	8260b	J	3.9	112.7	113.8	111.5
m,p-Xylenes	<1	µg/L	1	<1	12/12/02	8260b	---	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/12/02	8260b	---	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/12/02	8260b	---	4.3	90.7	99.3	99.5

QUALITY ASSURANCE DATA¹

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Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 37	Report#/Lab ID#: 137095 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.9	80-120	---
Toluene-d8	8260b	95.5	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 137095	Matrix: water	Attn: Ken Dutton
Client: Environmental Tech Group		
Project ID: Bob Durham EO 2044		
Sample Name: MW 37		

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GEAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.

Notes:



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs, NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 137096 Report Date: 12/16/02
Project ID: Bob Durham EO 2044
Sample Name: MW 38
Sample Matrix: water
Date Received: 12/06/2002 Time: 14:10
Date Sampled: 12/02/2002 Time: 14:40

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		12/11/02	8260b	---	---	---	---	---
Benzene	27.9	µg/L	1	<1	12/11/02	8260b	---	3.3	79.9	86.1	85.8
Ethylbenzene	654	µg/L	10	<10	12/12/02	8260b	---	3.9	112.7	113.8	111.5
m,p-Xylenes	166	µg/L	1	<1	12/11/02	8260b	---	6.7	111.8	111.1	107.9
o-Xylene	<1	µg/L	1	<1	12/11/02	8260b	---	2.8	113.6	115.3	112.1
Toluene	<1	µg/L	1	<1	12/11/02	8260b	---	4.3	90.7	99.3	99.5

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Respectfully Submitted,

Richard Laster

Richard Laster

QUALITY ASSURANCE DATA¹

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Ken Dutton	Project ID: Bob Durham EO 2044 Sample Name: MW 38	Report#/Lab ID#: 137096 Sample Matrix: water
--	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.7	80-120	--
Toluene-d8	8260b	100	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

CHAIN-OF-CUSTODY

Send Reports To:

Company Name E. T. G. I.

Address 2541 W. Merland

City Hobbs State NM Zip 88240

ATTN: KEN Dutton

Phone 505-397-4882 Fax 505-397-4701

Rush Status (must be confirmed with lab mgr.):

Project Name/PO#: Bob Durham Sampler: Mauro Camero

EO-2044

WWW.ANALYSYSINC.COM

Bill to (if different):

Company Name

Address

City

ATTN:

Phone

State

Zip

Fax

3512 Montopolis Drive, Austin, TX 78744

Phone: (512) 385-5886 Fax: (512) 385-7411

2209 N.P.I.D., Ste K, Corpus Christi, TX 78408

Phone: (361) 289-6384 Fax: (361) 289-0875

Analyses Requested (1)

Please attach explanatory information as required

BTX 82608

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water/Waste	Lab I.D. # (Lab only)
mw3	12/2/02	1627	2		X	137071
mw9		1411				137072
mw10		1557				137073
mw11		1538				137074
mw13		1409				137075
mw14		1524				137076
mw15		1547				137077
mw17		1227				137078
mw18		1249				137079
mw19		1024			✓	137080

Comments

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 3.5°C

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
Mauro Camero	E. T. G. I.	12/5/02	Melania Thompson	ASI	12/6/02
					14:10

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

CHAIN-OF-CUSTODY

Send Reports To:

Company Name ETG I

Address 2541 W. Maryland

City Habbs State NM Zip 88240

ATTN: Ken Dutton

Phone 505-377-4882 Fax 505-377-4701

Rush Status (must be confirmed with lab mgr.):

Project Name/PO#: Bob's Durham Sampler: Marlene Campos

EO-2044

WWW.ANALYSYSINC.COM

Bill to (if different):

Company Name

Address

City State Zip

ATTN:

Phone Fax

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water/Waste	Lab I.D. # (Lab only)	Comments
mw 20	12/2/02	1113	2		X	137081	
mw 21		1144				137082	
mw 22		1041				137083	
mw 24		1048				137084	
mw 25		0952				137085	
mw 26		1148				137086	
mw 27		1205				137087	
mw 29		1358				137088	
mw 30		1350				137089	
mw 31		1425			✓	137090	

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 3.5 °C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Marlene Campos	E.T.G.I.	12/5/02	1334	Melanie Thompson	ASI	12/6/02	14:10

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pg 2 of 3
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2209 N.P.I.D., Ste K, Corpus Christi, TX 78408
Phone: (361) 289-6384 Fax: (361) 289-0875

Analyses Requested (1)
Please attach explanatory information as required

BTEX 82608

כלכלה הכלכלה

Bill to (if different):

Company Name

Address

City _____ State _____ Zip _____

ATTN:

184-425

Deaf

100

gwerx

Temp: 3.5°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
William L. G. Jones	E.T.G.I. Team	12/5/02	1334	Mr. Daniel Humphrey	ASI	12/6/02	14:10

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240
Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 140247 **Report Date:** 03/17/03
Project ID: EO 2044
Sample Name: WEBD3403MW-3
Sample Matrix: water
Date Received: 03/07/2003 **Time:** 15:00
Date Sampled: 03/04/2003 **Time:** 08:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/13/03	8260b	---	---	---	---	---
Benzene	69.4	µg/L	1	<1	03/13/03	8260b	---	7.7	106.8	95.2	96.5
Ethylbenzene	28.3	µg/L	1	<1	03/13/03	8260b	---	0.2	93.7	92.5	96.9
m,p-Xylenes	14.9	µg/L	1	<1	03/13/03	8260b	---	0.8	86.8	84.6	91.3
o-Xylene	<1	µg/L	1	<1	03/13/03	8260b	---	3.9	97.1	92.3	101.9
Toluene	<1	µg/L	1	<1	03/13/03	8260b	---	4.8	96.8	92.6	92

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.



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2289 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044
Sample Name: WEBD3403MW-3

Report#/Lab ID#: 140247
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	80-120	---
Toluene-d8	8260b	108	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland

Hobbs

NM 88240

Phone: 505 397-4882

FAX: 505 397-4701

Report#/Lab ID#: 140248

Project ID: EO 2044

Sample Name: WEBD3403MW-9

Sample Matrix: water

Date Received: 03/07/2003

Time: 15:00

Date Sampled: 03/04/2003

Time: 01:00

Report Date: 03/17/03

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/12/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/12/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/12/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/12/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/12/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/12/03	8260b	---	11.7	101.9	98.5	101.1

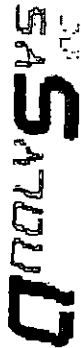
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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044
Sample Name: WEBD3403MW-9

Report#/Lab ID#: 140248
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.3	80-120	---
Toluene-d8	8260b	108	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland

Hobbs

NM 88240

Phone: 505 397-4882

FAX: 505 397-4701

Report#/Lab ID#: 140249 Report Date: 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-10

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 06:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/11/03	8260b		---	---	---	---
Benzene	<1	µg/L	1	<1	03/11/03	8260b	J	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044

Sample Name: WEBD3403MW-10

Report#/Lab ID#: 140249
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	106	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 140249	Matrix: water	Attn: Robert Eidson
Client: Environmental Tech Group		
Project ID: EO 2044		
Sample Name: WEBD3403MW-10		

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

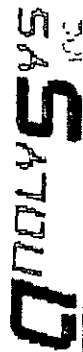
J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualifier	Comment
Benzene	J	See J-flag discussion above.

Notes:



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland

Hobbs

NM 88240

Phone: 505 397-4882

FAX: 505 397-4701

Report#/Lab ID#: 140250 Report Date: 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-11

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 05:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

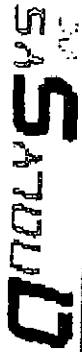
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Respectfully Submitted,

Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044

Sample Name: WEBD3403MW-11

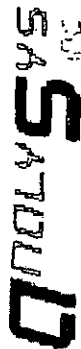
Report#/Lab ID#: 140250

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.4	80-120	---
Toluene-d8	8260b	97.3	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland

Hobbs NM 88240

Phone: 505 397-4882

FAX: 505 397-4701

Report#/Lab ID#: 140251 Report Date: 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-13

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 04:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	216	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	62	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	2.83	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

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Respectfully Submitted,

Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044
Sample Name: WEBD3403MW-13

Report#/Lab ID#: 140251
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	119	80-120	---
Toluene-d8	8260b	97.2	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland
Hobbs

NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140252 Report Date: 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-14

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 04:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

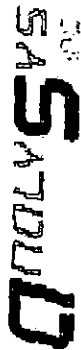
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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044

Sample Name: WEBD3403MW-14

Report#/Lab ID#: 140252

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	---
Toluene-d8	8260b	99.5	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140253 Report Date: 03/17/03
Project ID: EO 2044
Sample Name: WEBD3403MW-15
Sample Matrix: water
Date Received: 03/07/2003 Time: 15:00
Date Sampled: 03/04/2003 Time: 05:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	1.2	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

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Richard Laster

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Client: Environmental Tech Group	Project ID: EO 2044	Report#/Lab ID#: 140253
Attn: Robert Eidson	Sample Name: WEBD3403MW-15	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	80-120	--
Toluene-d8	8260b	107	88-110	--

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140254 Report Date: 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-19

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 09:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

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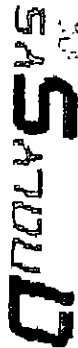
Respectfully Submitted,

Richard Laster

Richard Laster

QUALITY ASSURANCE DATA¹

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Project ID: EO 2044

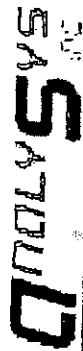
Sample Name: WEBD3403MW-19

Report#/Lab ID#: 140254
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	97	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Address: 2540 W. Marland
Hobbs

NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140255 Report Date: 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-20

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 10:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

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Project ID: EO 2044

Sample Name: WEBD3403MW-20

Report#/Lab ID#: 140255

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	105	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Address: 2540 W. Marland
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Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140256 Report Date: 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-21

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 09:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	1.8	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

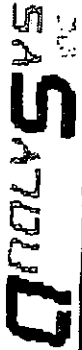
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Client: Environmental Tech Group
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Project ID: EO 2044

Sample Name: WEBD3403MW-21

Report#/Lab ID#: 140256
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	80-120	---
Toluene-d8	8260b	100	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140257 Report Date: 03/17/03
Project ID: EO 2044
Sample Name: WEBD3403MW-22
Sample Matrix: water
Date Received: 03/07/2003 Time: 15:00
Date Sampled: 03/04/2003 Time: 10:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/12/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/12/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/12/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/12/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/12/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/12/03	8260b	---	11.7	101.9	98.5	101.1

QUALITY ASSURANCE DATA¹

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Project ID: EO 2044

Sample Name: WEBD3403MW-22

Report#/Lab ID#: 140257

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.3	80-120	---
Toluene-d8	8260b	99.1	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140258 Report Date: 03/17/03
Project ID: EO 2044
Sample Name: WEBD3403MW-24
Sample Matrix: water
Date Received: 03/07/2003 Time: 15:00
Date Sampled: 03/04/2003 Time: 08:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

QUALITY ASSURANCE DATA¹

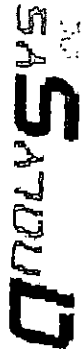
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Richard Laster

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Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044

Sample Name: WED3403MW-24

Report#/Lab ID#: 140258

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.6	80-120	---
Toluene-d8	8260b	104	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland

Hobbs

NM 88240

Phone: 505 397-4882

FAX: 505 397-4701

Report#/Lab ID#: 140259 Report Date: 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-25

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 07:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

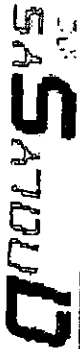
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Respectfully Submitted,

Richard Laster

Richard Laster

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3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Robert Eidson	Project ID: EO 2044 Sample Name: WEBD3403MW-25	Report#/Lab ID#: 140259 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	---
Toluene-d8	8260b	106	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland

Hobbs

NM 88240

Phone: 505 397-4882

FAX: 505 397-4701

Report#/Lab ID#: 140260

Project ID: EO 2044

Sample Name: WEBD3403MW-26

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 12:00

Report Date: 03/17/03

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

QUALITY ASSURANCE DATA¹

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044

Sample Name: WEBD3403MW-26

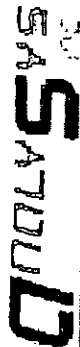
Report#/Lab ID#: 140260

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	---
Toluene-d8	8260b	99.2	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140261 Report Date: 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-27

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

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Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044

Sample Name: WEBD3403MW-27

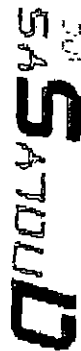
Report#/Lab ID#: 140261

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	116	80-120	---
Toluene-d8	8260b	110	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland

Hobbs

NM 88240

Phone: 505 397-4882

FAX: 505 397-4701

Report#/Lab ID#: 140262 Report Date: 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-29

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 12:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/11/03	8260b	J	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

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Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044

Sample Name: WEBD3403MW-29

Report#/Lab ID#: 140262

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	80-120	---
Toluene-d8	8260b	106	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 140262	Matrix: water	Attn: Robert Eidson
Client: Environmental Tech Group		
Project ID: EO 2044		
Sample Name: WEBD3403MW-29		

Sample Temperature/Condition $\leq 6^{\circ}\text{C}$

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes:



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Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland

Hobbs

NM 88240

Phone: 505 397-4882

FAX: 505 397-4701

Report#/Lab ID#: 140263 Report Date: 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-30

Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00

Date Sampled: 03/04/2003 Time: 01:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/11/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/11/03	8260b	---	8	104.7	100.8	102.5
Ethylbenzene	<1	µg/L	1	<1	03/11/03	8260b	---	15.5	112.6	93.9	103.5
m,p-Xylenes	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	104.3	85.6	96.6
o-Xylene	<1	µg/L	1	<1	03/11/03	8260b	---	15.2	116.8	96	108
Toluene	<1	µg/L	1	<1	03/11/03	8260b	---	11.7	101.9	98.5	101.1

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Richard Laster

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Client: Environmental Tech Group Attn: Robert Eidson	Project ID: EO 2044 Sample Name: WEBD3403MW-30	Report#/Lab ID#: 140263 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	118	80-120	---
Toluene-d8	8260b	108	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140264 Report Date: 03/17/03
Project ID: EO 2044
Sample Name: WEBD3403MW-31
Sample Matrix: water
Date Received: 03/07/2003 Time: 15:00
Date Sampled: 03/04/2003 Time: 02:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		03/12/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/12/03	8260b	---	7.7	106.8	95.2	96.5
Ethylbenzene	<1	µg/L	1	<1	03/12/03	8260b	---	0.2	93.7	92.5	96.9
m,p-Xylenes	<1	µg/L	1	<1	03/12/03	8260b	---	0.8	86.8	84.6	91.3
o-Xylene	<1	µg/L	1	<1	03/12/03	8260b	---	3.9	97.1	92.3	101.9
Toluene	<1	µg/L	1	<1	03/12/03	8260b	---	4.8	96.8	92.6	92

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Richard Laster

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QUALITY ASSURANCE DATA¹

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Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044

Sample Name: WEBD3403MW-31

Report#/Lab ID#: 140264
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	826Db	106	80-120	---
Toluene-d8	826Db	109	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240
Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140265 Report Date: 03/17/03
Project ID: EO 2044
Sample Name: WEBD3403MW-33
Sample Matrix: water
Date Received: 03/07/2003 Time: 15:00
Date Sampled: 03/04/2003 Time: 03:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/12/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/12/03	8260b	---	7.7	106.8	95.2	96.5
Ethylbenzene	<1	µg/L	1	<1	03/12/03	8260b	---	0.2	93.7	92.5	96.9
m,p-Xylenes	<1	µg/L	1	<1	03/12/03	8260b	---	0.8	86.8	84.6	91.3
o-Xylene	<1	µg/L	1	<1	03/12/03	8260b	---	3.9	97.1	92.3	101.9
Toluene	<1	µg/L	1	<1	03/12/03	8260b	---	4.8	96.8	92.6	92

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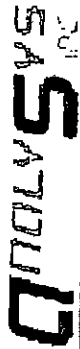
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Client: Environmental Tech Group	Project ID: EO 2044	Report#/Lab ID#: 140265
Attn: Robert Eidson	Sample Name: WEBD3403MW-33	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	120	80-120	---
Toluene-d8	8260b	109	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140266 Report Date: 03/17/03
Project ID: EO 2044
Sample Name: WEBD3403MW-37
Sample Matrix: water
Date Received: 03/07/2003 Time: 15:00
Date Sampled: 03/04/2003 Time: 03:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		03/12/03	8260b	---	---	---	---	---
Benzene	9	µg/L	1	<1	03/12/03	8260b	---	7.7	106.8	95.2	96.5
Ethylbenzene	<1	µg/L	1	<1	03/12/03	8260b	---	0.2	93.7	92.5	96.9
m,p-Xylenes	<1	µg/L	1	<1	03/12/03	8260b	---	0.8	86.8	84.6	91.3
o-Xylene	<1	µg/L	1	<1	03/12/03	8260b	---	3.9	97.1	92.3	101.9
Toluene	<1	µg/L	1	<1	03/12/03	8260b	---	4.8	96.8	92.6	92

QUALITY ASSURANCE DATA¹

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are: J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044

Sample Name: WEBD3403MW-37

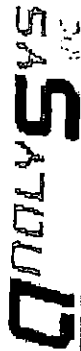
Report#/Lab ID#: 140266

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	110	80-120	---
Toluene-d8	8260b	101	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group

Attn: Robert Eidson

Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 140267 **Report Date:** 03/17/03

Project ID: EO 2044

Sample Name: WEBD3403MW-38

Sample Matrix: water

Date Received: 03/07/2003 **Time:** 15:00

Date Sampled: 03/04/2003 **Time:** 02:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/12/03	8260b	---	---	---	---	---
Benzene	12.9	µg/L	1	<1	03/12/03	8260b	---	7.7	106.8	95.2	96.5
Ethylbenzene	39.6	µg/L	1	<1	03/12/03	8260b	---	0.2	93.7	92.5	96.9
m,p-Xylenes	18.4	µg/L	1	<1	03/12/03	8260b	---	0.8	86.8	84.6	91.3
o-Xylene	<1	µg/L	1	<1	03/12/03	8260b	---	3.9	97.1	92.3	101.9
Toluene	<1	µg/L	1	<1	03/12/03	8260b	---	4.8	96.8	92.6	92

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Respectfully Submitted,

Richard Laster

Richard Laster

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3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group Attn: Robert Eidson	Project ID: EO 2044 Sample Name: WEBD3403MW-38	Report#/Lab ID#: 140267 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	104	88-110	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson
Address: 2540 W. Marland
Hobbs NM 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 140268
Project ID: EO 2044
Sample Name: WEBD3403DW-1
Sample Matrix: water

Date Received: 03/07/2003 Time: 15:00
Date Sampled: 03/04/2003 Time: 11:30

Report Date: 03/17/03

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		03/13/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/13/03	8260b	---	7.7	106.8	95.2	96.5
Ethylbenzene	<1	µg/L	1	<1	03/13/03	8260b	---	0.2	93.7	92.5	96.9
m,p-Xylenes	<1	µg/L	1	<1	03/13/03	8260b	---	0.8	86.8	84.6	91.3
o-Xylene	<1	µg/L	1	<1	03/13/03	8260b	---	3.9	97.1	92.3	101.9
Toluene	<1	µg/L	1	<1	03/13/03	8260b	---	4.8	96.8	92.6	92

QUALITY ASSURANCE DATA 1

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Respectfully Submitted,

Richard Laster

Richard Laster

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3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Tech Group
Attn: Robert Eidson

Project ID: EO 2044

Sample Name: WEBD3403DW-1

Report#/Lab ID#: 140268

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	---
Toluene-d8	8260b	54.3	88-110	X

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 140268	Matrix: water	Attn: Robert Eidson
Client: Environmental Tech Group		
Project ID: EO 2044		
Sample Name: WEBD3403DW-1		

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Toluene-d8	X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices
Toluene-d8	X	(sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.

Notes:

Send Reports To:

Company Name E.T.G. Inc.
 Address 2540 W. Mainland
 City Hobbs State NM Zip 88240
 ATTN: Robert Edison
 Phone 505-377-4882 Fax 505-377-4701

Bill to (if different):

Company Name Ett
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____
 Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.):

Project Name/PO#: E0 2044 Sampler: Johns

Analyses Requested (I)

Please attach explanatory information as required.

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)
WE BD 3403 MW-3	3-4-03	8:00	2		X		140247
WE BD 3403 MW-9	3-4-03	1:00	2		X		140248
WE BD 3403 MW-10	3-4-03	6:00	2		X		140249
WE BD 3403 MW-11	3-4-03	5:00	2		X		140250
WE BD 3403 MW-13	3-4-03	4:30	2		X		140251
WE BD 3403 MW-14	3-4-03	4:00	2		X		140252
WE BD 3403 MW-15	3-4-03	5:30	2		X		140253
WE BD 3403 MW-19	3-4-03	9:30	2		X		140254
WE BD 3403 MW-20	3-4-03	10:30	2		X		140255
WE BD 3403 MW-21	3-4-03	9:00	2		X		140256

Comments

Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting unit (MDL/LOL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pathway - SI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T = 5.1°C

Sample Relinquished By

Name Johns Affiliation ETGT Date 3-4-03

Sample Received By

Name William Humphrey Affiliation ASI Date 3/7/03 Time 15:00

Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.

Send Reports To:

Company Name E.T.G. I.
 Address 3541 W. Highland
 City Hobbs State NM Zip 88240
 ATTN: Robert Eidson
 Phone 505-377-4383 Fax 505-377-4701

Bill to (if different):

Company Name Eatt
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____
 Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.):

Project Name/PO#: EO 2044 Sampler: John Fild

Analyses Requested (f)

Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Comments
WE BD 3403 MW - 22	3-4-03	10:00	2		X		140257	
WE BD 3403 MW - 24	3-4-03	8:30	2		X		140258	
WE BD 3403 MW - 25	3-4-03	7:30	2		X		140259	
WE BD 3403 MW - 26	3-4-03	12:00	2		X		140260	
WE BD 3403 MW - 27	3-4-03	11:00	2		X		140261	
WE BD 3403 MW - 29	3-4-03	12:30	2		X		140262	
WE BD 3403 MW - 30	3-4-03	1:30	2		X		140263	
WE BD 3403 MW - 31	3-4-03	2:00	2		X		140264	
WE BD 3403 MW - 33	3-4-03	3:30	2		X		140265	
WE BD 3403 MW - 37	3-4-03	3:00	2		X		140266	

Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using AST's method of choice and all data will be reported to AST's normal reporting units (MPL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, AST will default to Priority Path on AST's HSL list at AST's option. Specific compound lists must be supplied for all GC procedures.

T-25.16

Sample Relinquished By			Sample Received By		
Name	Affiliation	Date	Name	Affiliation	Date
<u>John Fild</u>	<u>ETGI</u>	<u>3-4-03</u>	<u>Melanie Humphrey</u>	<u>AST</u>	<u>3/7/03</u>
					<u>15:00</u>

Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms

Send Reports To:

Company Name E.T.G.I.
 Address 3510 W. Montford
 City Hobbs State NM Zip 88240
 ATTN: Robert Eidson
 Phone 505-377-4882 Fax 505-377-4701

Bill to (if different):

Company Name ESL
 Address _____
 City _____ State _____ Zip _____
 ATTN: _____
 Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.): _____

Project Name/PO#: EO 3044 Sampler: Justa Tech

Analyses Requested (1)

Please attach explanatory information as required

Client Sample No. Description/Identification Date Sampled Time Sampled No. of Containers Soil Water Waste Lab I.D. # (Lab only) Comments

WE BD 3403 MW - 38

3-4-03

2:30

2

X

140267

X

WE BD 3403 DW - 1

3-4-03

11:30

2

+

140268

+

Sample Relinquished By

Name Justa Tech Affiliation ETGI Date 3-4-03 Time _____

Sample Received By

Name Melanie Humphrey Affiliation ASI Date 3/7/03 Time 15:00

Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's method of choice (MMS/POL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Follow-up ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms

7-25

Client: Nova
Attn: Todd Choban
Address: 2053 Commerce Midland TX 79703
Phone: 432-520-7720 **FAX:**

Report#/Lab ID#: 159547 **Report Date:** 09/17/04
Project ID: Bob Durahm
Sample Name: MW1
Sample Matrix: water
Date Received: 09/14/2004 **Time:** 08:45
Date Sampled: 09/09/2004 **Time:** 12:15

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/15/04	8260b(5030/5035)	---	---	---	---	---
Benzene	184	µg/L	1	<1	09/15/04	8260b	---	0.4	87.9	86.5	85.3
Ethylbenzene	64	µg/L	1	<1	09/15/04	8260b	---	1.6	97.9	98.8	101
m,p-Xylenes	129	µg/L	2	<2	09/15/04	8260b	---	1.2	98	97.6	101.3
o-Xylene	3.13	µg/L	1	<1	09/15/04	8260b	---	0.6	104	101.8	106.6
Toluene	<1	µg/L	1	<1	09/15/04	8260b	J	1.8	104.1	95.8	103

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Respectfully Submitted,



Dale Wagner

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Client: Nova Attn: Todd Choban	Project ID: Bob Durahm Sample Name: MW1	Report#/Lab ID#: 159547 Sample Matrix: water
---	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.7	74-124	---
Toluene-d8	8260b	96.3	89-115	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report #/Lab ID#: 159547 Matrix: water

Client: Nova

Project ID: Bob Durahm

Sample Name: MW1

Attn: Todd Choban

Sample Temperature/Condition: <=6°C
The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <=6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

- Sample Bottles & Preservation:**
- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
 - ☐ Sample received in appropriate container(s). State of sample preservation unknown.
 - ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

Flag Discussion:
J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the essence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualifier	Comment
toluene	J	See J-flag discussion above.

Notes:

Client: Nova
Attn: Todd Choban
Address: 2053 Commerce
Midland TX 79703

Phone: 432-520-7720 **FAX:**

Report#/Lab ID#: 159548 **Report Date:** 09/17/04
Project ID: Bob Durahm
Sample Name: MW3
Sample Matrix: water
Date Received: 09/14/2004 **Time:** 08:45
Date Sampled: 09/09/2004 **Time:** 12:50

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		09/15/04	8260b(5030/5035)	---	---	---	---	---
Benzene	28.9	µg/L	1	<1	09/15/04	8260b	---	0.4	87.9	86.5	85.3
Ethylbenzene	3.98	µg/L	1	<1	09/15/04	8260b	---	1.6	97.9	98.8	101
m,p-Xylenes	<2	µg/L	2	<2	09/15/04	8260b	J	1.2	98	97.6	101.3
o-Xylene	<1	µg/L	1	<1	09/15/04	8260b	---	0.6	104	101.8	106.6
Toluene	<1	µg/L	1	<1	09/15/04	8260b	---	1.8	104.1	95.8	103

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Dale Wagner

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Client: Nova Attn: Todd Choban	Project ID: Bob Durahm Sample Name: MW3	Report#/Lab ID#: 159548 Sample Matrix: water
---	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.6	74-124	---
Toluene-d8	8260b	99.6	89-115	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report #/Lab ID#: 159548 Matrix: water

Client: Nova Attn: Todd Choban

Project ID: Bob Durahm

Sample Name: MW3

Sample Temperature/Condition: <=6°C
The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

- Sample Bottles & Preservation:**
- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
 - ☐ Sample received in appropriate container(s). State of sample preservation unknown.
 - ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

Flag Discussion:
J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the essence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualifier	Comment
p-Xylenes	J	See J-flag discussion above.

Notes:

Client: Nova
Attn: Todd Chohan
Address: 2053 Commerce
Midland TX 79703
Phone: 432-520-7720 **FAX:**

Report#/Lab ID#: 159549 **Report Date:** 09/17/04
Project ID: Bob Durahm
Sample Name: MW6
Sample Matrix: water
Date Received: 09/14/2004 **Time:** 08:45
Date Sampled: 09/09/2004 **Time:** 13:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/16/04	8260b(5030/5035)	---	---	---	---	---
Benzene	15.2	µg/L	1	<1	09/16/04	8260b	---	0.4	87.9	86.5	85.3
Ethylbenzene	21	µg/L	1	<1	09/16/04	8260b	---	1.6	97.9	98.8	101
m,p-Xylenes	9.47	µg/L	2	<2	09/16/04	8260b	---	1.2	98	97.6	101.3
o-Xylene	<1	µg/L	1	<1	09/16/04	8260b	J	0.6	104	101.8	106.6
Toluene	<1	µg/L	1	<1	09/16/04	8260b	---	1.8	104.1	95.8	103

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,



Dale Wagner

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3514 MONTGOMERY DRIVE, AUSTIN, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Nova Attn: Todd Choban	Project ID: Bob Durahm Sample Name: MW6	Report#/Lab ID#: 159549 Sample Matrix: water
-----------------------------------	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	74-124	---
Toluene-d8	8260b	97.2	89-115	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report #/Lab ID#: 159549 Matrix: water Attn: Todd Choban

Client: Nova

Project ID: Bob Durahm

Sample Name: MW6

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

Flag Discussion:

J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the essence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualifier	Comment
Xylene	J	See J-flag discussion above.

Notes:

Client: Nova
Attn: Todd Choban
Address: 2053 Commerce
Midland TX 79703

Phone: 432-520-7720 **FAX:**

REPORT OF ANALYSIS

Report#/Lab ID#: 159550 **Report Date:** 09/17/04
Project ID: Bob Durahm
Sample Name: MW8
Sample Matrix: water
Date Received: 09/14/2004 **Time:** 08:45
Date Sampled: 09/09/2004 **Time:** 14:00

QUALITY ASSURANCE DATA											
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/16/04	8260b(5030/5035)					
Benzene	13.9	µg/L	1	<1	09/16/04	8260b	---	0.4	87.9	86.5	85.3
Ethylbenzene	2.47	µg/L	1	<1	09/16/04	8260b	---	1.6	97.9	98.8	101
m,p-Xylenes	2.11	µg/L	2	<2	09/16/04	8260b	---	1.2	98	97.6	101.3
o-Xylene	2.81	µg/L	1	<1	09/16/04	8260b	---	0.6	104	101.8	106.6
Toluene	<1	µg/L	1	<1	09/16/04	8260b	---	1.8	104.1	95.8	103

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Respectfully Submitted,



Dale Wagner

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Client: Nova Attn: Todd Choban	Project ID: Bob Durahm Sample Name: MW8	Report#/Lab ID#: 159550 Sample Matrix: water
---	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	74-124	---
Toluene-d8	8260b	98.9	89-115	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Client: Nova
Attn: Todd Choban
Address: 2053 Commerce
Midland TX 79703
Phone: 432-520-7720 **FAX:**

Report#/Lab ID#: 159551 **Report Date:** 09/17/04
Project ID: Bob Durahm
Sample Name: MW27
Sample Matrix: water
Date Received: 09/14/2004 **Time:** 08:45
Date Sampled: 09/09/2004 **Time:** 16:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
volatile organics-8260b/BTEX	---		---		09/15/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/15/04	8260b	---	0.4	87.9	86.5	85.3
Ethylbenzene	<1	µg/L	1	<1	09/15/04	8260b	---	1.6	97.9	98.8	101
m,p-Xylenes	<2	µg/L	2	<2	09/15/04	8260b	---	1.2	98	97.6	101.3
o-Xylene	<1	µg/L	1	<1	09/15/04	8260b	---	0.6	104	101.8	106.6
Toluene	<1	µg/L	1	<1	09/15/04	8260b	---	1.8	104.1	95.8	103

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Respectfully Submitted,



Dale Wagner

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Client: Nova
Attn: Todd Choban

Project ID: Bob Durahm
Sample Name: MW27

Report#/Lab ID#: 159551
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	74-124	---
Toluene-d8	8260b	101	89-115	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Client: Nova
Attn: Todd Choban
Address: 2053 Commerce
Midland TX 79703

Phone: 432-520-7720 **FAX:**

Report#/Lab ID#: 159552 **Report Date:** 09/17/04
Project ID: Bob Durahm
Sample Name: MW38
Sample Matrix: water
Date Received: 09/14/2004 **Time:** 08:45
Date Sampled: 09/10/2004 **Time:** 09:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		09/15/04	8260b(5030/5035)	---	---	---	---	---
Benzene	14.3	µg/L	1	<1	09/15/04	8260b	---	0.4	87.9	86.5	85.3
Ethylbenzene	57.2	µg/L	1	<1	09/15/04	8260b	---	1.6	97.9	98.8	101
m,p-Xylenes	14.2	µg/L	2	<2	09/15/04	8260b	---	1.2	98	97.6	101.3
o-Xylene	<1	µg/L	1	<1	09/15/04	8260b	---	0.6	104	101.8	106.6
Toluene	<1	µg/L	1	<1	09/15/04	8260b	---	1.8	104.1	95.8	103

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Respectfully Submitted,



Dale Wagner

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Client: Nova Attn: Todd Choban	Project ID: Bob Durahm Sample Name: MW38	Report#/Lab ID#: 159552 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.9	74-124	---
Toluene-d8	8260b	101	89-115	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Send Reports To:

Company Name Novel Pla. 015
Address _____
City Midland State TX Zip 79701
ATTN: Todd Chapman
Phone 432 557-6806 Fax _____

Project Name/PO#: 500 Duvalton Sampler John H. Wells

Samples/projects intended for TCEQ-TRRP completion require special handling, QC requirements and pricing. To Be successfully completed such projects should be identified and discussed prior to receipt and **MUST BE IDENTIFIED** on this Chain-of-Custody under "special instructions".

[illegible]

Special Instructions (such as special QC requirements, lists, methods, etc...)

(1) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temperature
upon receipt
(Consistent with
NELAC sec.
5.11) (>0-6°C)

T. 4. 1. 2

Sample Relinquished By				Sample Received By				YES	NO
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time		
Le Ahluwalia	NOVA	9/11/04	6:20 pm	Le Ahluwalia	NOVA	9-13-04	8:00		
				D. Johnson	ASU	9/14/04	8:45		

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

Analytical and Quality Control Report

Todd Choban
Nova Safety & Environmental
5023 Commerce
Midland, TX 79703

Report Date: January 4, 2005

Work Order: 4123004

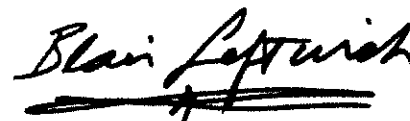
Project Location: Monument
Project Name: Bob Durham
Project Number: Bob Durham

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
51714	MW-2	water	2004-12-23	10:25	2004-12-30
51715	MW-3	water	2004-12-23	18:50	2004-12-30
51716	MW-5	water	2004-12-23	11:01	2004-12-30
51717	MW-6	water	2004-12-23	10:06	2004-12-30
51718	MW-7	water	2004-12-23	11:38	2004-12-30
51719	MW-8	water	2004-12-23	08:59	2004-12-30
51720	MW-9	water	2004-12-23	12:51	2004-12-30
51721	MW-10	water	2004-12-23	15:49	2004-12-30
51722	MW-11	water	2004-12-23	16:36	2004-12-30
51723	MW-13	water	2004-12-23	15:24	2004-12-30
51724	MW-14	water	2004-12-23	15:09	2004-12-30
51725	MW-15	water	2004-12-23	16:12	2004-12-30
51726	MW-17	water	2004-12-23	17:42	2004-12-30
51727	MW-18	water	2004-12-23	17:18	2004-12-30
51728	MW-19	water	2004-12-23	07:14	2004-12-30
51729	MW-20	water	2004-12-23	09:22	2004-12-30
51730	MW-21	water	2004-12-23	07:36	2004-12-30
51731	MW-22	water	2004-12-23	07:53	2004-12-30
51732	MW-23	water	2004-12-23	09:45	2004-12-30
51733	MW-24	water	2004-12-23	08:15	2004-12-30
51734	MW-25	water	2004-12-23	08:37	2004-12-30
51735	MW-28	water	2004-12-23	12:26	2004-12-30
51736	MW-30	water	2004-12-23	12:03	2004-12-30
51737	MW-31	water	2004-12-23	13:14	2004-12-30
51738	MW-32	water	2004-12-23	14:20	2004-12-30
51739	MW-33	water	2004-12-23	14:44	2004-12-30
51740	MW-34	water	2004-12-23	16:52	2004-12-30
51741	MW-35	water	2004-12-23	17:59	2004-12-30
51742	MW-36	water	2004-12-23	16:15	2004-12-30
51743	MW-37	water	2004-12-23	13:58	2004-12-30
51744	MW-38	water	2004-12-23	13:36	2004-12-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 21 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a prominent flourish at the end of the last name.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 51714 - MW-2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	15063	Date Analyzed:	2004-12-31	Analyzed By:	MT
Prep Batch:	13289	Date Prepared:	2004-12-31	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	1	0.0656	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		<0.0200	mg/L	20	0.00100
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.77	mg/L	20	0.100	88	74.7 - 112
4-Bromofluorobenzene (4-BFB)		1.51	mg/L	20	0.100	76	69.4 - 111

Sample: 51715 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	15063	Date Analyzed:	2004-12-31	Analyzed By:	MT
Prep Batch:	13289	Date Prepared:	2004-12-31	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00470	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0871	mg/L	1	0.100	87	74.7 - 112
4-Bromofluorobenzene (4-BFB)		0.0739	mg/L	1	0.100	74	69.4 - 111

Sample: 51716 - MW-5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	15067	Date Analyzed:	2004-12-31	Analyzed By:	MT
Prep Batch:	13291	Date Prepared:	2004-12-31	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0437	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0518	mg/L	1	0.00100
Xylene		0.156	mg/L	1	0.00100

¹ Sample was reanalyzed due to the benzene amount being over the curve.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0816	mg/L	1	0.100	82	74.7 - 112
4-Bromofluorobenzene (4-BFB)		0.0941	mg/L	1	0.100	94	69.4 - 111

Sample: 51717 - MW-6

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15103 Date Analyzed: 2005-01-03 Analyzed By: MT
Prep Batch: 13319 Date Prepared: 2005-01-03 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	²	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.00690	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.460	mg/L	5	0.100	92	74.7 - 112
4-Bromofluorobenzene (4-BFB)	³	0.346	mg/L	5	0.100	69	69.4 - 111

Sample: 51718 - MW-7

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15067 Date Analyzed: 2004-12-31 Analyzed By: MT
Prep Batch: 13291 Date Prepared: 2004-12-31 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00990	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0156	mg/L	1	0.00100
Xylene		0.0252	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0772	mg/L	1	0.100	77	74.7 - 112
4-Bromofluorobenzene (4-BFB)		0.0865	mg/L	1	0.100	86	69.4 - 111

Sample: 51719 - MW-8

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15067 Date Analyzed: 2004-12-31 Analyzed By: MT
Prep Batch: 13291 Date Prepared: 2004-12-31 Prepared By: MT

² Sample was reanalyzed due to an initial dilution with no benzene hit.

³ Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00100	mg/L	1	0.00100
Xylene		0.00750	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0875	mg/L	1	0.100	88	74.7 - 112
4-Bromofluorobenzene (4-BFB)		0.0720	mg/L	1	0.100	72	69.4 - 111

Sample: 51720 - MW-9

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 15067 Date Analyzed: 2004-12-31 Analyzed By: MT
 Prep Batch: 13291 Date Prepared: 2004-12-31 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00110	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0871	mg/L	1	0.100	87	74.7 - 112
4-Bromofluorobenzene (4-BFB)		0.0733	mg/L	1	0.100	73	69.4 - 111

Sample: 51721 - MW-10

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 15067 Date Analyzed: 2004-12-31 Analyzed By: MT
 Prep Batch: 13291 Date Prepared: 2004-12-31 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0989	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.126	mg/L	1	0.00100
Xylene		0.0937	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.107	mg/L	1	0.100	107	74.7 - 112
4-Bromofluorobenzene (4-BFB)		0.111	mg/L	1	0.100	111	69.4 - 111

Sample: 51722 - MW-11

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B

QC Batch: 15067 Date Analyzed: 2004-12-31 Analyzed By: MT
Prep Batch: 13291 Date Prepared: 2004-12-31 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0937	mg/L	1	0.100	94	74.7 - 112
4-Bromofluorobenzene (4-BFB)		0.0748	mg/L	1	0.100	75	69.4 - 111

Sample: 51723 - MW-13

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15067 Date Analyzed: 2004-12-31 Analyzed By: MT
Prep Batch: 13291 Date Prepared: 2004-12-31 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0325	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.464	mg/L	5	0.100	93	74.7 - 112
4-Bromofluorobenzene (4-BFB)		0.374	mg/L	5	0.100	75	69.4 - 111

Sample: 51724 - MW-14

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15103 Date Analyzed: 2005-01-03 Analyzed By: MT
Prep Batch: 13319 Date Prepared: 2005-01-03 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	⁴	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.465	mg/L	5	0.100	93	74.7 - 112
4-Bromofluorobenzene (4-BFB)	⁵	0.334	mg/L	5	0.100	67	69.4 - 111

⁴Sample was reanalyzed due to low surrogate recovery.

⁵Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Sample: 51725 - MW-15

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 15067	Date Analyzed: 2004-12-31	Analyzed By: MT
Prep Batch: 13291	Date Prepared: 2004-12-31	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0765	mg/L	1	0.100	76	74.7 - 112
4-Bromofluorobenzene (4-BFB)	⁶	0.0587	mg/L	1	0.100	59	69.4 - 111

Sample: 51726 - MW-17

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 15103	Date Analyzed: 2005-01-03	Analyzed By: MT
Prep Batch: 13319	Date Prepared: 2005-01-03	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0848	mg/L	1	0.100	85	74.7 - 112
4-Bromofluorobenzene (4-BFB)	⁷	0.0649	mg/L	1	0.100	65	69.4 - 111

Sample: 51727 - MW-18

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 15067	Date Analyzed: 2004-12-31	Analyzed By: MT
Prep Batch: 13291	Date Prepared: 2004-12-31	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

⁶Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

⁷Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0903	mg/L	1	0.100	90	74.7 - 112
4-Bromofluorobenzene (4-BFB)		0.0719	mg/L	1	0.100	72	69.4 - 111

Sample: 51728 - MW-19

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15067 Date Analyzed: 2004-12-31 Analyzed By: MT
Prep Batch: 13291 Date Prepared: 2004-12-31 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0802	mg/L	1	0.100	80	74.7 - 112
4-Bromofluorobenzene (4-BFB)	⁸	0.0631	mg/L	1	0.100	63	69.4 - 111

Sample: 51729 - MW-20

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15067 Date Analyzed: 2004-12-31 Analyzed By: MT
Prep Batch: 13291 Date Prepared: 2004-12-31 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0804	mg/L	1	0.100	80	74.7 - 112
4-Bromofluorobenzene (4-BFB)	⁹	0.0672	mg/L	1	0.100	67	69.4 - 111

Sample: 51730 - MW-21

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15103 Date Analyzed: 2005-01-03 Analyzed By: MT
Prep Batch: 13319 Date Prepared: 2005-01-03 Prepared By: MT

⁸Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

⁹Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	¹⁰	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.413	mg/L	5	0.100	83	74.7 - 112
4-Bromofluorobenzene (4-BFB)	¹¹	0.302	mg/L	5	0.100	60	69.4 - 111

Sample: 51731 - MW-22

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15067 Date Analyzed: 2004-12-31 Analyzed By: MT
Prep Batch: 13291 Date Prepared: 2004-12-31 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0796	mg/L	1	0.100	80	74.7 - 112
4-Bromofluorobenzene (4-BFB)	¹²	0.0606	mg/L	1	0.100	61	69.4 - 111

Sample: 51732 - MW-23

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15067 Date Analyzed: 2004-12-31 Analyzed By: MT
Prep Batch: 13291 Date Prepared: 2004-12-31 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0771	mg/L	1	0.100	77	74.7 - 112
4-Bromofluorobenzene (4-BFB)	¹³	0.0597	mg/L	1	0.100	60	69.4 - 111

¹⁰Sample was reanalyzed due to an initial dilution with no benzene hit.

¹¹Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

¹²Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

¹³Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Sample: 51733 - MW-24

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 15067	Date Analyzed: 2004-12-31	Analyzed By: MT
Prep Batch: 13291	Date Prepared: 2004-12-31	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0873	mg/L	1	0.100	87	74.7 - 112
4-Bromofluorobenzene (4-BFB)	¹⁴	0.0681	mg/L	1	0.100	68	69.4 - 111

Sample: 51734 - MW-25

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 15067	Date Analyzed: 2004-12-31	Analyzed By: MT
Prep Batch: 13291	Date Prepared: 2004-12-31	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0831	mg/L	1	0.100	83	74.7 - 112
4-Bromofluorobenzene (4-BFB)	¹⁵	0.0640	mg/L	1	0.100	64	69.4 - 111

Sample: 51735 - MW-28

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 15067	Date Analyzed: 2004-12-31	Analyzed By: MT
Prep Batch: 13291	Date Prepared: 2004-12-31	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

¹⁴Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

¹⁵Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0771	mg/L	1	0.100	77	74.7 - 112
4-Bromofluorobenzene (4-BFB)	¹⁶	0.0604	mg/L	1	0.100	60	69.4 - 111

Sample: 51736 - MW-30

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15071 Date Analyzed: 2005-12-31 Analyzed By: MS
Prep Batch: 13294 Date Prepared: 2005-12-31 Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0885	mg/L	1	0.100	88	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0795	mg/L	1	0.100	80	52.4 - 119

Sample: 51737 - MW-31

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15071 Date Analyzed: 2005-12-31 Analyzed By: MS
Prep Batch: 13294 Date Prepared: 2005-12-31 Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00260	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0892	mg/L	1	0.100	89	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0814	mg/L	1	0.100	81	52.4 - 119

Sample: 51738 - MW-32

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15071 Date Analyzed: 2005-12-31 Analyzed By: MS
Prep Batch: 13294 Date Prepared: 2005-12-31 Prepared By: MS

continued...

¹⁶Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

sample 51738 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		<0.0200	mg/L	20	0.00100
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.80	mg/L	20	0.100	90	73.8 - 121
4-Bromofluorobenzene (4-BFB)		1.61	mg/L	20	0.100	80	52.4 - 119

Sample: 51739 - MW-33

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 15071	Date Analyzed: 2005-12-31	Analyzed By: MS
Prep Batch: 13294	Date Prepared: 2005-12-31	Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0892	mg/L	1	0.100	89	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0788	mg/L	1	0.100	79	52.4 - 119

Sample: 51740 - MW-34

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 15071	Date Analyzed: 2005-12-31	Analyzed By: MS
Prep Batch: 13294	Date Prepared: 2005-12-31	Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0901	mg/L	1	0.100	90	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0760	mg/L	1	0.100	76	52.4 - 119

Sample: 51741 - MW-35

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15071 Date Analyzed: 2005-12-31 Analyzed By: MS
Prep Batch: 13294 Date Prepared: 2005-12-31 Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0898	mg/L	1	0.100	90	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0737	mg/L	1	0.100	74	52.4 - 119

Sample: 51742 - MW-36

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15071 Date Analyzed: 2005-12-31 Analyzed By: MS
Prep Batch: 13294 Date Prepared: 2005-12-31 Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0892	mg/L	1	0.100	89	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0738	mg/L	1	0.100	74	52.4 - 119

Sample: 51743 - MW-37

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 15071 Date Analyzed: 2005-12-31 Analyzed By: MS
Prep Batch: 13294 Date Prepared: 2005-12-31 Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		<0.0200	mg/L	20	0.00100
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.79	mg/L	20	0.100	90	73.8 - 121
4-Bromofluorobenzene (4-BFB)		1.54	mg/L	20	0.100	77	52.4 - 119

Sample: 51744 - MW-38

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 15071	Date Analyzed: 2005-12-31	Analyzed By: MS
Prep Batch: 13294	Date Prepared: 2005-12-31	Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0165	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0459	mg/L	1	0.00100
Xylene		0.0107	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0955	mg/L	1	0.100	96	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	52.4 - 119

Method Blank (1) QC Batch: 15063

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		0.00110	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0865	mg/L	1	0.100	86	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0798	mg/L	1	0.100	80	49.1 - 106

Method Blank (1) QC Batch: 15067

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0908	mg/L	1	0.100	91	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0719	mg/L	1	0.100	72	49.1 - 106

Method Blank (1) QC Batch: 15071

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001

continued ...

method blank continued...

Parameter	Flag	Result	Units	RL
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0869	mg/L	1	0.100	87	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0835	mg/L	1	0.100	84	52.4 - 113

Method Blank (1) QC Batch: 15103

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0895	mg/L	1	0.100	90	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0669	mg/L	1	0.100	67	49.1 - 106

Laboratory Control Spike (LCS-1) QC Batch: 15063

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0912	0.0920	mg/L	1	0.100	<0.000255	91	1	83.2 - 110	8.5
Toluene	0.0896	0.0895	mg/L	1	0.100	0.0011	88	0	84.5 - 110	6
Ethylbenzene	0.0919	0.0923	mg/L	1	0.100	<0.000226	92	0	82.8 - 111	6
Xylene	0.261	0.262	mg/L	1	0.300	<0.000531	87	0	82.3 - 113	6.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0895	0.0895	mg/L	1	0.100	90	90	74.7 - 112
4-Bromofluorobenzene (4-BFB)	0.0906	0.0909	mg/L	1	0.100	91	91	69.4 - 111

Laboratory Control Spike (LCS-1) QC Batch: 15067

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0976	0.0995	mg/L	1	0.100	<0.000255	98	2	83.2 - 110	8.5
Toluene	0.0935	0.0956	mg/L	1	0.100	<0.000153	94	2	84.5 - 110	6
Ethylbenzene	0.0921	0.0948	mg/L	1	0.100	<0.000226	92	3	82.8 - 111	6
Xylene	0.264	0.271	mg/L	1	0.300	<0.000531	88	3	82.3 - 113	6.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0866	0.0930	mg/L	1	0.100	87	93	74.7 - 112
4-Bromofluorobenzene (4-BFB)	0.0861	0.0892	mg/L	1	0.100	86	89	69.4 - 111

Laboratory Control Spike (LCS-1) QC Batch: 15071

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0869	0.0881	mg/L	1	0.100	<0.000136	87	1	72.8 - 113	20
Toluene	0.0862	0.0878	mg/L	1	0.100	<0.000247	86	2	75.2 - 112	20
Ethylbenzene	0.0906	0.0923	mg/L	1	0.100	<0.000550	91	2	81 - 112	20
Xylene	0.294	0.299	mg/L	1	0.300	<0.00156	98	2	82.9 - 119	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0873	0.0884	mg/L	1	0.100	87	88	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.108	0.108	mg/L	1	0.100	108	108	77.8 - 119

Laboratory Control Spike (LCS-1) QC Batch: 15103

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0997	0.0996	mg/L	1	0.100	<0.000255	100	0	83.2 - 110	8.5
Toluene	0.0961	0.0959	mg/L	1	0.100	<0.000153	96	0	84.5 - 110	6
Ethylbenzene	0.0963	0.0959	mg/L	1	0.100	<0.000226	96	0	82.8 - 111	6
Xylene	0.276	0.275	mg/L	1	0.300	<0.000531	92	1	82.3 - 113	6.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0921	0.0940	mg/L	1	0.100	92	94	74.7 - 112
4-Bromofluorobenzene (4-BFB)	0.0875	0.0893	mg/L	1	0.100	88	89	69.4 - 111

Standard (CCV-1) QC Batch: 15063

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0905	90	85 - 115	2004-12-31
Toluene		mg/L	0.100	0.0890	89	85 - 115	2004-12-31
Ethylbenzene		mg/L	0.100	0.0906	91	85 - 115	2004-12-31
Xylene		mg/L	0.300	0.257	86	85 - 115	2004-12-31

Standard (CCV-2) QC Batch: 15063

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0908	91	85 - 115	2004-12-31
Toluene		mg/L	0.100	0.0868	87	85 - 115	2004-12-31
Ethylbenzene		mg/L	0.100	0.0906	91	85 - 115	2004-12-31
Xylene		mg/L	0.300	0.255	85	85 - 115	2004-12-31

Standard (ICV-1) QC Batch: 15067

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0998	100	85 - 115	2004-12-31
Toluene		mg/L	0.100	0.0952	95	85 - 115	2004-12-31
Ethylbenzene		mg/L	0.100	0.0941	94	85 - 115	2004-12-31
Xylene		mg/L	0.300	0.269	90	85 - 115	2004-12-31

Standard (CCV-1) QC Batch: 15067

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.100	100	85 - 115	2004-12-31
Toluene		mg/L	0.100	0.0950	95	85 - 115	2004-12-31
Ethylbenzene		mg/L	0.100	0.0950	95	85 - 115	2004-12-31
Xylene		mg/L	0.300	0.271	90	85 - 115	2004-12-31

Standard (CCV-2) QC Batch: 15067

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0975	98	85 - 115	2004-12-31
Toluene		mg/L	0.100	0.0932	93	85 - 115	2004-12-31
Ethylbenzene		mg/L	0.100	0.0920	92	85 - 115	2004-12-31
Xylene		mg/L	0.300	0.263	88	85 - 115	2004-12-31

Standard (ICV-1) QC Batch: 15071

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0860	86	85 - 115	2005-12-31
Toluene		mg/L	0.100	0.0849	85	85 - 115	2005-12-31
Ethylbenzene		mg/L	0.100	0.0909	91	85 - 115	2005-12-31
Xylene		mg/L	0.300	0.297	99	85 - 115	2005-12-31

Standard (CCV-1) QC Batch: 15071

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0884	88	85 - 115	2005-12-31
Toluene		mg/L	0.100	0.0885	88	85 - 115	2005-12-31
Ethylbenzene		mg/L	0.100	0.0913	91	85 - 115	2005-12-31
Xylene		mg/L	0.300	0.296	99	85 - 115	2005-12-31

Standard (CCV-2) QC Batch: 15071

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0853	85	85 - 115	2005-12-31
Toluene		mg/L	0.100	0.0848	85	85 - 115	2005-12-31
Ethylbenzene		mg/L	0.100	0.0888	89	85 - 115	2005-12-31
Xylene		mg/L	0.300	0.288	96	85 - 115	2005-12-31

Standard (ICV-1) QC Batch: 15103

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0999	100	85 - 115	2005-01-03
Toluene		mg/L	0.100	0.0992	99	85 - 115	2005-01-03
Ethylbenzene		mg/L	0.100	0.0967	97	85 - 115	2005-01-03
Xylene		mg/L	0.300	0.278	92	85 - 115	2005-01-03

Standard (CCV-1) QC Batch: 15103

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0968	97	85 - 115	2005-01-03
Toluene		mg/L	0.100	0.0928	93	85 - 115	2005-01-03
Ethylbenzene		mg/L	0.100	0.0924	92	85 - 115	2005-01-03
Xylene		mg/L	0.300	0.264	88	85 - 115	2005-01-03

Page 1 of 3

TraceAnalysis, Inc.										CHAIN-OF-CUSTODY AND ANALYSIS REQUEST														
6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296 email: lab@traceanalysis.com										155 McCutcheon Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 585-3443														
Company Name: NOVA Address: (Street, City, Zip) 2057 Commerce Contact Person: Carol Chabon Invoice to: (if different from above) Plains Project #: Monument										LAB Order ID # 4123004 ANALYSIS REQUEST (Circle or Specify Method No.)														
Project Name: Bob Durham Project Location: Monument Project #: NOVA Address: (Street, City, Zip) 2057 Commerce Contact Person: Carol Chabon Invoice to: (if different from above) Plains Project #: Monument										ANALYSIS REQUEST (Circle or Specify Method No.)														
LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	VOLUME/AMOUNT	MATRIX	PRESERVATIVE METHOD	SAMPLING DATE	TIME	MTBE 8021B/602	BTX 8018/602	TPH 418 1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B/624	GC/MS Semi Vol 8270C/625	PCBs 8082/608	Pesticides 8081A/608	BOD TSS pH	Moisture Content	Turn Around Time if different from standard
5174	MW-2	2	V	WATER	HCl	12/23	10:55																	
715	MW-3	1	V	WATER	HCl	12/23	6:50																	
716	MW-5	1	V	WATER	HCl	12/23	10:11																	
717	MW-6	1	V	WATER	HCl	12/23	10:04																	
718	MW-7	1	V	WATER	HCl	12/23	11:38																	
719	MW-8	1	V	WATER	HCl	12/23	8:54																	
720	MW-9	1	V	WATER	HCl	12/23	12:25																	
721	MW-10	1	V	WATER	HCl	12/23	3:49																	
722	MW-11	1	V	WATER	HCl	12/23	4:36																	
723	MW-13	1	V	WATER	HCl	12/23	3:24																	
724	MW-14	1	V	WATER	HCl	12/23	3:09																	
Relinquished by: Stella Date: 12/29/04 Time: 13:05							Received by: Stella Date: 12/29/04 Time: 13:05							REMARKS: MW13-1 not Broken in shipment										
Relinquished by: Stella Date: 12/29 Time: 12/29							Received by: Stella Date: 12/29/04 Time: 13:05							☐ Dry Weight Basis Required ☐ TRRP Report Required ☐ Check if Special Reporting Limits Are Needed										
Relinquished by: Stella Date: 12/29 Time: 12/29							Received by: Stella Date: 12/29/04 Time: 13:05							Intact ☒ Y ☐ N Headspace ☒ Y ☐ N Temp 4°C Log-in Review ☒										
Relinquished by: Stella Date: 12/29 Time: 12/29							Received by: Stella Date: 12/29/04 Time: 13:05							Carrier # Field # 1120 3865										

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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Page 3 of 3

TraceAnalysis, Inc. 6701 Alford Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296 email: lab@traceanalysis.com		155 McCutcheon Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4844 1 (888) 588-3443		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST LAB Order ID # <u>4123004</u>																															
Company Name: <u>Monument</u> Address: <u>2057 Commerce</u> Contact Person: <u>Todd Choban</u> Invoice to: <u>(if different from above)</u> Project #: <u>Monument</u> Project Location: <u>Monument</u>		ANALYSIS REQUEST (Circle or Specify Method No.) <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>TX 1005 Extended (C35)</td><td></td></tr> <tr><td>PAH 8270C</td><td></td></tr> <tr><td>Total Metals Ag As Ba Cd Cr Pb Se Hg 60108/200 7</td><td></td></tr> <tr><td>TCLP Metals Ag As Ba Cd Cr Pb Se Hg</td><td></td></tr> <tr><td>TCLP Volatiles</td><td></td></tr> <tr><td>TCLP Semi Volatiles</td><td></td></tr> <tr><td>TCLP Pesticides</td><td></td></tr> <tr><td>RCI</td><td></td></tr> <tr><td>GC/MS Vol 8260B/624</td><td></td></tr> <tr><td>GC/MS Semi Vol 8270C/625</td><td></td></tr> <tr><td>PCBs 8082/608</td><td></td></tr> <tr><td>Pesticides 8081A/608</td><td></td></tr> <tr><td>BOD TSS pH</td><td></td></tr> <tr><td>Moisture Content</td><td></td></tr> <tr><td>Turn Around Time if different from standard</td><td></td></tr> </table>				TX 1005 Extended (C35)		PAH 8270C		Total Metals Ag As Ba Cd Cr Pb Se Hg 60108/200 7		TCLP Metals Ag As Ba Cd Cr Pb Se Hg		TCLP Volatiles		TCLP Semi Volatiles		TCLP Pesticides		RCI		GC/MS Vol 8260B/624		GC/MS Semi Vol 8270C/625		PCBs 8082/608		Pesticides 8081A/608		BOD TSS pH		Moisture Content		Turn Around Time if different from standard	
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Moisture Content																																			
Turn Around Time if different from standard																																			
Project Name: <u>Monument</u> Sampler Signature: <u>[Signature]</u>		LAB USE ONLY Intact ☒ N Headspace ☒ Y Temp <u>42</u> °C Log-in Review <u>9</u>																																	
Project Location: <u>Monument</u>		Carrier # <u>1203885</u>																																	

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	PRESERVATIVE METHOD						SAMPLING DATE	TIME			
				MATRIX	WATER	SOIL	AIR	SLUDGE	HCl			HNO ₃	H ₂ SO ₄	NaOH
51736	mw-30	2	V										12/23	1202
737	mw-31	2	V										114	
738	mw-32	2	V										220	
739	mw-33	2	V										244	
740	mw-34	2	V										457	
741	mw-35	2	V										559	
742	mw-36	2	V										615	
743	mw-37	2	V										154	
744	mw-38	2	V										154	136
		2	V										188	186

Relinquished by: <u>[Signature]</u>	Date: <u>12/29</u>	Time: <u>13:05</u>
Relinquished by: <u>[Signature]</u>	Date: <u>12/29/04</u>	Time: <u>13:05</u>
Relinquished by: <u>[Signature]</u>	Date: <u>12/30/04</u>	Time: <u>9:01</u>

Submitted of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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6701 Aberdeen Avenue, Suite 9
155 McCutcheon, Suite H

Lubbock, Texas 79424
El Paso, Texas 79932

800•378•1296
888•588•3443
E-Mail lab@traceanalysis.com

806•794•1296
915•585•3443

FAX 806•794•1298
FAX 915•585•4944

Analytical and Quality Control Report

Curt Stanley
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: April 1, 2005

Work Order: 5032523

Project Location: Monument
Project Name: Bob Durham
Project Number: Bob Durham

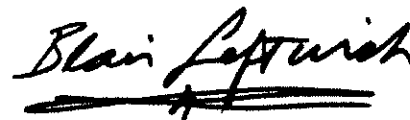
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
58268	MW-2	water	2005-03-20	13:15	2005-03-25
58269	MW-3	water	2005-03-19	09:38	2005-03-25
58270	MW-5	water	2005-03-20	11:21	2005-03-25
58271	MW-6	water	2005-03-20	11:45	2005-03-25
58272	MW-7	water	2005-03-20	12:33	2005-03-25
58273	MW-8	water	2005-03-20	12:05	2005-03-25
58274	MW-9	water	2005-03-19	11:36	2005-03-25
58275	MW-10	water	2005-03-19	12:01	2005-03-25
58276	MW-11	water	2005-03-19	13:24	2005-03-25
58277	MW-12	water	2005-03-20	13:45	2005-03-25
58278	MW-13	water	2005-03-19	12:29	2005-03-25
58279	MW-14	water	2005-03-19	12:56	2005-03-25
58280	MW-15	water	2005-03-19	13:49	2005-03-25
58281	MW-16	water	2005-03-20	10:54	2005-03-25
58282	MW-17	water	2005-03-20	09:07	2005-03-25
58283	MW-18	water	2005-03-20	08:39	2005-03-25
58284	MW-19	water	2005-03-19	07:32	2005-03-25
58285	MW-20	water	2005-03-19	08:52	2005-03-25
58286	MW-21	water	2005-03-19	08:13	2005-03-25
58287	MW-22	water	2005-03-19	08:34	2005-03-25
58288	MW-23	water	2005-03-20	10:27	2005-03-25
58289	MW-24	water	2005-03-19	07:51	2005-03-25
58290	MW-25	water	2005-03-19	09:15	2005-03-25
58291	MW-26	water	2005-03-22	15:48	2005-03-25
58292	MW-27	water	2005-03-22	15:18	2005-03-25
58293	MW-28	water	2005-03-19	11:10	2005-03-25
58295	MW-30	water	2005-03-19	10:31	2005-03-25

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
58296	MW-31	water	2005-03-19	10:06	2005-03-25
58297	MW-32	water	2005-03-20	10:00	2005-03-25
58298	MW-33	water	2005-03-20	14:15	2005-03-25
58299	MW-34	water	2005-03-20	08:15	2005-03-25
58300	MW-35	water	2005-03-20	15:38	2005-03-25
58301	MW-36	water	2005-03-20	09:33	2005-03-25
58302	MW-37	water	2005-03-19	14:43	2005-03-25
58303	MW-38	water	2005-03-19	15:17	2005-03-25

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 24 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 58268 - MW-2

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 16920 Date Analyzed: 2005-03-26 Analyzed By: JG
Prep Batch: 14917 Sample Preparation: 2005-03-26 Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0486	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.447	mg/L	5	0.100	89	75.1 - 112
4-Bromofluorobenzene (4-BFB)	¹	0.188	mg/L	5	0.100	38	49.1 - 106

Sample: 58269 - MW-3

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 16920 Date Analyzed: 2005-03-26 Analyzed By: JG
Prep Batch: 14917 Sample Preparation: 2005-03-26 Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.446	mg/L	5	0.100	89	75.1 - 112
4-Bromofluorobenzene (4-BFB)	²	0.174	mg/L	5	0.100	35	49.1 - 106

Sample: 58270 - MW-5

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 16920 Date Analyzed: 2005-03-26 Analyzed By: JG
Prep Batch: 14917 Sample Preparation: 2005-03-26 Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.163	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.114	mg/L	5	0.00100
Xylene		0.179	mg/L	5	0.00100

¹ BFB out of control. TFT within acceptable limits showing analysis to be in control. •

² BFB out of control. TFT within acceptable limits showing analysis to be in control. •

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.495	mg/L	5	0.100	99	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.290	mg/L	5	0.100	58	49.1 - 106

Sample: 58271 - MW-6

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 16920 Date Analyzed: 2005-03-26 Analyzed By: JG
Prep Batch: 14917 Sample Preparation: 2005-03-26 Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.453	mg/L	5	0.100	91	75.1 - 112
4-Bromofluorobenzene (4-BFB)	³	0.194	mg/L	5	0.100	39	49.1 - 106

Sample: 58272 - MW-7

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 17026 Date Analyzed: 2005-03-30 Analyzed By: JG
Prep Batch: 15006 Sample Preparation: 2005-03-30 Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00720	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.488	mg/L	5	0.100	98	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.496	mg/L	5	0.100	99	49.1 - 106

Sample: 58273 - MW-8

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 16920 Date Analyzed: 2005-03-26 Analyzed By: JG
Prep Batch: 14917 Sample Preparation: 2005-03-26 Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100

continued ...

³BFB out of control. TFT within acceptable limits showing analysis to be in control. •

sample 58273 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0933	mg/L	1	0.100	93	75.1 - 112
4-Bromofluorobenzene (4-BFB)	⁴	0.0395	mg/L	1	0.100	40	49.1 - 106

Sample: 58274 - MW-9

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16920	Date Analyzed: 2005-03-26	Analyzed By: JG
Prep Batch: 14917	Sample Preparation: 2005-03-26	Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0874	mg/L	1	0.100	87	75.1 - 112
4-Bromofluorobenzene (4-BFB)	⁵	0.0313	mg/L	1	0.100	31	49.1 - 106

Sample: 58275 - MW-10

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16920	Date Analyzed: 2005-03-26	Analyzed By: JG
Prep Batch: 14917	Sample Preparation: 2005-03-26	Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0387	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00760	mg/L	1	0.00100
Xylene		0.00660	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0951	mg/L	1	0.100	95	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0655	mg/L	1	0.100	66	49.1 - 106

⁴BFB out of control. TFT within acceptable limits showing analysis to be in control. •

⁵BFB out of control. TFT within acceptable limits showing analysis to be in control. •

Sample: 58276 - MW-11

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16920	Date Analyzed: 2005-03-26	Analyzed By: JG
Prep Batch: 14917	Sample Preparation: 2005-03-26	Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0885	mg/L	1	0.100	88	75.1 - 112
4-Bromofluorobenzene (4-BFB)	⁶	0.0340	mg/L	1	0.100	34	49.1 - 106

Sample: 58277 - MW-12

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16920	Date Analyzed: 2005-03-26	Analyzed By: JG
Prep Batch: 14917	Sample Preparation: 2005-03-26	Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0776	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		0.0550	mg/L	50	0.00100
Xylene		0.0570	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.46	mg/L	50	0.100	89	75.1 - 112
4-Bromofluorobenzene (4-BFB)	⁷	1.66	mg/L	50	0.100	33	49.1 - 106

Sample: 58278 - MW-13

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16920	Date Analyzed: 2005-03-26	Analyzed By: JG
Prep Batch: 14917	Sample Preparation: 2005-03-26	Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0405	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.00710	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

⁶BFB out of control. TFT within acceptable limits showing analysis to be in control. •

⁷BFB out of control. TFT within acceptable limits showing analysis to be in control. •

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.446	mg/L	5	0.100	89	75.1 - 112
4-Bromofluorobenzene (4-BFB)	8	0.177	mg/L	5	0.100	35	49.1 - 106

Sample: 58279 - MW-14

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 16920 Date Analyzed: 2005-03-26 Analyzed By: JG
 Prep Batch: 14917 Sample Preparation: 2005-03-26 Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0854	mg/L	1	0.100	85	75.1 - 112
4-Bromofluorobenzene (4-BFB)	9	0.0281	mg/L	1	0.100	28	49.1 - 106

Sample: 58280 - MW-15

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 16920 Date Analyzed: 2005-03-26 Analyzed By: JG
 Prep Batch: 14917 Sample Preparation: 2005-03-26 Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00170	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0868	mg/L	1	0.100	87	75.1 - 112
4-Bromofluorobenzene (4-BFB)	10	0.0306	mg/L	1	0.100	31	49.1 - 106

Sample: 58281 - MW-16

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 16920 Date Analyzed: 2005-03-26 Analyzed By: JG
 Prep Batch: 14917 Sample Preparation: 2005-03-26 Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0230	mg/L	5	0.00100
Toluene		0.00500	mg/L	5	0.00100

8BFB out of control. TFT within acceptable limits showing analysis to be in control. •

9BFB out of control. TFT within acceptable limits showing analysis to be in control. •

10BFB out of control. TFT within acceptable limits showing analysis to be in control. •

continued...

sample 58281 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.453	mg/L	5	0.100	91	75.1 - 112
4-Bromofluorobenzene (4-BFB)	¹¹	0.198	mg/L	5	0.100	40	49.1 - 106

Sample: 58282 - MW-17

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16920	Date Analyzed: 2005-03-26	Analyzed By: JG
Prep Batch: 14917	Sample Preparation: 2005-03-26	Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0865	mg/L	1	0.100	86	75.1 - 112
4-Bromofluorobenzene (4-BFB)	¹²	0.0295	mg/L	1	0.100	30	49.1 - 106

Sample: 58283 - MW-18

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16920	Date Analyzed: 2005-03-26	Analyzed By: JG
Prep Batch: 14917	Sample Preparation: 2005-03-26	Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0850	mg/L	1	0.100	85	75.1 - 112
4-Bromofluorobenzene (4-BFB)	¹³	0.0229	mg/L	1	0.100	23	49.1 - 106

¹¹BFB out of control. TFT within acceptable limits showing analysis to be in control. •

¹²BFB out of control. TFT within acceptable limits showing analysis to be in control. •

¹³BFB out of control. TFT within acceptable limits showing analysis to be in control. •

Sample: 58284 - MW-19

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16920	Date Analyzed: 2005-03-26	Analyzed By: JG
Prep Batch: 14917	Sample Preparation: 2005-03-26	Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0864	mg/L	1	0.100	86	75.1 - 112
4-Bromofluorobenzene (4-BFB)	¹⁴	0.0243	mg/L	1	0.100	24	49.1 - 106

Sample: 58285 - MW-20

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16920	Date Analyzed: 2005-03-26	Analyzed By: JG
Prep Batch: 14917	Sample Preparation: 2005-03-26	Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0875	mg/L	1	0.100	88	75.1 - 112
4-Bromofluorobenzene (4-BFB)	¹⁵	0.0326	mg/L	1	0.100	33	49.1 - 106

Sample: 58286 - MW-21

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16920	Date Analyzed: 2005-03-26	Analyzed By: JG
Prep Batch: 14917	Sample Preparation: 2005-03-26	Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

¹⁴BFB out of control. TFT within acceptable limits showing analysis to be in control. •

¹⁵BFB out of control. TFT within acceptable limits showing analysis to be in control. •

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0865	mg/L	1	0.100	86	75.1 - 112
4-Bromofluorobenzene (4-BFB)	16	0.0268	mg/L	1	0.100	27	49.1 - 106

Sample: 58287 - MW-22

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 16983 Date Analyzed: 2005-03-29 Analyzed By: MT
Prep Batch: 14970 Sample Preparation: 2005-03-29 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00110	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0948	mg/L	1	0.100	95	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	49.1 - 106

Sample: 58288 - MW-23

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 16983 Date Analyzed: 2005-03-29 Analyzed By: MT
Prep Batch: 14970 Sample Preparation: 2005-03-29 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0949	mg/L	1	0.100	95	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	49.1 - 106

Sample: 58289 - MW-24

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 16983 Date Analyzed: 2005-03-29 Analyzed By: MT
Prep Batch: 14970 Sample Preparation: 2005-03-29 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100

continued...

¹⁶BFB out of control. TFT within acceptable limits showing analysis to be in control. •

sample 58289 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0946	mg/L	1	0.100	95	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	49.1 - 106

Sample: 58290 - MW-25

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16983	Date Analyzed: 2005-03-29	Analyzed By: MT
Prep Batch: 14970	Sample Preparation: 2005-03-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0949	mg/L	1	0.100	95	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	49.1 - 106

Sample: 58291 - MW-26

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16983	Date Analyzed: 2005-03-29	Analyzed By: MT
Prep Batch: 14970	Sample Preparation: 2005-03-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0956	mg/L	1	0.100	96	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	49.1 - 106

Sample: 58292 - MW-27

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	16983	Date Analyzed:	2005-03-29	Analyzed By:	MT
Prep Batch:	14970	Sample Preparation:	2005-03-29	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0949	mg/L	1	0.100	95	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	49.1 - 106

Sample: 58293 - MW-28

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	16983	Date Analyzed:	2005-03-29	Analyzed By:	MT
Prep Batch:	14970	Sample Preparation:	2005-03-29	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0944	mg/L	1	0.100	94	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.100	mg/L	1	0.100	100	49.1 - 106

Sample: 58295 - MW-30

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	16983	Date Analyzed:	2005-03-29	Analyzed By:	MT
Prep Batch:	14970	Sample Preparation:	2005-03-29	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0946	mg/L	1	0.100	95	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0993	mg/L	1	0.100	99	49.1 - 106

Sample: 58296 - MW-31

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16983	Date Analyzed: 2005-03-29	Analyzed By: MT
Prep Batch: 14970	Sample Preparation: 2005-03-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00200	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0945	mg/L	1	0.100	94	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.100	mg/L	1	0.100	100	49.1 - 106

Sample: 58297 - MW-32

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 17026	Date Analyzed: 2005-03-30	Analyzed By: JG
Prep Batch: 15006	Sample Preparation: 2005-03-30	Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00790	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		0.00720	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.496	mg/L	5	0.100	99	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.493	mg/L	5	0.100	99	49.1 - 106

Sample: 58298 - MW-33

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16983	Date Analyzed: 2005-03-29	Analyzed By: MT
Prep Batch: 14970	Sample Preparation: 2005-03-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0975	mg/L	1	0.100	98	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0999	mg/L	1	0.100	100	49.1 - 106

Sample: 58299 - MW-34

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16983	Date Analyzed: 2005-03-29	Analyzed By: MT
Prep Batch: 14970	Sample Preparation: 2005-03-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0948	mg/L	1	0.100	95	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	49.1 - 106

Sample: 58300 - MW-35

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16983	Date Analyzed: 2005-03-29	Analyzed By: MT
Prep Batch: 14970	Sample Preparation: 2005-03-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0950	mg/L	1	0.100	95	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	49.1 - 106

Sample: 58301 - MW-36

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16984	Date Analyzed: 2005-03-29	Analyzed By: MT
Prep Batch: 14971	Sample Preparation: 2005-03-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0970	mg/L	1	0.100	97	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0972	mg/L	1	0.100	97	49.1 - 106

Sample: 58302 - MW-37

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16984	Date Analyzed: 2005-03-29	Analyzed By: MT
Prep Batch: 14971	Sample Preparation: 2005-03-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0209	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.493	mg/L	5	0.100	99	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.497	mg/L	5	0.100	99	49.1 - 106

Sample: 58303 - MW-38

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 16984	Date Analyzed: 2005-03-29	Analyzed By: MT
Prep Batch: 14971	Sample Preparation: 2005-03-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0281	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.0847	mg/L	5	0.00100
Xylene		0.0164	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.500	mg/L	5	0.100	100	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.496	mg/L	5	0.100	99	49.1 - 106

Method Blank (1) QC Batch: 16920

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000255	mg/L	0.001
Toluene		<0.000153	mg/L	0.001
Ethylbenzene		<0.000226	mg/L	0.001
Xylene		<0.00531	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0884	mg/L	1	0.100	88	75.1 - 112
4-Bromofluorobenzene (4-BFB)	¹⁷	0.0328	mg/L	1	0.100	33	49.1 - 106

¹⁷BFB out of control. TFT within acceptable limits showing analysis to be in control. •

Method Blank (1) QC Batch: 16983

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000255	mg/L	0.001
Toluene		<0.000153	mg/L	0.001
Ethylbenzene		<0.000226	mg/L	0.001
Xylene		<0.00531	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0955	mg/L	1	0.100	96	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	49.1 - 106

Method Blank (1) QC Batch: 16984

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000255	mg/L	0.001
Toluene		<0.000153	mg/L	0.001
Ethylbenzene		<0.000226	mg/L	0.001
Xylene		<0.00531	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0979	mg/L	1	0.100	98	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0976	mg/L	1	0.100	98	49.1 - 106

Method Blank (1) QC Batch: 17026

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000255	mg/L	0.001
Toluene		<0.000153	mg/L	0.001
Ethylbenzene		<0.000226	mg/L	0.001
Xylene		<0.00531	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0981	mg/L	1	0.100	98	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0985	mg/L	1	0.100	98	49.1 - 106

Laboratory Control Spike (LCS-1) QC Batch: 16920

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0968	0.101	mg/L	1	0.100	<0.000255	97	4	83.2 - 110	8.5
Toluene	0.0934	0.0965	mg/L	1	0.100	<0.000153	93	3	84.5 - 110	6
Ethylbenzene	0.0892	0.0928	mg/L	1	0.100	<0.000226	89	4	82.8 - 111	6
Xylene	0.261	0.272	mg/L	1	0.300	<0.000531	87	4	82.3 - 113	6.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0982	0.0989	mg/L	1	0.100	98	99	74.7 - 112
4-Bromofluorobenzene (4-BFB)	0.0820	0.0856	mg/L	1	0.100	82	86	69.4 - 111

Laboratory Control Spike (LCS-1) QC Batch: 16983

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.101	0.102	mg/L	1	0.100	<0.000255	101	1	83.2 - 110	8.5
Toluene	0.101	0.102	mg/L	1	0.100	<0.000153	101	1	84.5 - 110	6
Ethylbenzene	0.101	0.103	mg/L	1	0.100	<0.000226	101	2	82.8 - 111	6
Xylene	0.300	0.305	mg/L	1	0.300	<0.000531	100	2	82.3 - 113	6.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0953	0.0954	mg/L	1	0.100	95	95	74.7 - 112
4-Bromofluorobenzene (4-BFB)	0.103	0.103	mg/L	1	0.100	103	103	69.4 - 111

Laboratory Control Spike (LCS-1) QC Batch: 16984

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.101	0.102	mg/L	1	0.100	<0.000255	101	1	83.2 - 110	8.5
Toluene	0.0999	0.101	mg/L	1	0.100	<0.000153	100	1	84.5 - 110	6
Ethylbenzene	0.100	0.101	mg/L	1	0.100	<0.000226	100	1	82.8 - 111	6
Xylene	0.296	0.301	mg/L	1	0.300	<0.000531	99	2	82.3 - 113	6.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0977	0.0978	mg/L	1	0.100	98	98	74.7 - 112
4-Bromofluorobenzene (4-BFB)	0.0997	0.100	mg/L	1	0.100	100	100	69.4 - 111

Laboratory Control Spike (LCS-1) QC Batch: 17026

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0990	0.101	mg/L	1	0.100	<0.000255	99	2	83.2 - 110	8.5
Toluene	0.0990	0.100	mg/L	1	0.100	<0.000153	99	1	84.5 - 110	6
Ethylbenzene	0.101	0.102	mg/L	1	0.100	<0.000226	101	1	82.8 - 111	6
Xylene	0.298	0.302	mg/L	1	0.300	<0.000531	99	1	82.3 - 113	6.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0982	0.0975	mg/L	1	0.100	98	98	74.7 - 112

continued...

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	0.101	0.100	mg/L	1	0.100	101	100	69.4 - 111

Standard (ICV-1) QC Batch: 16920

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0997	100	85 - 115	2005-03-26
Toluene		mg/L	0.100	0.0964	96	85 - 115	2005-03-26
Ethylbenzene		mg/L	0.100	0.0922	92	85 - 115	2005-03-26
Xylene		mg/L	0.300	0.271	90	85 - 115	2005-03-26

Standard (CCV-1) QC Batch: 16920

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	85 - 115	2005-03-26
Toluene		mg/L	0.100	0.0969	97	85 - 115	2005-03-26
Ethylbenzene		mg/L	0.100	0.0923	92	85 - 115	2005-03-26
Xylene		mg/L	0.300	0.271	90	85 - 115	2005-03-26

Standard (CCV-2) QC Batch: 16920

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.100	100	85 - 115	2005-03-26
Toluene		mg/L	0.100	0.0952	95	85 - 115	2005-03-26
Ethylbenzene		mg/L	0.100	0.0901	90	85 - 115	2005-03-26
Xylene		mg/L	0.300	0.265	88	85 - 115	2005-03-26

Standard (ICV-1) QC Batch: 16983

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0989	99	85 - 115	2005-03-29
Toluene		mg/L	0.100	0.101	101	85 - 115	2005-03-29
Ethylbenzene		mg/L	0.100	0.102	102	85 - 115	2005-03-29
Xylene		mg/L	0.300	0.301	100	85 - 115	2005-03-29

Standard (CCV-1) QC Batch: 16983

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0996	100	85 - 115	2005-03-29

continued ...

standard continued...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/L	0.100	0.0990	99	85 - 115	2005-03-29
Ethylbenzene		mg/L	0.100	0.0994	99	85 - 115	2005-03-29
Xylene		mg/L	0.300	0.295	98	85 - 115	2005-03-29

Standard (CCV-2) QC Batch: 16983

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	85 - 115	2005-03-29
Toluene		mg/L	0.100	0.100	100	85 - 115	2005-03-29
Ethylbenzene		mg/L	0.100	0.101	101	85 - 115	2005-03-29
Xylene		mg/L	0.300	0.299	100	85 - 115	2005-03-29

Standard (ICV-1) QC Batch: 16984

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0998	100	85 - 115	2005-03-29
Toluene		mg/L	0.100	0.0993	99	85 - 115	2005-03-29
Ethylbenzene		mg/L	0.100	0.0997	100	85 - 115	2005-03-29
Xylene		mg/L	0.300	0.295	98	85 - 115	2005-03-29

Standard (CCV-1) QC Batch: 16984

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	85 - 115	2005-03-29
Toluene		mg/L	0.100	0.101	101	85 - 115	2005-03-29
Ethylbenzene		mg/L	0.100	0.101	101	85 - 115	2005-03-29
Xylene		mg/L	0.300	0.300	100	85 - 115	2005-03-29

Standard (ICV-1) QC Batch: 17026

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	85 - 115	2005-03-30
Toluene		mg/L	0.100	0.102	102	85 - 115	2005-03-30
Ethylbenzene		mg/L	0.100	0.103	103	85 - 115	2005-03-30
Xylene		mg/L	0.300	0.306	102	85 - 115	2005-03-30

Standard (CCV-1) QC Batch: 17026

Report Date: April 1, 2005
Bob Durham

Work Order: 5032523
Bob Durham

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Monument

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.103	103	85 - 115	2005-03-30
Toluene		mg/L	0.100	0.102	102	85 - 115	2005-03-30
Ethylbenzene		mg/L	0.100	0.103	103	85 - 115	2005-03-30
Xylene		mg/L	0.300	0.306	102	85 - 115	2005-03-30

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST													
LAB Order ID # 5032523													
TraceAnalysis, Inc. 6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 email: lab@traceanalysis.com 155 McCulcheon, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (800) 586-3443													
Company Name: <u>NOVA</u> Address: (Steel City, Zip) <u>2057 Commerce</u> Contact Person: <u>Curt Stanley</u> Invoice to: (if different from above) <u>Plains</u> Project #: <u>TRIM CT-2000-7</u> Project Location: <u>Monroe Plant</u> Project Name: <u>Bob Durham</u> Sampler Signature: <u>[Signature]</u>													
LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING DATE	TIME
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH		
58268	MW-2	3	✓	✓				✓				3/20/1315	X
269	MW-3	1	✓	✓				✓				3/19/938	X
270	MW-5	1	✓	✓				✓				3/20/112	
271	MW-6	1	✓	✓				✓				3/20/1145	
272	MW-7	1	✓	✓				✓				3/20/1233	
273	MW-8	1	✓	✓				✓				3/20/1205	
274	MW-9	1	✓	✓				✓				3/19/1136	
275	MW-10	1	✓	✓				✓				3/19/1201	
276	MW-11	1	✓	✓				✓				3/19/1324	
277	MW-12	1	✓	✓				✓				3/20/1345	
278	MW-13	1	✓	✓				✓				3/19/1229	
Relinquished by: <u>[Signature]</u> Date: <u>3/24/05</u> Time: <u>0900</u> Received by: <u>[Signature]</u> Date: <u>3/24/05</u> Time: <u>0900</u>													
Relinquished by: <u>[Signature]</u> Date: <u>3/24/05</u> Time: <u>1920</u> Received by: <u>[Signature]</u> Date: <u>3/25/05</u> Time: <u>1141</u>													
Relinquished by: <u>[Signature]</u> Date: <u>3/24/05</u> Time: <u>1920</u> Received by: <u>[Signature]</u> Date: <u>3/25/05</u> Time: <u>1141</u>													

MTBE 8021B/602

BTEX 8021B/602

TPH 418 1/7X1005

TX 1005 Extended (C35)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg 8010B/2007

TCLP Volatiles

TCLP Semi Volatiles

TCLP Pesticides

RCI

GC/MS Vol 8260B/624

GC/MS Semi Vol 8270C/625

PCBs 8082/608

Pesticides 8081A/608

BOD TSS pH

Moisture Content

Turn Around Time if different from standard

LAB USE ONLY

Intact ☒ Y ☐ N

Headspace ☒ Y ☐ N

Temp ☒ Y ☐ N

Log-in Review ☒ Y ☐ N

Remarks: notified customer about missing MW 29 vH 3-25-05

Carrier # 9924227

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. 33 samples-15

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TraceAnalysis, Inc. 6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296 email: lab@traceanalysis.com		155 McCutcheon, Suite H El Paso, Texas 79532 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST LAB Order ID # <u>5032523</u>																																																																																																																																																																																																
Company Name: <u>Monument</u> Address: (Street, City, Zip) <u>2057 Commerce</u> Contact Person: <u>Curt Stanley</u> Invoice to: (If different from above) <u>Plains</u> Project #: <u>TW 16-2000-7</u> Project Location: <u>Monument</u>		Phone #: <u>432 520 7720</u> Fax #: <u></u> e-mail: <u></u>		ANALYSIS REQUEST (Circle or Specify Method No.) <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>TX 1005 Extended (C35)</td><td></td></tr> <tr><td>PAH 8270C</td><td></td></tr> <tr><td>Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007</td><td></td></tr> <tr><td>TCLP Metals Ag As Ba Cd Cr Pb Se Hg</td><td></td></tr> <tr><td>TCLP Volatiles</td><td></td></tr> <tr><td>TCLP Semi Volatiles</td><td></td></tr> <tr><td>TCLP Pesticides</td><td></td></tr> <tr><td>RCI</td><td></td></tr> <tr><td>GC/MS Vol 8260B/624</td><td></td></tr> <tr><td>GC/MS Semi Vol 8270C/625</td><td></td></tr> <tr><td>PCBs 8082/608</td><td></td></tr> <tr><td>Pesticides 8081A/608</td><td></td></tr> <tr><td>BOD TSS pH</td><td></td></tr> <tr><td>Moisture Content</td><td></td></tr> <tr><td>Turn Around Time if different from standard</td><td></td></tr> </table>		TX 1005 Extended (C35)		PAH 8270C		Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007		TCLP Metals Ag As Ba Cd Cr Pb Se Hg		TCLP Volatiles		TCLP Semi Volatiles		TCLP Pesticides		RCI		GC/MS Vol 8260B/624		GC/MS Semi Vol 8270C/625		PCBs 8082/608		Pesticides 8081A/608		BOD TSS pH		Moisture Content		Turn Around Time if different from standard																																																																																																																																																																		
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Page 3 of 4

TraceAnalysis, Inc. 6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1256 Fax (806) 794-1258 1 (800) 378-1256 email: lab@traceanalysis.com		155 McCulloch Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST LAB Order ID # <u>5032523</u>																																																																																																																																																																																																																																							
Company Name: <u>Monument</u> Phone #: <u>432 520 7720</u> Address: <u>2057 Commerce</u> (Street, City, Zip) Contact Person: <u>Court Stanley</u> Fax #: _____ e-mail: _____ Invoice to: <u>Plains</u> (If different from above) Project #: <u>TM 14-2000-7</u> Project Name: <u>Bob Durham</u> Project Location: <u>Monument</u> Sampler Signature: <u>[Signature]</u>		ANALYSIS REQUEST (Circle or Specify Method No.) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>MTBE 8021B/602</td> <td>TX 1005 Extended (C35)</td> <td>PAH 8270C</td> <td>Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200 7</td> <td>TCLP Metals Ag As Ba Cd Cr Pb Se Hg</td> <td>TCLP Volatiles</td> <td>TCLP Semi Volatiles</td> <td>TCLP Pesticides</td> <td>RCI</td> <td>GC/MS Vol 8260B/624</td> <td>GC/MS Semi Vol 8270C/623</td> <td>PCBs 8082/608</td> <td>Pesticides 8081A/608</td> <td>BOD TSS pH</td> <td>Moisture Content</td> <td>Turn Around Time if different from standard</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				MTBE 8021B/602	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200 7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B/624	GC/MS Semi Vol 8270C/623	PCBs 8082/608	Pesticides 8081A/608	BOD TSS pH	Moisture Content	Turn Around Time if different from standard																																																																																																																																																																																																																						
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6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1298
email: lab@traceanalysis.com

TraceAnalysis, Inc.

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1298
email: lab@traceanalysis.com

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 5032523

ANALYSIS REQUEST
(Circle or Specify Method No.)

Company Name: NOVA
Address: 2057 Commerce
Contact Person: Curt Stanley
Invoice to: Plains
Project #: TNM Lt - 2000-7
Project Location: Mary Mont

Phone #: 432 5207720
Fax #:
e-mail:

Project Name: DOB Duration
Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		TIME
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	
58301	NW-36	3	V	✓									3/20	933
302	NW-37	1	↓	✓									3/19	1443
303	NW-38	1	↓	✓									3/19	1517

Reinquisitioned by: [Signature] Date: 3/21/05 Time: 9:00
Reinquisitioned by: [Signature] Date: 3/21/05 Time: 1930
Reinquisitioned by: [Signature] Date: 3/21/05 Time:

Revised by: [Signature] Date: 3/21/05 Time: 9:00
Received by: [Signature] Date: 3/21/05 Time:
Received at Laboratory by: [Signature] Date: 3/21/05 Time: 11:11

LAB USE ONLY
Intact Y N
Headspace Y N
Temp 4 °
Log-in Review [Signature]

REMARKS:
☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check if Special Reporting Limits Are Needed

Carrier # Done Star 19422

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6701 Aberdeen Avenue, Suite 9
155 McCutcheon, Suite H

Lubbock, Texas 79424
El Paso, Texas 79932

800•378•1296
888•588•3443
E-Mail lab@traceanalysis.com

806•794•1296
915•585•3443

FAX 806•794•1298
FAX 915•585•4944

Analytical and Quality Control Report

Todd Choban
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: June 27, 2005

Work Order: 5062107

Project Location: West of Monument, NM
Project Name: Bob Durham
Project Number: TNM-LF-2000-7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
65948	MW-1	water	2005-06-17	18:17	2005-06-21
65949	MW-3	water	2005-06-17	07:59	2005-06-21
65950	MW-6	water	2005-06-17	08:25	2005-06-21
65951	MW-7	water	2005-06-17	17:51	2005-06-21
65952	MW-9	water	2005-06-17	13:58	2005-06-21
65953	MW-11	water	2005-06-17	14:26	2005-06-21
65954	MW-13	water	2005-06-17	15:58	2005-06-21
65955	MW-14	water	2005-06-17	14:51	2005-06-21
65956	MW-15	water	2005-06-17	14:50	2005-06-21
65957	MW-17	water	2005-06-17	10:46	2005-06-21
65958	MW-18	water	2005-06-17	11:09	2005-06-21
65959	MW-19	water	2005-06-17	10:20	2005-06-21
65960	MW-20	water	2005-06-17	18:38	2005-06-21
65961	MW-21	water	2005-06-17	09:34	2005-06-21
65962	MW-22	water	2005-06-17	19:02	2005-06-21
65963	MW-23	water	2005-06-17	09:11	2005-06-21
65964	MW-24	water	2005-06-17	09:59	2005-06-21
65965	MW-25	water	2005-06-17	08:47	2005-06-21
65966	MW-28	water	2005-06-17	13:33	2005-06-21
65967	MW-29	water	2005-06-17	13:12	2005-06-21
65968	MW-30	water	2005-06-17	12:49	2005-06-21
65969	MW-31	water	2005-06-17	16:20	2005-06-21
65970	MW-32	water	2005-06-17	17:09	2005-06-21
65971	MW-33	water	2005-06-17	14:22	2005-06-21
65972	MW-34	water	2005-06-17	12:23	2005-06-21

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
65973	MW-35	water	2005-06-17	11:35	2005-06-21
65974	MW-36	water	2005-06-17	11:59	2005-06-21
65975	MW-37	water	2005-06-17	17:30	2005-06-21
65976	MW-38	water	2005-06-17	16:45	2005-06-21

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 21 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 65948 - MW-1

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19072	Date Analyzed: 2005-06-21	Analyzed By:
Prep Batch: 16757	Sample Preparation: 2005-06-21	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0890	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		0.0758	mg/L	10	0.00100
Xylene		0.0791	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.12	mg/L	10	0.100	112	48.4 - 119
4-Bromofluorobenzene (4-BFB)		1.14	mg/L	10	0.100	114	17.1 - 138

Sample: 65949 - MW-3

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19141	Date Analyzed: 2005-06-23	Analyzed By:
Prep Batch: 16810	Sample Preparation: 2005-06-23	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.511	mg/L	5	0.100	102	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.437	mg/L	5	0.100	87	52.4 - 119

Sample: 65950 - MW-6

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19141	Date Analyzed: 2005-06-23	Analyzed By:
Prep Batch: 16810	Sample Preparation: 2005-06-23	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00940	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.00920	mg/L	5	0.00100
Xylene		0.0114	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.492	mg/L	5	0.100	98	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.416	mg/L	5	0.100	83	52.4 - 119

Sample: 65951 - MW-7

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19141	Date Analyzed: 2005-06-23	Analyzed By:
Prep Batch: 16810	Sample Preparation: 2005-06-23	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<0.00500	mg/L	5	0.00100
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		0.00580	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.477	mg/L	5	0.100	95	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.409	mg/L	5	0.100	82	52.4 - 119

Sample: 65952 - MW-9

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19072	Date Analyzed: 2005-06-21	Analyzed By:
Prep Batch: 16757	Sample Preparation: 2005-06-21	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.112	mg/L	1	0.100	112	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.112	mg/L	1	0.100	112	17.1 - 138

Sample: 65953 - MW-11

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19072	Date Analyzed: 2005-06-21	Analyzed By:
Prep Batch: 16757	Sample Preparation: 2005-06-21	Prepared By: MT

continued...

sample 65953 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.113	mg/L	1	0.100	113	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.113	mg/L	1	0.100	113	17.1 - 138

Sample: 65954 - MW-13

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19072	Date Analyzed: 2005-06-21	Analyzed By:
Prep Batch: 16757	Sample Preparation: 2005-06-21	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0526	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0170	mg/L	1	0.00100
Xylene		0.00520	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.114	mg/L	1	0.100	114	48.4 - 119
4-Bromofluorobenzene (4-BFB)	¹	0.152	mg/L	1	0.100	152	17.1 - 138

Sample: 65955 - MW-14

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19072	Date Analyzed: 2005-06-21	Analyzed By:
Prep Batch: 16757	Sample Preparation: 2005-06-21	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

¹High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.110	mg/L	1	0.100	110	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.111	mg/L	1	0.100	111	17.1 - 138

Sample: 65956 - MW-15

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 19080 Date Analyzed: 2005-06-21 Analyzed By:
Prep Batch: 16758 Sample Preparation: 2005-06-21 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00200	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.110	mg/L	1	0.100	110	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.111	mg/L	1	0.100	111	17.1 - 138

Sample: 65957 - MW-17

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 19080 Date Analyzed: 2005-06-21 Analyzed By:
Prep Batch: 16758 Sample Preparation: 2005-06-21 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.110	mg/L	1	0.100	110	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.112	mg/L	1	0.100	112	17.1 - 138

Sample: 65958 - MW-18

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 19080 Date Analyzed: 2005-06-21 Analyzed By:
Prep Batch: 16758 Sample Preparation: 2005-06-21 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued...

sample 65958 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.112	mg/L	1	0.100	112	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.113	mg/L	1	0.100	113	17.1 - 138

Sample: 65959 - MW-19

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19080	Date Analyzed: 2005-06-21	Analyzed By:
Prep Batch: 16758	Sample Preparation: 2005-06-21	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.111	mg/L	1	0.100	111	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.112	mg/L	1	0.100	112	17.1 - 138

Sample: 65960 - MW-20

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19080	Date Analyzed: 2005-06-21	Analyzed By:
Prep Batch: 16758	Sample Preparation: 2005-06-21	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.550	mg/L	5	0.100	110	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.559	mg/L	5	0.100	112	17.1 - 138

Sample: 65961 - MW-21

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19080	Date Analyzed: 2005-06-21	Analyzed By:
Prep Batch: 16758	Sample Preparation: 2005-06-21	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.109	mg/L	1	0.100	109	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.110	mg/L	1	0.100	110	17.1 - 138

Sample: 65962 - MW-22

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19080	Date Analyzed: 2005-06-21	Analyzed By:
Prep Batch: 16758	Sample Preparation: 2005-06-21	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.110	mg/L	1	0.100	110	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.110	mg/L	1	0.100	110	17.1 - 138

Sample: 65963 - MW-23

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19080	Date Analyzed: 2005-06-21	Analyzed By:
Prep Batch: 16758	Sample Preparation: 2005-06-21	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00180	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.110	mg/L	1	0.100	110	17.1 - 138

Sample: 65964 - MW-24

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 19080 Date Analyzed: 2005-06-21 Analyzed By:
Prep Batch: 16758 Sample Preparation: 2005-06-21 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.109	mg/L	1	0.100	109	17.1 - 138

Sample: 65965 - MW-25

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 19080 Date Analyzed: 2005-06-21 Analyzed By:
Prep Batch: 16758 Sample Preparation: 2005-06-21 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.109	mg/L	1	0.100	109	17.1 - 138

Sample: 65966 - MW-28

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 19080 Date Analyzed: 2005-06-21 Analyzed By:
Prep Batch: 16758 Sample Preparation: 2005-06-21 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 65966 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	17.1 - 138

Sample: 65967 - MW-29

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 19080 Date Analyzed: 2005-06-21 Analyzed By:
Prep Batch: 16758 Sample Preparation: 2005-06-21 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.107	mg/L	1	0.100	107	17.1 - 138

Sample: 65968 - MW-30

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 19080 Date Analyzed: 2005-06-21 Analyzed By:
Prep Batch: 16758 Sample Preparation: 2005-06-21 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	17.1 - 138

Sample: 65969 - MW-31

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	19080	Date Analyzed:	2005-06-21	Analyzed By:	
Prep Batch:	16758	Sample Preparation:	2005-06-21	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.107	mg/L	1	0.100	107	17.1 - 138

Sample: 65970 - MW-32

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	19141	Date Analyzed:	2005-06-23	Analyzed By:	
Prep Batch:	16810	Sample Preparation:	2005-06-23	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.451	mg/L	5	0.100	90	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.387	mg/L	5	0.100	77	52.4 - 119

Sample: 65971 - MW-33

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	19080	Date Analyzed:	2005-06-21	Analyzed By:	
Prep Batch:	16758	Sample Preparation:	2005-06-21	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.107	mg/L	1	0.100	107	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	17.1 - 138

Sample: 65972 - MW-34

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 19080 Date Analyzed: 2005-06-21 Analyzed By:
Prep Batch: 16758 Sample Preparation: 2005-06-21 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.105	mg/L	1	0.100	105	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.106	mg/L	1	0.100	106	17.1 - 138

Sample: 65973 - MW-35

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 19080 Date Analyzed: 2005-06-21 Analyzed By:
Prep Batch: 16758 Sample Preparation: 2005-06-21 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.106	mg/L	1	0.100	106	17.1 - 138

Sample: 65974 - MW-36

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 19080 Date Analyzed: 2005-06-21 Analyzed By:
Prep Batch: 16758 Sample Preparation: 2005-06-21 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued...

sample 65974 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.106	mg/L	1	0.100	106	17.1 - 138

Sample: 65975 - MW-37

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19080	Date Analyzed: 2005-06-21	Analyzed By:
Prep Batch: 16758	Sample Preparation: 2005-06-21	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	17.1 - 138

Sample: 65976 - MW-38

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 19195	Date Analyzed: 2005-06-24	Analyzed By:
Prep Batch: 16868	Sample Preparation: 2005-06-24	Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0279	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.129	mg/L	5	0.00100
Xylene		0.0371	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.507	mg/L	5	0.100	101	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.489	mg/L	5	0.100	98	52.4 - 119

Method Blank (1) QC Batch: 19072

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000650	mg/L	0.001
Toluene		<0.00101	mg/L	0.001
Ethylbenzene		<0.000840	mg/L	0.001
Xylene		<0.000737	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.116	mg/L	1	0.100	116	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.115	mg/L	1	0.100	115	17.1 - 138

Method Blank (1) QC Batch: 19080

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000650	mg/L	0.001
Toluene		<0.00101	mg/L	0.001
Ethylbenzene		<0.000840	mg/L	0.001
Xylene		<0.000737	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.109	mg/L	1	0.100	109	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.110	mg/L	1	0.100	110	17.1 - 138

Method Blank (1) QC Batch: 19141

Parameter	Flag	MDL Result	Units	RL
MTBE		<0.000232	mg/L	0.001
Benzene		<0.000136	mg/L	0.001
Toluene		<0.000247	mg/L	0.001
Ethylbenzene		<0.000552	mg/L	0.001
Xylene		<0.00156	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0826	mg/L	1	0.100	83	52.4 - 113

Method Blank (1) QC Batch: 19195

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000136	mg/L	0.001
Toluene		<0.000247	mg/L	0.001
Ethylbenzene		<0.000552	mg/L	0.001
Xylene		<0.00156	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0928	mg/L	1	0.100	93	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0884	mg/L	1	0.100	88	52.4 - 113

Laboratory Control Spike (LCS-1) QC Batch: 19072

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.101	0.113	mg/L	1	0.100	<0.000650	101	11	81.9 - 114	20
Toluene ²	0.102	0.113	mg/L	1	0.100	<0.00101	102	10	82.8 - 112	20
Ethylbenzene ³	0.103	0.114	mg/L	1	0.100	<0.000840	103	10	82.2 - 111	20
Xylene ⁴	0.309	0.343	mg/L	1	0.300	<0.000737	103	10	83.5 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.102	0.112	mg/L	1	0.100	102	112	48.4 - 119
4-Bromofluorobenzene (4-BFB)	0.102	0.109	mg/L	1	0.100	102	109	17.1 - 138

Laboratory Control Spike (LCS-1) QC Batch: 19080

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.108	0.106	mg/L	1	0.100	<0.000650	108	2	81.9 - 114	20
Toluene	0.108	0.107	mg/L	1	0.100	<0.00101	108	1	82.8 - 112	20
Ethylbenzene	0.109	0.108	mg/L	1	0.100	<0.000840	109	1	82.2 - 111	20
Xylene	0.327	0.324	mg/L	1	0.300	<0.000737	109	1	83.5 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.108	0.110	mg/L	1	0.100	108	110	48.4 - 119
4-Bromofluorobenzene (4-BFB)	0.107	0.108	mg/L	1	0.100	107	108	17.1 - 138

Laboratory Control Spike (LCS-1) QC Batch: 19141

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
MTBE	0.102	0.105	mg/L	1	0.100	<0.000232	102	3	66.7 - 119	20
Benzene	0.0931	0.0949	mg/L	1	0.100	<0.000136	93	2	72.8 - 113	20
Toluene	0.0918	0.0939	mg/L	1	0.100	<0.000247	92	2	75.2 - 112	20
Ethylbenzene	0.0918	0.0929	mg/L	1	0.100	<0.000550	92	1	81 - 112	20
Xylene	0.278	0.281	mg/L	1	0.300	<0.00156	93	1	82.9 - 119	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

²LCSD analyte out of range. LCS shows extraction occurred properly.

³LCSD analyte out of range. LCS shows extraction occurred properly.

⁴LCSD analyte out of range. LCS shows extraction occurred properly.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.104	0.108	mg/L	1	0.100	104	108	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.0904	0.0926	mg/L	1	0.100	90	93	77.8 - 119

Laboratory Control Spike (LCS-1) QC Batch: 19195

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0918	0.0927	mg/L	1	0.100	<0.000136	92	1	72.8 - 113	20
Toluene	0.0896	0.0906	mg/L	1	0.100	<0.000247	90	1	75.2 - 112	20
Ethylbenzene	0.0952	0.0963	mg/L	1	0.100	<0.000550	95	1	81 - 112	20
Xylene	0.308	0.312	mg/L	1	0.300	<0.00156	103	1	82.9 - 119	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0995	0.0972	mg/L	1	0.100	100	97	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.102	0.0989	mg/L	1	0.100	102	99	77.8 - 119

Standard (CCV-1) QC Batch: 19072

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.109	109	85 - 115	2005-06-21
Toluene		mg/L	0.100	0.109	109	85 - 115	2005-06-21
Ethylbenzene		mg/L	0.100	0.111	111	85 - 115	2005-06-21
Xylene		mg/L	0.300	0.334	111	85 - 115	2005-06-21

Standard (CCV-2) QC Batch: 19072

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.105	105	85 - 115	2005-06-21
Toluene		mg/L	0.100	0.106	106	85 - 115	2005-06-21
Ethylbenzene		mg/L	0.100	0.107	107	85 - 115	2005-06-21
Xylene		mg/L	0.300	0.321	107	85 - 115	2005-06-21

Standard (ICV-1) QC Batch: 19080

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.109	109	85 - 115	2005-06-21
Toluene		mg/L	0.100	0.110	110	85 - 115	2005-06-21
Ethylbenzene		mg/L	0.100	0.112	112	85 - 115	2005-06-21
Xylene		mg/L	0.300	0.335	112	85 - 115	2005-06-21

Standard (CCV-1) QC Batch: 19080

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.105	105	85 - 115	2005-06-21
Toluene		mg/L	0.100	0.105	105	85 - 115	2005-06-21
Ethylbenzene		mg/L	0.100	0.106	106	85 - 115	2005-06-21
Xylene		mg/L	0.300	0.317	106	85 - 115	2005-06-21

Standard (CCV-2) QC Batch: 19080

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	85 - 115	2005-06-21
Toluene		mg/L	0.100	0.102	102	85 - 115	2005-06-21
Ethylbenzene		mg/L	0.100	0.102	102	85 - 115	2005-06-21
Xylene		mg/L	0.300	0.309	103	85 - 115	2005-06-21

Standard (ICV-1) QC Batch: 19141

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.100	0.103	103	85 - 115	2005-06-23
Benzene		mg/L	0.100	0.0934	93	85 - 115	2005-06-23
Toluene		mg/L	0.100	0.0926	93	85 - 115	2005-06-23
Ethylbenzene		mg/L	0.100	0.0922	92	85 - 115	2005-06-23
Xylene		mg/L	0.300	0.279	93	85 - 115	2005-06-23

Standard (CCV-1) QC Batch: 19141

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.100	0.0988	99	85 - 115	2005-06-23
Benzene		mg/L	0.100	0.0871	87	85 - 115	2005-06-23
Toluene		mg/L	0.100	0.0887	89	85 - 115	2005-06-23
Ethylbenzene		mg/L	0.100	0.0879	88	85 - 115	2005-06-23
Xylene		mg/L	0.300	0.266	89	85 - 115	2005-06-23

Standard (CCV-2) QC Batch: 19141

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.111	111	85 - 115	2005-06-23
Toluene		mg/L	0.100	0.111	111	85 - 115	2005-06-23

continued...

standard continued...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ethylbenzene	⁵	mg/L	0.100	0.116	116	85 - 115	2005-06-23
Xylene	⁶	mg/L	0.300	0.353	118	85 - 115	2005-06-23

Standard (ICV-1) QC Batch: 19195

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0905	90	85 - 115	2005-06-24
Toluene		mg/L	0.100	0.0893	89	85 - 115	2005-06-24
Ethylbenzene		mg/L	0.100	0.0953	95	85 - 115	2005-06-24
Xylene		mg/L	0.300	0.309	103	85 - 115	2005-06-24

Standard (CCV-1) QC Batch: 19195

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0881	88	85 - 115	2005-06-24
Toluene		mg/L	0.100	0.0859	86	85 - 115	2005-06-24
Ethylbenzene		mg/L	0.100	0.0912	91	85 - 115	2005-06-24
Xylene		mg/L	0.300	0.296	99	85 - 115	2005-06-24

⁵Ethylbenzene outside of control limits on CCV. CCV component average is 113.6 which is within acceptable range. This is acceptable by Method 8000.

⁶Xylene outside of control limits on CCV. CCV component average is 113.6 which is within acceptable range. This is acceptable by Method 8000.

Page 1 of 3

TraceAnalysis, Inc. 6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1286 email: lab@traceanalysis.com		155 McCutcheon, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443					
Company Name: ADVA Address: 2057 Commerce Dr, MIDLAND, TX 79701 Contact Person: JOHN HOBAN Invoice to: (if different from above) PLANKS Project #: TNM-LF-2000-7 Project Location: WEST OF MONUMENT, NM		Phone #: 432-570-7770 Fax #: 432-570-7701 Project Name: BOB DURHAM Sampler Signature: [Signature]					
LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS Volume/Amount	MATRIX WATER SOIL AIR SLUDGE	PRESERVATIVE METHOD HCl HNO ₃ H ₂ SO ₄ NaOH ICE NONE	SAMPLING DATE TIME	ANALYSIS REQUEST (Circle or Specify Method No.)	
65948	MW1	3	WAX	X	6/20/05	1417	☒ PAH 8270C ☒ TX 1005 Extended (C35) ☒ BTX 8021B/602 ☒ TPH 418 1/TX1005 ☒ Total Metals Ag As Ba Cd Cr Pb Se Hg 60108/2007 ☒ TCLP Metals Ag As Ba Cd Cr Pb Se Hg ☒ TCLP Volatiles ☒ TCLP Semi Volatiles ☒ TCLP Pesticides ☒ RCI ☒ GC/MS Vol 926GB/524 ☒ GC/MS Semi Vol 8270C/625 ☒ PCB's 8082/608 ☒ Pesticides 8081A/608 ☒ BOD TSS pH ☒ Moisture Content ☐ Turn Around Time if different from standard
49	MW3					1431	
50	MW4					1435	
51	MW7					1451	
52	MW9					1450	
53	MW11					1440	
54	MW13					1409	
55	MW14						
56	MW15						
57	MW17						
58	MW18						
Relinquished by: [Signature] Date: 6-20-05 0930 Time: 1700		Received by: [Signature] Date: 6-21-05 4:00 Time: 8:50		Relinquished by: [Signature] Date: 6/21/05 Time: 8:50			
Relinquished by: [Signature] Date: 6/21/05 Time: 1700		Received by: [Signature] Date: 6/21/05 Time: 8:50		Relinquished by: [Signature] Date: 6/21/05 Time: 8:50			
Remarks:							
LAB USE ONLY Intact ☒ Y ☒ N Headspace ☒ Y ☒ N Temp ☒ Y ☒ N Log-in Review ☒ Y ☒ N							
Carrier # 1344620							

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. 33 samples - 15 ORIGINAL COPY

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Page 3 of 3

Trace Analysis, Inc. 155 McCutcheon, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 email: lab@traceanalysis.com Company Name: NOVA Address: 2051 Commerce Dr, Mckinney, TX 75069 Contact Person: TODD CHOBAN Phone #: 432-570-7720 Fax #: 432-570-7701 Project #: TNM-LF-2000-7 Project Location: West of Monument, NM		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST LAB Order ID #: 5062107 ANALYSIS REQUEST (Circle or Specify Method No.) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TX 1005 Extended (C35)</td> <td></td> </tr> <tr> <td>PAH 8270C</td> <td></td> </tr> <tr> <td>Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007</td> <td></td> </tr> <tr> <td>TCLP Metals Ag As Ba Cd Cr Pb Se Hg</td> <td></td> </tr> <tr> <td>TCLP Volatiles</td> <td></td> </tr> <tr> <td>TCLP Semi Volatiles</td> <td></td> </tr> <tr> <td>TCLP Pesticides</td> <td></td> </tr> <tr> <td>RCI</td> <td></td> </tr> <tr> <td>GC/MS Vol 8260B/624</td> <td></td> </tr> <tr> <td>GC/MS Semi Vol 8270C/625</td> <td></td> </tr> <tr> <td>PCBs 8082/608</td> <td></td> </tr> <tr> <td>Pesticides 8081A/608</td> <td></td> </tr> <tr> <td>BOD TSS pH</td> <td></td> </tr> <tr> <td>Moisture Content</td> <td></td> </tr> <tr> <td>Turn Around Time if different from standard</td> <td></td> </tr> </table>		TX 1005 Extended (C35)		PAH 8270C		Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007		TCLP Metals Ag As Ba Cd Cr Pb Se Hg		TCLP Volatiles		TCLP Semi Volatiles		TCLP Pesticides		RCI		GC/MS Vol 8260B/624		GC/MS Semi Vol 8270C/625		PCBs 8082/608		Pesticides 8081A/608		BOD TSS pH		Moisture Content		Turn Around Time if different from standard	
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Moisture Content																																	
Turn Around Time if different from standard																																	
LAB USE ONLY Intact ☒ N Headspace ☒ Y Temp ☒ 4 Log-in Review ☒ REMARKS:		Carrier # 1394620																															
LAB # (LAB USE ONLY) 65970 MW32 71 MW33 72 MW34 73 MW35 74 MW36 75 MW37 76 MW38		PRESERVATIVE METHOD NONE ICE NaOH H₂SO₄ HNO₃ HCl MATRIX WATER AIR SLUDGE VOLUME/AMOUNT 3 VOA SAMPLING DATE 6/17/05 6/21/05 6/22/05 6/23/05 6/24/05 6/25/05 6/26/05 6/27/05		Received by: John Sutton Date: 6/28/05 Time: 4:00 Received by: John Sutton Date: 6/28/05 Time: 4:00 Received at Laboratory by: John Sutton Date: 6/28/05 Time: 8:50																													
Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. 21 samples AS ORIGINAL COPY																																	



6701 Aberdeen Avenue, Suite 9
155 McCutcheon, Suite H

Lubbock, Texas 79424
El Paso, Texas 79932

800•378•1296
888•588•3443

806•794•1296
915•585•3443

FAX 806•794•1296
FAX 915•585•4944

E-Mail lab@traceanalysis.com

Analytical and Quality Control Report

Todd Choban
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: September 28, 2005

Work Order: 5092621

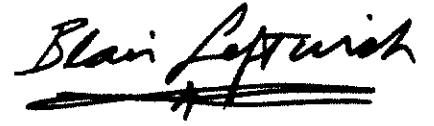
Project Location: West of Monument, NM
Project Name: Bob Durham
Project Number: TNM-LF-2000-7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
74243	MW-1	water	2005-09-22	12:47	2005-09-24
74244	MW-3	water	2005-09-22	11:18	2005-09-24
74245	MW-6	water	2005-09-22	11:47	2005-09-24
74246	MW-7	water	2005-09-22	12:15	2005-09-24
74247	MW-8	water	2005-09-22	13:50	2005-09-24
74248	MW-9	water	2005-09-22	17:33	2005-09-24
74249	MW-13	water	2005-09-22	18:19	2005-09-24
74250	MW-15	water	2005-09-22	17:06	2005-09-24
74251	MW-23	water	2005-09-22	10:49	2005-09-24
74252	MW-28	water	2005-09-22	14:32	2005-09-24
74253	MW-31	water	2005-09-22	15:40	2005-09-24
74254	MW-33	water	2005-09-22	16:38	2005-09-24
74255	MW-37	water	2005-09-22	16:09	2005-09-24
74256	MW-38	water	2005-09-22	17:07	2005-09-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 13 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a prominent horizontal line underneath the name.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 74243 - MW-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	21567	Date Analyzed:	2005-09-27	Analyzed By:	KB
Prep Batch:	18926	Sample Preparation:	2005-09-27	Prepared By:	KB

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Benzene		0.0874	mg/L	1	0.00100
Toluene		0.00130	mg/L	1	0.00100
Ethylbenzene		0.0978	mg/L	1	0.00100
Xylene		0.148	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0973	mg/L	1	0.100	97	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.116	mg/L	1	0.100	116	17.1 - 138

Sample: 74244 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	21567	Date Analyzed:	2005-09-27	Analyzed By:	KB
Prep Batch:	18926	Sample Preparation:	2005-09-27	Prepared By:	KB

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Benzene		0.00540	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00250	mg/L	1	0.00100
Xylene		0.00170	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0848	mg/L	1	0.100	85	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0949	mg/L	1	0.100	95	17.1 - 138

Sample: 74245 - MW-6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	21567	Date Analyzed:	2005-09-27	Analyzed By:	KB
Prep Batch:	18926	Sample Preparation:	2005-09-27	Prepared By:	KB

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Benzene		0.00830	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0105	mg/L	1	0.00100
Xylene		0.0167	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0873	mg/L	1	0.100	87	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0987	mg/L	1	0.100	99	17.1 - 138

Sample: 74246 - MW-7

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 21567 Date Analyzed: 2005-09-27 Analyzed By: KB
Prep Batch: 18926 Sample Preparation: 2005-09-27 Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00530	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00690	mg/L	1	0.00100
Xylene		0.0162	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0863	mg/L	1	0.100	86	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	17.1 - 138

Sample: 74247 - MW-8

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 21567 Date Analyzed: 2005-09-27 Analyzed By: KB
Prep Batch: 18926 Sample Preparation: 2005-09-27 Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00730	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00150	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0863	mg/L	1	0.100	86	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0941	mg/L	1	0.100	94	17.1 - 138

Sample: 74248 - MW-9

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 21531 Date Analyzed: 2005-09-26 Analyzed By: MT
Prep Batch: 18887 Sample Preparation: 2005-09-26 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued...

sample 74248 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0920	mg/L	1	0.100	92	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0927	mg/L	1	0.100	93	49.1 - 106

Sample: 74249 - MW-13

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 21531	Date Analyzed: 2005-09-26	Analyzed By: MT
Prep Batch: 18887	Sample Preparation: 2005-09-26	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0373	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0134	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0989	mg/L	1	0.100	99	75.1 - 112
4-Bromofluorobenzene (4-BFB)	¹	0.117	mg/L	1	0.100	117	49.1 - 106

Sample: 74250 - MW-15

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 21531	Date Analyzed: 2005-09-26	Analyzed By: MT
Prep Batch: 18887	Sample Preparation: 2005-09-26	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0914	mg/L	1	0.100	91	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0925	mg/L	1	0.100	92	49.1 - 106

¹High surrogate recovery due to peak interference.

Sample: 74251 - MW-23

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 21531	Date Analyzed: 2005-09-26	Analyzed By: MT
Prep Batch: 18887	Sample Preparation: 2005-09-26	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0908	mg/L	1	0.100	91	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0910	mg/L	1	0.100	91	49.1 - 106

Sample: 74252 - MW-28

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 21531	Date Analyzed: 2005-09-26	Analyzed By: MT
Prep Batch: 18887	Sample Preparation: 2005-09-26	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0904	mg/L	1	0.100	90	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0880	mg/L	1	0.100	88	49.1 - 106

Sample: 74253 - MW-31

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 21531	Date Analyzed: 2005-09-26	Analyzed By: MT
Prep Batch: 18887	Sample Preparation: 2005-09-26	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00120	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0912	mg/L	1	0.100	91	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0901	mg/L	1	0.100	90	49.1 - 106

Sample: 74254 - MW-33

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 21531 Date Analyzed: 2005-09-26 Analyzed By: MT
Prep Batch: 18887 Sample Preparation: 2005-09-26 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0928	mg/L	1	0.100	93	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0911	mg/L	1	0.100	91	49.1 - 106

Sample: 74255 - MW-37

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 21531 Date Analyzed: 2005-09-26 Analyzed By: MT
Prep Batch: 18887 Sample Preparation: 2005-09-26 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0895	mg/L	1	0.100	90	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0895	mg/L	1	0.100	90	49.1 - 106

Sample: 74256 - MW-38

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 21531 Date Analyzed: 2005-09-26 Analyzed By: MT
Prep Batch: 18887 Sample Preparation: 2005-09-26 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0190	mg/L	1	0.00100

continued ...

sample 74256 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0914	mg/L	1	0.00100
Xylene		0.0237	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0968	mg/L	1	0.100	97	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	49.1 - 106

Method Blank (1) QC Batch: 21531

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000255	mg/L	0.001
Toluene		<0.000153	mg/L	0.001
Ethylbenzene		<0.000226	mg/L	0.001
Xylene		<0.00531	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0912	mg/L	1	0.100	91	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0905	mg/L	1	0.100	90	49.1 - 106

Method Blank (1) QC Batch: 21567

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000650	mg/L	0.001
Toluene		<0.00101	mg/L	0.001
Ethylbenzene		<0.000840	mg/L	0.001
Xylene		<0.000737	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0849	mg/L	1	0.100	85	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0892	mg/L	1	0.100	89	17.1 - 138

Laboratory Control Spike (LCS-1) QC Batch: 21531

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0929	0.0943	mg/L	1	0.100	<0.000255	93	2	83.2 - 110	8.5
Toluene	0.0912	0.0930	mg/L	1	0.100	<0.000153	91	2	84.5 - 110	6
Ethylbenzene	0.0886	0.0913	mg/L	1	0.100	<0.000226	89	3	82.8 - 111	6

continued ...

control spikes continued . . .

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Xylene	0.272	0.278	mg/L	1	0.300	<0.000531	91	2	82.3 - 113	6.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0919	0.0925	mg/L	1	0.100	92	92	74.7 - 112
4-Bromofluorobenzene (4-BFB)	0.102	0.103	mg/L	1	0.100	102	103	69.4 - 111

Laboratory Control Spike (LCS-1) QC Batch: 21567

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0939	0.0944	mg/L	1	0.100	<0.000650	94	0	81.9 - 114	20
Toluene	0.0947	0.0955	mg/L	1	0.100	<0.00101	95	1	82.8 - 112	20
Ethylbenzene	0.0896	0.0891	mg/L	1	0.100	<0.000840	90	1	82.2 - 111	20
Xylene	0.284	0.287	mg/L	1	0.300	<0.000737	95	1	83.5 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0877	0.0874	mg/L	1	0.100	88	87	48.4 - 119
4-Bromofluorobenzene (4-BFB)	0.0926	0.0922	mg/L	1	0.100	93	92	17.1 - 138

Matrix Spike (MS-1) QC Batch: 21531 Spiked Sample: 74238

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene ²	0.107	NA	mg/L	1	0.100	<0.000255	107	200	70 - 130	20
Toluene ³	0.104	NA	mg/L	1	0.100	<0.000153	104	200	70 - 130	20
Ethylbenzene ⁴	0.103	NA	mg/L	1	0.100	<0.000226	103	200	70 - 130	20
Xylene ⁵	0.323	NA	mg/L	1	0.300	<0.000531	108	200	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT) ⁶	0.0934	NA	mg/L	1	0.1	93	0	70 - 130
4-Bromofluorobenzene (4-BFB) ⁷	0.103	NA	mg/L	1	0.1	103	0	70 - 130

Matrix Spike (MS-1) QC Batch: 21567 Spiked Sample: 74334

²RPD is out of range because a matrix spike duplicate was not prepared.

³RPD is out of range because a matrix spike duplicate was not prepared.

⁴RPD is out of range because a matrix spike duplicate was not prepared.

⁵RPD is out of range because a matrix spike duplicate was not prepared.

⁶RPD is out of range because a matrix spike duplicate was not prepared.

⁷RPD is out of range because a matrix spike duplicate was not prepared.

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	⁸	0.0947	NA	mg/L	1	0.100	<0.000650	95	200	81.9 - 114	20
Toluene	⁹	0.0960	NA	mg/L	1	0.100	<0.00101	96	200	82.8 - 112	20
Ethylbenzene	¹⁰	0.0947	NA	mg/L	1	0.100	<0.000840	95	200	82.2 - 111	20
Xylene	¹¹	0.291	NA	mg/L	1	0.300	<0.000737	97	200	83.5 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	¹²	0.0872	NA	mg/L	1	0.1	87	0	48.4 - 119
4-Bromofluorobenzene (4-BFB)	¹³	0.0920	NA	mg/L	1	0.1	92	0	17.1 - 138

Standard (ICV-1) QC Batch: 21531

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0935	94	85 - 115	2005-09-26
Toluene		mg/L	0.100	0.0931	93	85 - 115	2005-09-26
Ethylbenzene		mg/L	0.100	0.0914	91	85 - 115	2005-09-26
Xylene		mg/L	0.300	0.277	92	85 - 115	2005-09-26

Standard (CCV-1) QC Batch: 21531

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0938	94	85 - 115	2005-09-26
Toluene		mg/L	0.100	0.0922	92	85 - 115	2005-09-26
Ethylbenzene		mg/L	0.100	0.0886	89	85 - 115	2005-09-26
Xylene		mg/L	0.300	0.271	90	85 - 115	2005-09-26

Standard (ICV-1) QC Batch: 21567

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0907	91	85 - 115	2005-09-27
Toluene		mg/L	0.100	0.0919	92	85 - 115	2005-09-27
Ethylbenzene		mg/L	0.100	0.0875	88	85 - 115	2005-09-27
Xylene		mg/L	0.300	0.275	92	85 - 115	2005-09-27

Standard (CCV-1) QC Batch: 21567

⁸RPD is out of range because a matrix spike duplicate was not prepared.

⁹RPD is out of range because a matrix spike duplicate was not prepared.

¹⁰RPD is out of range because a matrix spike duplicate was not prepared.

¹¹RPD is out of range because a matrix spike duplicate was not prepared.

¹²RPD is out of range because a matrix spike duplicate was not prepared.

¹³RPD is out of range because a matrix spike duplicate was not prepared.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0914	91	85 - 115	2005-09-27
Toluene		mg/L	0.100	0.0923	92	85 - 115	2005-09-27
Ethylbenzene		mg/L	0.100	0.0877	88	85 - 115	2005-09-27
Xylene		mg/L	0.300	0.276	92	85 - 115	2005-09-27

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TraceAnalysis, Inc. 501 Aberdeen Ave, Ste 9 Lubbock, Texas 79424 Tel (806) 794-1295 Fax (806) 794-1298 1 (800) 378-1296		155 McCulloch Way, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4844																																																																																																																																																																																																																																											
Company Name: Nova Safety & Environmental Address: (Street, City, Zip) 2057 Commerce Dr., Midland, TX 79703 Contact Person: <u>JOE OUBAN</u> Phone #: 432-520-7720 Fax #: 432-520-7701		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST LAB Order ID # <u>5092621</u>																																																																																																																																																																																																																																											
Project Name: <u>TNM-LF-2000-7</u> Project Location: <u>MONUMENT, NM</u> (If different from above) Plains All American - ENV Accounts Payable Project #: <u>TNM-LF-2000-7</u> Sample Signature: <u>Bob Durham</u> <u>R. Fancis</u>		ANALYSIS REQUEST (Circle or Specify Method No.)																																																																																																																																																																																																																																											
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Relinquished by: <u>R. Francis</u> Date: <u>9/23/05</u> Time: <u>0900</u> Relinquished by: <u>Helen Shelton</u> Date: <u>9/23/05</u> Time: <u>1730</u> Relinquished by: _____ Date: _____ Time: _____		LAB USE ONLY Intact Y/N _____ Headspace Y/N _____ Temp. 4 ° Log-In Review <u>NF</u> Carrier # <u>24504000</u> REMARKS: e-mail to Jennifer only jlange@novatraining.cc ☐ check if special reporting limits needed																																																																																																																																																																																																																																											

6.11-768-319-771-01

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of COC

Page 2 of 2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 5092621

ANALYSIS REQUEST
(Circle or Specify Method No.)

Method No.	Method Name	Result	Turn Around Time if different from standard
TX1005 Extended	PAH 8270C		
BTEX (8021B/602)	Total Metals Ag As Ba Cd Cr Pb Se Hg 60108/200.7		
TCMP Volatiles	TCMP Metals Ag As Ba Cd Cr Pb Se Hg		
TCMP Semi Volatiles	TCMP Volatiles		
TCMP Pesticides	TCMP Pesticides		
RCL	GC/MS Vol. 8260B/624		
GC/MS Semi. Vol. 8270C/625	GC/MS Semi. Vol. 8270C/625		
PCBs 8082/608	PCBs 8082/608		
Pesticides 8081A/608	Pesticides 8081A/608		
BOD, TSS, pH	BOD, TSS, pH		

TraceAnalysis, Inc.

155 McCutcheon Way, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944

Company Name: Nova Safety & Environmental Phone #: 432-520-7720

Address: 2057 Commerce Dr., Midland, TX 79703 Fax #: 432-520-7701

Contact Person: _____

Invoice to: _____

(If different from above) Plains All American - ENV Accounts Payable

Project #: TNM-LF-2000-7 Project Name: BOB DURHAM

Project Location: MONUMENT, NM Sampler Signature: R. HUMBUS

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING			
				WATER	SOIL	AIR	SLUDGE	HCL	HNO ₃	NaHSO ₄	H ₂ SO ₄	ICE	NONE	DATE	TIME
74254	MW33	3	VOA	X				X						9/23/05	1630
55	MW37	1	↓					↓						↓	1609
56	MW38	1	↓					↓						↓	1709

Relinquished by: K. HUMBUS Date: 9/23/05 Time: 0900

Relinquished by: K. HUMBUS Date: 9/23/05 Time: 1730

Relinquished by: _____ Date: _____ Time: _____

Received by: K. HUMBUS Date: 9/23/05 Time: 0900

Received by: _____ Date: _____ Time: _____

Received at Laboratory by: K. HUMBUS Date: 9/24/05 Time: 11:00am

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of COC

Carrier # 9 4000000000

1-800-111-1111



6701 Aberdeen Avenue, Suite 9
155 McCutcheon, Suite H

Lubbock, Texas 79424
El Paso, Texas 79932

800•378•1296
888•588•3443

806•794•1296
915•585•3443

FAX 806•794•1298
FAX 915•585•4944

E-Mail lab@traceanalysis.com

Analytical and Quality Control Report

Jennifer Lange
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: January 3, 2006

Work Order: 5122806

Project Location: West of Monument, NM
Project Name: Bob Durham
Project Number: TNM-LF-2000-7

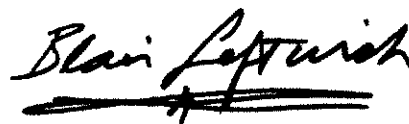
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
80800	MW-1	water	2005-12-20	19:00	2005-12-28
80801	MW-2	water	2005-12-20	18:37	2005-12-28
80802	MW-3	water	2005-12-20	15:30	2005-12-28
80803	MW-5	water	2005-12-20	19:54	2005-12-28
80804	MW-6	water	2005-12-20	17:10	2005-12-28
80805	MW-7	water	2005-12-20	16:08	2005-12-28
80806	MW-8	water	2005-12-20	16:40	2005-12-28
80807	MW-9	water	2005-12-20	09:36	2005-12-28
80808	MW-10	water	2005-12-20	20:02	2005-12-28
80809	MW-11	water	2005-12-20	09:57	2005-12-28
80810	MW-13	water	2005-12-20	18:03	2005-12-28
80811	MW-14	water	2005-12-20	10:16	2005-12-28
80812	MW-15	water	2005-12-20	10:33	2005-12-28
80813	MW-16	water	2005-12-20	19:26	2005-12-28
80814	MW-20	water	2005-12-20	12:51	2005-12-28
80815	MW-21	water	2005-12-20	10:52	2005-12-28
80816	MW-23	water	2005-12-20	11:17	2005-12-28
80817	MW-24	water	2005-12-20	11:41	2005-12-28
80818	MW-25	water	2005-12-20	12:02	2005-12-28
80819	MW-28	water	2005-12-20	12:20	2005-12-28
80820	MW-29	water	2005-12-20	12:32	2005-12-28
80821	MW-30	water	2005-12-20	14:10	2005-12-28
80822	MW-31	water	2005-12-20	14:58	2005-12-28
80823	MW-32	water	2005-12-20	14:31	2005-12-28
80824	MW-33	water	2005-12-20	13:27	2005-12-28

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
80825	MW-37	water	2005-12-20	13:51	2005-12-28
80826	MW-38	water	2005-12-20	17:38	2005-12-28

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 21 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 80800 - MW-1

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23693	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20798	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0495	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0562	mg/L	1	0.00100
Xylene		0.0639	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0973	mg/L	1	0.100	97	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.118	mg/L	1	0.100	118	70.6 - 129.2

Sample: 80801 - MW-2

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23713	Date Analyzed: 2005-12-29	Analyzed By: MT
Prep Batch: 20821	Sample Preparation: 2005-12-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0538	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0398	mg/L	1	0.00100
Xylene		0.00340	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.114	mg/L	1	0.100	114	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.127	mg/L	1	0.100	127	70.6 - 129.2

Sample: 80802 - MW-3

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23713	Date Analyzed: 2005-12-29	Analyzed By: MT
Prep Batch: 20821	Sample Preparation: 2005-12-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00480	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00240	mg/L	1	0.00100
Xylene		0.00250	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0998	mg/L	1	0.100	100	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0939	mg/L	1	0.100	94	70.6 - 129.2

Sample: 80803 - MW-5

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23693	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20798	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.213	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		0.148	mg/L	10	0.00100
Xylene		0.0944	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/L	10	0.100	107	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.988	mg/L	10	0.100	99	70.6 - 129.2

Sample: 80804 - MW-6

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23713	Date Analyzed: 2005-12-29	Analyzed By: MT
Prep Batch: 20821	Sample Preparation: 2005-12-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00830	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0105	mg/L	1	0.00100
Xylene		0.0175	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0816	mg/L	1	0.100	82	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0977	mg/L	1	0.100	98	70.6 - 129.2

Sample: 80805 - MW-7

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23713	Date Analyzed: 2005-12-29	Analyzed By: MT
Prep Batch: 20821	Sample Preparation: 2005-12-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00310	mg/L	1	0.00100

continued...

sample 80805 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00270	mg/L	1	0.00100
Xylene		0.00350	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0844	mg/L	1	0.100	84	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0990	mg/L	1	0.100	99	70.6 - 129.2

Sample: 80806 - MW-8

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23713	Date Analyzed: 2005-12-29	Analyzed By: MT
Prep Batch: 20821	Sample Preparation: 2005-12-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00570	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00140	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0868	mg/L	1	0.100	87	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0916	mg/L	1	0.100	92	70.6 - 129.2

Sample: 80807 - MW-9

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23693	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20798	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0931	mg/L	1	0.100	93	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0863	mg/L	1	0.100	86	70.6 - 129.2

Sample: 80808 - MW-10

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23693	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20798	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0937	mg/L	1	0.100	94	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0887	mg/L	1	0.100	89	70.6 - 129.2

Sample: 80809 - MW-11

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23693	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20798	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0920	mg/L	1	0.100	92	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0846	mg/L	1	0.100	85	70.6 - 129.2

Sample: 80810 - MW-13

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23693	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20798	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Benzene		0.0412	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0327	mg/L	1	0.00100
Xylene		0.00260	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.105	mg/L	1	0.100	105	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)	¹	0.154	mg/L	1	0.100	154	70.6 - 129.2

Sample: 80811 - MW-14

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23693	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20798	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0915	mg/L	1	0.100	92	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0883	mg/L	1	0.100	88	70.6 - 129.2

Sample: 80812 - MW-15

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23693	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20798	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0923	mg/L	1	0.100	92	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0868	mg/L	1	0.100	87	70.6 - 129.2

Sample: 80813 - MW-16

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0475	mg/L	10	0.00100

¹High surrogate recovery due to peak interference.

continued ...

sample 80813 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		0.0122	mg/L	10	0.00100
Xylene		0.0120	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.917	mg/L	10	0.100	92	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.899	mg/L	10	0.100	90	70.6 - 129.2

Sample: 80814 - MW-20

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0901	mg/L	1	0.100	90	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0885	mg/L	1	0.100	88	70.6 - 129.2

Sample: 80815 - MW-21

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0908	mg/L	1	0.100	91	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0840	mg/L	1	0.100	84	70.6 - 129.2

Sample: 80816 - MW-23

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0905	mg/L	1	0.100	90	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0864	mg/L	1	0.100	86	70.6 - 129.2

Sample: 80817 - MW-24

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0908	mg/L	1	0.100	91	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0834	mg/L	1	0.100	83	70.6 - 129.2

Sample: 80818 - MW-25

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0913	mg/L	1	0.100	91	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0842	mg/L	1	0.100	84	70.6 - 129.2

Sample: 80819 - MW-28

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0913	mg/L	1	0.100	91	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0858	mg/L	1	0.100	86	70.6 - 129.2

Sample: 80820 - MW-29

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0917	mg/L	1	0.100	92	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0853	mg/L	1	0.100	85	70.6 - 129.2

Sample: 80821 - MW-30

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued...

sample 80821 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0919	mg/L	1	0.100	92	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0847	mg/L	1	0.100	85	70.6 - 129.2

Sample: 80822 - MW-31

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00140	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0910	mg/L	1	0.100	91	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0855	mg/L	1	0.100	86	70.6 - 129.2

Sample: 80823 - MW-32

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23740	Date Analyzed: 2005-12-30	Analyzed By: KB
Prep Batch: 20842	Sample Preparation: 2005-12-30	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00130	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0881	mg/L	1	0.100	88	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0863	mg/L	1	0.100	86	70.6 - 129.2

Sample: 80824 - MW-33

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0954	mg/L	1	0.100	95	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0848	mg/L	1	0.100	85	70.6 - 129.2

Sample: 80825 - MW-37

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23695	Date Analyzed: 2005-12-28	Analyzed By: KB
Prep Batch: 20801	Sample Preparation: 2005-12-28	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0901	mg/L	1	0.100	90	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0837	mg/L	1	0.100	84	70.6 - 129.2

Sample: 80826 - MW-38

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 23740	Date Analyzed: 2005-12-30	Analyzed By: KB
Prep Batch: 20842	Sample Preparation: 2005-12-30	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0196	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.245	mg/L	1	0.00100
Xylene		0.0926	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0862	mg/L	1	0.100	86	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.116	mg/L	1	0.100	116	70.6 - 129.2

Method Blank (1) QC Batch: 23693

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000650	mg/L	0.001
Toluene		<0.00101	mg/L	0.001
Ethylbenzene		<0.000840	mg/L	0.001
Xylene		<0.000737	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0927	mg/L	1	0.100	93	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0874	mg/L	1	0.100	87	17.1 - 138

Method Blank (1) QC Batch: 23695

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000650	mg/L	0.001
Toluene		<0.00101	mg/L	0.001
Ethylbenzene		<0.000840	mg/L	0.001
Xylene		<0.000737	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0891	mg/L	1	0.100	89	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0825	mg/L	1	0.100	82	17.1 - 138

Method Blank (1) QC Batch: 23713

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000650	mg/L	0.001
Toluene		<0.00101	mg/L	0.001
Ethylbenzene		<0.000840	mg/L	0.001
Xylene		<0.000737	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0877	mg/L	1	0.100	88	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0842	mg/L	1	0.100	84	17.1 - 138

Method Blank (1) QC Batch: 23740

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000650	mg/L	0.001
Toluene		<0.00101	mg/L	0.001
Ethylbenzene		<0.000840	mg/L	0.001
Xylene		<0.000737	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0845	mg/L	1	0.100	84	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0791	mg/L	1	0.100	79	17.1 - 138

Laboratory Control Spike (LCS-1) QC Batch: 23693

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0982	0.0972	mg/L	1	0.100	<0.000650	98	1	80.8 - 120.7	20
Toluene	0.0971	0.0962	mg/L	1	0.100	<0.00101	97	1	81 - 120.8	20
Ethylbenzene	0.0983	0.0972	mg/L	1	0.100	<0.000840	98	1	82.1 - 121	20
Xylene	0.300	0.298	mg/L	1	0.300	<0.000737	100	1	82.4 - 123.3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0986	0.0986	mg/L	1	0.100	99	99	48.4 - 119
4-Bromofluorobenzene (4-BFB)	0.104	0.102	mg/L	1	0.100	104	102	17.1 - 138

Laboratory Control Spike (LCS-1) QC Batch: 23695

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0929	0.0932	mg/L	1	0.100	<0.000650	93	0	80.8 - 120.7	20
Toluene	0.0912	0.0915	mg/L	1	0.100	<0.00101	91	0	81 - 120.8	20
Ethylbenzene	0.0904	0.0929	mg/L	1	0.100	<0.000840	90	3	82.1 - 121	20
Xylene	0.278	0.283	mg/L	1	0.300	<0.000737	92	2	82.4 - 123.3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0942	0.0961	mg/L	1	0.100	94	96	48.4 - 119
4-Bromofluorobenzene (4-BFB)	0.0969	0.0998	mg/L	1	0.100	97	100	17.1 - 138

Laboratory Control Spike (LCS-1) QC Batch: 23713

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0959	0.0931	mg/L	1	0.100	<0.000650	96	3	80.8 - 120.7	20

continued ...

control spikes continued . . .

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Toluene	0.0942	0.0928	mg/L	1	0.100	<0.00101	94	2	81 - 120.8	20
Ethylbenzene	0.0953	0.0948	mg/L	1	0.100	<0.000840	95	0	82.1 - 121	20
Xylene	0.292	0.290	mg/L	1	0.300	<0.000737	97	1	82.4 - 123.3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0942	0.0941	mg/L	1	0.100	94	94	48.4 - 119
4-Bromofluorobenzene (4-BFB)	0.0987	0.0996	mg/L	1	0.100	99	100	17.1 - 138

Laboratory Control Spike (LCS-1) QC Batch: 23740

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0894	0.0898	mg/L	1	0.100	<0.000650	89	0	80.8 - 120.7	20
Toluene	0.0880	0.0885	mg/L	1	0.100	<0.00101	88	1	81 - 120.8	20
Ethylbenzene	0.0889	0.0890	mg/L	1	0.100	<0.000840	89	0	82.1 - 121	20
Xylene	0.273	0.274	mg/L	1	0.300	<0.000737	91	0	82.4 - 123.3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0884	0.0900	mg/L	1	0.100	88	90	48.4 - 119
4-Bromofluorobenzene (4-BFB)	0.0940	0.0943	mg/L	1	0.100	94	94	17.1 - 138

Matrix Spike (MS-1) QC Batch: 23693 Spiked Sample: 80827

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene ²	0.105	NA	mg/L	1	0.100	<0.000650	105	200	72.6 - 135.5	20
Toluene ³	0.105	NA	mg/L	1	0.100	<0.00101	105	200	71.4 - 134.5	20
Ethylbenzene ⁴	0.106	NA	mg/L	1	0.100	<0.000840	106	200	76.2 - 126.1	20
Xylene ⁵	0.326	NA	mg/L	1	0.300	<0.000737	109	200	67.4 - 112	140.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	⁶ 0.0986	NA	mg/L	1	0.1	99	0	48.4 - 119
4-Bromofluorobenzene (4-BFB)	⁷ 0.102	NA	mg/L	1	0.1	102	0	17.1 - 138

Matrix Spike (MS-1) QC Batch: 23695 Spiked Sample: 80828

²RPD is out of range because a matrix spike duplicate was not prepared.

³RPD is out of range because a matrix spike duplicate was not prepared.

⁴RPD is out of range because a matrix spike duplicate was not prepared.

⁵RPD is out of range because a matrix spike duplicate was not prepared.

⁶RPD is out of range because a matrix spike duplicate was not prepared.

⁷RPD is out of range because a matrix spike duplicate was not prepared.

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	⁸	0.0968	na	mg/L	1	0.100	<0.000650	97	200	72.6 - 135.5	20
Toluene	⁹	0.0952	na	mg/L	1	0.100	<0.00101	95	200	71.4 - 134.5	20
Ethylbenzene	¹⁰	0.0959	na	mg/L	1	0.100	<0.000840	96	200	76.2 - 126.1	20
Xylene	¹¹	0.294	na	mg/L	1	0.300	<0.000737	98	200	67.4 - 112	140.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	¹²	0.0965	na	mg/L	1	0.1	96	0	48.4 - 119
4-Bromofluorobenzene (4-BFB)	¹³	0.0998	na	mg/L	1	0.1	100	0	17.1 - 138

Matrix Spike (MS-1) QC Batch: 23740 Spiked Sample: 81109

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	¹⁴	0.0888	NA	mg/L	1	0.100	<0.000650	89	200	72.6 - 135.5	20
Toluene	¹⁵	0.0861	NA	mg/L	1	0.100	<0.00101	86	200	71.4 - 134.5	20
Ethylbenzene	¹⁶	0.0881	NA	mg/L	1	0.100	<0.000840	88	200	76.2 - 126.1	20
Xylene	¹⁷	0.269	NA	mg/L	1	0.300	<0.000737	90	200	67.4 - 112	140.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	¹⁸	0.0894	NA	mg/L	1	0.1	89	0	48.4 - 119
4-Bromofluorobenzene (4-BFB)	¹⁹	0.0936	NA	mg/L	1	0.1	94	0	17.1 - 138

Standard (ICV-1) QC Batch: 23693

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0951	95	85 - 115	2005-12-28
Toluene		mg/L	0.100	0.0944	94	85 - 115	2005-12-28
Ethylbenzene		mg/L	0.100	0.0949	95	85 - 115	2005-12-28
Xylene		mg/L	0.300	0.292	97	85 - 115	2005-12-28

Standard (CCV-1) QC Batch: 23693

⁸RPD is out of range because a matrix spike duplicate was not prepared.
⁹RPD is out of range because a matrix spike duplicate was not prepared.
¹⁰RPD is out of range because a matrix spike duplicate was not prepared.
¹¹RPD is out of range because a matrix spike duplicate was not prepared.
¹²RPD is out of range because a matrix spike duplicate was not prepared.
¹³RPD is out of range because a matrix spike duplicate was not prepared.
¹⁴RPD is out of range because a matrix spike duplicate was not prepared.
¹⁵RPD is out of range because a matrix spike duplicate was not prepared.
¹⁶RPD is out of range because a matrix spike duplicate was not prepared.
¹⁷RPD is out of range because a matrix spike duplicate was not prepared.
¹⁸RPD is out of range because a matrix spike duplicate was not prepared.
¹⁹RPD is out of range because a matrix spike duplicate was not prepared.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0961	96	85 - 115	2005-12-28
Toluene		mg/L	0.100	0.0944	94	85 - 115	2005-12-28
Ethylbenzene		mg/L	0.100	0.0950	95	85 - 115	2005-12-28
Xylene		mg/L	0.300	0.292	97	85 - 115	2005-12-28

Standard (ICV-1) QC Batch: 23695

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0959	96	85 - 115	2005-12-28
Toluene		mg/L	0.100	0.0941	94	85 - 115	2005-12-28
Ethylbenzene		mg/L	0.100	0.0943	94	85 - 115	2005-12-28
Xylene		mg/L	0.300	0.289	96	85 - 115	2005-12-28

Standard (CCV-1) QC Batch: 23695

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0947	95	85 - 115	2005-12-28
Toluene		mg/L	0.100	0.0925	92	85 - 115	2005-12-28
Ethylbenzene		mg/L	0.100	0.0932	93	85 - 115	2005-12-28
Xylene		mg/L	0.300	0.285	95	85 - 115	2005-12-28

Standard (ICV-1) QC Batch: 23713

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0931	93	85 - 115	2005-12-29
Toluene		mg/L	0.100	0.0928	93	85 - 115	2005-12-29
Ethylbenzene		mg/L	0.100	0.0939	94	85 - 115	2005-12-29
Xylene		mg/L	0.300	0.288	96	85 - 115	2005-12-29

Standard (CCV-1) QC Batch: 23713

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0948	95	85 - 115	2005-12-29
Toluene		mg/L	0.100	0.0935	94	85 - 115	2005-12-29
Ethylbenzene		mg/L	0.100	0.0949	95	85 - 115	2005-12-29
Xylene		mg/L	0.300	0.290	97	85 - 115	2005-12-29

Standard (ICV-1) QC Batch: 23740

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0878	88	85 - 115	2005-12-30
Toluene		mg/L	0.100	0.0864	86	85 - 115	2005-12-30
Ethylbenzene		mg/L	0.100	0.0878	88	85 - 115	2005-12-30
Xylene		mg/L	0.300	0.268	89	85 - 115	2005-12-30

Standard (CCV-1) QC Batch: 23740

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0849	85	85 - 115	2005-12-30
Toluene	²⁰	mg/L	0.100	0.0837	84	85 - 115	2005-12-30
Ethylbenzene	²¹	mg/L	0.100	0.0843	84	85 - 115	2005-12-30
Xylene		mg/L	0.300	0.258	86	85 - 115	2005-12-30

²⁰Toluene outside of control limits on CCV(ICV). CCV(ICV) component average is 85.7 which is within acceptable range. This is acceptable by Method 8000.

²¹Ethylbenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 85.7 which is within acceptable range. This is acceptable by Method 8000.

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 565-3443
Fax (915) 585-4944
1 (888) 588-3443

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296
email: lab@traceanalysis.com

Company Name: NOVA SAFETY & ENVIRONMENTAL Phone #: 432 520 7720
Address: (Street, City, Zip) Fax #: 432 520 7720
Contact Person: 2057 CORUM ERIC e-mail: 432 520 7701
Voice to: Todd Chabard
Project #: PLANS MARKETING
Project Name: BOB DURHAM
Sampler Signature: [Signature]
Project Location: TAIN - LF-2000-7
NM

LAB # LAB USE ONLY	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
10811	mw 14	2	4mL	X				X						12/20/05	1016
12	mw 15	1													1033
13	mw 16														1926
14	mw 20														1257
15	mw 21														1052
16	mw 23														1117
17	mw 24														1141
18	mw 25														1202
19	mw 28														1220

Received by: [Signature] Date: 12/27/05 Time: 1625
Received by: [Signature] Date: 12/27/05 Time: 1930
Received at Laboratory by: Megan McCard Date: 12-28-05 Time: 0905

Submission of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

ORIGINAL COPY

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 5122806

ANALYSIS REQUEST

(Circle or Specify Method No.)

TX 1005 Extended (C35)	
TPH 418, 17X1005	
BTX 8021 B/602	X
MTBE 8021 B/602	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg 60108/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
RCI	
GC/MS Vol. 8260B/624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082/608	
Pesticides 8081 A/608	
BOD TSS, pH	
Moisture Content	
Turn Around Time if different from standard	

REMARKS:

LAB USE ONLY

Intact DN
Headspace Y
Temp 41°
Log-in Review 138

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check if Special Reporting Limits Are Needed

Carrier # done book P1827729

[illegible]



6701 Aberdeen Avenue, Suite 9
155 McCutcheon, Suite H

Lubbock, Texas 79424
El Paso, Texas 79932

800•378•1296
888•588•3443
E-Mail lab@traceanalysis.com

806•794•1296
915•585•3443

FAX 806•794•1298
FAX 915•585•4944

Analytical and Quality Control Report

Todd Choban
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: March 27, 2006

Work Order: 6032325



Project Location: West of Monument, NM
Project Name: Bob Durham
Project Number: TNM-LF-2000-7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
86594	MW1	water	2006-03-21	15:50	2006-03-23
86595	MW2	water	2006-03-21	15:08	2006-03-23
86596	MW3	water	2006-03-21	14:25	2006-03-23
86597	MW6	water	2006-03-21	13:30	2006-03-23
86598	MW7	water	2006-03-21	13:55	2006-03-23
86599	MW8	water	2006-03-21	13:15	2006-03-23
86600	MW9	water	2006-03-21	09:00	2006-03-23
86601	MW10	water	2006-03-21	09:20	2006-03-23
86602	MW13	water	2006-03-21	16:08	2006-03-23
86603	MW15	water	2006-03-21	09:35	2006-03-23
86604	MW16	water	2006-03-21	14:48	2006-03-23
86605	MW23	water	2006-03-21	10:00	2006-03-23
86606	MW26	water	2006-03-21	10:28	2006-03-23
86607	MW27	water	2006-03-21	10:50	2006-03-23
86608	MW28	water	2006-03-21	11:38	2006-03-23
86609	MW31	water	2006-03-21	12:45	2006-03-23
86610	MW32	water	2006-03-21	12:15	2006-03-23
86611	MW33	water	2006-03-21	12:30	2006-03-23
86612	MW37	water	2006-03-21	12:04	2006-03-23
86613	MW38	water	2006-03-21	16:22	2006-03-23

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 16 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis,

Inc.

A handwritten signature in black ink, appearing to read "Michael Abel". The signature is written in a cursive, slightly slanted style.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 86594 - MW1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	25435	Date Analyzed:	2006-03-23	Analyzed By:	KB
Prep Batch:	22334	Sample Preparation:	2006-03-23	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0410	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		0.0657	mg/L	20	0.00100
Xylene		0.104	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.74	mg/L	20	0.100	87	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		1.77	mg/L	20	0.100	88	46.4 - 136.5

Sample: 86595 - MW2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	25482	Date Analyzed:	2006-03-26	Analyzed By:	MT
Prep Batch:	22374	Sample Preparation:	2006-03-26	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0641	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.0451	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.493	mg/L	5	0.100	99	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.486	mg/L	5	0.100	97	46.4 - 136.5

Sample: 86596 - MW3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	25482	Date Analyzed:	2006-03-26	Analyzed By:	MT
Prep Batch:	22374	Sample Preparation:	2006-03-26	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00630	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00210	mg/L	1	0.00100
Xylene		0.00350	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0985	mg/L	1	0.100	98	46.4 - 136.5

Sample: 86597 - MW6

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25482	Date Analyzed: 2006-03-26	Analyzed By: MT
Prep Batch: 22374	Sample Preparation: 2006-03-26	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00590	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00830	mg/L	1	0.00100
Xylene		0.0140	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0971	mg/L	1	0.100	97	46.4 - 136.5

Sample: 86598 - MW7

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25482	Date Analyzed: 2006-03-26	Analyzed By: MT
Prep Batch: 22374	Sample Preparation: 2006-03-26	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00340	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00400	mg/L	1	0.00100
Xylene		0.0120	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	46.4 - 136.5

Sample: 86599 - MW8

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25482	Date Analyzed: 2006-03-26	Analyzed By: MT
Prep Batch: 22374	Sample Preparation: 2006-03-26	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00730	mg/L	1	0.00100

continued ...

sample 86599 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00250	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0946	mg/L	1	0.100	95	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0924	mg/L	1	0.100	92	46.4 - 136.5

Sample: 86600 - MW9

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00110	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0845	mg/L	1	0.100	84	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0892	mg/L	1	0.100	89	46.4 - 136.5

Sample: 86601 - MW10

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0830	mg/L	1	0.100	83	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0871	mg/L	1	0.100	87	46.4 - 136.5

Sample: 86602 - MW13

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0509	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0357	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0913	mg/L	1	0.100	91	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.109	mg/L	1	0.100	109	46.4 - 136.5

Sample: 86603 - MW15

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0854	mg/L	1	0.100	85	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0900	mg/L	1	0.100	90	46.4 - 136.5

Sample: 86604 - MW16

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0404	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		<0.0200	mg/L	20	0.00100
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.79	mg/L	20	0.100	90	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		1.86	mg/L	20	0.100	93	46.4 - 136.5

Sample: 86605 - MW23

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0857	mg/L	1	0.100	86	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0887	mg/L	1	0.100	89	46.4 - 136.5

Sample: 86606 - MW26

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0846	mg/L	1	0.100	85	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0880	mg/L	1	0.100	88	46.4 - 136.5

Sample: 86607 - MW27

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 86607 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0853	mg/L	1	0.100	85	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0873	mg/L	1	0.100	87	46.4 - 136.5

Sample: 86608 - MW28

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0830	mg/L	1	0.100	83	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0864	mg/L	1	0.100	86	46.4 - 136.5

Sample: 86609 - MW31

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0841	mg/L	1	0.100	84	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0877	mg/L	1	0.100	88	46.4 - 136.5

Sample: 86610 - MW32

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00120	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0883	mg/L	1	0.100	88	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0949	mg/L	1	0.100	95	46.4 - 136.5

Sample: 86611 - MW33

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0863	mg/L	1	0.100	86	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0889	mg/L	1	0.100	89	46.4 - 136.5

Sample: 86612 - MW37

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25436	Date Analyzed: 2006-03-23	Analyzed By: KB
Prep Batch: 22335	Sample Preparation: 2006-03-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0859	mg/L	1	0.100	86	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0901	mg/L	1	0.100	90	46.4 - 136.5

Sample: 86613 - MW38

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 25482	Date Analyzed: 2006-03-26	Analyzed By: MT
Prep Batch: 22374	Sample Preparation: 2006-03-26	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0249	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.136	mg/L	1	0.00100
Xylene		0.0646	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.116	mg/L	1	0.100	116	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	46.4 - 136.5

Method Blank (1) QC Batch: 25435

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000153	mg/L	0.001
Toluene		<0.000283	mg/L	0.001
Ethylbenzene		<0.000621	mg/L	0.001
Xylene		<0.00137	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0865	mg/L	1	0.100	86	85.1 - 106
4-Bromofluorobenzene (4-BFB)		0.0898	mg/L	1	0.100	90	64.7 - 117

Method Blank (1) QC Batch: 25436

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000153	mg/L	0.001
Toluene		<0.000283	mg/L	0.001
Ethylbenzene		<0.000621	mg/L	0.001
Xylene		<0.000456	mg/L	0.001

continued...

method blank continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	¹	0.0849	mg/L	1	0.100	85	85.1 - 106
4-Bromofluorobenzene (4-BFB)		0.0872	mg/L	1	0.100	87	64.7 - 117

Method Blank (1) QC Batch: 25482

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000153	mg/L	0.001
Toluene		<0.000283	mg/L	0.001
Ethylbenzene		<0.000621	mg/L	0.001
Xylene		<0.000456	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0969	mg/L	1	0.100	97	85.1 - 106
4-Bromofluorobenzene (4-BFB)		0.0961	mg/L	1	0.100	96	64.7 - 117

Laboratory Control Spike (LCS-1) QC Batch: 25435

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.108	0.108	mg/L	1	0.100	<0.000153	108	0	80 - 120	20
Toluene	0.110	0.110	mg/L	1	0.100	<0.000283	110	0	80 - 120	20
Ethylbenzene	0.112	0.114	mg/L	1	0.100	<0.000621	112	2	80 - 120	20
Xylene	0.332	0.340	mg/L	1	0.300	<0.00137	111	2	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0929	0.0926	mg/L	1	0.100	93	93	80 - 120
4-Bromofluorobenzene (4-BFB)	0.0977	0.101	mg/L	1	0.100	98	101	80 - 120

Laboratory Control Spike (LCS-1) QC Batch: 25436

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.108	0.0951	mg/L	1	0.100	<0.000153	108	13	80 - 120	20
Toluene	0.109	0.0953	mg/L	1	0.100	<0.000283	109	13	80 - 120	20
Ethylbenzene	0.113	0.0974	mg/L	1	0.100	<0.000621	113	15	80 - 120	20
Xylene	0.338	0.288	mg/L	1	0.300	<0.000456	113	16	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

¹ TFT surrogate recovery outside normal limits. ICV/CCV/LCS/LCSD show the method to be in control.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0899	0.0899	mg/L	1	0.100	90	90	80 - 120
4-Bromofluorobenzene (4-BFB)	0.0981	0.0933	mg/L	1	0.100	98	93	80 - 120

Laboratory Control Spike (LCS-1) QC Batch: 25482

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.100	0.0988	mg/L	1	0.100	<0.000153	100	2	80 - 120	20
Toluene	0.101	0.0995	mg/L	1	0.100	<0.000283	101	1	80 - 120	20
Ethylbenzene	0.100	0.0993	mg/L	1	0.100	<0.000621	100	1	80 - 120	20
Xylene	0.297	0.295	mg/L	1	0.300	<0.000456	99	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0981	0.100	mg/L	1	0.100	98	100	80 - 120
4-Bromofluorobenzene (4-BFB)	0.0964	0.0982	mg/L	1	0.100	96	98	80 - 120

Matrix Spike (MS-1) QC Batch: 25435 Spiked Sample: 86551

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene ²	0.101	NA	mg/L	1	0.100	<0.000153	101	200	88.4 - 114	20
Toluene ³	0.102	NA	mg/L	1	0.100	<0.000283	102	200	81.4 - 116	20
Ethylbenzene ⁴	0.105	NA	mg/L	1	0.100	<0.000621	105	200	82.5 - 118	20
Xylene ⁵	0.314	NA	mg/L	1	0.300	<0.00137	105	200	77.9 - 117	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT) ⁶	0.0930	NA	mg/L	1	0.1	93	0	84 - 109
4-Bromofluorobenzene (4-BFB) ⁷	0.101	NA	mg/L	1	0.1	101	0	74 - 120

Matrix Spike (MS-1) QC Batch: 25436 Spiked Sample: 86600

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene ⁸⁹	0.116	na	mg/L	1	0.100	<0.000153	116	200	88.4 - 114	20

continued...

²RPD is out of range because a matrix spike duplicate was not prepared.

³RPD is out of range because a matrix spike duplicate was not prepared.

⁴RPD is out of range because a matrix spike duplicate was not prepared.

⁵RPD is out of range because a matrix spike duplicate was not prepared.

⁶RPD is out of range because a matrix spike duplicate was not prepared.

⁷RPD is out of range because a matrix spike duplicate was not prepared.

⁸Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

⁹RPD is out of range because a matrix spike duplicate was not prepared.

matrix spikes continued...

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Toluene	¹⁰	0.116	na	mg/L	1	0.100	<0.000283	116	200	81.4 - 116	20
Ethylbenzene	¹¹¹²	0.120	na	mg/L	1	0.100	<0.000621	120	200	82.5 - 118	20
Xylene	¹³¹⁴	0.357	na	mg/L	1	0.300	<0.000456	119	200	77.9 - 117	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	¹⁵	0.0907	na	mg/L	1	0.1	91	0	84 - 109
4-Bromofluorobenzene (4-BFB)	¹⁶	0.0984	na	mg/L	1	0.1	98	0	74 - 120

Standard (ICV-1) QC Batch: 25435

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.108	108	85 - 115	2006-03-23
Toluene		mg/L	0.100	0.110	110	85 - 115	2006-03-23
Ethylbenzene		mg/L	0.100	0.114	114	85 - 115	2006-03-23
Xylene		mg/L	0.300	0.340	113	85 - 115	2006-03-23

Standard (CCV-1) QC Batch: 25435

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0881	88	85 - 115	2006-03-23
Toluene		mg/L	0.100	0.0889	89	85 - 115	2006-03-23
Ethylbenzene		mg/L	0.100	0.0912	91	85 - 115	2006-03-23
Xylene		mg/L	0.300	0.271	90	85 - 115	2006-03-23

Standard (ICV-1) QC Batch: 25436

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.106	106	85 - 115	2006-03-23
Toluene		mg/L	0.100	0.106	106	85 - 115	2006-03-23
Ethylbenzene		mg/L	0.100	0.109	109	85 - 115	2006-03-23
Xylene		mg/L	0.300	0.329	110	85 - 115	2006-03-23

Standard (CCV-1) QC Batch: 25436

¹⁰RPD is out of range because a matrix spike duplicate was not prepared.

¹¹Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

¹²RPD is out of range because a matrix spike duplicate was not prepared.

¹³Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

¹⁴RPD is out of range because a matrix spike duplicate was not prepared.

¹⁵RPD is out of range because a matrix spike duplicate was not prepared.

¹⁶RPD is out of range because a matrix spike duplicate was not prepared.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.105	105	85 - 115	2006-03-23
Toluene		mg/L	0.100	0.106	106	85 - 115	2006-03-23
Ethylbenzene		mg/L	0.100	0.110	110	85 - 115	2006-03-23
Xylene		mg/L	0.300	0.328	109	85 - 115	2006-03-23

Standard (ICV-1) QC Batch: 25482

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	85 - 115	2006-03-26
Toluene		mg/L	0.100	0.102	102	85 - 115	2006-03-26
Ethylbenzene		mg/L	0.100	0.103	103	85 - 115	2006-03-26
Xylene		mg/L	0.300	0.306	102	85 - 115	2006-03-26

Standard (CCV-1) QC Batch: 25482

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0990	99	85 - 115	2006-03-26
Toluene		mg/L	0.100	0.101	101	85 - 115	2006-03-26
Ethylbenzene		mg/L	0.100	0.0988	99	85 - 115	2006-03-26
Xylene		mg/L	0.300	0.293	98	85 - 115	2006-03-26

[illegible]



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1296
155 McCutcheon, Suite H El Paso, Texas 79932 886•588•3443 915•585•3443 FAX 915•585•4944
E-Mail lab@traceanalysis.com

Analytical and Quality Control Report

Curt Stanley
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: June 26, 2006

Work Order: 6062310



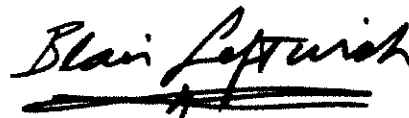
Project Location: West of Monument, NM
Project Name: Bob Durham
Project Number: TNM-LF-2000-7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
93539	MW-9	water	2006-06-22	09:45	2006-06-23
93540	MW-32	water	2006-06-22	12:00	2006-06-23
93541	MW-8	water	2006-06-22	11:45	2006-06-23
93542	MW-3	water	2006-06-22	13:00	2006-06-23
93543	MW-7	water	2006-06-22	14:30	2006-06-23
93544	MW-6	water	2006-06-22	13:15	2006-06-23
93545	MW-16	water	2006-06-22	14:00	2006-06-23
93546	MW-13	water	2006-06-22	12:15	2006-06-23
93547	MW-2	water	2006-06-22	13:30	2006-06-23
93548	MW-1	water	2006-06-22	13:45	2006-06-23
93549	MW-38	water	2006-06-22	12:30	2006-06-23
93550	MW-26	water	2006-06-22	11:30	2006-06-23
93551	MW-10	water	2006-06-22	09:30	2006-06-23
93552	MW-14	water	2006-06-22	08:35	2006-06-23
93553	MW-15	water	2006-06-22	08:29	2006-06-23
93554	MW-23	water	2006-06-22	10:15	2006-06-23
93555	MW-24	water	2006-06-22	10:30	2006-06-23
93556	MW-27	water	2006-06-22	11:15	2006-06-23
93557	MW-28	water	2006-06-22	10:00	2006-06-23
93558	MW-31	water	2006-06-22	09:15	2006-06-23
93559	MW-33	water	2006-06-22	08:45	2006-06-23
93560	MW-37	water	2006-06-22	09:00	2006-06-23
93561	MW-5	water	2006-06-22	14:45	2006-06-23

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a prominent horizontal line underneath the name.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 93539 - MW-9

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0861	mg/L	1	0.100	86	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0856	mg/L	1	0.100	86	46.4 - 136.5

Sample: 93540 - MW-32

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27609	Date Analyzed: 2006-06-24	Analyzed By: KB
Prep Batch: 24213	Sample Preparation: 2006-06-24	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0897	mg/L	1	0.100	90	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0886	mg/L	1	0.100	89	46.4 - 136.5

Sample: 93541 - MW-8

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27609	Date Analyzed: 2006-06-24	Analyzed By: KB
Prep Batch: 24213	Sample Preparation: 2006-06-24	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00550	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00180	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0904	mg/L	1	0.100	90	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0903	mg/L	1	0.100	90	46.4 - 136.5

Sample: 93542 - MW-3

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27609	Date Analyzed: 2006-06-24	Analyzed By: KB
Prep Batch: 24213	Sample Preparation: 2006-06-24	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00280	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0872	mg/L	1	0.100	87	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0854	mg/L	1	0.100	85	46.4 - 136.5

Sample: 93543 - MW-7

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27609	Date Analyzed: 2006-06-24	Analyzed By: KB
Prep Batch: 24213	Sample Preparation: 2006-06-24	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00170	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00230	mg/L	1	0.00100
Xylene		0.00360	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0958	mg/L	1	0.100	96	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	46.4 - 136.5

Sample: 93544 - MW-6

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27609	Date Analyzed: 2006-06-24	Analyzed By: KB
Prep Batch: 24213	Sample Preparation: 2006-06-24	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00230	mg/L	1	0.00100

continued ...

sample 93544 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00270	mg/L	1	0.00100
Xylene		0.00350	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0952	mg/L	1	0.100	95	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0904	mg/L	1	0.100	90	46.4 - 136.5

Sample: 93545 - MW-16

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27609	Date Analyzed: 2006-06-24	Analyzed By: KB
Prep Batch: 24213	Sample Preparation: 2006-06-24	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0411	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0139	mg/L	1	0.00100
Xylene		0.00750	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0960	mg/L	1	0.100	96	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.106	mg/L	1	0.100	106	46.4 - 136.5

Sample: 93546 - MW-13

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0494	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0360	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0841	mg/L	1	0.100	84	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.120	mg/L	1	0.100	120	46.4 - 136.5

Sample: 93547 - MW-2

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27609	Date Analyzed: 2006-06-24	Analyzed By: KB
Prep Batch: 24213	Sample Preparation: 2006-06-24	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0722	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0543	mg/L	1	0.00100
Xylene		0.00250	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0809	mg/L	1	0.100	81	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.110	mg/L	1	0.100	110	46.4 - 136.5

Sample: 93548 - MW-1

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0556	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.0555	mg/L	5	0.00100
Xylene		0.0730	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.462	mg/L	5	0.100	92	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.444	mg/L	5	0.100	89	46.4 - 136.5

Sample: 93549 - MW-38

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0238	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.170	mg/L	1	0.00100
Xylene		0.0791	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0796	mg/L	1	0.100	80	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	46.4 - 136.5

Sample: 93550 - MW-26

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0850	mg/L	1	0.100	85	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0833	mg/L	1	0.100	83	46.4 - 136.5

Sample: 93551 - MW-10

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0845	mg/L	1	0.100	84	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0832	mg/L	1	0.100	83	46.4 - 136.5

Sample: 93552 - MW-14

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27606	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24211	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued...

sample 93552 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0847	mg/L	1	0.100	85	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0857	mg/L	1	0.100	86	46.4 - 136.5

Sample: 93553 - MW-15

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0838	mg/L	1	0.100	84	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0822	mg/L	1	0.100	82	46.4 - 136.5

Sample: 93554 - MW-23

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0843	mg/L	1	0.100	84	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0836	mg/L	1	0.100	84	46.4 - 136.5

Sample: 93555 - MW-24

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0867	mg/L	1	0.100	87	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0864	mg/L	1	0.100	86	46.4 - 136.5

Sample: 93556 - MW-27

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0854	mg/L	1	0.100	85	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0837	mg/L	1	0.100	84	46.4 - 136.5

Sample: 93557 - MW-28

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0852	mg/L	1	0.100	85	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0843	mg/L	1	0.100	84	46.4 - 136.5

Sample: 93558 - MW-31

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0838	mg/L	1	0.100	84	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0828	mg/L	1	0.100	83	46.4 - 136.5

Sample: 93559 - MW-33

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27606	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24211	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0853	mg/L	1	0.100	85	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0857	mg/L	1	0.100	86	46.4 - 136.5

Sample: 93560 - MW-37

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27606	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24211	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued...

sample 93560 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0870	mg/L	1	0.100	87	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0876	mg/L	1	0.100	88	46.4 - 136.5

Sample: 93561 - MW-5

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 27606	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24211	Sample Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.103	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.0804	mg/L	5	0.00100
Xylene		0.0694	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.452	mg/L	5	0.100	90	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.462	mg/L	5	0.100	92	46.4 - 136.5

Method Blank (1) QC Batch: 27605

QC Batch: 27605	Date Analyzed: 2006-06-23	Analyzed By: KB
Prep Batch: 24210	QC Preparation: 2006-06-23	Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000153	mg/L	0.001
Toluene		<0.000283	mg/L	0.001
Ethylbenzene		<0.000621	mg/L	0.001
Xylene		<0.000456	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0830	mg/L	1	0.100	83	77.4 - 109
4-Bromofluorobenzene (4-BFB)		0.0819	mg/L	1	0.100	82	63.8 - 118

Method Blank (1) QC Batch: 27606

QC Batch: 27606
Prep Batch: 24211

Date Analyzed: 2006-06-23
QC Preparation: 2006-06-23

Analyzed By: KB
Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000153	mg/L	0.001
Toluene		<0.000283	mg/L	0.001
Ethylbenzene		<0.000621	mg/L	0.001
Xylene		<0.000456	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0853	mg/L	1	0.100	85	77.4 - 109
4-Bromofluorobenzene (4-BFB)		0.0869	mg/L	1	0.100	87	63.8 - 118

Method Blank (1) QC Batch: 27609

QC Batch: 27609
Prep Batch: 24213

Date Analyzed: 2006-06-24
QC Preparation: 2006-06-24

Analyzed By: KB
Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000153	mg/L	0.001
Toluene		<0.000283	mg/L	0.001
Ethylbenzene		<0.000621	mg/L	0.001
Xylene		<0.000456	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0862	mg/L	1	0.100	86	77.4 - 109
4-Bromofluorobenzene (4-BFB)		0.0857	mg/L	1	0.100	86	63.8 - 118

Laboratory Control Spike (LCS-1)

QC Batch: 27605
Prep Batch: 24210

Date Analyzed: 2006-06-23
QC Preparation: 2006-06-23

Analyzed By: KB
Prepared By: KB

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0843	0.0864	mg/L	1	0.100	<0.000153	84	2	80 - 120	20
Toluene	0.0860	0.0874	mg/L	1	0.100	<0.000283	86	2	80 - 120	20
Ethylbenzene	0.0863	0.0866	mg/L	1	0.100	<0.000621	86	0	80 - 120	20
Xylene	0.258	0.258	mg/L	1	0.300	<0.000456	86	0	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0946	0.0889	mg/L	1	0.100	95	89	80 - 120

continued...

control spikes continued...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	0.0956	0.0901	mg/L	1	0.100	96	90	80 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 27606
Prep Batch: 24211

Date Analyzed: 2006-06-23
QC Preparation: 2006-06-23

Analyzed By: KB
Prepared By: KB

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0856	0.0872	mg/L	1	0.100	<0.000153	86	2	80 - 120	20
Toluene	0.0863	0.0878	mg/L	1	0.100	<0.000283	86	2	80 - 120	20
Ethylbenzene	0.0866	0.0886	mg/L	1	0.100	<0.000621	87	2	80 - 120	20
Xylene	0.259	0.267	mg/L	1	0.300	<0.000456	86	3	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0918	0.0962	mg/L	1	0.100	92	96	80 - 120
4-Bromofluorobenzene (4-BFB)	0.0930	0.0998	mg/L	1	0.100	93	100	80 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 27609
Prep Batch: 24213

Date Analyzed: 2006-06-24
QC Preparation: 2006-06-24

Analyzed By: KB
Prepared By: KB

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0916	0.0868	mg/L	1	0.100	<0.000153	92	5	80 - 120	20
Toluene	0.0921	0.0874	mg/L	1	0.100	<0.000283	92	5	80 - 120	20
Ethylbenzene	0.0917	0.0874	mg/L	1	0.100	<0.000621	92	5	80 - 120	20
Xylene	0.273	0.262	mg/L	1	0.300	<0.000456	91	4	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0929	0.0914	mg/L	1	0.100	93	91	80 - 120
4-Bromofluorobenzene (4-BFB)	0.0930	0.0921	mg/L	1	0.100	93	92	80 - 120

Matrix Spike (MS-1) Spiked Sample: 93563

QC Batch: 27605
Prep Batch: 24210

Date Analyzed: 2006-06-23
QC Preparation: 2006-06-23

Analyzed By: KB
Prepared By: KB

continued...

matrix spikes continued...

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	¹	0.0990	NA	mg/L	1	0.100	<0.000153	99	200	88.4 - 114	20
Toluene	²	0.0990	NA	mg/L	1	0.100	<0.000283	99	200	81.4 - 116	20
Ethylbenzene	³	0.0988	NA	mg/L	1	0.100	<0.000621	99	200	82.5 - 118	20
Xylene	⁴	0.294	NA	mg/L	1	0.300	<0.000456	98	200	77.9 - 117	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	⁵	0.0955	NA	mg/L	1	0.1	96	0	84 - 109
4-Bromofluorobenzene (4-BFB)	⁶	0.0953	NA	mg/L	1	0.1	95	0	74 - 120

Matrix Spike (MS-1) Spiked Sample: 93552

QC Batch: 27606
Prep Batch: 24211

Date Analyzed: 2006-06-23
QC Preparation: 2006-06-23

Analyzed By: KB
Prepared By: KB

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	⁷	0.0956	NA	mg/L	1	0.100	<0.000153	96	200	88.4 - 114	20
Toluene	⁸	0.0958	NA	mg/L	1	0.100	<0.000283	96	200	81.4 - 116	20
Ethylbenzene	⁹	0.0960	NA	mg/L	1	0.100	<0.000621	96	200	82.5 - 118	20
Xylene	¹⁰	0.286	NA	mg/L	1	0.300	<0.000456	95	200	77.9 - 117	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	¹¹	0.0921	NA	mg/L	1	0.1	92	0	84 - 109
4-Bromofluorobenzene (4-BFB)	¹²	0.0922	NA	mg/L	1	0.1	92	0	74 - 120

Standard (ICV-1)

QC Batch: 27605

Date Analyzed: 2006-06-23

Analyzed By: KB

¹RPD is out of range because a matrix spike duplicate was not prepared.
²RPD is out of range because a matrix spike duplicate was not prepared.
³RPD is out of range because a matrix spike duplicate was not prepared.
⁴RPD is out of range because a matrix spike duplicate was not prepared.
⁵RPD is out of range because a matrix spike duplicate was not prepared.
⁶RPD is out of range because a matrix spike duplicate was not prepared.
⁷RPD is out of range because a matrix spike duplicate was not prepared.
⁸RPD is out of range because a matrix spike duplicate was not prepared.
⁹RPD is out of range because a matrix spike duplicate was not prepared.
¹⁰RPD is out of range because a matrix spike duplicate was not prepared.
¹¹RPD is out of range because a matrix spike duplicate was not prepared.
¹²RPD is out of range because a matrix spike duplicate was not prepared.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0906	91	85 - 115	2006-06-23
Toluene		mg/L	0.100	0.0920	92	85 - 115	2006-06-23
Ethylbenzene		mg/L	0.100	0.0919	92	85 - 115	2006-06-23
Xylene		mg/L	0.300	0.274	91	85 - 115	2006-06-23

Standard (CCV-1)

QC Batch: 27605

Date Analyzed: 2006-06-23

Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0889	89	85 - 115	2006-06-23
Toluene		mg/L	0.100	0.0899	90	85 - 115	2006-06-23
Ethylbenzene		mg/L	0.100	0.0900	90	85 - 115	2006-06-23
Xylene		mg/L	0.300	0.268	89	85 - 115	2006-06-23

Standard (ICV-1)

QC Batch: 27606

Date Analyzed: 2006-06-23

Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0914	91	85 - 115	2006-06-23
Toluene		mg/L	0.100	0.0923	92	85 - 115	2006-06-23
Ethylbenzene		mg/L	0.100	0.0938	94	85 - 115	2006-06-23
Xylene		mg/L	0.300	0.284	95	85 - 115	2006-06-23

Standard (CCV-1)

QC Batch: 27606

Date Analyzed: 2006-06-23

Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0887	89	85 - 115	2006-06-23
Toluene		mg/L	0.100	0.0891	89	85 - 115	2006-06-23
Ethylbenzene		mg/L	0.100	0.0892	89	85 - 115	2006-06-23
Xylene		mg/L	0.300	0.266	89	85 - 115	2006-06-23

Standard (ICV-1)

QC Batch: 27609

Date Analyzed: 2006-06-24

Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0865	86	85 - 115	2006-06-24
Toluene		mg/L	0.100	0.0869	87	85 - 115	2006-06-24
Ethylbenzene		mg/L	0.100	0.0869	87	85 - 115	2006-06-24
Xylene		mg/L	0.300	0.260	87	85 - 115	2006-06-24

Standard (CCV-1)

QC Batch: 27609

Date Analyzed: 2006-06-24

Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0925	92	85 - 115	2006-06-24
Toluene		mg/L	0.100	0.0933	93	85 - 115	2006-06-24
Ethylbenzene		mg/L	0.100	0.0948	95	85 - 115	2006-06-24
Xylene		mg/L	0.300	0.283	94	85 - 115	2006-06-24

10/3

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TraceAnalysis, Inc.
155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 6062310

ANALYSIS REQUEST
(Circle or Specify Method No.)

Company Name: NOVA SAFETY ENVIRONMENTAL Phone #: 432-520-7720
Address: 2057 Commerce Midway TX 432-520-7701
Contact Person: CURT STANLEY E-mail: CSTANLEY@NOVAENVIRONMENTAL.COM
Invoice to: PLANS, HOUSTON TX
If different from above: PLANS, HOUSTON TX
Project #: TNM-LF-2000-7 Project Name: BOB DURHAM
Project Location (including state): MONUMENT, NM Sampler Signature: [Signature]

115 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING DATE	TIME	Turn Around Time if different from standard	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH				ICE
3550	MW26	2	var	X				X					6/26/06	1150	
51	MW10	1											930		
52	MW14	1											835		
53	MW15	1											829		
54	MW23	1											1015		
55	MW24	1											1030		
56	MW27	1											1115		
57	MW28	1											1000		
58	MW31	1											915		
59	MW33	1											845		
60	MW37	1											900		

Relinquished by: [Signature] Date: 6-26-06 Time: 1700

Relinquished by: [Signature] Date: 6-26-06 Time: 1700

Relinquished by: [Signature] Date: 6-26-06 Time: 1930

Received by: [Signature] Date: 6/26/06 Time: 1700

Received by: [Signature] Date: 6/26/06 Time: 1700

Received by: [Signature] Date: 6/26/06 Time: 1930

Remarks:

LAB USE ONLY

Intact: Y N

Headspace: Y N

Temp: 40

Log-in-Review: Y N

Carrier # 20147695

Submission of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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TraceAnalysis, Inc.
3701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
E-mail: lab@traceanalysis.com

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 6062310

ANALYSIS REQUEST
(Circle or Specify Method No.)

PAH 8270C / 625	TPH 8015 GRO / BRO / TVHC	TCMP Volatiles	TCMP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCBs 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard
☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒

LAB USE ONLY

Intact: ☒ / N

Headspace: ☒ / N

Temp: ☒ / N

Log-In-Review: ☒ / N

REMARKS:

LAB USE ONLY

LAB # 3561 **FIELD CODE** MWS

LAB USE ONLY

Company Name: NOVA SAFETY & ENVIRONMENTAL
Address: 2057 COMMERCE MIDLAND TX 79701
Contact Person: CURT STANLEY
Phone #: 432-520-7720
Fax #: 432-520-7701
E-mail: CStanley@NOVAENV.COM

Project Name: PLAINS, HOUSTON TX
Sampler Signature: BOB DURHAM

Project #: TNM-LF-2000-7
Project Location (including state): MONUMENT, NM

LAB #	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				DATE	TIME	
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE			NONE
3561	MWS	2	var	X			X						6/22/06	1745

Received by: Deland Kelton **Date:** 6/22/06 **Time:** 1700

Received by: Deland Kelton **Date:** 6/22/06 **Time:** 1700

Received at Laboratory by: Megan McLeod **Date:** 6/23/06 **Time:** 0955

Submission of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

30F3

37147695



6701 Aberdeen Avenue, Suite 9
155 McCutcheon, Suite H

Lubbock, Texas 79424
El Paso, Texas 79932

800•378•1296
888•588•3443

806•794•1296
915•585•3443

FAX 806•794•1298
FAX 915•585•4944

E-Mail lab@traceanalysis.com

Analytical and Quality Control Report

Todd Choban
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: September 19, 2006

Work Order: 6091226



Project Location: West of Monument, NM
Project Name: Bob Durham
Project Number: TNM-LF-2000-7

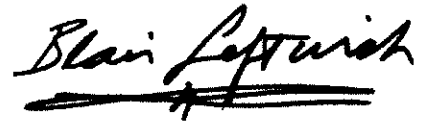
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
102791	MW-10	water	2006-09-07	10:00	2006-09-12
102792	MW-15	water	2006-09-07	11:00	2006-09-12
102793	MW-23	water	2006-09-07	12:00	2006-09-12
102794	MW-26	water	2006-09-07	13:00	2006-09-12
102795	MW-28	water	2006-09-07	13:30	2006-09-12
102796	MW-31	water	2006-09-07	13:50	2006-09-12
102797	MW-33	water	2006-09-07	14:00	2006-09-12
102798	MW-37	water	2006-09-07	14:15	2006-09-12
102799	MW-9	water	2006-09-07	14:30	2006-09-12
102800	MW-32	water	2006-09-07	15:00	2006-09-12
102801	MW-3	water	2006-09-07	15:15	2006-09-12
102802	MW-8	water	2006-09-07	15:30	2006-09-12
102803	MW-7	water	2006-09-07	15:45	2006-09-12
102804	MW-6	water	2006-09-07	16:00	2006-09-12
102805	MW-16	water	2006-09-07	16:15	2006-09-12
102806	MW-13	water	2006-09-07	16:30	2006-09-12
102807	MW-2	water	2006-09-07	16:45	2006-09-12
102808	MW-1	water	2006-09-07	17:00	2006-09-12
102809	MW-5	water	2006-09-07	17:15	2006-09-12
102810	MW-38	water	2006-09-07	17:30	2006-09-12

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis,

Inc.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a prominent horizontal line underneath the name.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 102791 - MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30087	Date Analyzed:	2006-09-15	Analyzed By:	KB
Prep Batch:	26223	Sample Preparation:	2006-09-15	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0449	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0524	mg/L	1	0.00100
Xylene		0.0627	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0950	mg/L	1	0.100	95	46.4 - 136.5

Sample: 102792 - MW-15

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30105	Date Analyzed:	2006-09-18	Analyzed By:	MT
Prep Batch:	26241	Sample Preparation:	2006-09-18	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00170	mg/L	1	0.00100
Xylene		0.00150	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.110	mg/L	1	0.100	110	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0967	mg/L	1	0.100	97	70 - 130

Sample: 102793 - MW-23

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30105	Date Analyzed:	2006-09-18	Analyzed By:	MT
Prep Batch:	26241	Sample Preparation:	2006-09-18	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0969	mg/L	1	0.100	97	70 - 130

Sample: 102794 - MW-26

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 30087 Date Analyzed: 2006-09-15 Analyzed By: KB
Prep Batch: 26223 Sample Preparation: 2006-09-15 Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0821	mg/L	1	0.100	82	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0700	mg/L	1	0.100	70	46.4 - 136.5

Sample: 102795 - MW-28

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 30087 Date Analyzed: 2006-09-15 Analyzed By: KB
Prep Batch: 26223 Sample Preparation: 2006-09-15 Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	1	0.0757	mg/L	1	0.100	76	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0663	mg/L	1	0.100	66	46.4 - 136.5

Sample: 102796 - MW-31

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 30087 Date Analyzed: 2006-09-15 Analyzed By: KB
Prep Batch: 26223 Sample Preparation: 2006-09-15 Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

¹ TFT surrogate recovery outside normal limits. BFB surrogate recovery shows the method to be in control.

continued ...

sample 102796 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	²	0.0775	mg/L	1	0.100	78	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0657	mg/L	1	0.100	66	46.4 - 136.5

Sample: 102797 - MW-33

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 30087	Date Analyzed: 2006-09-15	Analyzed By: KB
Prep Batch: 26223	Sample Preparation: 2006-09-15	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	³	0.0776	mg/L	1	0.100	78	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0648	mg/L	1	0.100	65	46.4 - 136.5

Sample: 102798 - MW-37

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 30087	Date Analyzed: 2006-09-15	Analyzed By: KB
Prep Batch: 26223	Sample Preparation: 2006-09-15	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00580	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00380	mg/L	1	0.00100
Xylene		0.0135	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0841	mg/L	1	0.100	84	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0779	mg/L	1	0.100	78	46.4 - 136.5

²TFT surrogate recovery outside normal limits. BFB surrogate recovery shows the method to be in control.

³TFT surrogate recovery outside normal limits. BFB surrogate recovery shows the method to be in control.

Sample: 102799 - MW-9

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 30087	Date Analyzed: 2006-09-15	Analyzed By: KB
Prep Batch: 26223	Sample Preparation: 2006-09-15	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	4	0.0767	mg/L	1	0.100	77	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0633	mg/L	1	0.100	63	46.4 - 136.5

Sample: 102800 - MW-32

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 30105	Date Analyzed: 2006-09-18	Analyzed By: MT
Prep Batch: 26241	Sample Preparation: 2006-09-18	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00980	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00860	mg/L	1	0.00100
Xylene		0.0165	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.103	mg/L	1	0.100	103	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0984	mg/L	1	0.100	98	70 - 130

Sample: 102801 - MW-3

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 30105	Date Analyzed: 2006-09-18	Analyzed By: MT
Prep Batch: 26241	Sample Preparation: 2006-09-18	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00910	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0101	mg/L	1	0.00100
Xylene		0.0104	mg/L	1	0.00100

⁴TFT surrogate recovery outside normal limits. BFB surrogate recovery shows the method to be in control.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0897	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0907	mg/L	1	0.100	91	70 - 130

Sample: 102802 - MW-8

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 30105 Date Analyzed: 2006-09-18 Analyzed By: MT
Prep Batch: 26241 Sample Preparation: 2006-09-18 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00190	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00260	mg/L	1	0.00100
Xylene		0.0110	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0925	mg/L	1	0.100	92	70 - 130

Sample: 102803 - MW-7

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 30105 Date Analyzed: 2006-09-18 Analyzed By: MT
Prep Batch: 26241 Sample Preparation: 2006-09-18 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00390	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00660	mg/L	1	0.00100
Xylene		0.00780	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0941	mg/L	1	0.100	94	70 - 130

Sample: 102804 - MW-6

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 30105 Date Analyzed: 2006-09-18 Analyzed By: MT
Prep Batch: 26241 Sample Preparation: 2006-09-18 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0118	mg/L	1	0.00100

continued...

sample 102804 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0420	mg/L	1	0.00100
Xylene		0.0717	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0894	mg/L	1	0.100	89	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0987	mg/L	1	0.100	99	70 - 130

Sample: 102805 - MW-16

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 30105	Date Analyzed: 2006-09-18	Analyzed By: MT
Prep Batch: 26241	Sample Preparation: 2006-09-18	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0230	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0326	mg/L	1	0.00100
Xylene		0.0307	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0998	mg/L	1	0.100	100	70 - 130

Sample: 102806 - MW-13

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 30105	Date Analyzed: 2006-09-18	Analyzed By: MT
Prep Batch: 26241	Sample Preparation: 2006-09-18	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00620	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00230	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0991	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0947	mg/L	1	0.100	95	70 - 130

Sample: 102807 - MW-2

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 30105	Date Analyzed: 2006-09-18	Analyzed By: MT
Prep Batch: 26241	Sample Preparation: 2006-09-18	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0369	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0156	mg/L	1	0.00100
Xylene		0.0141	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.103	mg/L	1	0.100	103	70 - 130
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	70 - 130

Sample: 102808 - MW-1

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 30105	Date Analyzed: 2006-09-18	Analyzed By: MT
Prep Batch: 26241	Sample Preparation: 2006-09-18	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0429	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0394	mg/L	1	0.00100
Xylene		0.116	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0897	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0966	mg/L	1	0.100	97	70 - 130

Sample: 102809 - MW-5

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 30105	Date Analyzed: 2006-09-18	Analyzed By: MT
Prep Batch: 26241	Sample Preparation: 2006-09-18	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00570	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0145	mg/L	1	0.00100
Xylene		0.0262	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0937	mg/L	1	0.100	94	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0969	mg/L	1	0.100	97	70 - 130

Sample: 102810 - MW-38

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 30084 Date Analyzed: 2006-09-15 Analyzed By: KB
Prep Batch: 26219 Sample Preparation: 2006-09-15 Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0230	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0280	mg/L	1	0.00100
Xylene		0.0512	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0981	mg/L	1	0.100	98	70 - 130

Method Blank (1) QC Batch: 30084

QC Batch: 30084 Date Analyzed: 2006-09-15 Analyzed By: KB
Prep Batch: 26219 QC Preparation: 2006-09-15 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000305	mg/L	0.001
Toluene		<0.000497	mg/L	0.001
Ethylbenzene		<0.000294	mg/L	0.001
Xylene		<0.000348	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0968	mg/L	1	0.100	97	81.4 - 109
4-Bromofluorobenzene (4-BFB)		0.0806	mg/L	1	0.100	81	57.1 - 113

Method Blank (1) QC Batch: 30087

QC Batch: 30087 Date Analyzed: 2006-09-15 Analyzed By: KB
Prep Batch: 26223 QC Preparation: 2006-09-15 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000153	mg/L	0.001
Toluene		<0.000283	mg/L	0.001
Ethylbenzene		<0.000621	mg/L	0.001

continued...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Xylene		<0.000456	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0784	mg/L	1	0.100	78	72.5 - 101
4-Bromofluorobenzene (4-BFB)		0.0703	mg/L	1	0.100	70	52.9 - 106

Method Blank (1) QC Batch: 30105

QC Batch: 30105
Prep Batch: 26241

Date Analyzed: 2006-09-18
QC Preparation: 2006-09-18

Analyzed By: MT
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000305	mg/L	0.001
Toluene		<0.000497	mg/L	0.001
Ethylbenzene		<0.000294	mg/L	0.001
Xylene		<0.000348	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0970	mg/L	1	0.100	97	81.4 - 109
4-Bromofluorobenzene (4-BFB)		0.0825	mg/L	1	0.100	82	57.1 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 30084
Prep Batch: 26219

Date Analyzed: 2006-09-15
QC Preparation: 2006-09-15

Analyzed By: KB
Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0869	mg/L	1	0.100	<0.000305	87	80 - 120
Toluene	0.0931	mg/L	1	0.100	<0.000497	93	80 - 120
Ethylbenzene	0.0950	mg/L	1	0.100	<0.000294	95	80 - 120
Xylene	0.272	mg/L	1	0.300	<0.000348	91	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0926	mg/L	1	0.100	<0.000305	87	80 - 120	6	20
Toluene	0.0974	mg/L	1	0.100	<0.000497	93	80 - 120	4	20
Ethylbenzene	0.0995	mg/L	1	0.100	<0.000294	95	80 - 120	5	20
Xylene	0.286	mg/L	1	0.300	<0.000348	91	80 - 120	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued . . .

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0955	0.100	mg/L	1	0.100	96	100	80 - 120
4-Bromofluorobenzene (4-BFB)	0.0900	0.0950	mg/L	1	0.100	90	95	80 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 30087
Prep Batch: 26223

Date Analyzed: 2006-09-15
QC Preparation: 2006-09-15

Analyzed By: KB
Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0897	mg/L	1	0.100	<0.000153	90	77.5 - 112
Toluene	0.0876	mg/L	1	0.100	<0.000283	88	75.6 - 115
Ethylbenzene	0.0865	mg/L	1	0.100	<0.000621	86	72.5 - 121
Xylene	0.263	mg/L	1	0.300	<0.000456	88	69.4 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0921	mg/L	1	0.100	<0.000153	90	77.5 - 112	3	20
Toluene	0.0903	mg/L	1	0.100	<0.000283	88	75.6 - 115	3	20
Ethylbenzene	0.0892	mg/L	1	0.100	<0.000621	86	72.5 - 121	3	20
Xylene	0.271	mg/L	1	0.300	<0.000456	88	69.4 - 127	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0900	0.0927	mg/L	1	0.100	90	93	78.8 - 111
4-Bromofluorobenzene (4-BFB)	0.0899	0.0922	mg/L	1	0.100	90	92	71.7 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 30105
Prep Batch: 26241

Date Analyzed: 2006-09-18
QC Preparation: 2006-09-18

Analyzed By: MT
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0894	mg/L	1	0.100	<0.000305	89	80 - 120
Toluene	0.0924	mg/L	1	0.100	<0.000497	92	80 - 120
Ethylbenzene	0.0972	mg/L	1	0.100	<0.000294	97	80 - 120
Xylene	0.280	mg/L	1	0.300	<0.000348	93	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued . . .

control spikes continued...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0859	mg/L	1	0.100	<0.000305	89	80 - 120	4	20
Toluene	0.0903	mg/L	1	0.100	<0.000497	92	80 - 120	2	20
Ethylbenzene	0.0958	mg/L	1	0.100	<0.000294	97	80 - 120	1	20
Xylene	0.276	mg/L	1	0.300	<0.000348	93	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0983	0.0972	mg/L	1	0.100	98	97	80 - 120
4-Bromofluorobenzene (4-BFB)	0.0951	0.0947	mg/L	1	0.100	95	95	80 - 120

Matrix Spike (MS-1) Spiked Sample: 103267

QC Batch: 30084
Prep Batch: 26219

Date Analyzed: 2006-09-15
QC Preparation: 2006-09-15

Analyzed By: KB
Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0858	mg/L	1	0.100	<0.000305	86	80.8 - 117
Toluene	0.0919	mg/L	1	0.100	<0.000497	92	85 - 113
Ethylbenzene	0.0943	mg/L	1	0.100	<0.000294	94	80.5 - 112
Xylene	0.266	mg/L	1	0.300	<0.000348	89	83.8 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	⁵ NA	mg/L	1	0.100	<0.000305	0	80.8 - 117	200	20
Toluene	⁶ NA	mg/L	1	0.100	<0.000497	0	85 - 113	200	20
Ethylbenzene	⁷ NA	mg/L	1	0.100	<0.000294	0	80.5 - 112	200	20
Xylene	⁸ NA	mg/L	1	0.300	<0.000348	0	83.8 - 109	200	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	⁹ 0.0948	NA	mg/L	1	0.1	95	0	85 - 114
4-Bromofluorobenzene (4-BFB)	¹⁰ 0.0919	NA	mg/L	1	0.1	92	0	90.8 - 120

⁵RPD is out of range because a matrix spike duplicate was not prepared.

⁶RPD is out of range because a matrix spike duplicate was not prepared.

⁷RPD is out of range because a matrix spike duplicate was not prepared.

⁸RPD is out of range because a matrix spike duplicate was not prepared.

⁹RPD is out of range because a matrix spike duplicate was not prepared.

¹⁰RPD is out of range because a matrix spike duplicate was not prepared.

Matrix Spike (MS-1) Spiked Sample: 102791

QC Batch: 30087
Prep Batch: 26223

Date Analyzed: 2006-09-15
QC Preparation: 2006-09-15

Analyzed By: KB
Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.147	mg/L	1	0.100	0.0449	102	88.4 - 114
Toluene	0.0948	mg/L	1	0.100	<0.000283	95	81.4 - 116
Ethylbenzene	0.128	mg/L	1	0.100	0.0524	76	82.5 - 118
Xylene	0.346	mg/L	1	0.300	0.0627	94	77.9 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	NA	mg/L	1	0.100	0.0449	0	88.4 - 114	200	20
Toluene	NA	mg/L	1	0.100	<0.000283	0	81.4 - 116	200	20
Ethylbenzene	NA	mg/L	1	0.100	0.0524	0	82.5 - 118	200	20
Xylene	NA	mg/L	1	0.300	0.0627	0	77.9 - 117	200	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.107	NA	mg/L	1	0.1	107	0	84 - 109
4-Bromofluorobenzene (4-BFB)	0.0995	NA	mg/L	1	0.1	100	0	74 - 120

Standard (ICV-1)

QC Batch: 30084

Date Analyzed: 2006-09-15

Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0890	89	85 - 115	2006-09-15
Toluene		mg/L	0.100	0.0939	94	85 - 115	2006-09-15
Ethylbenzene		mg/L	0.100	0.0970	97	85 - 115	2006-09-15
Xylene		mg/L	0.300	0.279	93	85 - 115	2006-09-15

Standard (CCV-1)

QC Batch: 30084

Date Analyzed: 2006-09-15

Analyzed By: KB

¹¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

¹²RPD is out of range because a matrix spike duplicate was not prepared.

¹³RPD is out of range because a matrix spike duplicate was not prepared.

¹⁴RPD is out of range because a matrix spike duplicate was not prepared.

¹⁵RPD is out of range because a matrix spike duplicate was not prepared.

¹⁶RPD is out of range because a matrix spike duplicate was not prepared.

¹⁷RPD is out of range because a matrix spike duplicate was not prepared.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0901	90	85 - 115	2006-09-15
Toluene		mg/L	0.100	0.0952	95	85 - 115	2006-09-15
Ethylbenzene		mg/L	0.100	0.0983	98	85 - 115	2006-09-15
Xylene		mg/L	0.300	0.283	94	85 - 115	2006-09-15

Standard (ICV-1)

QC Batch: 30087

Date Analyzed: 2006-09-15

Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0928	93	85 - 115	2006-09-15
Toluene		mg/L	0.100	0.0908	91	85 - 115	2006-09-15
Ethylbenzene		mg/L	0.100	0.0898	90	85 - 115	2006-09-15
Xylene		mg/L	0.300	0.273	91	85 - 115	2006-09-15

Standard (CCV-1)

QC Batch: 30087

Date Analyzed: 2006-09-15

Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0919	92	85 - 115	2006-09-15
Toluene		mg/L	0.100	0.0900	90	85 - 115	2006-09-15
Ethylbenzene		mg/L	0.100	0.0885	88	85 - 115	2006-09-15
Xylene		mg/L	0.300	0.268	89	85 - 115	2006-09-15

Standard (ICV-1)

QC Batch: 30105

Date Analyzed: 2006-09-18

Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0877	88	85 - 115	2006-09-18
Toluene		mg/L	0.100	0.0899	90	85 - 115	2006-09-18
Ethylbenzene		mg/L	0.100	0.0951	95	85 - 115	2006-09-18
Xylene		mg/L	0.300	0.273	91	85 - 115	2006-09-18

Standard (CCV-1)

QC Batch: 30105

Date Analyzed: 2006-09-18

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0892	89	85 - 115	2006-09-18
Toluene		mg/L	0.100	0.0945	94	85 - 115	2006-09-18
Ethylbenzene		mg/L	0.100	0.0982	98	85 - 115	2006-09-18
Xylene		mg/L	0.300	0.283	94	85 - 115	2006-09-18

7601 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296
email: lab@traceanalysis.com

Company Name:
Nova Safety & Environmental
(Street, City, Zip)
2057 Commerce Dr. Midland TX 79703
Contact Person:
Todd Choban

Phone #:
432-620-7720
Fax #:
432-520-7701
E-mail:

TraceAnalysis, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #
00912216

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB #
LAB USE ONLY

FIELD CODE

CONTAINERS

VOLUME / AMOUNT

MATRIX

PRESERVATIVE METHOD

DATE

TIME

102-791
102-792
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MTBE 8021B / 602 / 8260B / 624
BTEX 6021B / 602 / 8260B / 624
TPH 418 / 1000 / 1000 (K1005 EXH35)
PAH 8270C / 625
TPH 8015 GRO / DRO / TVHC
GC/MS Vol. 8260B / 624
GC/MS Sem. Vol. 8270C / 625
PCBs 8082 / 608
Pesticides 8081A / 608
BOD, TSS, pH
Moisture Content

Hold

Turn Around Time if different from standard

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REMARKS:

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TraceAnalysis, Inc.
155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
E-mail: lab@traceanalysis.com

Company Name: NOVA Safety & Environment
Address: (Street, City, Zip)
2057 Commerce Dr. Midland TX 79703
Contact Person: Todd Enobar
Phone #: 432-520-7720
Fax #: 432-520-7701
E-mail:

Invoice to:
Project #: THM-LF-2000-7
Project Name: Bob Durham
Project Location (including state): Westfield

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 6091226

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	VOLUME / AMOUNT	MATRIX	PRESERVATIVE METHOD	SAMPLING DATE	SAMPLING TIME	Turn Around Time if different from standard
102802	mw8	2	WA	WATER	HCl	9-28-06	1530	
102803	mw7				NaOH		1545	
102804	mw6				H ₂ SO ₄		1600	
102805	mw16				HNO ₃		1615	
102806	mw13				ICE		1630	
102807	mw2				NONE		1645	
102808	mw1						1700	
102809	mw5						1715	
102810	mw38						1730	

REMARKS:

LAB USE ONLY

Intact: Y / N
Headspace: Y / N
Temp: 4 °C
Log in-Review:

Carrier # Carry-in

Submission of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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6701 Aberdeen Avenue, Suite 9
155 McCutcheon, Suite H

Lubbock, Texas 79424
El Paso, Texas 79932

800•378•1296
888•588•3443
E-Mail lab@traceanalysis.com

806•794•1296
915•585•3443

FAX 806•794•1298
FAX 915•585•4944

Analytical and Quality Control Report

Jennifer Lange
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: November 28, 2006

Work Order: 6112007



Project Location: Monument
Project Name: Bob Durham
Project Number: Bob Durham

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
109411	MW9	water	2006-11-16	13:00	2006-11-20
109412	MW15	water	2006-11-17	14:50	2006-11-20
109413	MW8	water	2006-11-17	13:20	2006-11-20
109414	MW7	water	2006-11-17	12:45	2006-11-20
109415	MW37	water	2006-11-17	14:15	2006-11-20
109416	MW3	water	2006-11-17	11:35	2006-11-20
109417	MW32	water	2006-11-17	14:30	2006-11-20
109418	MW5	water	2006-11-17	12:35	2006-11-20
109419	MW13	water	2006-11-17	14:40	2006-11-20
109420	MW16	water	2006-11-17	13:00	2006-11-20
109421	MW38	water	2006-11-17	14:10	2006-11-20
109422	MW6	water	2006-11-17	11:20	2006-11-20
109423	MW10	water	2006-11-17	15:15	2006-11-20
109424	MW1	water	2006-11-17	13:35	2006-11-20
109425	MW11	water	2006-11-16	12:00	2006-11-20
109426	MW14	water	2006-11-16	12:10	2006-11-20
109427	MW20	water	2006-11-17	10:35	2006-11-20
109428	MW21	water	2006-11-17	10:50	2006-11-20
109429	MW23	water	2006-11-16	11:05	2006-11-20
109430	MW24	water	2006-11-17	11:05	2006-11-20
109431	MW25	water	2006-11-16	11:05	2006-11-20
109432	MW26	water	2006-11-17	10:20	2006-11-20
109433	MW27	water	2006-11-17	09:50	2006-11-20
109434	MW28	water	2006-11-16	13:35	2006-11-20

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
109435	MW29	water	2006-11-17	15:00	2006-11-20
109436	MW30	water	2006-11-16	13:10	2006-11-20
109437	MW31	water	2006-11-17	14:00	2006-11-20
109438	MW33	water	2006-11-16	12:20	2006-11-20
109439	MW2	water	2006-11-17	12:15	2006-11-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 20 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 109411 - MW9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	32151	Date Analyzed:	2006-11-20	Analyzed By:	LO
Prep Batch:	28006	Sample Preparation:	2006-11-20	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0910	mg/L	1	0.100	91	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0925	mg/L	1	0.100	92	70 - 130

Sample: 109412 - MW15

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	32151	Date Analyzed:	2006-11-20	Analyzed By:	LO
Prep Batch:	28006	Sample Preparation:	2006-11-20	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0901	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0914	mg/L	1	0.100	91	70 - 130

Sample: 109413 - MW8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	32151	Date Analyzed:	2006-11-20	Analyzed By:	LO
Prep Batch:	28006	Sample Preparation:	2006-11-20	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00210	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0965	mg/L	1	0.100	96	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0917	mg/L	1	0.100	92	70 - 130

Sample: 109414 - MW7

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32151	Date Analyzed: 2006-11-20	Analyzed By: LO
Prep Batch: 28006	Sample Preparation: 2006-11-20	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00110	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00250	mg/L	1	0.00100
Xylene		0.00460	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0926	mg/L	1	0.100	93	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0953	mg/L	1	0.100	95	70 - 130

Sample: 109415 - MW37

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32151	Date Analyzed: 2006-11-20	Analyzed By: LO
Prep Batch: 28006	Sample Preparation: 2006-11-20	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00430	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00390	mg/L	1	0.00100
Xylene		0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0890	mg/L	1	0.100	89	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0976	mg/L	1	0.100	98	70 - 130

Sample: 109416 - MW3

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32151	Date Analyzed: 2006-11-20	Analyzed By: LO
Prep Batch: 28006	Sample Preparation: 2006-11-20	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00400	mg/L	1	0.00100

continued...

sample 109416 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00420	mg/L	1	0.00100
Xylene		0.00400	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0792	mg/L	1	0.100	79	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0937	mg/L	1	0.100	94	70 - 130

Sample: 109417 - MW32

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32287	Date Analyzed: 2006-11-22	Analyzed By: LO
Prep Batch: 28115	Sample Preparation: 2006-11-22	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00680	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00280	mg/L	1	0.00100
Xylene		0.00290	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0905	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0898	mg/L	1	0.100	90	70 - 130

Sample: 109418 - MW5

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32151	Date Analyzed: 2006-11-20	Analyzed By: LO
Prep Batch: 28006	Sample Preparation: 2006-11-20	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00690	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00360	mg/L	1	0.00100
Xylene		0.00270	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0904	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0982	mg/L	1	0.100	98	70 - 130

Sample: 109419 - MW13

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32287	Date Analyzed: 2006-11-22	Analyzed By: LO
Prep Batch: 28115	Sample Preparation: 2006-11-22	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00580	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00230	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0870	mg/L	1	0.100	87	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0943	mg/L	1	0.100	94	70 - 130

Sample: 109420 - MW16

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32151	Date Analyzed: 2006-11-20	Analyzed By: LO
Prep Batch: 28006	Sample Preparation: 2006-11-20	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00840	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00580	mg/L	1	0.00100
Xylene		0.00610	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0903	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	70 - 130

Sample: 109421 - MW38

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32151	Date Analyzed: 2006-11-20	Analyzed By: LO
Prep Batch: 28006	Sample Preparation: 2006-11-20	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0145	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0348	mg/L	1	0.00100
Xylene		0.00220	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0926	mg/L	1	0.100	93	70 - 130
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	70 - 130

Sample: 109422 - MW6

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32151	Date Analyzed: 2006-11-20	Analyzed By: LO
Prep Batch: 28006	Sample Preparation: 2006-11-20	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00630	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0110	mg/L	1	0.00100
Xylene		0.0161	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0902	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0960	mg/L	1	0.100	96	70 - 130

Sample: 109423 - MW10

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32151	Date Analyzed: 2006-11-20	Analyzed By: LO
Prep Batch: 28006	Sample Preparation: 2006-11-20	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00660	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00480	mg/L	1	0.00100
Xylene		0.00130	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0918	mg/L	1	0.100	92	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0957	mg/L	1	0.100	96	70 - 130

Sample: 109424 - MW1

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32151	Date Analyzed: 2006-11-20	Analyzed By: LO
Prep Batch: 28006	Sample Preparation: 2006-11-20	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0427	mg/L	1	0.00100

continued ...

sample 109424 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0729	mg/L	1	0.00100
Xylene		0.112	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0811	mg/L	1	0.100	81	70 - 130
4-Bromofluorobenzene (4-BFB)		0.111	mg/L	1	0.100	111	70 - 130

Sample: 109425 - MW11

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32151	Date Analyzed: 2006-11-20	Analyzed By: LO
Prep Batch: 28006	Sample Preparation: 2006-11-20	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0901	mg/L	1	0.100	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0906	mg/L	1	0.100	91	70 - 130

Sample: 109426 - MW14

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32287	Date Analyzed: 2006-11-22	Analyzed By: LO
Prep Batch: 28115	Sample Preparation: 2006-11-22	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00120	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0867	mg/L	1	0.100	87	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0861	mg/L	1	0.100	86	70 - 130

Sample: 109427 - MW20

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 32287 Date Analyzed: 2006-11-22 Analyzed By: LO
Prep Batch: 28115 Sample Preparation: 2006-11-22 Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0855	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0877	mg/L	1	0.100	88	70 - 130

Sample: 109428 - MW21

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 32287 Date Analyzed: 2006-11-22 Analyzed By: LO
Prep Batch: 28115 Sample Preparation: 2006-11-22 Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0863	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0873	mg/L	1	0.100	87	70 - 130

Sample: 109429 - MW23

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 32287 Date Analyzed: 2006-11-22 Analyzed By: LO
Prep Batch: 28115 Sample Preparation: 2006-11-22 Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0863	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0870	mg/L	1	0.100	87	70 - 130

Sample: 109430 - MW24

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32287	Date Analyzed: 2006-11-22	Analyzed By: LO
Prep Batch: 28115	Sample Preparation: 2006-11-22	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0869	mg/L	1	0.100	87	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0864	mg/L	1	0.100	86	70 - 130

Sample: 109431 - MW25

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32287	Date Analyzed: 2006-11-22	Analyzed By: LO
Prep Batch: 28115	Sample Preparation: 2006-11-22	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0860	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0865	mg/L	1	0.100	86	70 - 130

Sample: 109432 - MW26

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32287	Date Analyzed: 2006-11-22	Analyzed By: LO
Prep Batch: 28115	Sample Preparation: 2006-11-22	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 109432 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0874	mg/L	1	0.100	87	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0869	mg/L	1	0.100	87	70 - 130

Sample: 109433 - MW27

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32287	Date Analyzed: 2006-11-22	Analyzed By: LO
Prep Batch: 28115	Sample Preparation: 2006-11-22	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0871	mg/L	1	0.100	87	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0860	mg/L	1	0.100	86	70 - 130

Sample: 109434 - MW28

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 32287	Date Analyzed: 2006-11-22	Analyzed By: LO
Prep Batch: 28115	Sample Preparation: 2006-11-22	Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0875	mg/L	1	0.100	88	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0862	mg/L	1	0.100	86	70 - 130

Sample: 109435 - MW29

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	32287	Date Analyzed:	2006-11-22	Analyzed By:	LO
Prep Batch:	28115	Sample Preparation:	2006-11-22	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0862	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0858	mg/L	1	0.100	86	70 - 130

Sample: 109436 - MW30

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	32287	Date Analyzed:	2006-11-22	Analyzed By:	LO
Prep Batch:	28115	Sample Preparation:	2006-11-22	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0876	mg/L	1	0.100	88	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0860	mg/L	1	0.100	86	70 - 130

Sample: 109437 - MW31

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	32287	Date Analyzed:	2006-11-22	Analyzed By:	LO
Prep Batch:	28115	Sample Preparation:	2006-11-22	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Report Date: November 28, 2006
Bob Durham

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Bob Durham

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Monument

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0868	mg/L	1	0.100	87	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0855	mg/L	1	0.100	86	70 - 130

Sample: 109438 - MW33

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 32289 Date Analyzed: 2006-11-22 Analyzed By: LO
Prep Batch: 28116 Sample Preparation: Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0839	mg/L	1	0.100	84	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0834	mg/L	1	0.100	83	70 - 130

Sample: 109439 - MW2

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 32289 Date Analyzed: 2006-11-22 Analyzed By: LO
Prep Batch: 28116 Sample Preparation: Prepared By: LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0263	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00840	mg/L	1	0.00100
Xylene		0.00460	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0862	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.104	mg/L	1	0.100	104	70 - 130

Method Blank (1) QC Batch: 32151

QC Batch: 32151 Date Analyzed: 2006-11-20 Analyzed By: LO
Prep Batch: 28006 QC Preparation: 2006-11-20 Prepared By: LO

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000100	mg/L	0.001

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		0.000400	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0927	mg/L	1	0.100	93	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0885	mg/L	1	0.100	88	70 - 130

Method Blank (1) QC Batch: 32287

QC Batch: 32287 Date Analyzed: 2006-11-22 Analyzed By: LO
Prep Batch: 28115 QC Preparation: 2006-11-22 Prepared By: LO

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000100	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		0.000700	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0859	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0867	mg/L	1	0.100	87	70 - 130

Method Blank (1) QC Batch: 32289

QC Batch: 32289 Date Analyzed: 2006-11-22 Analyzed By: LO
Prep Batch: 28116 QC Preparation: 2006-11-22 Prepared By: LO

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000100	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000400	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0861	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0842	mg/L	1	0.100	84	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 32151 Date Analyzed: 2006-11-20 Analyzed By: LO
Prep Batch: 28006 QC Preparation: 2006-11-20 Prepared By: LO

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0994	mg/L	1	0.100	<0.000200	99	70 - 130
Toluene	0.0989	mg/L	1	0.100	<0.000100	99	70 - 130
Ethylbenzene	0.101	mg/L	1	0.100	<0.000200	101	70 - 130
Xylene	0.307	mg/L	1	0.300	<0.000400	102	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.100	mg/L	1	0.100	<0.000200	100	70 - 130	1	20
Toluene	0.100	mg/L	1	0.100	<0.000100	100	70 - 130	1	20
Ethylbenzene	0.101	mg/L	1	0.100	<0.000200	101	70 - 130	0	20
Xylene	0.306	mg/L	1	0.300	<0.000400	102	70 - 130	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0913	0.0910	mg/L	1	0.100	91	91	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0988	0.0983	mg/L	1	0.100	99	98	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 32287
Prep Batch: 28115

Date Analyzed: 2006-11-22
QC Preparation: 2006-11-22

Analyzed By: LO
Prepared By: LO

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0957	mg/L	1	0.100	<0.000200	96	70 - 130
Toluene	0.0952	mg/L	1	0.100	<0.000100	95	70 - 130
Ethylbenzene	0.0951	mg/L	1	0.100	<0.000200	95	70 - 130
Xylene	0.288	mg/L	1	0.300	<0.000400	96	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0949	mg/L	1	0.100	<0.000200	95	70 - 130	1	20
Toluene	0.0950	mg/L	1	0.100	<0.000100	95	70 - 130	0	20
Ethylbenzene	0.0950	mg/L	1	0.100	<0.000200	95	70 - 130	0	20
Xylene	0.288	mg/L	1	0.300	<0.000400	96	70 - 130	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0867	0.0872	mg/L	1	0.100	87	87	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0936	0.0932	mg/L	1	0.100	94	93	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 32289
Prep Batch: 28116

Date Analyzed: 2006-11-22
QC Preparation: 2006-11-22

Analyzed By: LO
Prepared By: LO

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0932	mg/L	1	0.100	<0.000200	93	70 - 130
Toluene	0.0932	mg/L	1	0.100	<0.000100	93	70 - 130
Ethylbenzene	0.0938	mg/L	1	0.100	<0.000200	94	70 - 130
Xylene	0.284	mg/L	1	0.300	<0.000400	95	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0945	mg/L	1	0.100	<0.000200	94	70 - 130	1	20
Toluene	0.0952	mg/L	1	0.100	<0.000100	95	70 - 130	2	20
Ethylbenzene	0.0957	mg/L	1	0.100	<0.000200	96	70 - 130	2	20
Xylene	0.290	mg/L	1	0.300	<0.000400	97	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0850	0.0853	mg/L	1	0.100	85	85	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0929	0.0927	mg/L	1	0.100	93	93	70 - 130

Standard (ICV-1)

QC Batch: 32151

Date Analyzed: 2006-11-20

Analyzed By: LO

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0985	98	85 - 115	2006-11-20
Toluene		mg/L	0.100	0.0974	97	85 - 115	2006-11-20
Ethylbenzene		mg/L	0.100	0.0997	100	85 - 115	2006-11-20
Xylene		mg/L	0.300	0.302	101	85 - 115	2006-11-20

Standard (CCV-1)

QC Batch: 32151

Date Analyzed: 2006-11-20

Analyzed By: LO

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0972	97	85 - 115	2006-11-20
Toluene		mg/L	0.100	0.0967	97	85 - 115	2006-11-20
Ethylbenzene		mg/L	0.100	0.0976	98	85 - 115	2006-11-20
Xylene		mg/L	0.300	0.295	98	85 - 115	2006-11-20

Standard (ICV-1)

QC Batch: 32287

Date Analyzed: 2006-11-22

Analyzed By: LO

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0956	96	85 - 115	2006-11-22
Toluene		mg/L	0.100	0.0951	95	85 - 115	2006-11-22
Ethylbenzene		mg/L	0.100	0.0948	95	85 - 115	2006-11-22
Xylene		mg/L	0.300	0.287	96	85 - 115	2006-11-22

Standard (CCV-1)

QC Batch: 32287

Date Analyzed: 2006-11-22

Analyzed By: LO

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0938	94	85 - 115	2006-11-22
Toluene		mg/L	0.100	0.0935	94	85 - 115	2006-11-22
Ethylbenzene		mg/L	0.100	0.0943	94	85 - 115	2006-11-22
Xylene		mg/L	0.300	0.286	95	85 - 115	2006-11-22

Standard (ICV-1)

QC Batch: 32289

Date Analyzed: 2006-11-22

Analyzed By: LO

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0940	94	85 - 115	2006-11-22
Toluene		mg/L	0.100	0.0944	94	85 - 115	2006-11-22
Ethylbenzene		mg/L	0.100	0.0952	95	85 - 115	2006-11-22
Xylene		mg/L	0.300	0.288	96	85 - 115	2006-11-22

Standard (CCV-1)

QC Batch: 32289

Date Analyzed: 2006-11-22

Analyzed By: LO

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0900	90	85 - 115	2006-11-22
Toluene		mg/L	0.100	0.0901	90	85 - 115	2006-11-22
Ethylbenzene		mg/L	0.100	0.0912	91	85 - 115	2006-11-22
Xylene		mg/L	0.300	0.276	92	85 - 115	2006-11-22

6701 Aberdeen Avenue, Ste. 9
 Lubbock, Texas 79424
 Tel (806) 794-1296
 Fax (806) 794-1298
 1 (800) 378-1286
 email: lab@traceanalysis.com

TraceAnalysis, Inc.

Company Name: Abita
 Address: 2057 Commerce
 Contact Person: Curt Stanley
 Phone #: 432-520-7720
 Fax #: 432-520-7701
 e-mail:

155 McCutcheon, Suite H
 El Paso, Texas 79932
 Tel (915) 585-3443
 Fax (915) 585-4944
 1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 6112007

ANALYSIS REQUEST
 (Circle or Specify Method No.)

LAB #	FIELD CODE	# CONTAINERS	VOLUME/AMOUNT	MATRIX	PRESERVATIVE METHOD	SAMPLING DATE	TIME
40411	MW19	2	1000	X	X	11/20/06	1300
412	MW15	1	1			11/20/06	1450
413	MW18	1	1			11/20/06	1320
414	MW17	1	1			11/20/06	1245
415	MW37	1	1			11/20/06	1415
416	MW33	1	1			11/20/06	1135
417	MW32	1	1			11/20/06	1430
418	MW5	1	1			11/20/06	1235
419	MW13	1	1			11/20/06	1440
420	MW16	1	1			11/20/06	1300
421	MW38	1	1			11/20/06	1410

Relinquished by: Tracy Date: 11/20/06 Time: 9:20
 Relinquished by: Tracy Date: 11/20/06 Time: 9:20
 Relinquished by: Tracy Date: 11/20/06 Time: 9:20
 Relinquished by: Tracy Date: 11/20/06 Time: 9:20

Project Name: Bob Durham
 Project Location: Monument, New Mexico
 Project #: TUM-LF-2000-07
 Sampler Signature: [Signature]

TX 1005 Extended (C35)	TPH 418 / TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard

REMARKS: all tests - subrock

LAB USE ONLY
 Intact: Y / N
 Headspace: Y / N
 Temp: °
 Log-in Review: g

Carrier # Curry

Submission of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.
 ORIGINAL COPY

Page 2 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST													
ANALYSIS REQUEST (Circle or Specify Method No.)													
LAB Order ID # <u>6112007</u> LAB USE ONLY Intact ☐ Y / ☐ N Headspace ☐ Y / ☐ N Temp ☐ Y / ☐ N Log-in Review ☒ Y													
Carrier # <u>Carry on</u> REMARKS: <u>all tests - Sublock</u>													
155 McCulloch Ave, Suite H El Paso, Texas 79932 Tel (915) 585-9443 Fax (915) 585-9444 1 (888) 588-3443 6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1298 Fax (806) 794-1298 1 (800) 378-1296 email: lab@traceanalysis.com													
Company Name: <u>NONA</u> Phone #: <u>432 530-1720</u> Address: <u>2057 Commerce</u> Fax #: <u>432 530-7701</u> Contact Person: <u>Carl H. Gandy</u> e-mail: <u></u> Invoice to: <u></u> (if different from above) Project #: <u>TAM-4F-2000-7</u> Project Name: <u>Bob Durham</u> Project Location: <u>Monument, New Mexico</u> Sampler Signature: <u>[Signature]</u>													
LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING DATE	TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄			NaOH
421	MW14	2	10g	X				X				11-17-06	11:20
423	MW16	1	10g	X				X				11-17-06	15:15
424	MW11	1	10g	X				X				11-17-06	13:35
425	MW11	1	10g	X				X				11-17-06	12:00
426	MW14	1	10g	X				X				11-17-06	12:10
427	MW20	1	10g	X				X				11-17-06	10:35
428	MW21	1	10g	X				X				11-17-06	10:50
429	MW23	1	10g	X				X				11-17-06	11:05
430	MW24	1	10g	X				X				11-17-06	11:05
431	MW25	1	10g	X				X				11-17-06	11:05
432	MW26	1	10g	X				X				11-17-06	11:05
Relinquished by: <u>[Signature]</u> Date: <u>11-20-06</u> Time: <u>9:20</u> Relinquished by: <u>[Signature]</u> Date: <u>11-20-06</u> Time: <u>9:20</u>										LAB USE ONLY Intact ☐ Y / ☐ N Headspace ☐ Y / ☐ N Temp ☐ Y / ☐ N Log-in Review ☒ Y			
Relinquished by: <u>[Signature]</u> Date: <u>11-20-06</u> Time: <u>9:20</u> Relinquished by: <u>[Signature]</u> Date: <u>11-20-06</u> Time: <u>9:20</u>										REMARKS: <u>all tests - Sublock</u>			
Relinquished by: <u>[Signature]</u> Date: <u>11-20-06</u> Time: <u>9:20</u> Relinquished by: <u>[Signature]</u> Date: <u>11-20-06</u> Time: <u>9:20</u>										Carrier # <u>Carry on</u>			

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1296
 200 East Sunset Road, Suite E El Paso, Texas 79922 888•589•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Jennifer Lange
 Nova Safety & Environmental
 2057 Commerce St.
 Midland, TX, 79703

Report Date: February 28, 2007

Work Order: 7021702



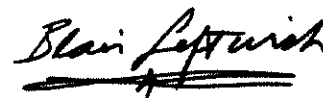
Project Location: West of Monument, NM
 Project Name: Bob Durham
 Project Number: TNM-LF-2000-7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
116775	MW-23	water	2007-02-15	11:16	2007-02-16
116776	MW-26	water	2007-02-16	10:14	2007-02-16
116777	MW-28	water	2007-02-16	10:36	2007-02-16
116778	MW-31	water	2007-02-16	11:15	2007-02-16
116779	MW-33	water	2007-02-16	11:35	2007-02-16
116780	MW-9	water	2007-02-15	11:38	2007-02-16
116781	MW-15	water	2007-02-15	12:15	2007-02-16
116782	MW-8	water	2007-02-15	12:30	2007-02-16
116783	MW-13	water	2007-02-15	12:50	2007-02-16
116784	MW-7	water	2007-02-15	13:10	2007-02-16
116785	MW-37	water	2007-02-16	11:50	2007-02-16
116786	MW-3	water	2007-02-15	13:30	2007-02-16
116787	MW-32	water	2007-02-16	12:10	2007-02-16
116788	MW-10	water	2007-02-15	13:50	2007-02-16
116789	MW-5	water	2007-02-15	14:20	2007-02-16
116790	MW-16	water	2007-02-16	12:45	2007-02-16
116791	MW-6	water	2007-02-15	14:35	2007-02-16
116792	MW-2	water	2007-02-16	13:35	2007-02-16
116793	MW-38	water	2007-02-16	14:02	2007-02-16
116794	MW-1	water	2007-02-15	14:50	2007-02-16

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in cursive script, reading "Blair Leftwich". The signature is written in black ink and is positioned above a horizontal line.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 116775 - MW-23

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	34846	Date Analyzed:	2007-02-20	Analyzed By:	ss
Prep Batch:	30232	Sample Preparation:	2007-02-20	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0667	mg/L	1	0.100	67	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0742	mg/L	1	0.100	74	22.2 - 104.5

Sample: 116776 - MW-26

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	34846	Date Analyzed:	2007-02-20	Analyzed By:	ss
Prep Batch:	30232	Sample Preparation:	2007-02-20	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0669	mg/L	1	0.100	67	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0734	mg/L	1	0.100	73	22.2 - 104.5

Sample: 116777 - MW-28

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	34846	Date Analyzed:	2007-02-20	Analyzed By:	ss
Prep Batch:	30232	Sample Preparation:	2007-02-20	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0669	mg/L	1	0.100	67	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0730	mg/L	1	0.100	73	22.2 - 104.5

Sample: 116778 - MW-31

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 34846 Date Analyzed: 2007-02-20 Analyzed By: ss
Prep Batch: 30232 Sample Preparation: 2007-02-20 Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0672	mg/L	1	0.100	67	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0729	mg/L	1	0.100	73	22.2 - 104.5

Sample: 116779 - MW-33

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 34846 Date Analyzed: 2007-02-20 Analyzed By: ss
Prep Batch: 30232 Sample Preparation: 2007-02-20 Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0660	mg/L	1	0.100	66	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0729	mg/L	1	0.100	73	22.2 - 104.5

Sample: 116780 - MW-9

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 34846 Date Analyzed: 2007-02-20 Analyzed By: ss
Prep Batch: 30232 Sample Preparation: 2007-02-20 Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 116780 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0658	mg/L	1	0.100	66	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0727	mg/L	1	0.100	73	22.2 - 104.5

Sample: 116781 - MW-15

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 34846	Date Analyzed: 2007-02-20	Analyzed By: ss
Prep Batch: 30232	Sample Preparation: 2007-02-20	Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0673	mg/L	1	0.100	67	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0751	mg/L	1	0.100	75	22.2 - 104.5

Sample: 116782 - MW-8

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 34846	Date Analyzed: 2007-02-20	Analyzed By: ss
Prep Batch: 30232	Sample Preparation: 2007-02-20	Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00200	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0647	mg/L	1	0.100	65	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0700	mg/L	1	0.100	70	22.2 - 104.5

Sample: 116783 - MW-13

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 34846 Date Analyzed: 2007-02-20 Analyzed By: ss
Prep Batch: 30232 Sample Preparation: 2007-02-20 Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00160	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0685	mg/L	1	0.100	68	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0998	mg/L	1	0.100	100	22.2 - 104.5

Sample: 116784 - MW-7

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 34846 Date Analyzed: 2007-02-20 Analyzed By: ss
Prep Batch: 30232 Sample Preparation: 2007-02-20 Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00180	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00110	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0665	mg/L	1	0.100	66	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0780	mg/L	1	0.100	78	22.2 - 104.5

Sample: 116785 - MW-37

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 34845 Date Analyzed: 2007-02-21 Analyzed By: ss
Prep Batch: 30234 Sample Preparation: Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.478	mg/L	5	0.500	96	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.508	mg/L	5	0.500	102	22.2 - 104.5

Sample: 116786 - MW-3

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 34845 Date Analyzed: 2007-02-21 Analyzed By: ss
Prep Batch: 30234 Sample Preparation: Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00370	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00240	mg/L	1	0.00100
Xylene		0.00260	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0931	mg/L	1	0.100	93	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	22.2 - 104.5

Sample: 116787 - MW-32

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 34845 Date Analyzed: 2007-02-21 Analyzed By: ss
Prep Batch: 30234 Sample Preparation: Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00160	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00160	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0935	mg/L	1	0.100	94	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.100	mg/L	1	0.100	100	22.2 - 104.5

Sample: 116788 - MW-10

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 34845 Date Analyzed: 2007-02-21 Analyzed By: ss
Prep Batch: 30234 Sample Preparation: Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 116788 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0945	mg/L	1	0.100	94	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.104	mg/L	1	0.100	104	22.2 - 104.5

Sample: 116789 - MW-5

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 34845	Date Analyzed: 2007-02-21	Analyzed By: ss
Prep Batch: 30234	Sample Preparation:	Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.111	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0522	mg/L	1	0.00100
Xylene		0.0395	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0896	mg/L	1	0.100	90	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)	¹	0.114	mg/L	1	0.100	114	22.2 - 104.5

Sample: 116790 - MW-16

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 34845	Date Analyzed: 2007-02-21	Analyzed By: ss
Prep Batch: 30234	Sample Preparation:	Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.00680	mg/L	5	0.00100
Xylene		0.00970	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.401	mg/L	5	0.500	80	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.454	mg/L	5	0.500	91	22.2 - 104.5

¹High surrogate recovery due to peak interference.

Sample: 116791 - MW-6

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 34845	Date Analyzed: 2007-02-21	Analyzed By: ss
Prep Batch: 30234	Sample Preparation:	Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0158	mg/L	1	0.00100
Xylene		0.0234	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0925	mg/L	1	0.100	92	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)	²	0.108	mg/L	1	0.100	108	22.2 - 104.5

Sample: 116792 - MW-2

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 34845	Date Analyzed: 2007-02-21	Analyzed By: ss
Prep Batch: 30234	Sample Preparation:	Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0297	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.0155	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.452	mg/L	5	0.500	90	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)	³	0.526	mg/L	5	0.500	105	22.2 - 104.5

Sample: 116793 - MW-38

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 34845	Date Analyzed: 2007-02-21	Analyzed By: ss
Prep Batch: 30234	Sample Preparation:	Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0161	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0345	mg/L	1	0.00100
Xylene		0.00720	mg/L	1	0.00100

²High surrogate recovery due to peak interference.

³High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0912	mg/L	1	0.100	91	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)	⁴	0.109	mg/L	1	0.100	109	22.2 - 104.5

Sample: 116794 - MW-1

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 35021 Date Analyzed: 2007-02-27 Analyzed By: ss
Prep Batch: 30391 Sample Preparation: Prepared By: ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0232	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.0760	mg/L	5	0.00100
Xylene		0.0593	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.517	mg/L	5	0.500	103	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.448	mg/L	5	0.500	90	22.2 - 104.5

Method Blank (1) QC Batch: 34845

QC Batch: 34845 Date Analyzed: 2007-02-21 Analyzed By: ss
Prep Batch: 30234 QC Preparation: 2007-02-20 Prepared By: ss

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0921	mg/L	1	0.100	92	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0934	mg/L	1	0.100	93	54.4 - 112.5

Method Blank (1) QC Batch: 34846

QC Batch: 34846 Date Analyzed: 2007-02-20 Analyzed By: ss
Prep Batch: 30232 QC Preparation: 2007-02-20 Prepared By: ss

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001

continued ...

⁴High surrogate recovery due to peak interference.

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0771	mg/L	1	0.100	77	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0806	mg/L	1	0.100	81	54.4 - 112.5

Method Blank (1) QC Batch: 35021

QC Batch: 35021
Prep Batch: 30391

Date Analyzed: 2007-02-27
QC Preparation: 2007-02-26

Analyzed By: ss
Prepared By: ss

Parameter	Flag	MDL Result	Units	RL
Benzeue		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0998	mg/L	1	0.100	100	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0827	mg/L	1	0.100	83	54.4 - 112.5

Laboratory Control Spike (LCS-1)

QC Batch: 34845
Prep Batch: 30234

Date Analyzed: 2007-02-21
QC Preparation: 2007-02-20

Analyzed By: ss
Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0879	mg/L	1	0.100	<0.000200	88	76.4 - 120.5
Toluene	0.0897	mg/L	1	0.100	<0.000200	90	79.2 - 117.8
Ethylbenzene	0.0905	mg/L	1	0.100	<0.000200	90	78.8 - 117.9
Xylene	0.272	mg/L	1	0.300	<0.000300	91	80 - 120.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0940	mg/L	1	0.100	<0.000200	94	76.4 - 120.5	7	20
Toluene	0.0944	mg/L	1	0.100	<0.000200	94	79.2 - 117.8	5	20
Ethylbenzene	0.0939	mg/L	1	0.100	<0.000200	94	78.8 - 117.9	4	20
Xylene	0.282	mg/L	1	0.300	<0.000300	94	80 - 120.1	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0743	0.0964	mg/L	1	0.100	74	96	59.5 - 117.8
4-Bromofluorobenzene (4-BFB)	0.0883	0.0981	mg/L	1	0.100	88	98	63.2 - 122.4

Laboratory Control Spike (LCS-1)

QC Batch: 34846
Prep Batch: 30232

Date Analyzed: 2007-02-20
QC Preparation: 2007-02-20

Analyzed By: ss
Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0830	mg/L	1	0.100	<0.000200	83	76.4 - 120.5
Toluene	0.0841	mg/L	1	0.100	<0.000200	84	79.2 - 117.8
Ethylbenzene	0.0842	mg/L	1	0.100	<0.000200	84	78.8 - 117.9
Xylene	0.252	mg/L	1	0.300	<0.000300	84	80 - 120.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0811	mg/L	1	0.100	<0.000200	81	76.4 - 120.5	2	20
Toluene	0.0826	mg/L	1	0.100	<0.000200	83	79.2 - 117.8	2	20
Ethylbenzene	0.0831	mg/L	1	0.100	<0.000200	83	78.8 - 117.9	1	20
Xylene	0.249	mg/L	1	0.300	<0.000300	83	80 - 120.1	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0767	0.0779	mg/L	1	0.100	77	78	59.5 - 117.8
4-Bromofluorobenzene (4-BFB)	0.0810	0.0823	mg/L	1	0.100	81	82	63.2 - 122.4

Laboratory Control Spike (LCS-1)

QC Batch: 35021
Prep Batch: 30391

Date Analyzed: 2007-02-27
QC Preparation: 2007-02-26

Analyzed By: ss
Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0981	mg/L	1	0.100	<0.000200	98	76.4 - 120.5
Toluene	0.100	mg/L	1	0.100	<0.000200	100	79.2 - 117.8
Ethylbenzene	0.103	mg/L	1	0.100	<0.000200	103	78.8 - 117.9
Xylene	0.311	mg/L	1	0.300	<0.000300	104	80 - 120.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0995	mg/L	1	0.100	<0.000200	100	76.4 - 120.5	1	20
Toluene	0.102	mg/L	1	0.100	<0.000200	102	79.2 - 117.8	2	20
Ethylbenzene	0.105	mg/L	1	0.100	<0.000200	105	78.8 - 117.9	2	20
Xylene	0.319	mg/L	1	0.300	<0.000300	106	80 - 120.1	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0922	0.0944	mg/L	1	0.100	92	94	59.5 - 117.8
4-Bromofluorobenzene (4-BFB)	0.0949	0.0958	mg/L	1	0.100	95	96	63.2 - 122.4

Matrix Spike (MS-1) Spiked Sample: 116440

QC Batch: 34846
Prep Batch: 30232

Date Analyzed: 2007-02-20
QC Preparation: 2007-02-20

Analyzed By: ss
Prepared By: ss

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	⁵ 1.28	mg/L	10	1.00	0.5713	71	75.9 - 114.2
Toluene	⁶ 1.55	mg/L	10	1.00	0.8274	72	78.7 - 111.8
Ethylbenzene	0.882	mg/L	10	1.00	0.0933	79	78.3 - 112.3
Xylene	2.52	mg/L	10	3.00	0.1139	80	79.3 - 114.8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	⁷ 1.29	mg/L	10	1.00	0.5713	123	75.9 - 114.2	1	20
Toluene	⁸ 1.52	mg/L	10	1.00	0.8274	69	78.7 - 111.8	2	20
Ethylbenzene	0.880	mg/L	10	1.00	0.0933	79	78.3 - 112.3	0	20
Xylene	2.52	mg/L	10	3.00	0.1139	80	79.3 - 114.8	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.723	0.720	mg/L	10	1	72	72	43.9 - 121.4
4-Bromofluorobenzene (4-BFB)	0.813	0.802	mg/L	10	1	81	80	54.2 - 120.1

Standard (ICV-1)

QC Batch: 34845

Date Analyzed: 2007-02-21

Analyzed By: ss

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0922	92	85 - 115	2007-02-21
Toluene		mg/L	0.100	0.0937	94	85 - 115	2007-02-21
Ethylbenzene		mg/L	0.100	0.0945	94	85 - 115	2007-02-21
Xylene		mg/L	0.300	0.284	95	85 - 115	2007-02-21

Standard (CCV-1)

QC Batch: 34845

Date Analyzed: 2007-02-21

Analyzed By: ss

⁵Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

⁶Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

⁷Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

⁸Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0858	86	85 - 115	2007-02-21
Toluene		mg/L	0.100	0.0858	86	85 - 115	2007-02-21
Ethylbenzene		mg/L	0.100	0.0859	86	85 - 115	2007-02-21
Xylene		mg/L	0.300	0.258	86	85 - 115	2007-02-21

Standard (ICV-1)

QC Batch: 34846

Date Analyzed: 2007-02-20

Analyzed By: ss

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0966	97	85 - 115	2007-02-20
Toluene		mg/L	0.100	0.0984	98	85 - 115	2007-02-20
Ethylbenzene		mg/L	0.100	0.0976	98	85 - 115	2007-02-20
Xylene		mg/L	0.300	0.293	98	85 - 115	2007-02-20

Standard (CCV-1)

QC Batch: 34846

Date Analyzed: 2007-02-20

Analyzed By: ss

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0856	86	85 - 115	2007-02-20
Toluene		mg/L	0.100	0.0879	88	85 - 115	2007-02-20
Ethylbenzene		mg/L	0.100	0.0876	88	85 - 115	2007-02-20
Xylene		mg/L	0.300	0.262	87	85 - 115	2007-02-20

Standard (ICV-1)

QC Batch: 35021

Date Analyzed: 2007-02-27

Analyzed By: ss

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	85 - 115	2007-02-27
Toluene		mg/L	0.100	0.103	103	85 - 115	2007-02-27
Ethylbenzene		mg/L	0.100	0.105	105	85 - 115	2007-02-27
Xylene		mg/L	0.300	0.316	105	85 - 115	2007-02-27

Standard (CCV-1)

QC Batch: 35021

Date Analyzed: 2007-02-27

Analyzed By: ss

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.104	104	85 - 115	2007-02-27
Toluene		mg/L	0.100	0.103	103	85 - 115	2007-02-27
Ethylbenzene	⁹	mg/L	0.100	0.118	118	85 - 115	2007-02-27
Xylene		mg/L	0.300	0.318	106	85 - 115	2007-02-27

⁹ETHYLBENZENE outside of control limits on CCV(ICV). CCV(ICV) component average is 0.1060 which is within acceptable range. This is acceptable by Method 8000.

TraceAnalysis, Inc.

email: lab@traceanalysis.com

Company Name: Nova Phone #: 432-520-7720
 Address: 2057 Commercial Fax #: 432-520-7701
 Contact Person: Curt Stanley E-mail:

Invoiced to: Pharos
 (if different from above)

Project #: 2000-7
 Project Location (including state): New Mexico

Project Name: Quartzite
 Sampler Signature: [Signature]

LAB # LAB USE ONLY	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD					SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	DATE	TIME
116775	MW-23	2	1000	X				X				X	2/15	1116
116776	MW-26	1											2/16	1014
116777	MW-28	1											2/16	1036
116778	MW-31	1											2/16	1115
116779	MW-33	1											2/16	1135
116780	MW-9	1											2/15	1138
116781	MW-15	1											2/15	1215
116782	MW-8	1											2/15	1230
116783	MW-13	1											2/15	1250
116784	MW-7	1											2/15	1310
116785	MW-37	1											2/16	1150

Relinquished by: Quartzite Date: 2/16/07 Time: 4:18
 Received by: Will M Date: 2/16/07 Time: 18:10

Relinquished by: Date: Time:
 Received by: Date: Time:

Relinquished by: Date: Time:
 Received at Laboratory by: Date: Time:

LAB Order ID # 7021702 Page 1 of 2
 5002 Basin Street, Suite A1
 Midland, Texas 79703
 Tel (432) 689-6301
 Fax (432) 689-6313
 6015 Harris Pkwy., Suite E
 Ft. Worth, Texas 76132
 Tel (817) 201-5280
 Fax (817) 201-5280
 Tel (915) 585-3443
 Fax (915) 585-4944
 1 (888) 588-3443

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ex(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCBs 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard
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REMARKS: all tests - midland

LAB USE ONLY

Intact Y N N
 Headspace Y N N
 Temp 40 °C
 Log-in-Review Yes

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Carrier # 6135721

TraceAnalysis, Inc.

email: lab@traceanalysis.com

LAB Order ID # 7021702

Page 2 of 2

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5280

Company Name:

Address: Nava
(Street/City, Zip)

Contact Person: 7057 Commerce

Phone #: 432-520-7700

Fax #: 432-520-7701

Invoice to:

(If different from above) C. Stanley

Project #:

TNM-LF-2000-7

Project Location (including state):

New Mexico

Project Name:

Bob Delaney

Sampler Signature:

Justin Rice

LAB # LAB USE ONLY	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD					SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
116786	MW-3	2	100	X				X				X	2-15	1330
116787	MW-32	1	100	X									2-16	1210
116788	MW-10	1	100	X									2-15	1350
116789	MW-5	1	100	X									2-15	1400
116790	MW-16	1	100	X									2-16	1245
116791	MW-6	1	100	X									2-15	1435
116792	MW-2	1	100	X									2-16	1335
116793	MW-38	1	100	X									2-16	1400
116794	MW-1	1	100	X									2-15	1450

ANALYSIS REQUEST

(Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCBs 8082 / 808	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard
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Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Justin Rice	2/16/07	4:18	Willie	2/16/07	16:18
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:

LAB USE ONLY

Intact ☒ / N

Headspace ☒ / P

Temp ☒ / C

Log-in-Review ☒ / Ag

REMARKS: all tests - Midland

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check if Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

18-45

Carrier # 6077

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1296
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•669•6301 FAX 432•669•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Jennifer Lange
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: May 17, 2007

Work Order: 7051416



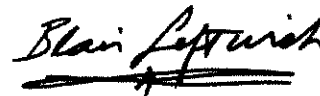
Project Location: West of Monument, NM
Project Name: Bob Durham
Project Number: TNM-LF-2000-7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
123988	MW-23	water	2007-05-12	10:00	2007-05-14
123989	MW-24	water	2007-05-12	10:30	2007-05-14
123990	MW-26	water	2007-05-12	11:00	2007-05-14
123991	MW-27	water	2007-05-12	11:15	2007-05-14
123992	MW-28	water	2007-05-11	14:30	2007-05-14
123993	MW-31	water	2007-05-11	14:45	2007-05-14
123994	MW-33	water	2007-05-11	15:00	2007-05-14
123995	MW-9	water	2007-05-11	15:15	2007-05-14
123996	MW-15	water	2007-05-11	15:30	2007-05-14
123997	MW-13	water	2007-05-11	15:45	2007-05-14
123998	MW-10	water	2007-05-11	16:00	2007-05-14
123999	MW-37	water	2007-05-11	16:15	2007-05-14
124000	MW-14	water	2007-05-11	16:30	2007-05-14
124001	MW-8	water	2007-05-12	12:00	2007-05-14
124002	MW-7	water	2007-05-12	12:15	2007-05-14
124003	MW-32	water	2007-05-11	16:45	2007-05-14
124004	MW-3	water	2007-05-12	12:30	2007-05-14
124005	MW-16	water	2007-05-12	13:00	2007-05-14
124006	MW-2	water	2007-05-12	13:45	2007-05-14
124007	MW-6	water	2007-05-12	14:15	2007-05-14
124008	MW-38	water	2007-05-11	17:00	2007-05-14
124009	MW-1	water	2007-05-12	15:00	2007-05-14
124010	MW-5	water	2007-05-12	16:00	2007-05-14

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a horizontal line underneath.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Bob Durham were received by TraceAnalysis, Inc. on 2007-05-14 and assigned to work order 7051416. Samples for work order 7051416 were received intact without headspace and at a temperature of 2.5 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B
MTBE	S 8021B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7051416 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 123988 - MW-23

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37239	Date Analyzed: 2007-05-15	Analyzed By: AG
Prep Batch: 32291	Sample Preparation: 2007-05-15	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0797	mg/L	1	0.100	80	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0722	mg/L	1	0.100	72	22.2 - 104.5

Sample: 123989 - MW-24

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37239	Date Analyzed: 2007-05-15	Analyzed By: AG
Prep Batch: 32291	Sample Preparation: 2007-05-15	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0804	mg/L	1	0.100	80	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0701	mg/L	1	0.100	70	22.2 - 104.5

Sample: 123990 - MW-26

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37239	Date Analyzed: 2007-05-15	Analyzed By: AG
Prep Batch: 32291	Sample Preparation: 2007-05-15	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0799	mg/L	1	0.100	80	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0709	mg/L	1	0.100	71	22.2 - 104.5

Sample: 123991 - MW-27

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 37239 Date Analyzed: 2007-05-15 Analyzed By: AG
Prep Batch: 32291 Sample Preparation: 2007-05-15 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0805	mg/L	1	0.100	80	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0700	mg/L	1	0.100	70	22.2 - 104.5

Sample: 123992 - MW-28

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 37239 Date Analyzed: 2007-05-15 Analyzed By: AG
Prep Batch: 32291 Sample Preparation: 2007-05-15 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0774	mg/L	1	0.100	77	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0700	mg/L	1	0.100	70	22.2 - 104.5

Sample: 123993 - MW-31

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 37239 Date Analyzed: 2007-05-15 Analyzed By: AG
Prep Batch: 32291 Sample Preparation: 2007-05-15 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 123993 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0799	mg/L	1	0.100	80	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0708	mg/L	1	0.100	71	22.2 - 104.5

Sample: 123994 - MW-33

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 37239 Date Analyzed: 2007-05-15 Analyzed By: AG
Prep Batch: 32291 Sample Preparation: 2007-05-15 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0807	mg/L	1	0.100	81	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0707	mg/L	1	0.100	71	22.2 - 104.5

Sample: 123995 - MW-9

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 37239 Date Analyzed: 2007-05-15 Analyzed By: AG
Prep Batch: 32291 Sample Preparation: 2007-05-15 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<0.00100	mg/L	1	0.00100
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0779	mg/L	1	0.100	78	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0693	mg/L	1	0.100	69	22.2 - 104.5

Sample: 123996 - MW-15

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37239	Date Analyzed: 2007-05-15	Analyzed By: AG
Prep Batch: 32291	Sample Preparation: 2007-05-15	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0790	mg/L	1	0.100	79	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0707	mg/L	1	0.100	71	22.2 - 104.5

Sample: 123997 - MW-13

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37239	Date Analyzed: 2007-05-15	Analyzed By: AG
Prep Batch: 32291	Sample Preparation: 2007-05-15	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0810	mg/L	1	0.100	81	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	22.2 - 104.5

Sample: 123998 - MW-10

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37239	Date Analyzed: 2007-05-15	Analyzed By: AG
Prep Batch: 32291	Sample Preparation: 2007-05-15	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0797	mg/L	1	0.100	80	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0712	mg/L	1	0.100	71	22.2 - 104.5

Sample: 123999 - MW-37

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 37239 Date Analyzed: 2007-05-15 Analyzed By: AG
Prep Batch: 32291 Sample Preparation: 2007-05-15 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0795	mg/L	1	0.100	80	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0715	mg/L	1	0.100	72	22.2 - 104.5

Sample: 124000 - MW-14

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 37239 Date Analyzed: 2007-05-15 Analyzed By: AG
Prep Batch: 32291 Sample Preparation: 2007-05-15 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0801	mg/L	1	0.100	80	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0706	mg/L	1	0.100	71	22.2 - 104.5

Sample: 124001 - MW-8

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 37239 Date Analyzed: 2007-05-15 Analyzed By: AG
Prep Batch: 32291 Sample Preparation: 2007-05-15 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<0.00100	mg/L	1	0.00100

continued ...

sample 124001 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00310	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0820	mg/L	1	0.100	82	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0719	mg/L	1	0.100	72	22.2 - 104.5

Sample: 124002 - MW-7

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37239	Date Analyzed: 2007-05-15	Analyzed By: AG
Prep Batch: 32291	Sample Preparation: 2007-05-15	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0784	mg/L	1	0.100	78	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0759	mg/L	1	0.100	76	22.2 - 104.5

Sample: 124003 - MW-32

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37239	Date Analyzed: 2007-05-15	Analyzed By: AG
Prep Batch: 32291	Sample Preparation: 2007-05-15	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0784	mg/L	1	0.100	78	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0726	mg/L	1	0.100	73	22.2 - 104.5

Sample: 124004 - MW-3

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37239	Date Analyzed: 2007-05-15	Analyzed By: AG
Prep Batch: 32291	Sample Preparation: 2007-05-15	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0779	mg/L	1	0.100	78	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0750	mg/L	1	0.100	75	22.2 - 104.5

Sample: 124005 - MW-16

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37239	Date Analyzed: 2007-05-15	Analyzed By: AG
Prep Batch: 32291	Sample Preparation: 2007-05-15	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<0.00500	mg/L	5	0.00100
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.403	mg/L	5	0.500	81	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.361	mg/L	5	0.500	72	22.2 - 104.5

Sample: 124006 - MW-2

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37258	Date Analyzed: 2007-05-16	Analyzed By: AG
Prep Batch: 32309	Sample Preparation: 2007-05-16	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0235	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0143	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0755	mg/L	1	0.100	76	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0909	mg/L	1	0.100	91	22.2 - 104.5

Sample: 124007 - MW-6

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 37258 Date Analyzed: 2007-05-16 Analyzed By: AG
Prep Batch: 32309 Sample Preparation: 2007-05-16 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0111	mg/L	1	0.00100
Xylene		0.0151	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0836	mg/L	1	0.100	84	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0785	mg/L	1	0.100	78	22.2 - 104.5

Sample: 124008 - MW-38

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 37258 Date Analyzed: 2007-05-16 Analyzed By: AG
Prep Batch: 32309 Sample Preparation: 2007-05-16 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0133	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0405	mg/L	1	0.00100
Xylene		0.00560	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0855	mg/L	1	0.100	86	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0830	mg/L	1	0.100	83	22.2 - 104.5

Sample: 124009 - MW-1

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 37258 Date Analyzed: 2007-05-16 Analyzed By: AG
Prep Batch: 32309 Sample Preparation: 2007-05-16 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0424	mg/L	1	0.00100

continued ...

sample 124009 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0994	mg/L	1	0.00100
Xylene		0.0983	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0537	mg/L	1	0.100	54	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	22.2 - 104.5

Sample: 124010 - MW-5

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 37258	Date Analyzed: 2007-05-16	Analyzed By: AG
Prep Batch: 32309	Sample Preparation: 2007-05-16	Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.105	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0378	mg/L	1	0.00100
Xylene		0.0319	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0603	mg/L	1	0.100	60	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0865	mg/L	1	0.100	86	22.2 - 104.5

Method Blank (1) QC Batch: 37239

QC Batch: 37239	Date Analyzed: 2007-05-15	Analyzed By: AG
Prep Batch: 32291	QC Preparation: 2007-05-15	Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
MTBE		<0.000400	mg/L	0.001
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0802	mg/L	1	0.100	80	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0718	mg/L	1	0.100	72	54.4 - 112.5

Method Blank (1) QC Batch: 37258

QC Batch: 37258
Prep Batch: 32309

Date Analyzed: 2007-05-16
QC Preparation: 2007-05-16

Analyzed By: AG
Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0796	mg/L	1	0.100	80	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0690	mg/L	1	0.100	69	54.4 - 112.5

Laboratory Control Spike (LCS-1)

QC Batch: 37239
Prep Batch: 32291

Date Analyzed: 2007-05-15
QC Preparation: 2007-05-15

Analyzed By: AG
Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
MTBE	0.100	mg/L	1	0.100	<0.000400	100	66.5 - 128.1
Benzene	0.0919	mg/L	1	0.100	<0.000200	92	76.4 - 120.5
Toluene	0.0938	mg/L	1	0.100	<0.000200	94	79.2 - 117.8
Ethylbenzene	0.0943	mg/L	1	0.100	<0.000200	94	78.8 - 117.9
Xylene	0.286	mg/L	1	0.300	<0.000300	95	80 - 120.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
MTBE	0.102	mg/L	1	0.100	<0.000400	102	66.5 - 128.1	2	20
Benzene	0.0943	mg/L	1	0.100	<0.000200	94	76.4 - 120.5	3	20
Toluene	0.0959	mg/L	1	0.100	<0.000200	96	79.2 - 117.8	2	20
Ethylbenzene	0.0968	mg/L	1	0.100	<0.000200	97	78.8 - 117.9	3	20
Xylene	0.294	mg/L	1	0.300	<0.000300	98	80 - 120.1	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0743	0.0726	mg/L	1	0.100	74	73	59.5 - 117.8
4-Bromofluorobenzene (4-BFB)	0.0763	0.0776	mg/L	1	0.100	76	78	63.2 - 122.4

Laboratory Control Spike (LCS-1)

QC Batch: 37258
Prep Batch: 32309

Date Analyzed: 2007-05-16
QC Preparation: 2007-05-16

Analyzed By: AG
Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0942	mg/L	1	0.100	<0.000200	94	76.4 - 120.5
Toluene	0.0959	mg/L	1	0.100	<0.000200	96	79.2 - 117.8
Ethylbenzene	0.0970	mg/L	1	0.100	<0.000200	97	78.8 - 117.9
Xylene	0.295	mg/L	1	0.300	<0.000300	98	80 - 120.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0931	mg/L	1	0.100	<0.000200	93	76.4 - 120.5	1	20
Toluene	0.0941	mg/L	1	0.100	<0.000200	94	79.2 - 117.8	2	20
Ethylbenzene	0.0952	mg/L	1	0.100	<0.000200	95	78.8 - 117.9	2	20
Xylene	0.289	mg/L	1	0.300	<0.000300	96	80 - 120.1	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0721	0.0721	mg/L	1	0.100	72	72	59.5 - 117.8
4-Bromofluorobenzene (4-BFB)	0.0753	0.0759	mg/L	1	0.100	75	76	63.2 - 122.4

Matrix Spike (MS-1) Spiked Sample: 124005

QC Batch: 37239
Prep Batch: 32291

Date Analyzed: 2007-05-15
QC Preparation: 2007-05-15

Analyzed By: AG
Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
MTBE	0.432	mg/L	5	0.500	<0.00200	86	65.9 - 120.8
Benzene	0.450	mg/L	5	0.500	<0.00100	90	75.9 - 114.2
Toluene	0.458	mg/L	5	0.500	<0.00100	92	78.7 - 111.8
Ethylbenzene	0.460	mg/L	5	0.500	<0.00100	92	78.3 - 112.3
Xylene	1.39	mg/L	5	1.50	<0.00150	93	79.3 - 114.8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
MTBE	0.450	mg/L	5	0.500	<0.00200	90	65.9 - 120.8	4	20
Benzene	0.456	mg/L	5	0.500	<0.00100	91	75.9 - 114.2	1	20
Toluene	0.459	mg/L	5	0.500	<0.00100	92	78.7 - 111.8	0	20
Ethylbenzene	0.461	mg/L	5	0.500	<0.00100	92	78.3 - 112.3	0	20
Xylene	1.40	mg/L	5	1.50	<0.00150	93	79.3 - 114.8	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.360	0.359	mg/L	5	0.5	72	72	43.9 - 121.4
4-Bromofluorobenzene (4-BFB)	0.387	0.384	mg/L	5	0.5	77	77	54.2 - 120.1

Standard (ICV-1)

QC Batch: 37239

Date Analyzed: 2007-05-15

Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.100	0.0964	96	85 - 115	2007-05-15
Benzene		mg/L	0.100	0.0885	88	85 - 115	2007-05-15
Tolene		mg/L	0.100	0.0907	91	85 - 115	2007-05-15
Ethylbenzene		mg/L	0.100	0.0919	92	85 - 115	2007-05-15
Xylene		mg/L	0.300	0.279	93	85 - 115	2007-05-15

Standard (CCV-1)

QC Batch: 37239

Date Analyzed: 2007-05-15

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.100	0.101	101	85 - 115	2007-05-15
Benzene		mg/L	0.100	0.0917	92	85 - 115	2007-05-15
Toluene		mg/L	0.100	0.0926	93	85 - 115	2007-05-15
Ethylbenzene		mg/L	0.100	0.0935	94	85 - 115	2007-05-15
Xylene		mg/L	0.300	0.284	95	85 - 115	2007-05-15

Standard (ICV-1)

QC Batch: 37258

Date Analyzed: 2007-05-16

Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0920	92	85 - 115	2007-05-16
Toluene		mg/L	0.100	0.0945	94	85 - 115	2007-05-16
Ethylbenzene		mg/L	0.100	0.0968	97	85 - 115	2007-05-16
Xylene		mg/L	0.300	0.295	98	85 - 115	2007-05-16

Standard (CCV-1)

QC Batch: 37258

Date Analyzed: 2007-05-16

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0909	91	85 - 115	2007-05-16
Toluene		mg/L	0.100	0.0931	93	85 - 115	2007-05-16
Ethylbenzene		mg/L	0.100	0.0934	93	85 - 115	2007-05-16
Xylene		mg/L	0.300	0.284	95	85 - 115	2007-05-16

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-12965002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-34436015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name:

Phone #:

Nova 432-520-7720

Address:

2057 Commerce Midland, TX 432-520-7701

Contact Person:

E-mail:

Curt Stanley

Invoice to:

(if different from above) Plains

Project #:

TAM-LE-2000-7

Project Location (including state):

New Mexico

Project Name:

Bob Duran

Sampler Signature:

Justy

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
123988	MW-23	7	VBA	X				X					X	5/12	1000
989	MW-24														1030
990	MW-26														1100
991	MW-27													↓	1115
992	MW-28													5/11	1430
993	MW-31														1445
994	MW-33														1500
995	MW-9														1515
996	MW-15														1530
997	MW-13														1545
998	MW-10													✓	1600

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Justy	5/14/07	9:55			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			Justy	5/14/07	9:55

ANALYSIS REQUEST

(Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624
 BTEX 8021B / 602 / 8260B / 624
 TPH 418.1 / TX1005 / TX1005 EXT(C35)
 TPH 8015 GRO / DRO / TVHC
 PAH 8270C / 625
 Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Volatiles
 TCLP Semi Volatiles
 TCLP Pesticides
 RCI
 GC/MS Vol. 8260B / 624
 GC/MS Semi. Vol. 8270C / 625
 PCB's 8082 / 608
 Pesticides 8081A / 608
 BOD, TSS, pH
 Moisture Content

Turn Around Time if different from standard

REMARKS:

LAB USE ONLY

All tests - Midland

- ☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Intact ☒ / N
 Headspace ☒ / N
 Temp 2.5 3.2
 Log-in-Review MS

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: Nova		Phone #: 432-530-7720	
Address: 7057 Commerce Midland TX		Fax #: 432-530-7701	
Contact Person: Curt Stanley		E-mail:	
Invoice to: (If different from above) PLANS			
Project #: TMM-LE-2000-7		Project Name: Bob DeLam	
Project Location (including state): New Mexico		Sampler Signature: [Signature]	

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD					SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
123999	MW-37	2	Via X					X						5/11	1615
124000	MW-14	1												5/12	1630
001	MW-8	1												5/12	1200
002	MW-7	1						X						5/11	1215
003	MW-32	1												5/11	1645
004	MW-3	1												5/12	1230
005	MW-16	1												5/12	1300
006	MW-2	1												5/12	1345
007	MW-6	1												5/11	1415
008	MW-38	1												5/11	1700
009	MW-1	1												5/12	1500

LAB USE ONLY	REMARKS:
Intact ☒ N	All tests - Midland
Headspace ☒ Y	
Temp ☒ 25	
Log-In-Review ☒ MS	
Carrier # ☒ Camp - 2	

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

Phone #:

Phone #: 437-520-7720

Fax #:

E-mail:

Invoice to:
(If different from above)

Project Name:

Project Name: Bob Duhann

New Mexico

[illegible]

511417 9:55

DATE: 10/16/1966.

Time: _____

5041.5

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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(Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	
PTEX 8021B / 602 / 8260B / 624	7
TPH 418.1 / TX1005 / TX1005 EXT(C35)	
TPH 8015 GRO / DRO / TVHC	
PAH 8270C / 625	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C / 625	
PCB's 8082 / 608	
Pesticides 8081A / 608	
BOD, TSS, pH	
Moisture Content	
Turn Around Time if different from standard	
Hold	

LAB USE ONLY

REMARKS:

All tests - Wicklund

Interact	<u>Y/N</u>	☐	Dry Weight Basis Required
Headspace	<u>Y</u>	☐	TRRP Report Required
Temp	<u>22.5</u>	☐	Check if Special Reporting Limits Are Needed
Log-in/Review	<u>MS</u>		

Carrier #

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1295 806•794•1296 FAX 806•794•1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 888•685•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Julie Koonce
 Nova Safety & Environmental
 2057 Commerce St.
 Midland, TX, 79703

Report Date: September 4, 2007

Work Order: 7082924



Project Location: West of Monument, NM
 Project Name: Bob Durham
 Project Number: TNM-LF-2000-7

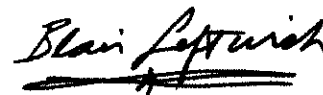
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
134780	MW-23	water	2007-08-27	11:00	2007-08-29
134781	MW-26	water	2007-08-27	11:45	2007-08-29
134782	MW-28	water	2007-08-27	12:00	2007-08-29
134783	MW-31	water	2007-08-27	12:30	2007-08-29
134784	MW-33	water	2007-08-27	12:45	2007-08-29
134785	MW-9	water	2007-08-27	13:00	2007-08-29
134786	MW-15	water	2007-08-27	13:15	2007-08-29
134787	MW-13	water	2007-08-27	13:30	2007-08-29
134788	MW-10	water	2007-08-27	13:45	2007-08-29
134789	MW-7	water	2007-08-27	14:00	2007-08-29
134790	MW-32	water	2007-08-27	14:30	2007-08-29
134791	MW-3	water	2007-08-27	15:00	2007-08-29
134792	MW-37	water	2007-08-27	15:30	2007-08-29
134793	MW-16	water	2007-08-28	09:00	2007-08-29
134794	MW-8	water	2007-08-28	09:30	2007-08-29
134795	MW-5	water	2007-08-28	10:00	2007-08-29
134796	MW-6	water	2007-08-28	10:30	2007-08-29
134797	MW-2	water	2007-08-28	11:00	2007-08-29
134798	MW-38	water	2007-08-28	11:30	2007-08-29
134799	MW-1	water	2007-08-28	12:00	2007-08-29
134800	MW-4	water	2007-08-28	12:30	2007-08-29

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 14 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a horizontal line underneath.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 134780 - MW-23

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 40679 Date Analyzed: 2007-08-30 Analyzed By:
Prep Batch: 35176 Sample Preparation: 2007-08-30 Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0965	mg/L	1	0.100	96	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0974	mg/L	1	0.100	97	47.6 - 121.4

Sample: 134781 - MW-26

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 40679 Date Analyzed: 2007-08-30 Analyzed By:
Prep Batch: 35176 Sample Preparation: 2007-08-30 Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0956	mg/L	1	0.100	96	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0977	mg/L	1	0.100	98	47.6 - 121.4

Sample: 134782 - MW-28

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 40679 Date Analyzed: 2007-08-30 Analyzed By:
Prep Batch: 35176 Sample Preparation: 2007-08-30 Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0973	mg/L	1	0.100	97	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	47.6 - 121.4

Sample: 134783 - MW-31

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 40679 Date Analyzed: 2007-08-30 Analyzed By:
Prep Batch: 35176 Sample Preparation: 2007-08-30 Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0980	mg/L	1	0.100	98	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.105	mg/L	1	0.100	105	47.6 - 121.4

Sample: 134784 - MW-33

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 40679 Date Analyzed: 2007-08-30 Analyzed By:
Prep Batch: 35176 Sample Preparation: 2007-08-30 Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0971	mg/L	1	0.100	97	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.104	mg/L	1	0.100	104	47.6 - 121.4

Sample: 134785 - MW-9

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 40679 Date Analyzed: 2007-08-30 Analyzed By:
Prep Batch: 35176 Sample Preparation: 2007-08-30 Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 134785 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0981	mg/L	1	0.100	98	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	47.6 - 121.4

Sample: 134786 - MW-15

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 40679	Date Analyzed: 2007-08-30	Analyzed By:
Prep Batch: 35176	Sample Preparation: 2007-08-30	Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0979	mg/L	1	0.100	98	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.100	mg/L	1	0.100	100	47.6 - 121.4

Sample: 134787 - MW-13

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 40679	Date Analyzed: 2007-08-30	Analyzed By:
Prep Batch: 35176	Sample Preparation: 2007-08-30	Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0946	mg/L	1	0.100	95	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)	¹	0.124	mg/L	1	0.100	124	47.6 - 121.4

¹High surrogate recovery due to peak interference.

Sample: 134788 - MW-10

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 40679	Date Analyzed: 2007-08-30	Analyzed By:
Prep Batch: 35176	Sample Preparation: 2007-08-30	Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0936	mg/L	1	0.100	94	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0982	mg/L	1	0.100	98	47.6 - 121.4

Sample: 134789 - MW-7

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 40679	Date Analyzed: 2007-08-30	Analyzed By:
Prep Batch: 35176	Sample Preparation: 2007-08-30	Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0926	mg/L	1	0.100	93	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0975	mg/L	1	0.100	98	47.6 - 121.4

Sample: 134790 - MW-32

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 40679	Date Analyzed: 2007-08-30	Analyzed By:
Prep Batch: 35176	Sample Preparation: 2007-08-30	Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0966	mg/L	1	0.100	97	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0976	mg/L	1	0.100	98	47.6 - 121.4

Sample: 134791 - MW-3

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 40679 Date Analyzed: 2007-08-30 Analyzed By:
Prep Batch: 35176 Sample Preparation: 2007-08-30 Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0944	mg/L	1	0.100	94	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0968	mg/L	1	0.100	97	47.6 - 121.4

Sample: 134792 - MW-37

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 40679 Date Analyzed: 2007-08-30 Analyzed By:
Prep Batch: 35176 Sample Preparation: 2007-08-30 Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0985	mg/L	1	0.100	98	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0974	mg/L	1	0.100	97	47.6 - 121.4

Sample: 134793 - MW-16

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 40679 Date Analyzed: 2007-08-30 Analyzed By:
Prep Batch: 35176 Sample Preparation: 2007-08-30 Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 134793 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0957	mg/L	1	0.100	96	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.109	mg/L	1	0.100	109	47.6 - 121.4

Sample: 134794 - MW-8

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 40679	Date Analyzed: 2007-08-30	Analyzed By:
Prep Batch: 35176	Sample Preparation: 2007-08-30	Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00400	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0934	mg/L	1	0.100	93	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0967	mg/L	1	0.100	97	47.6 - 121.4

Sample: 134795 - MW-5

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 40679	Date Analyzed: 2007-08-30	Analyzed By:
Prep Batch: 35176	Sample Preparation: 2007-08-30	Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.108	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.0509	mg/L	5	0.00100
Xylene		0.0176	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.448	mg/L	5	0.500	90	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.487	mg/L	5	0.500	97	47.6 - 121.4

Sample: 134796 - MW-6

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 40696	Date Analyzed: 2007-08-31	Analyzed By:
Prep Batch: 35176	Sample Preparation: 2007-08-30	Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00530	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00470	mg/L	1	0.00100
Xylene		0.00700	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0891	mg/L	1	0.100	89	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0995	mg/L	1	0.100	100	47.6 - 121.4

Sample: 134797 - MW-2

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 40696	Date Analyzed: 2007-08-31	Analyzed By:
Prep Batch: 35176	Sample Preparation: 2007-08-30	Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0256	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0104	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0851	mg/L	1	0.100	85	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.112	mg/L	1	0.100	112	47.6 - 121.4

Sample: 134798 - MW-38

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 40696	Date Analyzed: 2007-08-31	Analyzed By:
Prep Batch: 35176	Sample Preparation: 2007-08-30	Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0142	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0371	mg/L	1	0.00100
Xylene		0.00330	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0883	mg/L	1	0.100	88	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	47.6 - 121.4

Sample: 134799 - MW-1

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 40696 Date Analyzed: 2007-08-31 Analyzed By:
Prep Batch: 35176 Sample Preparation: 2007-08-30 Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0683	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.118	mg/L	1	0.00100
Xylene		0.0883	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0960	mg/L	1	0.100	96	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.121	mg/L	1	0.100	121	47.6 - 121.4

Sample: 134800 - MW-4

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 40696 Date Analyzed: 2007-08-31 Analyzed By:
Prep Batch: 35176 Sample Preparation: 2007-08-30 Prepared By:

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0869	mg/L	1	0.100	87	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.100	mg/L	1	0.100	100	47.6 - 121.4

Method Blank (1) QC Batch: 40679

QC Batch: 40679 Date Analyzed: 2007-08-30 Analyzed By:
Prep Batch: 35176 QC Preparation: 2007-08-30 Prepared By:

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0918	mg/L	1	0.100	92	54.8 - 117.8
4-Bromofluorobenzene (4-BFB)		0.0984	mg/L	1	0.100	98	46.7 - 110.4

Method Blank (1) QC Batch: 40696

QC Batch: 40696
Prep Batch: 35176

Date Analyzed: 2007-08-31
QC Preparation: 2007-08-30

Analyzed By:
Prepared By:

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0950	mg/L	1	0.100	95	54.8 - 117.8
4-Bromofluorobenzene (4-BFB)		0.0942	mg/L	1	0.100	94	46.7 - 110.4

Laboratory Control Spike (LCS-1)

QC Batch: 40679
Prep Batch: 35176

Date Analyzed: 2007-08-30
QC Preparation: 2007-08-30

Analyzed By:
Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0885	mg/L	1	0.100	<0.000200	88	66.7 - 120.6
Toluene	0.0913	mg/L	1	0.100	<0.000200	91	73.1 - 118.2
Ethylbenzene	0.0879	mg/L	1	0.100	<0.000200	88	73.7 - 116.2
Xylene	0.264	mg/L	1	0.300	<0.000300	88	75.2 - 116.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.103	mg/L	1	0.100	<0.000200	103	66.7 - 120.6	15	20
Toluene	0.106	mg/L	1	0.100	<0.000200	106	73.1 - 118.2	15	20
Ethylbenzene	0.103	mg/L	1	0.100	<0.000200	103	73.7 - 116.2	16	20
Xylene	0.308	mg/L	1	0.300	<0.000300	103	75.2 - 116.3	15	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0838	0.0906	mg/L	1	0.100	84	91	51.7 - 106.3
4-Bromofluorobenzene (4-BFB)	0.0880	0.0946	mg/L	1	0.100	88	95	51.4 - 117.9

Laboratory Control Spike (LCS-1)

QC Batch: 40696
Prep Batch: 35176

Date Analyzed: 2007-08-31
QC Preparation: 2007-08-30

Analyzed By:
Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0948	mg/L	1	0.100	<0.000200	95	66.7 - 120.6
Toluene	0.0979	mg/L	1	0.100	<0.000200	98	73.1 - 118.2
Ethylbenzene	0.0957	mg/L	1	0.100	<0.000200	96	73.7 - 116.2
Xylene	0.284	mg/L	1	0.300	<0.000300	95	75.2 - 116.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0924	mg/L	1	0.100	<0.000200	92	66.7 - 120.6	3	20
Toluene	0.0943	mg/L	1	0.100	<0.000200	94	73.1 - 118.2	4	20
Ethylbenzene	0.0931	mg/L	1	0.100	<0.000200	93	73.7 - 116.2	3	20
Xylene	0.276	mg/L	1	0.300	<0.000300	92	75.2 - 116.3	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0892	0.0886	mg/L	1	0.100	89	89	51.7 - 106.3
4-Bromofluorobenzene (4-BFB)	0.0908	0.0912	mg/L	1	0.100	91	91	51.4 - 117.9

Matrix Spike (MS-1) Spiked Sample: 134795

QC Batch: 40679
Prep Batch: 35176

Date Analyzed: 2007-08-30
QC Preparation: 2007-08-30

Analyzed By:
Prepared By:

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.551	mg/L	5	0.500	0.1082	88	10 - 180.3
Toluene	0.470	mg/L	5	0.500	<0.00100	94	10 - 180.3
Ethylbenzene	0.508	mg/L	5	0.500	0.0509	91	10 - 173
Xylene	1.38	mg/L	5	1.50	0.0176	91	10 - 173.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.580	mg/L	5	0.500	0.1082	94	10 - 180.3	5	20
Toluene	0.494	mg/L	5	0.500	<0.00100	99	10 - 180.3	5	20
Ethylbenzene	0.538	mg/L	5	0.500	0.0509	97	10 - 173	6	20
Xylene	1.46	mg/L	5	1.50	0.0176	96	10 - 173.3	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.419	0.429	mg/L	5	0.5	84	86	35.6 - 123
4-Bromofluorobenzene (4-BFB)	0.464	0.468	mg/L	5	0.5	93	94	50.8 - 122.8

Standard (ICV-1)

QC Batch: 40679

Date Analyzed: 2007-08-30

Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0916	92	85 - 115	2007-08-30
Toluene		mg/L	0.100	0.0909	91	85 - 115	2007-08-30
Ethylbenzene		mg/L	0.100	0.0870	87	85 - 115	2007-08-30
Xylene		mg/L	0.300	0.260	87	85 - 115	2007-08-30

Standard (CCV-1)

QC Batch: 40679

Date Analyzed: 2007-08-30

Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	85 - 115	2007-08-30
Toluene		mg/L	0.100	0.0999	100	85 - 115	2007-08-30
Ethylbenzene		mg/L	0.100	0.0988	99	85 - 115	2007-08-30
Xylene		mg/L	0.300	0.292	97	85 - 115	2007-08-30

Standard (ICV-1)

QC Batch: 40696

Date Analyzed: 2007-08-31

Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0974	97	85 - 115	2007-08-31
Toluene		mg/L	0.100	0.0989	99	85 - 115	2007-08-31
Ethylbenzene		mg/L	0.100	0.0977	98	85 - 115	2007-08-31
Xylene		mg/L	0.300	0.291	97	85 - 115	2007-08-31

Standard (CCV-1)

QC Batch: 40696

Date Analyzed: 2007-08-31

Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0978	98	85 - 115	2007-08-31
Toluene		mg/L	0.100	0.0977	98	85 - 115	2007-08-31
Ethylbenzene		mg/L	0.100	0.0949	95	85 - 115	2007-08-31

continued ...

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Xylene		mg/L	0.300	0.285	95	85 - 115	2007-08-31

TraceAnalysis, Inc.

email: lab@traceanalysis.com

LAB Order ID # 7082924

Page 2 of 2

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4844
1 (888) 588-3443

Company Name:

Phone #:

432-520-7720

Address: (Street, City, Zip)

2057 Commerce

Fax #:

432-520-7761

Contact Person:

Cost Stanley

E-mail:

Invoice to:

If different from above: PLANS

Project #:

TWM-LF-2000-7

Project Location (including state):

New Mexico

Project Name:

Bob Durbin

Sampler Signature:

Dustin Reed

LAB #	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD					SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
13171 13171	MW-3	2	1000	✓				✓				✓		8/27	1500
13172 13172	MW-37	1	1	✓										↓	1530
13173 13173	MW-16	1	1	✓										8/28	900
13174 13174	MW-8	1	1	✓											930
13175 13175	MW-5	1	1	✓											1000
13176 13176	MW-6	1	1	✓											1030
13177 13177	MW-2	1	1	✓											1100
13178 13178	MW-38	1	1	✓											1130
13179 13179	MW-1	1	1	✓											1200
13180 13180	MW-4	1	1	✓										✓	1230

Relinquished by: Dustin Reed Date: 8/29/07 Time: 8:05 Received by: xx Date: 8/29/07 Time: 8:05

Relinquished by: Dustin Reed Date: 8/29/07 Time: 8:05 Received by: xx Date: 8/29/07 Time: 8:05

Relinquished by: Dustin Reed Date: 8/29/07 Time: 8:05 Received by: xx Date: 8/29/07 Time: 8:05

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ex(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCBs 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard
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REMARKS:

LAB USE ONLY

- ☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Initial: Y N
 Headspace: Y N
 Temp: 3
 Log-in-Review: Y N

Submission of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

Carrier #

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9

200 East Sunset Road, Suite E

5002 Basin Street, Suite A1

8808 Camp Bowie Blvd. West, Suite 180

Lubbock, Texas 79424

El Paso, Texas 79922

Midland, Texas 79703

Ft. Worth, Texas 76116

800•378•1296

888•588•3443

806•794•1296

915•585•3443

432•689•6301

817•201•5260

FAX 806•794•1298

FAX 915•585•4944

FAX 432•689•6313

FAX 817•580•4336

E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Julie Koonce

Nova Safety & Environmental

2057 Commerce St.

Midland, TX, 79703

Report Date: November 29, 2007

Work Order: 7111615



Project Location: West of Monument, NM

Project Name: Bob Durham

Project Number: TNM-LF-2000-7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
143018	MW-11	water	2007-11-14	10:05	2007-11-16
143019	MW-20	water	2007-11-14	10:20	2007-11-16
143020	MW-21	water	2007-11-14	10:45	2007-11-16
143021	MW-23	water	2007-11-14	11:00	2007-11-16
143022	MW-24	water	2007-11-14	11:20	2007-11-16
143023	MW-25	water	2007-11-14	11:45	2007-11-16
143024	MW-26	water	2007-11-14	12:00	2007-11-16
143025	MW-27	water	2007-11-14	12:15	2007-11-16
143026	MW-28	water	2007-11-14	12:30	2007-11-16
143027	MW-29	water	2007-11-14	12:45	2007-11-16
143028	MW-30	water	2007-11-14	13:00	2007-11-16
143029	MW-31	water	2007-11-14	13:20	2007-11-16
143030	MW-33	water	2007-11-14	13:40	2007-11-16
143031	MW-9	water	2007-11-14	14:00	2007-11-16
143032	MW-15	water	2007-11-14	14:15	2007-11-16
143033	MW-13	water	2007-11-14	14:30	2007-11-16
143034	MW-10	water	2007-11-14	14:50	2007-11-16
143035	MW-7	water	2007-11-14	15:10	2007-11-16
143036	MW-32	water	2007-11-14	15:25	2007-11-16
143037	MW-3	water	2007-11-14	15:45	2007-11-16
143038	MW-37	water	2007-11-14	16:00	2007-11-16
143039	MW-16	water	2007-11-14	16:15	2007-11-16
143040	MW-14	water	2007-11-14	16:30	2007-11-16
143041	MW-8	water	2007-11-14	16:45	2007-11-16
143042	MW-6	water	2007-11-14	17:00	2007-11-16
143043	MW-2	water	2007-11-15	10:30	2007-11-16
143044	MW-38	water	2007-11-15	11:00	2007-11-16
143045	MW-1	water	2007-11-15	11:30	2007-11-16
143046	MW-4	water	2007-11-15	12:00	2007-11-16

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.


Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Bob Durham were received by TraceAnalysis, Inc. on 2007-11-16 and assigned to work order 7111615. Samples for work order 7111615 were received intact without headspace and at a temperature of 3.4 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7111615 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 143018 - MW-11

Analysis: BTEX
QC Batch: 43407
Prep Batch: 37434

Analytical Method: S 8021B
Date Analyzed: 2007-11-26
Sample Preparation: 2007-11-26

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0947	mg/L	1	0.100	95	70 - 130
4-Bromofluorobenzene (4-BFB)		0.109	mg/L	1	0.100	109	70 - 130

Sample: 143019 - MW-20

Analysis: BTEX
QC Batch: 43407
Prep Batch: 37434

Analytical Method: S 8021B
Date Analyzed: 2007-11-26
Sample Preparation: 2007-11-26

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0946	mg/L	1	0.100	95	70 - 130
4-Bromofluorobenzene (4-BFB)		0.104	mg/L	1	0.100	104	70 - 130

Sample: 143020 - MW-21

Analysis: BTEX
QC Batch: 43407
Prep Batch: 37434

Analytical Method: S 8021B
Date Analyzed: 2007-11-26
Sample Preparation: 2007-11-26

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0700	mg/L	1	0.100	70	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0794	mg/L	1	0.100	79	70 - 130

Sample: 143021 - MW-23

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43407 Date Analyzed: 2007-11-26 Analyzed By: DC
Prep Batch: 37434 Sample Preparation: 2007-11-26 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0974	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)		0.117	mg/L	1	0.100	117	70 - 130

Sample: 143022 - MW-24

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43407 Date Analyzed: 2007-11-26 Analyzed By: DC
Prep Batch: 37434 Sample Preparation: 2007-11-26 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	70 - 130
4-Bromofluorobenzene (4-BFB)		0.117	mg/L	1	0.100	117	70 - 130

Sample: 143023 - MW-25

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43407 Date Analyzed: 2007-11-26 Analyzed By: DC
Prep Batch: 37434 Sample Preparation: 2007-11-26 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 143023 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.110	mg/L	1	0.100	110	70 - 130
4-Bromofluorobenzene (4-BFB)	1	0.132	mg/L	1	0.100	132	70 - 130

Sample: 143024 - MW-26

Analysis: BTEX
QC Batch: 43407
Prep Batch: 37434

Analytical Method: S 8021B
Date Analyzed: 2007-11-26
Sample Preparation: 2007-11-26

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	70 - 130
4-Bromofluorobenzene (4-BFB)		0.127	mg/L	1	0.100	127	70 - 130

Sample: 143025 - MW-27

Analysis: BTEX
QC Batch: 43407
Prep Batch: 37434

Analytical Method: S 8021B
Date Analyzed: 2007-11-26
Sample Preparation: 2007-11-26

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	70 - 130
4-Bromofluorobenzene (4-BFB)		0.126	mg/L	1	0.100	126	70 - 130

¹High surrogate recovery. Sample non-detect, result bias high.

Sample: 143026 - MW-28

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43407 Date Analyzed: 2007-11-26 Analyzed By: DC
Prep Batch: 37434 Sample Preparation: 2007-11-26 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	70 - 130
4-Bromofluorobenzene (4-BFB)		0.119	mg/L	1	0.100	119	70 - 130

Sample: 143027 - MW-29

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43407 Date Analyzed: 2007-11-26 Analyzed By: DC
Prep Batch: 37434 Sample Preparation: 2007-11-26 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.105	mg/L	1	0.100	105	70 - 130
4-Bromofluorobenzene (4-BFB)		0.123	mg/L	1	0.100	123	70 - 130

Sample: 143028 - MW-30

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43407 Date Analyzed: 2007-11-26 Analyzed By: DC
Prep Batch: 37434 Sample Preparation: 2007-11-26 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0989	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.125	mg/L	1	0.100	125	70 - 130

Sample: 143029 - MW-31

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43407 Date Analyzed: 2007-11-26 Analyzed By: DC
Prep Batch: 37434 Sample Preparation: 2007-11-26 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0990	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.119	mg/L	1	0.100	119	70 - 130

Sample: 143030 - MW-33

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43407 Date Analyzed: 2007-11-26 Analyzed By: DC
Prep Batch: 37434 Sample Preparation: 2007-11-26 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	70 - 130
4-Bromofluorobenzene (4-BFB)		0.122	mg/L	1	0.100	122	70 - 130

Sample: 143031 - MW-9

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43407 Date Analyzed: 2007-11-26 Analyzed By: DC
Prep Batch: 37434 Sample Preparation: 2007-11-26 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 143031 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0956	mg/L	1	0.100	96	70 - 130
4-Bromofluorobenzene (4-BFB)		0.120	mg/L	1	0.100	120	70 - 130

Sample: 143032 - MW-15

Analysis: BTEX
QC Batch: 43407
Prep Batch: 37434

Analytical Method: S 8021B
Date Analyzed: 2007-11-26
Sample Preparation: 2007-11-26

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0993	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.118	mg/L	1	0.100	118	70 - 130

Sample: 143033 - MW-13

Analysis: BTEX
QC Batch: 43447
Prep Batch: 37450

Analytical Method: S 8021B
Date Analyzed: 2007-11-28
Sample Preparation: 2007-11-28

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00110	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0886	mg/L	1	0.100	89	70 - 130
4-Bromofluorobenzene (4-BFB)		0.115	mg/L	1	0.100	115	70 - 130

Sample: 143034 - MW-10

Analysis: BTEX
QC Batch: 43447
Prep Batch: 37450

Analytical Method: S 8021B
Date Analyzed: 2007-11-28
Sample Preparation: 2007-11-28

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0849	mg/L	1	0.100	85	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0960	mg/L	1	0.100	96	70 - 130

Sample: 143035 - MW-7

Analysis: BTEX
QC Batch: 43447
Prep Batch: 37450

Analytical Method: S 8021B
Date Analyzed: 2007-11-28
Sample Preparation: 2007-11-28

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0730	mg/L	1	0.100	73	70 - 130

Sample: 143036 - MW-32

Analysis: BTEX
QC Batch: 43447
Prep Batch: 37450

Analytical Method: S 8021B
Date Analyzed: 2007-11-28
Sample Preparation: 2007-11-28

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.114	mg/L	1	0.100	114	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0704	mg/L	1	0.100	70	70 - 130

Sample: 143037 - MW-3

Analysis: BTEX
QC Batch: 43447
Prep Batch: 37450

Analytical Method: S 8021B
Date Analyzed: 2007-11-28
Sample Preparation: 2007-11-28

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.125	mg/L	1	0.100	125	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0768	mg/L	1	0.100	77	70 - 130

Sample: 143038 - MW-37

Analysis: BTEX
QC Batch: 43447
Prep Batch: 37450

Analytical Method: S 8021B
Date Analyzed: 2007-11-28
Sample Preparation: 2007-11-28

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.124	mg/L	1	0.100	124	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0731	mg/L	1	0.100	73	70 - 130

Sample: 143039 - MW-10

Analysis: BTEX
QC Batch: 43447
Prep Batch: 37450

Analytical Method: S 8021B
Date Analyzed: 2007-11-28
Sample Preparation: 2007-11-28

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 143039 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00780	mg/L	1	0.00100
Xylene		0.00340	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.119	mg/L	1	0.100	119	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0810	mg/L	1	0.100	81	70 - 130

Sample: 143040 - MW-14

Analysis: BTEX
QC Batch: 43447
Prep Batch: 37450

Analytical Method: S 8021B
Date Analyzed: 2007-11-28
Sample Preparation: 2007-11-28

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.122	mg/L	1	0.100	122	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0720	mg/L	1	0.100	72	70 - 130

Sample: 143041 - MW-8

Analysis: BTEX
QC Batch: 43447
Prep Batch: 37450

Analytical Method: S 8021B
Date Analyzed: 2007-11-28
Sample Preparation: 2007-11-28

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.124	mg/L	1	0.100	124	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0715	mg/L	1	0.100	72	70 - 130

Sample: 143042 - MW-0

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43447 Date Analyzed: 2007-11-28 Analyzed By: DC
Prep Batch: 37450 Sample Preparation: 2007-11-28 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00510	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00460	mg/L	1	0.00100
Xylene		0.00830	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.120	mg/L	1	0.100	120	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0730	mg/L	1	0.100	73	70 - 130

Sample: 143043 - MW-2

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43447 Date Analyzed: 2007-11-28 Analyzed By: DC
Prep Batch: 37450 Sample Preparation: 2007-11-28 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0229	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00220	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.124	mg/L	1	0.100	124	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0836	mg/L	1	0.100	84	70 - 130

Sample: 143044 - MW-38

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 43447 Date Analyzed: 2007-11-28 Analyzed By: DC
Prep Batch: 37450 Sample Preparation: 2007-11-28 Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0243	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0879	mg/L	1	0.00100
Xylene		0.00880	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.122	mg/L	1	0.100	122	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0783	mg/L	1	0.100	78	70 - 130

Sample: 143045 - MW-1

Analysis: BTEX
QC Batch: 43447
Prep Batch: 37450

Analytical Method: S 8021B
Date Analyzed: 2007-11-28
Sample Preparation: 2007-11-28

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.121	mg/L	1	0.100	121	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0739	mg/L	1	0.100	74	70 - 130

Sample: 143046 - MW-4

Analysis: BTEX
QC Batch: 43447
Prep Batch: 37450

Analytical Method: S 8021B
Date Analyzed: 2007-11-28
Sample Preparation: 2007-11-28

Prep Method: S 5030B
Analyzed By: DC
Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00220	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00340	mg/L	1	0.00100
Xylene		0.00270	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.121	mg/L	1	0.100	121	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0747	mg/L	1	0.100	75	70 - 130

Method Blank (1) QC Batch: 43407

QC Batch: 43407
Prep Batch: 37434

Date Analyzed: 2007-11-26
QC Preparation: 2007-11-26

Analyzed By: DC
Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000300	mg/L	0.001
Toluene		<0.000200	mg/L	0.001

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Ethylbenzene		<0.000500	mg/L	0.001
Xylene		<0.000400	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.110	mg/L	1	0.100	110	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0908	mg/L	1	0.100	91	70 - 130

Method Blank (1) QC Batch: 43447

QC Batch: 43447
Prep Batch: 37450

Date Analyzed: 2007-11-28
QC Preparation: 2007-11-28

Analyzed By: DC
Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000300	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000500	mg/L	0.001
Xylene		<0.000400	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0883	mg/L	1	0.100	88	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0966	mg/L	1	0.100	97	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 43407
Prep Batch: 37434

Date Analyzed: 2007-11-26
QC Preparation: 2007-11-26

Analyzed By: DC
Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0923	mg/L	1	0.100	<0.000300	92	70 - 130
Toluene	0.0948	mg/L	1	0.100	<0.000200	95	70 - 130
Ethylbenzene	0.0980	mg/L	1	0.100	<0.000500	98	70 - 130
Xylene	0.295	mg/L	1	0.300	<0.000400	98	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0918	mg/L	1	0.100	<0.000300	92	70 - 130	0	
Toluene	0.0912	mg/L	1	0.100	<0.000200	91	70 - 130	4	
Ethylbenzene	0.0904	mg/L	1	0.100	<0.000500	90	70 - 130	8	
Xylene	0.271	mg/L	1	0.300	<0.000400	90	70 - 130	8	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0898	0.103	mg/L	1	0.100	90	103	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0822	0.0899	mg/L	1	0.100	82	90	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 43447
Prep Batch: 37450

Date Analyzed: 2007-11-28
QC Preparation: 2007-11-28

Analyzed By: DC
Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0965	mg/L	1	0.100	<0.000300	96	70 - 130
Toluene	0.0969	mg/L	1	0.100	<0.000200	97	70 - 130
Ethylbenzene	0.0964	mg/L	1	0.100	<0.000500	96	70 - 130
Xylene	0.288	mg/L	1	0.300	<0.000400	96	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0927	mg/L	1	0.100	<0.000300	93	70 - 130	4	
Toluene	0.0912	mg/L	1	0.100	<0.000200	91	70 - 130	6	
Ethylbenzene	0.0907	mg/L	1	0.100	<0.000500	91	70 - 130	6	
Xylene	0.272	mg/L	1	0.300	<0.000400	91	70 - 130	6	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0874	0.0851	mg/L	1	0.100	87	85	70 - 130
4-Bromofluorobenzene (4-BFB)	0.101	0.0991	mg/L	1	0.100	101	99	70 - 130

Matrix Spike (MS-1) Spiked Sample: 143013

QC Batch: 43407
Prep Batch: 37434

Date Analyzed: 2007-11-26
QC Preparation: 2007-11-26

Analyzed By: DC
Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.454	mg/L	5	0.500	<0.00150	91	70 - 130
Toluene	0.472	mg/L	5	0.500	<0.00100	94	70 - 130
Ethylbenzene	0.487	mg/L	5	0.500	<0.00250	97	70 - 130
Xylene	1.47	mg/L	5	1.50	<0.00200	98	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.428	mg/L	5	0.500	<0.00150	86	70 - 130	6	
Toluene	0.430	mg/L	5	0.500	<0.00100	86	70 - 130	9	
Ethylbenzene	0.427	mg/L	5	0.500	<0.00250	85	70 - 130	13	
Xylene	1.28	mg/L	5	1.50	<0.00200	85	70 - 130	14	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.350	0.387	mg/L	5	0.5	70	77	70 - 130
4-Bromofluorobenzene (4-BFB)	0.387	0.384	mg/L	5	0.5	77	77	70 - 130

Matrix Spike (MS-1) Spiked Sample: 143159

QC Batch: 43447
Prep Batch: 37450

Date Analyzed: 2007-11-28
QC Preparation: 2007-11-28

Analyzed By: DC
Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.478	mg/L	5	0.500	<0.00150	96	70 - 130
Toluene	0.470	mg/L	5	0.500	<0.00100	94	70 - 130
Ethylbenzene	0.462	mg/L	5	0.500	<0.00250	92	70 - 130
Xylene	1.38	mg/L	5	1.50	<0.00200	92	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.479	mg/L	5	0.500	<0.00150	96	70 - 130	0	
Toluene	0.472	mg/L	5	0.500	<0.00100	94	70 - 130	0	
Ethylbenzene	0.467	mg/L	5	0.500	<0.00250	93	70 - 130	1	
Xylene	1.39	mg/L	5	1.50	<0.00200	93	70 - 130	1	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.578	0.575	mg/L	5	0.5	116	115	70 - 130
4-Bromofluorobenzene (4-BFB)	0.349	0.353	mg/L	5	0.5	70	71	70 - 130

Standard (ICV-1)

QC Batch: 43407

Date Analyzed: 2007-11-26

Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0965	96	85 - 115	2007-11-26
Toluene		mg/L	0.100	0.0968	97	85 - 115	2007-11-26
Ethylbenzene		mg/L	0.100	0.0959	96	85 - 115	2007-11-26
Xylene		mg/L	0.300	0.286	95	85 - 115	2007-11-26

Standard (CCV-1)

QC Batch: 43407

Date Analyzed: 2007-11-26

Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0853	85	85 - 115	2007-11-26

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/L	0.100	0.0852	85	85 - 115	2007-11-26
Ethylbenzene		mg/L	0.100	0.0861	86	85 - 115	2007-11-26
Xylene		mg/L	0.300	0.257	86	85 - 115	2007-11-26

Standard (ICV-1)

QC Batch: 43447

Date Analyzed: 2007-11-28

Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0989	99	85 - 115	2007-11-28
Toluene		mg/L	0.100	0.0959	96	85 - 115	2007-11-28
Ethylbenzene		mg/L	0.100	0.0933	93	85 - 115	2007-11-28
Xylene		mg/L	0.300	0.279	93	85 - 115	2007-11-28

Standard (CCV-1)

QC Batch: 43447

Date Analyzed: 2007-11-28

Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0976	98	85 - 115	2007-11-28
Toluene		mg/L	0.100	0.0964	96	85 - 115	2007-11-28
Ethylbenzene		mg/L	0.100	0.0961	96	85 - 115	2007-11-28
Xylene		mg/L	0.300	0.287	96	85 - 115	2007-11-28