

**APPENDIX 1**

**ANALYTICAL LABORATORY REPORT**



20-Dec-2010

Paul Stork  
MACTEC Engineering & Consulting, Inc.  
521 Byers Road, Suite 204  
Miamisburg, OH 45342

Re: **Textron- TORX GW- Dec. 2010**

Work Order: **1012276**

Dear Paul,

ALS Environmental received 28 samples on 09-Dec-2010 through 10-Dec-2010 for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 81.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston  
Project Manager



Certificate No: IL100452

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Environmental ALS

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**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** Textron- TORX GW- Dec. 2010  
**Work Order:** 1012276

**Work Order Sample Summary**

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1012276-01	MTR-MW39(76.8)-G120710	Groundwater		12/7/2010 10:52	12/9/2010 14:15	<input type="checkbox"/>
1012276-02	MTR-MW39(29.3)-G120710	Groundwater		12/7/2010 11:15	12/9/2010 14:15	<input type="checkbox"/>
1012276-03	MTR-MW39(13)-G120710	Groundwater		12/7/2010 11:52	12/9/2010 14:15	<input type="checkbox"/>
1012276-04	MTR-MW38(102.5)-G120710	Groundwater		12/7/2010 13:13	12/9/2010 14:15	<input type="checkbox"/>
1012276-05	MTR-MW38(69.9)-G120710	Groundwater		12/7/2010 13:59	12/9/2010 14:15	<input type="checkbox"/>
1012276-06	MTR-MW38(69.9)-G120710R	Groundwater		12/7/2010 13:59	12/9/2010 14:15	<input type="checkbox"/>
1012276-07	MTR-MW38(29.1)-G120710	Groundwater		12/7/2010 14:31	12/9/2010 14:15	<input type="checkbox"/>
1012276-08	MTR-MW38(20.8)-G120710	Groundwater		12/7/2010 14:55	12/9/2010 14:15	<input type="checkbox"/>
1012276-09	MTR-EB001-120710	Water		12/7/2010 16:00	12/9/2010 14:15	<input type="checkbox"/>
1012276-10	MTR-MW35(148)-G120810	Groundwater		12/8/2010 10:05	12/9/2010 14:15	<input type="checkbox"/>
1012276-11	MTR-MW37(23.3)-G120710	Groundwater		12/7/2010 13:58	12/9/2010 14:15	<input type="checkbox"/>
1012276-12	MTR-MW37(98)-G120710	Groundwater		12/7/2010 11:05	12/9/2010 14:15	<input type="checkbox"/>
1012276-13	MTR-MW37(70)-G120710	Groundwater		12/7/2010 13:15	12/9/2010 14:15	<input type="checkbox"/>
1012276-14	MTR-MW37(98)-G120710R	Groundwater		12/7/2010 11:05	12/9/2010 14:15	<input type="checkbox"/>
1012276-15	MTR-MW36(35.2)-G120710	Groundwater		12/7/2010 16:30	12/9/2010 14:15	<input type="checkbox"/>
1012276-16	MTR-MW36(92.4)-G120710	Groundwater		12/7/2010 15:45	12/9/2010 14:15	<input type="checkbox"/>
1012276-17	MTR-MW36(124.5)-G120710	Groundwater		12/7/2010 14:55	12/9/2010 14:15	<input type="checkbox"/>
1012276-18	MTR-EB002-120710	Water		12/7/2010 17:15	12/9/2010 14:15	<input type="checkbox"/>
1012276-19	MTR-MW35(90)-G120810	Groundwater		12/8/2010 09:30	12/9/2010 14:15	<input type="checkbox"/>
1012276-20	MTR-MW49(20)-G120810	Groundwater		12/8/2010 12:28	12/9/2010 14:15	<input type="checkbox"/>
1012276-21	MTR-MW49(200)-G120810	Groundwater		12/8/2010 11:35	12/9/2010 14:15	<input type="checkbox"/>
1012276-22	MTR-MW49(45)-G120810	Groundwater		12/8/2010 12:17	12/9/2010 14:15	<input type="checkbox"/>
1012276-23	MTR-MW49(95)-G120810	Groundwater		12/8/2010 11:35	12/9/2010 14:15	<input type="checkbox"/>
1012276-24	MTR-MW35(45)-G120810	Groundwater		12/8/2010 10:17	12/9/2010 14:15	<input type="checkbox"/>
1012276-25	MTR-EB001-120810	Water		12/8/2010 12:43	12/9/2010 14:15	<input type="checkbox"/>
1012276-26	MTR-EB002-120810	Water		12/8/2010 12:45	12/9/2010 14:15	<input type="checkbox"/>
1012276-27	MTR-FB001-120810	Water		12/8/2010 12:50	12/9/2010 14:15	<input type="checkbox"/>
1012276-28	MTR-TB001-120710	Water		12/7/2010	12/10/2010 16:30	<input type="checkbox"/>

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**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Case Narrative**

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Batch R84751 RPD between the LCS and LCSD recoveries for 4-Methyl-2-pentanone was above control limits, but the individual LCS and LCSD recoveries met quality control criteria.

Batch R84754 MS/MSD data for Volatiles is not related to this project's samples.

The Trip Blank have reportable J-flagged results for two compounds. It was determined to be carry over from samples run right before. The analyst did not re-run this sample because the results were below the PQL.

**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** Textron- TORX GW- Dec. 2010  
**WorkOrder:** 1012276

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW39(76.8)-G120710

**Lab ID:** 1012276-01

**Collection Date:** 12/7/2010 10:52 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 05:56 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 05:56 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 05:56 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 05:56 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:56 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 05:56 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 05:56 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 05:56 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 05:56 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 05:56 PM
Acetone	U		20	µg/L	1	12/11/2010 05:56 PM
Benzene	U		1.0	µg/L	1	12/11/2010 05:56 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 05:56 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 05:56 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 05:56 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 05:56 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 05:56 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 05:56 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 05:56 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 05:56 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 05:56 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:56 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 05:56 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 05:56 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 05:56 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 05:56 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 05:56 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 05:56 PM
Styrene	U		1.0	µg/L	1	12/11/2010 05:56 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 05:56 PM
Toluene	U		1.0	µg/L	1	12/11/2010 05:56 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:56 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 05:56 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 05:56 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 05:56 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 05:56 PM
Surr: 1,2-Dichloroethane-d4	91.0		70-120	%REC	1	12/11/2010 05:56 PM
Surr: 4-Bromofluorobenzene	87.7		75-120	%REC	1	12/11/2010 05:56 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/11/2010 05:56 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW39(76.8)-G120710

**Lab ID:** 1012276-01

**Collection Date:** 12/7/2010 10:52 AM

**Matrix:** GROUNDWATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	101		85-120	%REC	1	12/11/2010 05:56 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW39(29.3)-G120710

**Lab ID:** 1012276-02

**Collection Date:** 12/7/2010 11:15 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 06:22 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 06:22 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 06:22 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 06:22 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:22 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 06:22 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 06:22 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 06:22 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 06:22 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 06:22 PM
Acetone	U		20	µg/L	1	12/11/2010 06:22 PM
Benzene	U		1.0	µg/L	1	12/11/2010 06:22 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 06:22 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 06:22 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 06:22 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 06:22 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 06:22 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 06:22 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 06:22 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 06:22 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 06:22 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:22 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 06:22 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 06:22 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 06:22 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 06:22 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 06:22 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 06:22 PM
Styrene	U		1.0	µg/L	1	12/11/2010 06:22 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 06:22 PM
Toluene	U		1.0	µg/L	1	12/11/2010 06:22 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:22 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 06:22 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 06:22 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 06:22 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 06:22 PM
Surr: 1,2-Dichloroethane-d4	91.1		70-120	%REC	1	12/11/2010 06:22 PM
Surr: 4-Bromofluorobenzene	93.7		75-120	%REC	1	12/11/2010 06:22 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/11/2010 06:22 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW39(29.3)-G120710

**Collection Date:** 12/7/2010 11:15 AM

**Work Order:** 1012276

**Lab ID:** 1012276-02

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	100		85-120	%REC	1	12/11/2010 06:22 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW39(13)-G120710

**Lab ID:** 1012276-03

**Collection Date:** 12/7/2010 11:52 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 06:48 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 06:48 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 06:48 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 06:48 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:48 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 06:48 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 06:48 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 06:48 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 06:48 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 06:48 PM
Acetone	U		20	µg/L	1	12/11/2010 06:48 PM
Benzene	U		1.0	µg/L	1	12/11/2010 06:48 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 06:48 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 06:48 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 06:48 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 06:48 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 06:48 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 06:48 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 06:48 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 06:48 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 06:48 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:48 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 06:48 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 06:48 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 06:48 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 06:48 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 06:48 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 06:48 PM
Styrene	U		1.0	µg/L	1	12/11/2010 06:48 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 06:48 PM
Toluene	U		1.0	µg/L	1	12/11/2010 06:48 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:48 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 06:48 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 06:48 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 06:48 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 06:48 PM
Surr: 1,2-Dichloroethane-d4	91.7		70-120	%REC	1	12/11/2010 06:48 PM
Surr: 4-Bromofluorobenzene	82.3		75-120	%REC	1	12/11/2010 06:48 PM
Surr: Dibromofluoromethane	100		85-115	%REC	1	12/11/2010 06:48 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

**Date:** 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW39(13)-G120710

**Lab ID:** 1012276-03

**Collection Date:** 12/7/2010 11:52 AM

**Matrix:** GROUNDWATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 06:48 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW38(102.5)-G120710

**Lab ID:** 1012276-04

**Collection Date:** 12/7/2010 01:13 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 07:14 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 07:14 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 07:14 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 07:14 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:14 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 07:14 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 07:14 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 07:14 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 07:14 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 07:14 PM
Acetone	U		20	µg/L	1	12/11/2010 07:14 PM
Benzene	U		1.0	µg/L	1	12/11/2010 07:14 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 07:14 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 07:14 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 07:14 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 07:14 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 07:14 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 07:14 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 07:14 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 07:14 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 07:14 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:14 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 07:14 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 07:14 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 07:14 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 07:14 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 07:14 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 07:14 PM
Styrene	U		1.0	µg/L	1	12/11/2010 07:14 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 07:14 PM
Toluene	U		1.0	µg/L	1	12/11/2010 07:14 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:14 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 07:14 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 07:14 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 07:14 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 07:14 PM
Surr: 1,2-Dichloroethane-d4	91.3		70-120	%REC	1	12/11/2010 07:14 PM
Surr: 4-Bromofluorobenzene	94.9		75-120	%REC	1	12/11/2010 07:14 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/11/2010 07:14 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW38(102.5)-G120710

**Collection Date:** 12/7/2010 01:13 PM

**Work Order:** 1012276

**Lab ID:** 1012276-04

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	101		85-120	%REC	1	12/11/2010 07:14 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW38(69.9)-G120710

**Lab ID:** 1012276-05

**Collection Date:** 12/7/2010 01:59 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 07:40 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 07:40 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 07:40 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 07:40 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:40 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 07:40 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 07:40 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 07:40 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 07:40 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 07:40 PM
Acetone	U		20	µg/L	1	12/11/2010 07:40 PM
Benzene	U		1.0	µg/L	1	12/11/2010 07:40 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 07:40 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 07:40 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 07:40 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 07:40 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 07:40 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 07:40 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 07:40 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 07:40 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 07:40 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:40 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 07:40 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 07:40 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 07:40 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 07:40 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 07:40 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 07:40 PM
Styrene	U		1.0	µg/L	1	12/11/2010 07:40 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 07:40 PM
Toluene	U		1.0	µg/L	1	12/11/2010 07:40 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:40 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 07:40 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 07:40 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 07:40 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 07:40 PM
Surr: 1,2-Dichloroethane-d4	91.8		70-120	%REC	1	12/11/2010 07:40 PM
Surr: 4-Bromofluorobenzene	93.8		75-120	%REC	1	12/11/2010 07:40 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 07:40 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW38(69.9)-G120710

**Collection Date:** 12/7/2010 01:59 PM

**Work Order:** 1012276

**Lab ID:** 1012276-05

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	101		85-120	%REC	1	12/11/2010 07:40 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW38(69.9)-G120710R

**Lab ID:** 1012276-06

**Collection Date:** 12/7/2010 01:59 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 08:06 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 08:06 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 08:06 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 08:06 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:06 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 08:06 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 08:06 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 08:06 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 08:06 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 08:06 PM
Acetone	U		20	µg/L	1	12/11/2010 08:06 PM
Benzene	U		1.0	µg/L	1	12/11/2010 08:06 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 08:06 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 08:06 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 08:06 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 08:06 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 08:06 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 08:06 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 08:06 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 08:06 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 08:06 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:06 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 08:06 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 08:06 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 08:06 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 08:06 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 08:06 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 08:06 PM
Styrene	U		1.0	µg/L	1	12/11/2010 08:06 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 08:06 PM
Toluene	U		1.0	µg/L	1	12/11/2010 08:06 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:06 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 08:06 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 08:06 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 08:06 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 08:06 PM
Surr: 1,2-Dichloroethane-d4	89.5		70-120	%REC	1	12/11/2010 08:06 PM
Surr: 4-Bromofluorobenzene	94.2		75-120	%REC	1	12/11/2010 08:06 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 08:06 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW38(69.9)-G120710R

**Lab ID:** 1012276-06

**Collection Date:** 12/7/2010 01:59 PM

**Matrix:** GROUNDWATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 08:06 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW38(29.1)-G120710

**Lab ID:** 1012276-07

**Collection Date:** 12/7/2010 02:31 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 08:31 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 08:31 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 08:31 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 08:31 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:31 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 08:31 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 08:31 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 08:31 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 08:31 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 08:31 PM
Acetone	U		20	µg/L	1	12/11/2010 08:31 PM
Benzene	U		1.0	µg/L	1	12/11/2010 08:31 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 08:31 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 08:31 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 08:31 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 08:31 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 08:31 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 08:31 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 08:31 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 08:31 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 08:31 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:31 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 08:31 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 08:31 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 08:31 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 08:31 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 08:31 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 08:31 PM
Styrene	U		1.0	µg/L	1	12/11/2010 08:31 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 08:31 PM
Toluene	U		1.0	µg/L	1	12/11/2010 08:31 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:31 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 08:31 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 08:31 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 08:31 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 08:31 PM
Surr: 1,2-Dichloroethane-d4	92.0		70-120	%REC	1	12/11/2010 08:31 PM
Surr: 4-Bromofluorobenzene	93.6		75-120	%REC	1	12/11/2010 08:31 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 08:31 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW38(29.1)-G120710

**Collection Date:** 12/7/2010 02:31 PM

**Work Order:** 1012276

**Lab ID:** 1012276-07

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.9		85-120	%REC	1	12/11/2010 08:31 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW38(20.8)-G120710

**Lab ID:** 1012276-08

**Collection Date:** 12/7/2010 02:55 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 08:57 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 08:57 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 08:57 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 08:57 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:57 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 08:57 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 08:57 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 08:57 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 08:57 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 08:57 PM
Acetone	U		20	µg/L	1	12/11/2010 08:57 PM
Benzene	U		1.0	µg/L	1	12/11/2010 08:57 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 08:57 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 08:57 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 08:57 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 08:57 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 08:57 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 08:57 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 08:57 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 08:57 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 08:57 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:57 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 08:57 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 08:57 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 08:57 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 08:57 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 08:57 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 08:57 PM
Styrene	U		1.0	µg/L	1	12/11/2010 08:57 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 08:57 PM
Toluene	U		1.0	µg/L	1	12/11/2010 08:57 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:57 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 08:57 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 08:57 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 08:57 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 08:57 PM
Surr: 1,2-Dichloroethane-d4	92.0		70-120	%REC	1	12/11/2010 08:57 PM
Surr: 4-Bromofluorobenzene	94.2		75-120	%REC	1	12/11/2010 08:57 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 08:57 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW38(20.8)-G120710

**Collection Date:** 12/7/2010 02:55 PM

**Work Order:** 1012276

**Lab ID:** 1012276-08

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 08:57 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-EB001-120710

**Lab ID:** 1012276-09

**Collection Date:** 12/7/2010 04:00 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 05:30 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 05:30 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 05:30 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 05:30 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:30 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 05:30 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 05:30 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 05:30 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 05:30 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 05:30 PM
Acetone	U		20	µg/L	1	12/11/2010 05:30 PM
Benzene	U		1.0	µg/L	1	12/11/2010 05:30 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 05:30 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 05:30 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 05:30 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 05:30 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 05:30 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 05:30 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 05:30 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 05:30 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 05:30 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:30 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 05:30 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 05:30 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 05:30 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 05:30 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 05:30 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 05:30 PM
Styrene	U		1.0	µg/L	1	12/11/2010 05:30 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 05:30 PM
Toluene	U		1.0	µg/L	1	12/11/2010 05:30 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:30 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 05:30 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 05:30 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 05:30 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 05:30 PM
Surr: 1,2-Dichloroethane-d4	91.3		70-120	%REC	1	12/11/2010 05:30 PM
Surr: 4-Bromofluorobenzene	86.9		75-120	%REC	1	12/11/2010 05:30 PM
Surr: Dibromofluoromethane	100		85-115	%REC	1	12/11/2010 05:30 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-EB001-120710

**Lab ID:** 1012276-09

**Collection Date:** 12/7/2010 04:00 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.8		85-120	%REC	1	12/11/2010 05:30 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW35(148)-G120810

**Lab ID:** 1012276-10

**Collection Date:** 12/8/2010 10:05 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 09:23 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 09:23 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 09:23 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 09:23 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:23 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 09:23 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 09:23 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 09:23 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 09:23 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 09:23 PM
Acetone	U		20	µg/L	1	12/11/2010 09:23 PM
Benzene	U		1.0	µg/L	1	12/11/2010 09:23 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 09:23 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 09:23 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 09:23 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 09:23 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 09:23 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 09:23 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 09:23 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 09:23 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 09:23 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:23 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 09:23 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 09:23 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 09:23 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 09:23 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 09:23 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 09:23 PM
Styrene	U		1.0	µg/L	1	12/11/2010 09:23 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 09:23 PM
Toluene	U		1.0	µg/L	1	12/11/2010 09:23 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:23 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 09:23 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 09:23 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 09:23 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 09:23 PM
Surr: 1,2-Dichloroethane-d4	92.8		70-120	%REC	1	12/11/2010 09:23 PM
Surr: 4-Bromofluorobenzene	86.8		75-120	%REC	1	12/11/2010 09:23 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 09:23 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW35(148)-G120810

**Collection Date:** 12/8/2010 10:05 AM

**Work Order:** 1012276

**Lab ID:** 1012276-10

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 09:23 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW37(23.3)-G120710

**Lab ID:** 1012276-11

**Collection Date:** 12/7/2010 01:58 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 09:49 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 09:49 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 09:49 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 09:49 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:49 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 09:49 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 09:49 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 09:49 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 09:49 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 09:49 PM
Acetone	U		20	µg/L	1	12/11/2010 09:49 PM
Benzene	U		1.0	µg/L	1	12/11/2010 09:49 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 09:49 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 09:49 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 09:49 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 09:49 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 09:49 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 09:49 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 09:49 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 09:49 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 09:49 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:49 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 09:49 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 09:49 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 09:49 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 09:49 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 09:49 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 09:49 PM
Styrene	U		1.0	µg/L	1	12/11/2010 09:49 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 09:49 PM
Toluene	U		1.0	µg/L	1	12/11/2010 09:49 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:49 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 09:49 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 09:49 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 09:49 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 09:49 PM
Surr: 1,2-Dichloroethane-d4	92.6		70-120	%REC	1	12/11/2010 09:49 PM
Surr: 4-Bromofluorobenzene	93.7		75-120	%REC	1	12/11/2010 09:49 PM
Surr: Dibromofluoromethane	103		85-115	%REC	1	12/11/2010 09:49 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW37(23.3)-G120710

**Collection Date:** 12/7/2010 01:58 PM

**Work Order:** 1012276

**Lab ID:** 1012276-11

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.9		85-120	%REC	1	12/11/2010 09:49 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW37(98)-G120710

**Lab ID:** 1012276-12

**Collection Date:** 12/7/2010 11:05 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 10:15 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 10:15 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 10:15 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 10:15 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:15 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 10:15 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 10:15 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 10:15 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 10:15 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 10:15 PM
Acetone	U		20	µg/L	1	12/11/2010 10:15 PM
Benzene	U		1.0	µg/L	1	12/11/2010 10:15 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 10:15 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 10:15 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 10:15 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 10:15 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 10:15 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 10:15 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 10:15 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 10:15 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 10:15 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:15 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 10:15 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 10:15 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 10:15 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 10:15 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 10:15 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 10:15 PM
Styrene	U		1.0	µg/L	1	12/11/2010 10:15 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 10:15 PM
Toluene	U		1.0	µg/L	1	12/11/2010 10:15 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:15 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 10:15 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 10:15 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 10:15 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 10:15 PM
Surr: 1,2-Dichloroethane-d4	92.3		70-120	%REC	1	12/11/2010 10:15 PM
Surr: 4-Bromofluorobenzene	93.9		75-120	%REC	1	12/11/2010 10:15 PM
Surr: Dibromofluoromethane	103		85-115	%REC	1	12/11/2010 10:15 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

**Date:** 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW37(98)-G120710

**Lab ID:** 1012276-12

**Collection Date:** 12/7/2010 11:05 AM

**Matrix:** GROUNDWATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	100		85-120	%REC	1	12/11/2010 10:15 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW37(70)-G120710

**Lab ID:** 1012276-13

**Collection Date:** 12/7/2010 01:15 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 10:41 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 10:41 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 10:41 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 10:41 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:41 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 10:41 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 10:41 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 10:41 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 10:41 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 10:41 PM
Acetone	U		20	µg/L	1	12/11/2010 10:41 PM
Benzene	U		1.0	µg/L	1	12/11/2010 10:41 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 10:41 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 10:41 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 10:41 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 10:41 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 10:41 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 10:41 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 10:41 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 10:41 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 10:41 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:41 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 10:41 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 10:41 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 10:41 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 10:41 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 10:41 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 10:41 PM
Styrene	U		1.0	µg/L	1	12/11/2010 10:41 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 10:41 PM
Toluene	U		1.0	µg/L	1	12/11/2010 10:41 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:41 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 10:41 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 10:41 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 10:41 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 10:41 PM
Surr: 1,2-Dichloroethane-d4	91.6		70-120	%REC	1	12/11/2010 10:41 PM
Surr: 4-Bromofluorobenzene	94.2		75-120	%REC	1	12/11/2010 10:41 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 10:41 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW37(70)-G120710

**Collection Date:** 12/7/2010 01:15 PM

**Work Order:** 1012276

**Lab ID:** 1012276-13

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 10:41 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW37(98)-G120710R

**Lab ID:** 1012276-14

**Collection Date:** 12/7/2010 11:05 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 11:06 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 11:06 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 11:06 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 11:06 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:06 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 11:06 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 11:06 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 11:06 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 11:06 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 11:06 PM
Acetone	U		20	µg/L	1	12/11/2010 11:06 PM
Benzene	U		1.0	µg/L	1	12/11/2010 11:06 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 11:06 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 11:06 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 11:06 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 11:06 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 11:06 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 11:06 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 11:06 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 11:06 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 11:06 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:06 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 11:06 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 11:06 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 11:06 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 11:06 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 11:06 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 11:06 PM
Styrene	U		1.0	µg/L	1	12/11/2010 11:06 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 11:06 PM
Toluene	U		1.0	µg/L	1	12/11/2010 11:06 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:06 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 11:06 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 11:06 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 11:06 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 11:06 PM
Surr: 1,2-Dichloroethane-d4	91.9		70-120	%REC	1	12/11/2010 11:06 PM
Surr: 4-Bromofluorobenzene	93.6		75-120	%REC	1	12/11/2010 11:06 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 11:06 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW37(98)-G120710R

**Collection Date:** 12/7/2010 11:05 AM

**Work Order:** 1012276

**Lab ID:** 1012276-14

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	100		85-120	%REC	1	12/11/2010 11:06 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW36(35.2)-G120710

**Lab ID:** 1012276-15

**Collection Date:** 12/7/2010 04:30 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 11:32 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 11:32 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 11:32 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 11:32 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:32 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 11:32 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 11:32 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 11:32 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 11:32 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 11:32 PM
Acetone	U		20	µg/L	1	12/11/2010 11:32 PM
Benzene	U		1.0	µg/L	1	12/11/2010 11:32 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 11:32 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 11:32 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 11:32 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 11:32 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 11:32 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 11:32 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 11:32 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 11:32 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 11:32 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:32 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 11:32 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 11:32 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 11:32 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 11:32 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 11:32 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 11:32 PM
Styrene	U		1.0	µg/L	1	12/11/2010 11:32 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 11:32 PM
Toluene	U		1.0	µg/L	1	12/11/2010 11:32 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:32 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 11:32 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 11:32 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 11:32 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 11:32 PM
Surr: 1,2-Dichloroethane-d4	92.6		70-120	%REC	1	12/11/2010 11:32 PM
Surr: 4-Bromofluorobenzene	94.1		75-120	%REC	1	12/11/2010 11:32 PM
Surr: Dibromofluoromethane	103		85-115	%REC	1	12/11/2010 11:32 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW36(35.2)-G120710

**Collection Date:** 12/7/2010 04:30 PM

**Work Order:** 1012276

**Lab ID:** 1012276-15

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 11:32 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW36(92.4)-G120710

**Lab ID:** 1012276-16

**Collection Date:** 12/7/2010 03:45 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 11:58 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 11:58 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 11:58 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 11:58 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:58 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 11:58 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 11:58 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 11:58 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 11:58 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 11:58 PM
Acetone	U		20	µg/L	1	12/11/2010 11:58 PM
Benzene	U		1.0	µg/L	1	12/11/2010 11:58 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 11:58 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 11:58 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 11:58 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 11:58 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 11:58 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 11:58 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 11:58 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 11:58 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 11:58 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:58 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 11:58 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 11:58 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 11:58 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 11:58 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 11:58 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 11:58 PM
Styrene	U		1.0	µg/L	1	12/11/2010 11:58 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 11:58 PM
Toluene	U		1.0	µg/L	1	12/11/2010 11:58 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:58 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 11:58 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 11:58 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 11:58 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 11:58 PM
Surr: 1,2-Dichloroethane-d4	92.2		70-120	%REC	1	12/11/2010 11:58 PM
Surr: 4-Bromofluorobenzene	93.8		75-120	%REC	1	12/11/2010 11:58 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 11:58 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW36(92.4)-G120710

**Collection Date:** 12/7/2010 03:45 PM

**Work Order:** 1012276

**Lab ID:** 1012276-16

**Matrix:** GROUNDWATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 11:58 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW36(124.5)-G120710

**Lab ID:** 1012276-17

**Collection Date:** 12/7/2010 02:55 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 07:07 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 07:07 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 07:07 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 07:07 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:07 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 07:07 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 07:07 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 07:07 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 07:07 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 07:07 PM
Acetone	U		20	µg/L	1	12/11/2010 07:07 PM
Benzene	U		1.0	µg/L	1	12/11/2010 07:07 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 07:07 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 07:07 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 07:07 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 07:07 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 07:07 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 07:07 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 07:07 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 07:07 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 07:07 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:07 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 07:07 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 07:07 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 07:07 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 07:07 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 07:07 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 07:07 PM
Styrene	U		1.0	µg/L	1	12/11/2010 07:07 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 07:07 PM
Toluene	U		1.0	µg/L	1	12/11/2010 07:07 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:07 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 07:07 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 07:07 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 07:07 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 07:07 PM
Surr: 1,2-Dichloroethane-d4	106		70-120	%REC	1	12/11/2010 07:07 PM
Surr: 4-Bromofluorobenzene	93.3		75-120	%REC	1	12/11/2010 07:07 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/11/2010 07:07 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW36(124.5)-G120710

**Lab ID:** 1012276-17

**Collection Date:** 12/7/2010 02:55 PM

**Matrix:** GROUNDWATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.8		85-120	%REC	1	12/11/2010 07:07 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-EB002-120710

**Lab ID:** 1012276-18

**Collection Date:** 12/7/2010 05:15 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 05:04 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 05:04 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 05:04 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 05:04 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:04 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 05:04 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 05:04 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 05:04 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 05:04 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 05:04 PM
Acetone	U		20	µg/L	1	12/11/2010 05:04 PM
Benzene	U		1.0	µg/L	1	12/11/2010 05:04 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 05:04 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 05:04 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 05:04 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 05:04 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 05:04 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 05:04 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 05:04 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 05:04 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 05:04 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:04 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 05:04 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 05:04 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 05:04 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 05:04 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 05:04 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 05:04 PM
Styrene	U		1.0	µg/L	1	12/11/2010 05:04 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 05:04 PM
Toluene	U		1.0	µg/L	1	12/11/2010 05:04 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:04 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 05:04 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 05:04 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 05:04 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 05:04 PM
Surr: 1,2-Dichloroethane-d4	91.3		70-120	%REC	1	12/11/2010 05:04 PM
Surr: 4-Bromofluorobenzene	94.4		75-120	%REC	1	12/11/2010 05:04 PM
Surr: Dibromofluoromethane	100		85-115	%REC	1	12/11/2010 05:04 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

**Date:** 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-EB002-120710

**Lab ID:** 1012276-18

**Collection Date:** 12/7/2010 05:15 PM

**Matrix:** WATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	99.4		85-120	%REC	1	12/11/2010 05:04 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW35(90)-G120810

**Lab ID:** 1012276-19

**Collection Date:** 12/8/2010 09:30 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 07:32 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 07:32 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 07:32 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 07:32 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:32 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 07:32 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 07:32 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 07:32 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 07:32 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 07:32 PM
Acetone	U		20	µg/L	1	12/11/2010 07:32 PM
Benzene	U		1.0	µg/L	1	12/11/2010 07:32 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 07:32 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 07:32 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 07:32 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 07:32 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 07:32 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 07:32 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 07:32 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 07:32 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 07:32 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:32 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 07:32 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 07:32 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 07:32 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 07:32 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 07:32 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 07:32 PM
Styrene	U		1.0	µg/L	1	12/11/2010 07:32 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 07:32 PM
Toluene	U		1.0	µg/L	1	12/11/2010 07:32 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:32 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 07:32 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 07:32 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 07:32 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 07:32 PM
Surr: 1,2-Dichloroethane-d4	101		70-120	%REC	1	12/11/2010 07:32 PM
Surr: 4-Bromofluorobenzene	92.1		75-120	%REC	1	12/11/2010 07:32 PM
Surr: Dibromofluoromethane	98.9		85-115	%REC	1	12/11/2010 07:32 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW35(90)-G120810

**Collection Date:** 12/8/2010 09:30 AM

**Work Order:** 1012276

**Lab ID:** 1012276-19

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	99.6		85-120	%REC	1	12/11/2010 07:32 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW49(20)-G120810

**Lab ID:** 1012276-20

**Collection Date:** 12/8/2010 12:28 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 07:57 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 07:57 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 07:57 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 07:57 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:57 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 07:57 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 07:57 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 07:57 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 07:57 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 07:57 PM
Acetone	U		20	µg/L	1	12/11/2010 07:57 PM
Benzene	U		1.0	µg/L	1	12/11/2010 07:57 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 07:57 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 07:57 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 07:57 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 07:57 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 07:57 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 07:57 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 07:57 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 07:57 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 07:57 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:57 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 07:57 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 07:57 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 07:57 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 07:57 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 07:57 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 07:57 PM
Styrene	U		1.0	µg/L	1	12/11/2010 07:57 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 07:57 PM
Toluene	U		1.0	µg/L	1	12/11/2010 07:57 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 07:57 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 07:57 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 07:57 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 07:57 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 07:57 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/11/2010 07:57 PM
Surr: 4-Bromofluorobenzene	91.5		75-120	%REC	1	12/11/2010 07:57 PM
Surr: Dibromofluoromethane	99.4		85-115	%REC	1	12/11/2010 07:57 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW49(20)-G120810

**Lab ID:** 1012276-20

**Collection Date:** 12/8/2010 12:28 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.5		85-120	%REC	1	12/11/2010 07:57 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW49(200)-G120810

**Lab ID:** 1012276-21

**Collection Date:** 12/8/2010 11:35 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 08:23 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 08:23 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 08:23 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 08:23 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:23 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 08:23 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 08:23 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 08:23 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 08:23 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 08:23 PM
Acetone	U		20	µg/L	1	12/11/2010 08:23 PM
Benzene	U		1.0	µg/L	1	12/11/2010 08:23 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 08:23 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 08:23 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 08:23 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 08:23 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 08:23 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 08:23 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 08:23 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 08:23 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 08:23 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:23 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 08:23 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 08:23 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 08:23 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 08:23 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 08:23 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 08:23 PM
Styrene	U		1.0	µg/L	1	12/11/2010 08:23 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 08:23 PM
Toluene	U		1.0	µg/L	1	12/11/2010 08:23 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:23 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 08:23 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 08:23 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 08:23 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 08:23 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/11/2010 08:23 PM
Surr: 4-Bromofluorobenzene	94.8		75-120	%REC	1	12/11/2010 08:23 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 08:23 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW49(200)-G120810

**Lab ID:** 1012276-21

**Collection Date:** 12/8/2010 11:35 AM

**Matrix:** GROUNDWATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	102		85-120	%REC	1	12/11/2010 08:23 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW49(45)-G120810

**Lab ID:** 1012276-22

**Collection Date:** 12/8/2010 12:17 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 08:49 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 08:49 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 08:49 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 08:49 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:49 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 08:49 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 08:49 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 08:49 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 08:49 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 08:49 PM
Acetone	U		20	µg/L	1	12/11/2010 08:49 PM
Benzene	U		1.0	µg/L	1	12/11/2010 08:49 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 08:49 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 08:49 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 08:49 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 08:49 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 08:49 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 08:49 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 08:49 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 08:49 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 08:49 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:49 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 08:49 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 08:49 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 08:49 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 08:49 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 08:49 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 08:49 PM
Styrene	U		1.0	µg/L	1	12/11/2010 08:49 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 08:49 PM
Toluene	U		1.0	µg/L	1	12/11/2010 08:49 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 08:49 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 08:49 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 08:49 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 08:49 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 08:49 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/11/2010 08:49 PM
Surr: 4-Bromofluorobenzene	94.6		75-120	%REC	1	12/11/2010 08:49 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/11/2010 08:49 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW49(45)-G120810

**Collection Date:** 12/8/2010 12:17 PM

**Work Order:** 1012276

**Lab ID:** 1012276-22

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 08:49 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW49(95)-G120810

**Lab ID:** 1012276-23

**Collection Date:** 12/8/2010 11:35 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 09:14 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 09:14 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 09:14 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 09:14 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:14 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 09:14 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 09:14 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 09:14 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 09:14 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 09:14 PM
Acetone	U		20	µg/L	1	12/11/2010 09:14 PM
Benzene	U		1.0	µg/L	1	12/11/2010 09:14 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 09:14 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 09:14 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 09:14 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 09:14 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 09:14 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 09:14 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 09:14 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 09:14 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 09:14 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:14 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 09:14 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 09:14 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 09:14 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 09:14 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 09:14 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 09:14 PM
Styrene	U		1.0	µg/L	1	12/11/2010 09:14 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 09:14 PM
Toluene	U		1.0	µg/L	1	12/11/2010 09:14 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:14 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 09:14 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 09:14 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 09:14 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 09:14 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/11/2010 09:14 PM
Surr: 4-Bromofluorobenzene	91.3		75-120	%REC	1	12/11/2010 09:14 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 09:14 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW49(95)-G120810

**Collection Date:** 12/8/2010 11:35 AM

**Work Order:** 1012276

**Lab ID:** 1012276-23

**Matrix:** GROUNDWATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	100		85-120	%REC	1	12/11/2010 09:14 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-MW35(45)-G120810

**Lab ID:** 1012276-24

**Collection Date:** 12/8/2010 10:17 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 09:40 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 09:40 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 09:40 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 09:40 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:40 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 09:40 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 09:40 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 09:40 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 09:40 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 09:40 PM
Acetone	U		20	µg/L	1	12/11/2010 09:40 PM
Benzene	U		1.0	µg/L	1	12/11/2010 09:40 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 09:40 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 09:40 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 09:40 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 09:40 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 09:40 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 09:40 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 09:40 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 09:40 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 09:40 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:40 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 09:40 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 09:40 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 09:40 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 09:40 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 09:40 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 09:40 PM
Styrene	U		1.0	µg/L	1	12/11/2010 09:40 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 09:40 PM
Toluene	U		1.0	µg/L	1	12/11/2010 09:40 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 09:40 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 09:40 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 09:40 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 09:40 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 09:40 PM
Surr: 1,2-Dichloroethane-d4	101		70-120	%REC	1	12/11/2010 09:40 PM
Surr: 4-Bromofluorobenzene	92.9		75-120	%REC	1	12/11/2010 09:40 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/11/2010 09:40 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-MW35(45)-G120810

**Collection Date:** 12/8/2010 10:17 AM

**Work Order:** 1012276

**Lab ID:** 1012276-24

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.7		85-120	%REC	1	12/11/2010 09:40 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-EB001-120810

**Lab ID:** 1012276-25

**Collection Date:** 12/8/2010 12:43 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 03:47 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 03:47 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 03:47 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 03:47 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 03:47 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 03:47 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 03:47 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 03:47 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 03:47 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 03:47 PM
Acetone	U		20	µg/L	1	12/11/2010 03:47 PM
Benzene	U		1.0	µg/L	1	12/11/2010 03:47 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 03:47 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 03:47 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 03:47 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 03:47 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 03:47 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 03:47 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 03:47 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 03:47 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 03:47 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 03:47 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 03:47 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 03:47 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 03:47 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 03:47 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 03:47 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 03:47 PM
Styrene	U		1.0	µg/L	1	12/11/2010 03:47 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 03:47 PM
Toluene	U		1.0	µg/L	1	12/11/2010 03:47 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 03:47 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 03:47 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 03:47 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 03:47 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 03:47 PM
Surr: 1,2-Dichloroethane-d4	89.8		70-120	%REC	1	12/11/2010 03:47 PM
Surr: 4-Bromofluorobenzene	95.0		75-120	%REC	1	12/11/2010 03:47 PM
Surr: Dibromofluoromethane	99.3		85-115	%REC	1	12/11/2010 03:47 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-EB001-120810

**Collection Date:** 12/8/2010 12:43 PM

**Work Order:** 1012276

**Lab ID:** 1012276-25

**Matrix:** WATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.9		85-120	%REC	1	12/11/2010 03:47 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-EB002-120810

**Lab ID:** 1012276-26

**Collection Date:** 12/8/2010 12:45 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 04:13 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 04:13 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 04:13 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 04:13 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 04:13 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 04:13 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 04:13 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 04:13 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 04:13 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 04:13 PM
Acetone	U		20	µg/L	1	12/11/2010 04:13 PM
Benzene	U		1.0	µg/L	1	12/11/2010 04:13 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 04:13 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 04:13 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 04:13 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 04:13 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 04:13 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 04:13 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 04:13 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 04:13 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 04:13 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 04:13 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 04:13 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 04:13 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 04:13 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 04:13 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 04:13 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 04:13 PM
Styrene	U		1.0	µg/L	1	12/11/2010 04:13 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 04:13 PM
Toluene	U		1.0	µg/L	1	12/11/2010 04:13 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 04:13 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 04:13 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 04:13 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 04:13 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 04:13 PM
Surr: 1,2-Dichloroethane-d4	90.2		70-120	%REC	1	12/11/2010 04:13 PM
Surr: 4-Bromofluorobenzene	94.7		75-120	%REC	1	12/11/2010 04:13 PM
Surr: Dibromofluoromethane	99.9		85-115	%REC	1	12/11/2010 04:13 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

**Date:** 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-EB002-120810

**Lab ID:** 1012276-26

**Collection Date:** 12/8/2010 12:45 PM

**Matrix:** WATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	86.8		85-120	%REC	1	12/11/2010 04:13 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-FB001-120810

**Lab ID:** 1012276-27

**Collection Date:** 12/8/2010 12:50 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 04:39 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 04:39 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 04:39 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 04:39 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 04:39 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 04:39 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 04:39 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 04:39 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 04:39 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 04:39 PM
Acetone	U		20	µg/L	1	12/11/2010 04:39 PM
Benzene	U		1.0	µg/L	1	12/11/2010 04:39 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 04:39 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 04:39 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 04:39 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 04:39 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 04:39 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 04:39 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 04:39 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 04:39 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 04:39 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 04:39 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 04:39 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 04:39 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 04:39 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 04:39 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 04:39 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 04:39 PM
Styrene	U		1.0	µg/L	1	12/11/2010 04:39 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 04:39 PM
Toluene	U		1.0	µg/L	1	12/11/2010 04:39 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 04:39 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 04:39 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 04:39 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 04:39 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 04:39 PM
Surr: 1,2-Dichloroethane-d4	90.7		70-120	%REC	1	12/11/2010 04:39 PM
Surr: 4-Bromofluorobenzene	84.5		75-120	%REC	1	12/11/2010 04:39 PM
Surr: Dibromofluoromethane	99.5		85-115	%REC	1	12/11/2010 04:39 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-FB001-120810

**Collection Date:** 12/8/2010 12:50 PM

**Work Order:** 1012276

**Lab ID:** 1012276-27

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 04:39 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Work Order:** 1012276

**Sample ID:** MTR-TB001-120710

**Lab ID:** 1012276-28

**Collection Date:** 12/7/2010

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 07:01 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 07:01 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 07:01 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 07:01 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 07:01 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 07:01 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 07:01 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 07:01 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 07:01 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 07:01 PM
Acetone	U		20	µg/L	1	12/12/2010 07:01 PM
Benzene	U		1.0	µg/L	1	12/12/2010 07:01 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 07:01 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 07:01 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 07:01 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 07:01 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 07:01 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 07:01 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 07:01 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 07:01 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 07:01 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.52</b>	<b>J</b>	<b>1.0</b>	<b>µg/L</b>	<b>1</b>	12/12/2010 07:01 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 07:01 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 07:01 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 07:01 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 07:01 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 07:01 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 07:01 PM
Styrene	U		1.0	µg/L	1	12/12/2010 07:01 PM
<b>Tetrachloroethene</b>	<b>1.0</b>	<b>J</b>	<b>2.0</b>	<b>µg/L</b>	<b>1</b>	12/12/2010 07:01 PM
Toluene	U		1.0	µg/L	1	12/12/2010 07:01 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 07:01 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 07:01 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 07:01 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 07:01 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 07:01 PM
Surr: 1,2-Dichloroethane-d4	101		70-120	%REC	1	12/12/2010 07:01 PM
Surr: 4-Bromofluorobenzene	97.7		75-120	%REC	1	12/12/2010 07:01 PM
Surr: Dibromofluoromethane	99.2		85-115	%REC	1	12/12/2010 07:01 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 20-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron- TORX GW- Dec. 2010

**Sample ID:** MTR-TB001-120710

**Collection Date:** 12/7/2010

**Work Order:** 1012276

**Lab ID:** 1012276-28

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.7		85-120	%REC	1	12/12/2010 07:01 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

Client: MACTEC Engineering & Consulting, Inc.

**QC BATCH REPORT**

Work Order: 1012276

Project: Textron- TORX GW- Dec. 2010

Batch ID: **R84751** Instrument ID **VMS8** Method: **SW8260**

**MBLK** Sample ID: **VBLKW1-101211-R84751** Units: **µg/L** Analysis Date: **12/11/2010 03:21 PM**

Client ID: Run ID: **VMS8\_101211A** SeqNo: **1504706** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Dibromochloromethane	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Methylene chloride	U	5.0								
o-Xylene	U	1.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								
trans-1,2-Dichloroethene	U	1.0								
trans-1,3-Dichloropropene	U	1.0								
Trichloroethene	U	1.0								
Vinyl chloride	U	1.0								
Xylenes, Total	U	2.0								
Surr: 1,2-Dichloroethane-d4	90.12	0	100	0	90.1	70-120	0			
Surr: 4-Bromofluorobenzene	83.02	0	100	0	83	75-120	0			
Surr: Dibromofluoromethane	98.66	0	100	0	98.7	85-115	0			
Surr: Toluene-d8	101.1	0	100	0	101	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012276

Project: Textron- TORX GW- Dec. 2010

# QC BATCH REPORT

Batch ID: R84751

Instrument ID VMS8

Method: SW8260

LCS Sample ID: VLCSW1-101211-R84751 Units: µg/L Analysis Date: 12/11/2010 02:03 PM

Client ID: Run ID: VMS8\_101211A SeqNo: 1504660 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.72	1.0	20	0	98.6	65-130	0			
1,1,2,2-Tetrachloroethane	17.43	1.0	20	0	87.2	65-130	0			
1,1,2-Trichloroethane	19.26	1.0	20	0	96.3	75-125	0			
1,1-Dichloroethane	21.79	1.0	20	0	109	70-135	0			
1,1-Dichloroethene	21.71	1.0	20	0	109	70-130	0			
1,2-Dichloroethane	17.7	1.0	20	0	88.5	70-130	0			
1,2-Dichloropropane	22.62	2.0	20	0	113	75-125	0			
2-Butanone	20.14	5.0	20	0	101	30-150	0			
2-Hexanone	20.47	5.0	20	0	102	55-130	0			
4-Methyl-2-pentanone	18.17	5.0	20	0	90.8	60-135	0			
Acetone	21.61	20	20	0	108	40-140	0			
Benzene	21.24	1.0	20	0	106	80-120	0			
Bromodichloromethane	19.68	1.0	20	0	98.4	75-120	0			
Bromoform	17.91	1.0	20	0	89.6	70-130	0			
Bromomethane	24.09	1.0	20	0	120	30-145	0			
Carbon disulfide	23.19	2.5	20	0	116	35-165	0			
Carbon tetrachloride	18.13	1.0	20	0	90.6	65-140	0			
Chlorobenzene	19.85	1.0	20	0	99.2	80-120	0			
Chloroethane	18.28	1.0	20	0	91.4	60-135	0			
Chloroform	18.53	1.0	20	0	92.6	65-135	0			
Chloromethane	24.09	1.0	20	0	120	70-125	0			
cis-1,2-Dichloroethene	21.1	1.0	20	0	106	70-125	0			
cis-1,3-Dichloropropene	19.6	1.0	20	0	98	70-130	0			
Dibromochloromethane	19.02	1.0	20	0	95.1	60-135	0			
Ethylbenzene	20.34	1.0	20	0	102	75-125	0			
m,p-Xylene	39.65	2.0	40	0	99.1	75-130	0			
Methylene chloride	18.68	5.0	20	0	93.4	55-140	0			
o-Xylene	20.26	1.0	20	0	101	80-120	0			
Styrene	20.78	1.0	20	0	104	65-135	0			
Tetrachloroethene	20.65	2.0	20	0	103	45-150	0			
Toluene	19.27	1.0	20	0	96.4	75-120	0			
trans-1,2-Dichloroethene	19.98	1.0	20	0	99.9	60-140	0			
trans-1,3-Dichloropropene	21.38	1.0	20	0	107	55-140	0			
Trichloroethene	21.18	1.0	20	0	106	70-125	0			
Vinyl chloride	27.04	1.0	20	0	135	50-145	0			
Xylenes, Total	59.91	2.0	60	0	99.8	75-130	0			
Surr: 1,2-Dichloroethane-d4	88.65	0	100	0	88.6	70-120	0			
Surr: 4-Bromofluorobenzene	89.57	0	100	0	89.6	75-120	0			
Surr: Dibromofluoromethane	95.24	0	100	0	95.2	85-115	0			
Surr: Toluene-d8	89.25	0	100	0	89.2	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

# QC BATCH REPORT

Work Order: 1012276

Project: Textron- TORX GW- Dec. 2010

Batch ID: R84751

Instrument ID VMS8

Method: SW8260

LCSD Sample ID: VLCS DW1-101211-R84751 Units: µg/L Analysis Date: 12/11/2010 02:29 PM

Client ID: Run ID: VMS8\_101211A SeqNo: 1504662 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	18.6	1.0	20	0	93	65-130	19.72	5.85	30	
1,1,2,2-Tetrachloroethane	23.15	1.0	20	0	116	65-130	17.43	28.2	30	
1,1,2-Trichloroethane	20.29	1.0	20	0	101	75-125	19.26	5.21	30	
1,1-Dichloroethane	20.55	1.0	20	0	103	70-135	21.79	5.86	30	
1,1-Dichloroethene	20.1	1.0	20	0	100	70-130	21.71	7.7	30	
1,2-Dichloroethane	17.49	1.0	20	0	87.4	70-130	17.7	1.19	30	
1,2-Dichloropropane	21.72	2.0	20	0	109	75-125	22.62	4.06	30	
2-Butanone	20.49	5.0	20	0	102	30-150	20.14	1.72	30	
2-Hexanone	22.11	5.0	20	0	111	55-130	20.47	7.7	30	
4-Methyl-2-pentanone	24.76	5.0	20	0	124	60-135	18.17	30.7	30	R
Acetone	20.92	20	20	0	105	40-140	21.61	3.24	30	
Benzene	20.42	1.0	20	0	102	80-120	21.24	3.94	30	
Bromodichloromethane	19.06	1.0	20	0	95.3	75-120	19.68	3.2	30	
Bromoform	20.79	1.0	20	0	104	70-130	17.91	14.9	30	
Bromomethane	22.62	1.0	20	0	113	30-145	24.09	6.29	30	
Carbon disulfide	21.44	2.5	20	0	107	35-165	23.19	7.84	30	
Carbon tetrachloride	16.99	1.0	20	0	85	65-140	18.13	6.49	30	
Chlorobenzene	19.04	1.0	20	0	95.2	80-120	19.85	4.17	30	
Chloroethane	17.04	1.0	20	0	85.2	60-135	18.28	7.02	30	
Chloroform	17.88	1.0	20	0	89.4	65-135	18.53	3.57	30	
Chloromethane	21.21	1.0	20	0	106	70-125	24.09	12.7	30	
cis-1,2-Dichloroethene	20.22	1.0	20	0	101	70-125	21.1	4.26	30	
cis-1,3-Dichloropropene	21.42	1.0	20	0	107	70-130	19.6	8.87	30	
Dibromochloromethane	20.17	1.0	20	0	101	60-135	19.02	5.87	30	
Ethylbenzene	19.6	1.0	20	0	98	75-125	20.34	3.71	30	
m,p-Xylene	38.69	2.0	40	0	96.7	75-130	39.65	2.45	30	
Methylene chloride	16.26	5.0	20	0	81.3	55-140	18.68	13.9	30	
o-Xylene	22.23	1.0	20	0	111	80-120	20.26	9.27	30	
Styrene	23.46	1.0	20	0	117	65-135	20.78	12.1	30	
Tetrachloroethene	22.66	2.0	20	0	113	45-150	20.65	9.28	30	
Toluene	23.16	1.0	20	0	116	75-120	19.27	18.3	30	
trans-1,2-Dichloroethene	18.94	1.0	20	0	94.7	60-140	19.98	5.34	30	
trans-1,3-Dichloropropene	24.16	1.0	20	0	121	55-140	21.38	12.2	30	
Trichloroethene	19.99	1.0	20	0	100	70-125	21.18	5.78	30	
Vinyl chloride	25.04	1.0	20	0	125	50-145	27.04	7.68	30	
Xylenes, Total	60.92	2.0	60	0	102	75-130	59.91	1.67	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>88.71</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>88.7</i>	<i>70-120</i>	<i>88.65</i>	<i>0.0677</i>	<i>30</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>112.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>113</i>	<i>75-120</i>	<i>89.57</i>	<i>23</i>	<i>30</i>	
<i>Surr: Dibromofluoromethane</i>	<i>96.15</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>96.2</i>	<i>85-115</i>	<i>95.24</i>	<i>0.951</i>	<i>30</i>	
<i>Surr: Toluene-d8</i>	<i>117</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>117</i>	<i>85-120</i>	<i>89.25</i>	<i>27</i>	<i>30</i>	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012276  
 Project: Textron- TORX GW- Dec. 2010

# QC BATCH REPORT

Batch ID: **R84751** Instrument ID **VMS8** Method: **SW8260**

MS		Sample ID: <b>1012276-01A MS</b>			Units: <b>µg/L</b>		Analysis Date: <b>12/12/2010 12:24 PM</b>			
Client ID: <b>MTR-MW39(76.8)-G120710</b>		Run ID: <b>VMS8_101211A</b>			SeqNo: <b>1505128</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.19	1.0	20	0	101	65-130	0			
1,1,2,2-Tetrachloroethane	19.65	1.0	20	0	98.2	65-130	0			
1,1,2-Trichloroethane	19.43	1.0	20	0	97.2	75-125	0			
1,1-Dichloroethane	21.89	1.0	20	0	109	70-135	0			
1,1-Dichloroethene	22.92	1.0	20	0	115	70-130	0			
1,2-Dichloroethane	18.51	1.0	20	0	92.6	70-130	0			
1,2-Dichloropropane	22.51	2.0	20	0	113	75-125	0			
2-Butanone	20.78	5.0	20	0	104	30-150	0			
2-Hexanone	19.48	5.0	20	0	97.4	55-130	0			
4-Methyl-2-pentanone	19.6	5.0	20	0	98	60-135	0			
Acetone	24.38	20	20	0	122	40-140	0			
Benzene	21.84	1.0	20	0	109	80-120	0			
Bromodichloromethane	20.88	1.0	20	0	104	75-120	0			
Bromoform	18.98	1.0	20	0	94.9	70-130	0			
Bromomethane	17.23	1.0	20	0	86.2	30-145	0			
Carbon disulfide	23.8	2.5	20	0	119	35-165	0			
Carbon tetrachloride	19.2	1.0	20	0	96	65-140	0			
Chlorobenzene	19.88	1.0	20	0	99.4	80-120	0			
Chloroethane	19.11	1.0	20	0	95.6	60-135	0			
Chloroform	19.33	1.0	20	0	96.6	65-135	0			
Chloromethane	23.57	1.0	20	0	118	70-125	0			
cis-1,2-Dichloroethene	21.42	1.0	20	0	107	70-125	0			
cis-1,3-Dichloropropene	20.51	1.0	20	0	103	70-130	0			
Dibromochloromethane	19.63	1.0	20	0	98.2	60-135	0			
Ethylbenzene	20.39	1.0	20	0	102	75-125	0			
m,p-Xylene	39.89	2.0	40	0	99.7	75-130	0			
Methylene chloride	16.51	5.0	20	0	82.6	55-140	0			
o-Xylene	20.38	1.0	20	0	102	80-120	0			
Styrene	20.68	1.0	20	0	103	65-135	0			
Tetrachloroethene	23.07	2.0	20	0	115	45-150	0			
Toluene	20.78	1.0	20	0	104	75-120	0			
trans-1,2-Dichloroethene	19.63	1.0	20	0	98.2	60-140	0			
trans-1,3-Dichloropropene	19.61	1.0	20	0	98	55-140	0			
Trichloroethene	21.42	1.0	20	0	107	70-125	0			
Vinyl chloride	28.51	1.0	20	0	143	50-145	0			
Xylenes, Total	60.27	2.0	60	0	100	75-130	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>93.24</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>93.2</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>98.87</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98.9</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>100.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>100.4</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012276

Project: Textron- TORX GW- Dec. 2010

# QC BATCH REPORT

Batch ID: R84751

Instrument ID VMS8

Method: SW8260

MSD		Sample ID: 1012276-01A MSD				Units: µg/L		Analysis Date: 12/12/2010 12:49 PM		
Client ID: MTR-MW39(76.8)-G120710		Run ID: VMS8_101211A				SeqNo: 1505129		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.11	1.0	20	0	95.6	65-130	20.19	5.5	30	
1,1,2,2-Tetrachloroethane	19.13	1.0	20	0	95.6	65-130	19.65	2.68	30	
1,1,2-Trichloroethane	18.87	1.0	20	0	94.4	75-125	19.43	2.92	30	
1,1-Dichloroethane	21.54	1.0	20	0	108	70-135	21.89	1.61	30	
1,1-Dichloroethene	21.45	1.0	20	0	107	70-130	22.92	6.63	30	
1,2-Dichloroethane	17.99	1.0	20	0	90	70-130	18.51	2.85	30	
1,2-Dichloropropane	21.9	2.0	20	0	110	75-125	22.51	2.75	30	
2-Butanone	20.43	5.0	20	0	102	30-150	20.78	1.7	30	
2-Hexanone	19.38	5.0	20	0	96.9	55-130	19.48	0.515	30	
4-Methyl-2-pentanone	19.04	5.0	20	0	95.2	60-135	19.6	2.9	30	
Acetone	23.89	20	20	0	119	40-140	24.38	2.03	30	
Benzene	21	1.0	20	0	105	80-120	21.84	3.92	30	
Bromodichloromethane	19.66	1.0	20	0	98.3	75-120	20.88	6.02	30	
Bromoform	17.64	1.0	20	0	88.2	70-130	18.98	7.32	30	
Bromomethane	18.85	1.0	20	0	94.2	30-145	17.23	8.98	30	
Carbon disulfide	20.19	2.5	20	0	101	35-165	23.8	16.4	30	
Carbon tetrachloride	17.48	1.0	20	0	87.4	65-140	19.2	9.38	30	
Chlorobenzene	19.49	1.0	20	0	97.4	80-120	19.88	1.98	30	
Chloroethane	18.04	1.0	20	0	90.2	60-135	19.11	5.76	30	
Chloroform	18.59	1.0	20	0	93	65-135	19.33	3.9	30	
Chloromethane	20.91	1.0	20	0	105	70-125	23.57	12	30	
cis-1,2-Dichloroethene	20.72	1.0	20	0	104	70-125	21.42	3.32	30	
cis-1,3-Dichloropropene	19.87	1.0	20	0	99.4	70-130	20.51	3.17	30	
Dibromochloromethane	18.72	1.0	20	0	93.6	60-135	19.63	4.75	30	
Ethylbenzene	19.8	1.0	20	0	99	75-125	20.39	2.94	30	
m,p-Xylene	38.83	2.0	40	0	97.1	75-130	39.89	2.69	30	
Methylene chloride	16.86	5.0	20	0	84.3	55-140	16.51	2.1	30	
o-Xylene	19.9	1.0	20	0	99.5	80-120	20.38	2.38	30	
Styrene	20.09	1.0	20	0	100	65-135	20.68	2.89	30	
Tetrachloroethene	22.09	2.0	20	0	110	45-150	23.07	4.34	30	
Toluene	20.14	1.0	20	0	101	75-120	20.78	3.13	30	
trans-1,2-Dichloroethene	19.25	1.0	20	0	96.2	60-140	19.63	1.95	30	
trans-1,3-Dichloropropene	19	1.0	20	0	95	55-140	19.61	3.16	30	
Trichloroethene	20.58	1.0	20	0	103	70-125	21.42	4	30	
Vinyl chloride	26.09	1.0	20	0	130	50-145	28.51	8.86	30	
Xylenes, Total	58.73	2.0	60	0	97.9	75-130	60.27	2.59	30	
Surr: 1,2-Dichloroethane-d4	92.96	0	100	0	93	70-120	93.24	0.301	30	
Surr: 4-Bromofluorobenzene	98.55	0	100	0	98.6	75-120	98.87	0.324	30	
Surr: Dibromofluoromethane	98.65	0	100	0	98.6	85-115	100.2	1.59	30	
Surr: Toluene-d8	101	0	100	0	101	85-120	100.4	0.616	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** MACTEC Engineering & Consulting, Inc.

**Work Order:** 1012276

**Project:** Textron- TORX GW- Dec. 2010

## QC BATCH REPORT

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Batch ID: **R84751**

Instrument ID **VMS8**

Method: **SW8260**

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**The following samples were analyzed in this batch:**

1012276-01A	1012276-02A	1012276-03A
1012276-04A	1012276-05A	1012276-06A
1012276-07A	1012276-08A	1012276-09A
1012276-10A	1012276-11A	1012276-12A
1012276-13A	1012276-14A	1012276-15A
1012276-16A	1012276-18A	1012276-25A
1012276-26A	1012276-27A	

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

# QC BATCH REPORT

Work Order: 1012276

Project: Textron- TORX GW- Dec. 2010

Batch ID: R84754

Instrument ID VMS5

Method: SW8260

MBLK Sample ID: VBLKW1-101211-R84754 Units: µg/L Analysis Date: 12/11/2010 04:32 PM

Client ID: Run ID: VMS5\_101211A SeqNo: 1505131 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Dibromochloromethane	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Methylene chloride	U	5.0								
o-Xylene	U	1.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								
trans-1,2-Dichloroethene	U	1.0								
trans-1,3-Dichloropropene	U	1.0								
Trichloroethene	U	1.0								
Vinyl chloride	U	1.0								
Xylenes, Total	U	2.0								
Surr: 1,2-Dichloroethane-d4	99.55	0	100	0	99.6	70-120	0			
Surr: 4-Bromofluorobenzene	94.04	0	100	0	94	75-120	0			
Surr: Dibromofluoromethane	97.94	0	100	0	97.9	85-115	0			
Surr: Toluene-d8	100.6	0	100	0	101	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012276  
 Project: Textron- TORX GW- Dec. 2010

# QC BATCH REPORT

Batch ID: **R84754** Instrument ID **VMS5** Method: **SW8260**

LCS Sample ID: **VLCSW1-101211-R84754** Units: **µg/L** Analysis Date: **12/11/2010 03:13 PM**

Client ID: Run ID: **VMS5\_101211A** SeqNo: **1504705** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.87	1.0	20	0	104	65-130	0			
1,1,2,2-Tetrachloroethane	18.36	1.0	20	0	91.8	65-130	0			
1,1,2-Trichloroethane	18.72	1.0	20	0	93.6	75-125	0			
1,1-Dichloroethane	21.42	1.0	20	0	107	70-135	0			
1,1-Dichloroethene	22.89	1.0	20	0	114	70-130	0			
1,2-Dichloroethane	19.19	1.0	20	0	96	70-130	0			
1,2-Dichloropropane	19.25	2.0	20	0	96.2	75-125	0			
2-Butanone	14.89	5.0	20	0	74.4	30-150	0			
2-Hexanone	17.34	5.0	20	0	86.7	55-130	0			
4-Methyl-2-pentanone	17.99	5.0	20	0	90	60-135	0			
Acetone	19.99	20	20	0	100	40-140	0			J
Benzene	19.85	1.0	20	0	99.2	80-120	0			
Bromodichloromethane	20.76	1.0	20	0	104	75-120	0			
Bromoform	19.19	1.0	20	0	96	70-130	0			
Bromomethane	25.5	1.0	20	0	128	30-145	0			
Carbon disulfide	25.47	2.5	20	0	127	35-165	0			
Carbon tetrachloride	20.59	1.0	20	0	103	65-140	0			
Chlorobenzene	20.36	1.0	20	0	102	80-120	0			
Chloroethane	20.99	1.0	20	0	105	60-135	0			
Chloroform	20.11	1.0	20	0	101	65-135	0			
Chloromethane	21.71	1.0	20	0	109	70-125	0			
cis-1,2-Dichloroethene	20	1.0	20	0	100	70-125	0			
cis-1,3-Dichloropropene	20.45	1.0	20	0	102	70-130	0			
Dibromochloromethane	20.95	1.0	20	0	105	60-135	0			
Ethylbenzene	20.72	1.0	20	0	104	75-125	0			
m,p-Xylene	40.15	2.0	40	0	100	75-130	0			
Methylene chloride	20.86	5.0	20	0	104	55-140	0			
o-Xylene	20.46	1.0	20	0	102	80-120	0			
Styrene	20.32	1.0	20	0	102	65-135	0			
Tetrachloroethene	20.85	2.0	20	0	104	45-150	0			
Toluene	20.49	1.0	20	0	102	75-120	0			
trans-1,2-Dichloroethene	21.41	1.0	20	0	107	60-140	0			
trans-1,3-Dichloropropene	22.09	1.0	20	0	110	55-140	0			
Trichloroethene	19.97	1.0	20	0	99.8	70-125	0			
Vinyl chloride	22.84	1.0	20	0	114	50-145	0			
Xylenes, Total	60.61	2.0	60	0	101	75-130	0			
Surr: 1,2-Dichloroethane-d4	98.4	0	100	0	98.4	70-120	0			
Surr: 4-Bromofluorobenzene	100	0	100	0	100	75-120	0			
Surr: Dibromofluoromethane	100	0	100	0	100	85-115	0			
Surr: Toluene-d8	99.26	0	100	0	99.3	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012276

Project: Textron- TORX GW- Dec. 2010

# QC BATCH REPORT

Batch ID: R84754

Instrument ID VMS5

Method: SW8260

LCSD	Sample ID: VLCS DW1-101211-R84754	Units: µg/L					Analysis Date: 12/11/2010 03:39 PM			
Client ID:	Run ID: VMS5_101211A	SeqNo: 1504707	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.86	1.0	20	0	99.3	65-130	20.87	4.96	30	
1,1,2,2-Tetrachloroethane	18.61	1.0	20	0	93	65-130	18.36	1.35	30	
1,1,2-Trichloroethane	19.03	1.0	20	0	95.2	75-125	18.72	1.64	30	
1,1-Dichloroethane	20.3	1.0	20	0	102	70-135	21.42	5.37	30	
1,1-Dichloroethene	21.27	1.0	20	0	106	70-130	22.89	7.34	30	
1,2-Dichloroethane	19	1.0	20	0	95	70-130	19.19	0.995	30	
1,2-Dichloropropane	18.5	2.0	20	0	92.5	75-125	19.25	3.97	30	
2-Butanone	15.86	5.0	20	0	79.3	30-150	14.89	6.31	30	
2-Hexanone	17.73	5.0	20	0	88.6	55-130	17.34	2.22	30	
4-Methyl-2-pentanone	18.58	5.0	20	0	92.9	60-135	17.99	3.23	30	
Acetone	20.55	20	20	0	103	40-140	19.99	2.76	30	
Benzene	18.81	1.0	20	0	94	80-120	19.85	5.38	30	
Bromodichloromethane	19.73	1.0	20	0	98.6	75-120	20.76	5.09	30	
Bromoform	19.5	1.0	20	0	97.5	70-130	19.19	1.6	30	
Bromomethane	22.67	1.0	20	0	113	30-145	25.5	11.8	30	
Carbon disulfide	23.57	2.5	20	0	118	35-165	25.47	7.75	30	
Carbon tetrachloride	19.9	1.0	20	0	99.5	65-140	20.59	3.41	30	
Chlorobenzene	19.88	1.0	20	0	99.4	80-120	20.36	2.39	30	
Chloroethane	19.36	1.0	20	0	96.8	60-135	20.99	8.08	30	
Chloroform	19.31	1.0	20	0	96.6	65-135	20.11	4.06	30	
Chloromethane	20.9	1.0	20	0	104	70-125	21.71	3.8	30	
cis-1,2-Dichloroethene	18.9	1.0	20	0	94.5	70-125	20	5.66	30	
cis-1,3-Dichloropropene	20.1	1.0	20	0	100	70-130	20.45	1.73	30	
Dibromochloromethane	20.75	1.0	20	0	104	60-135	20.95	0.959	30	
Ethylbenzene	19.87	1.0	20	0	99.4	75-125	20.72	4.19	30	
m,p-Xylene	38.53	2.0	40	0	96.3	75-130	40.15	4.12	30	
Methylene chloride	20.12	5.0	20	0	101	55-140	20.86	3.61	30	
o-Xylene	19.61	1.0	20	0	98	80-120	20.46	4.24	30	
Styrene	20.21	1.0	20	0	101	65-135	20.32	0.543	30	
Tetrachloroethene	19.71	2.0	20	0	98.6	45-150	20.85	5.62	30	
Toluene	19.6	1.0	20	0	98	75-120	20.49	4.44	30	
trans-1,2-Dichloroethene	20.11	1.0	20	0	101	60-140	21.41	6.26	30	
trans-1,3-Dichloropropene	21.99	1.0	20	0	110	55-140	22.09	0.454	30	
Trichloroethene	18.87	1.0	20	0	94.4	70-125	19.97	5.66	30	
Vinyl chloride	20.15	1.0	20	0	101	50-145	22.84	12.5	30	
Xylenes, Total	58.14	2.0	60	0	96.9	75-130	60.61	4.16	30	
Surr: 1,2-Dichloroethane-d4	97.82	0	100	0	97.8	70-120	98.4	0.591	30	
Surr: 4-Bromofluorobenzene	101.3	0	100	0	101	75-120	100	1.28	30	
Surr: Dibromofluoromethane	102.1	0	100	0	102	85-115	100	2.03	30	
Surr: Toluene-d8	98.67	0	100	0	98.7	85-120	99.26	0.596	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012276

Project: Textron- TORX GW- Dec. 2010

# QC BATCH REPORT

Batch ID: R84754

Instrument ID VMS5

Method: SW8260

MS	Sample ID: 1012326-09A MS	Units: µg/L					Analysis Date: 12/12/2010 01:03 AM			
Client ID:	Run ID: VMS5_101211A	SeqNo: 1505150	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.36	1.0	20	0	107	65-130	0			
1,1,2,2-Tetrachloroethane	18.18	1.0	20	0	90.9	65-130	0			
1,1,2-Trichloroethane	18.38	1.0	20	0	91.9	75-125	0			
1,1-Dichloroethane	21.83	1.0	20	0	109	70-135	0			
1,1-Dichloroethene	24.07	1.0	20	0	120	70-130	0			
1,2-Dichloroethane	19.3	1.0	20	0	96.5	70-130	0			
1,2-Dichloropropane	19.18	2.0	20	0	95.9	75-125	0			
2-Butanone	15.57	5.0	20	0	77.8	30-150	0			
2-Hexanone	18.45	5.0	20	0	92.2	55-130	0			
4-Methyl-2-pentanone	18.86	5.0	20	0	94.3	60-135	0			
Acetone	24.67	20	20	0	123	40-140	0			
Benzene	20.35	1.0	20	0	102	80-120	0			
Bromodichloromethane	20.62	1.0	20	0	103	75-120	0			
Bromoform	19.11	1.0	20	0	95.6	70-130	0			
Bromomethane	17.86	1.0	20	0	89.3	30-145	0			
Carbon disulfide	25.64	2.5	20	0	128	35-165	0			
Carbon tetrachloride	22.04	1.0	20	0	110	65-140	0			
Chlorobenzene	20.4	1.0	20	0	102	80-120	0			
Chloroethane	22.5	1.0	20	0	112	60-135	0			
Chloroform	20.49	1.0	20	0	102	65-135	0			
Chloromethane	21.29	1.0	20	0	106	70-125	0			
cis-1,2-Dichloroethene	83.05	1.0	20	67.19	79.3	70-125	0			
cis-1,3-Dichloropropene	19.44	1.0	20	0	97.2	70-130	0			
Dibromochloromethane	20.98	1.0	20	0	105	60-135	0			
Ethylbenzene	21.42	1.0	20	0.36	105	75-125	0			
m,p-Xylene	40.84	2.0	40	0.3	101	75-130	0			
Methylene chloride	21.39	5.0	20	0	107	55-140	0			
o-Xylene	20.42	1.0	20	0	102	80-120	0			
Styrene	20.21	1.0	20	0	101	65-135	0			
Tetrachloroethene	22.87	2.0	20	0	114	45-150	0			
Toluene	20.75	1.0	20	0	104	75-120	0			
trans-1,2-Dichloroethene	22.42	1.0	20	0	112	60-140	0			
trans-1,3-Dichloropropene	21.16	1.0	20	0	106	55-140	0			
Trichloroethene	20.28	1.0	20	0	101	70-125	0			
Vinyl chloride	49.8	1.0	20	44.21	28	50-145	0			S
Xylenes, Total	61.26	2.0	60	0	102	75-130	0			
Surr: 1,2-Dichloroethane-d4	99.52	0	100	0	99.5	70-120	0			
Surr: 4-Bromofluorobenzene	102.4	0	100	0	102	75-120	0			
Surr: Dibromofluoromethane	103.6	0	100	0	104	85-115	0			
Surr: Toluene-d8	99.36	0	100	0	99.4	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012276

Project: Textron- TORX GW- Dec. 2010

# QC BATCH REPORT

Batch ID: R84754

Instrument ID VMS5

Method: SW8260

MSD		Sample ID: 1012326-09A MSD				Units: µg/L		Analysis Date: 12/12/2010 01:29 AM		
Client ID:		Run ID: VMS5_101211A				SeqNo: 1505151		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.74	1.0	20	0	104	65-130	21.36	2.95	30	
1,1,2,2-Tetrachloroethane	17.83	1.0	20	0	89.2	65-130	18.18	1.94	30	
1,1,2-Trichloroethane	18.37	1.0	20	0	91.8	75-125	18.38	0.0544	30	
1,1-Dichloroethane	21.29	1.0	20	0	106	70-135	21.83	2.5	30	
1,1-Dichloroethene	23.47	1.0	20	0	117	70-130	24.07	2.52	30	
1,2-Dichloroethane	18.73	1.0	20	0	93.6	70-130	19.3	3	30	
1,2-Dichloropropane	18.98	2.0	20	0	94.9	75-125	19.18	1.05	30	
2-Butanone	15.71	5.0	20	0	78.6	30-150	15.57	0.895	30	
2-Hexanone	18.03	5.0	20	0	90.2	55-130	18.45	2.3	30	
4-Methyl-2-pentanone	18.6	5.0	20	0	93	60-135	18.86	1.39	30	
Acetone	22.82	20	20	0	114	40-140	24.67	7.79	30	
Benzene	19.78	1.0	20	0	98.9	80-120	20.35	2.84	30	
Bromodichloromethane	19.74	1.0	20	0	98.7	75-120	20.62	4.36	30	
Bromoform	18.62	1.0	20	0	93.1	70-130	19.11	2.6	30	
Bromomethane	18.6	1.0	20	0	93	30-145	17.86	4.06	30	
Carbon disulfide	24.26	2.5	20	0	121	35-165	25.64	5.53	30	
Carbon tetrachloride	20.76	1.0	20	0	104	65-140	22.04	5.98	30	
Chlorobenzene	19.67	1.0	20	0	98.4	80-120	20.4	3.64	30	
Chloroethane	21.21	1.0	20	0	106	60-135	22.5	5.9	30	
Chloroform	19.86	1.0	20	0	99.3	65-135	20.49	3.12	30	
Chloromethane	20.63	1.0	20	0	103	70-125	21.29	3.15	30	
cis-1,2-Dichloroethene	80.87	1.0	20	67.19	68.4	70-125	83.05	2.66	30	S
cis-1,3-Dichloropropene	19.44	1.0	20	0	97.2	70-130	19.44	0	30	
Dibromochloromethane	20.09	1.0	20	0	100	60-135	20.98	4.33	30	
Ethylbenzene	20.95	1.0	20	0.36	103	75-125	21.42	2.22	30	
m,p-Xylene	39.33	2.0	40	0.3	97.6	75-130	40.84	3.77	30	
Methylene chloride	20.48	5.0	20	0	102	55-140	21.39	4.35	30	
o-Xylene	19.95	1.0	20	0	99.8	80-120	20.42	2.33	30	
Styrene	19.63	1.0	20	0	98.2	65-135	20.21	2.91	30	
Tetrachloroethene	22.28	2.0	20	0	111	45-150	22.87	2.61	30	
Toluene	20.35	1.0	20	0	102	75-120	20.75	1.95	30	
trans-1,2-Dichloroethene	21.86	1.0	20	0	109	60-140	22.42	2.53	30	
trans-1,3-Dichloropropene	20.99	1.0	20	0	105	55-140	21.16	0.807	30	
Trichloroethene	19.53	1.0	20	0	97.6	70-125	20.28	3.77	30	
Vinyl chloride	48.33	1.0	20	44.21	20.6	50-145	49.8	3	30	S
Xylenes, Total	59.28	2.0	60	0	98.8	75-130	61.26	3.29	30	
Surr: 1,2-Dichloroethane-d4	97.88	0	100	0	97.9	70-120	99.52	1.66	30	
Surr: 4-Bromofluorobenzene	101.2	0	100	0	101	75-120	102.4	1.19	30	
Surr: Dibromofluoromethane	102	0	100	0	102	85-115	103.6	1.52	30	
Surr: Toluene-d8	100.6	0	100	0	101	85-120	99.36	1.26	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** MACTEC Engineering & Consulting, Inc.

**Work Order:** 1012276

**Project:** Textron- TORX GW- Dec. 2010

## QC BATCH REPORT

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Batch ID: **R84754**

Instrument ID **VMS5**

Method: **SW8260**

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**The following samples were analyzed in this batch:**

1012276-17A	1012276-19A	1012276-20A
1012276-21A	1012276-22A	1012276-23A
1012276-24A		

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

# QC BATCH REPORT

Work Order: 1012276

Project: Textron- TORX GW- Dec. 2010

Batch ID: R84756

Instrument ID VMS6

Method: SW8260

MBLK Sample ID: VBLKW1-101212-R84756 Units: µg/L Analysis Date: 12/12/2010 11:22 AM

Client ID: Run ID: VMS6\_101212A SeqNo: 1505663 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
2-Butanone	0.93	5.0								J
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Dibromochloromethane	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Methylene chloride	U	5.0								
o-Xylene	U	1.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								
trans-1,2-Dichloroethene	U	1.0								
trans-1,3-Dichloropropene	U	1.0								
Trichloroethene	U	1.0								
Vinyl chloride	U	1.0								
Xylenes, Total	U	2.0								
Surr: 1,2-Dichloroethane-d4	101.9	0	100	0	102	70-120	0			
Surr: 4-Bromofluorobenzene	96.69	0	100	0	96.7	75-120	0			
Surr: Dibromofluoromethane	100.3	0	100	0	100	85-115	0			
Surr: Toluene-d8	100.1	0	100	0	100	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012276

Project: Textron- TORX GW- Dec. 2010

# QC BATCH REPORT

Batch ID: R84756

Instrument ID VMS6

Method: SW8260

LCS	Sample ID: VLCSW1-101212-R84756	Units: µg/L					Analysis Date: 12/12/2010 10:03 AM			
Client ID:	Run ID: VMS6_101212A	SeqNo: 1505154	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.85	1.0	20	0	104	65-130	0			
1,1,2,2-Tetrachloroethane	18.45	1.0	20	0	92.2	65-130	0			
1,1,2-Trichloroethane	18.63	1.0	20	0	93.2	75-125	0			
1,1-Dichloroethane	21.59	1.0	20	0	108	70-135	0			
1,1-Dichloroethene	24.71	1.0	20	0	124	70-130	0			
1,2-Dichloroethane	19.8	1.0	20	0	99	70-130	0			
1,2-Dichloropropane	20.45	2.0	20	0	102	75-125	0			
2-Butanone	19.62	5.0	20	0	98.1	30-150	0			
2-Hexanone	17.29	5.0	20	0	86.4	55-130	0			
4-Methyl-2-pentanone	18.8	5.0	20	0	94	60-135	0			
Acetone	20.13	20	20	0	101	40-140	0			
Benzene	21.01	1.0	20	0	105	80-120	0			
Bromodichloromethane	21.27	1.0	20	0	106	75-120	0			
Bromoform	20.31	1.0	20	0	102	70-130	0			
Bromomethane	24.73	1.0	20	0	124	30-145	0			
Carbon disulfide	26.82	2.5	20	0	134	35-165	0			
Carbon tetrachloride	20.42	1.0	20	0	102	65-140	0			
Chlorobenzene	20.26	1.0	20	0	101	80-120	0			
Chloroethane	19.73	1.0	20	0	98.6	60-135	0			
Chloroform	19.27	1.0	20	0	96.4	65-135	0			
Chloromethane	20.36	1.0	20	0	102	70-125	0			
cis-1,2-Dichloroethene	19.79	1.0	20	0	99	70-125	0			
cis-1,3-Dichloropropene	21.79	1.0	20	0	109	70-130	0			
Dibromochloromethane	21.22	1.0	20	0	106	60-135	0			
Ethylbenzene	20.65	1.0	20	0	103	75-125	0			
m,p-Xylene	40.79	2.0	40	0	102	75-130	0			
Methylene chloride	19.7	5.0	20	0	98.5	55-140	0			
o-Xylene	20.29	1.0	20	0	101	80-120	0			
Styrene	20.17	1.0	20	0	101	65-135	0			
Tetrachloroethene	20.83	2.0	20	0	104	45-150	0			
Toluene	20.2	1.0	20	0	101	75-120	0			
trans-1,2-Dichloroethene	22.42	1.0	20	0	112	60-140	0			
trans-1,3-Dichloropropene	23.06	1.0	20	0	115	55-140	0			
Trichloroethene	20.13	1.0	20	0	101	70-125	0			
Vinyl chloride	22.34	1.0	20	0	112	50-145	0			
Xylenes, Total	61.08	2.0	60	0	102	75-130	0			
Surr: 1,2-Dichloroethane-d4	101.2	0	100	0	101	70-120	0			
Surr: 4-Bromofluorobenzene	98.37	0	100	0	98.4	75-120	0			
Surr: Dibromofluoromethane	102.5	0	100	0	103	85-115	0			
Surr: Toluene-d8	100.2	0	100	0	100	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012276  
 Project: Textron- TORX GW- Dec. 2010

# QC BATCH REPORT

Batch ID: **R84756** Instrument ID **VMS6** Method: **SW8260**

LCSD	Sample ID: <b>VLCS DW1-101212-R84756</b>	Units: <b>µg/L</b>					Analysis Date: <b>12/12/2010 10:28 AM</b>				
Client ID:	Run ID: <b>VMS6_101212A</b>	SeqNo: <b>1505155</b>			Prep Date:		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	19.47	1.0	20	0	97.4	65-130	20.85	6.85	30		
1,1,2,2-Tetrachloroethane	18.67	1.0	20	0	93.4	65-130	18.45	1.19	30		
1,1,2-Trichloroethane	18.45	1.0	20	0	92.2	75-125	18.63	0.971	30		
1,1-Dichloroethane	20.58	1.0	20	0	103	70-135	21.59	4.79	30		
1,1-Dichloroethene	23.32	1.0	20	0	117	70-130	24.71	5.79	30		
1,2-Dichloroethane	19.28	1.0	20	0	96.4	70-130	19.8	2.66	30		
1,2-Dichloropropane	19.72	2.0	20	0	98.6	75-125	20.45	3.63	30		
2-Butanone	20.82	5.0	20	0	104	30-150	19.62	5.93	30		
2-Hexanone	18.33	5.0	20	0	91.6	55-130	17.29	5.84	30		
4-Methyl-2-pentanone	19.9	5.0	20	0	99.5	60-135	18.8	5.68	30		
Acetone	20.66	20	20	0	103	40-140	20.13	2.6	30		
Benzene	20.02	1.0	20	0	100	80-120	21.01	4.83	30		
Bromodichloromethane	20.31	1.0	20	0	102	75-120	21.27	4.62	30		
Bromoform	20.07	1.0	20	0	100	70-130	20.31	1.19	30		
Bromomethane	21.57	1.0	20	0	108	30-145	24.73	13.7	30		
Carbon disulfide	24.88	2.5	20	0	124	35-165	26.82	7.5	30		
Carbon tetrachloride	19.04	1.0	20	0	95.2	65-140	20.42	6.99	30		
Chlorobenzene	19.41	1.0	20	0	97	80-120	20.26	4.29	30		
Chloroethane	18.39	1.0	20	0	92	60-135	19.73	7.03	30		
Chloroform	18.49	1.0	20	0	92.4	65-135	19.27	4.13	30		
Chloromethane	19.26	1.0	20	0	96.3	70-125	20.36	5.55	30		
cis-1,2-Dichloroethene	18.94	1.0	20	0	94.7	70-125	19.79	4.39	30		
cis-1,3-Dichloropropene	21.17	1.0	20	0	106	70-130	21.79	2.89	30		
Dibromochloromethane	20.77	1.0	20	0	104	60-135	21.22	2.14	30		
Ethylbenzene	19.62	1.0	20	0	98.1	75-125	20.65	5.12	30		
m,p-Xylene	38.81	2.0	40	0	97	75-130	40.79	4.97	30		
Methylene chloride	18.96	5.0	20	0	94.8	55-140	19.7	3.83	30		
o-Xylene	19.16	1.0	20	0	95.8	80-120	20.29	5.73	30		
Styrene	19.25	1.0	20	0	96.2	65-135	20.17	4.67	30		
Tetrachloroethene	19.36	2.0	20	0	96.8	45-150	20.83	7.32	30		
Toluene	19.15	1.0	20	0	95.8	75-120	20.2	5.34	30		
trans-1,2-Dichloroethene	21	1.0	20	0	105	60-140	22.42	6.54	30		
trans-1,3-Dichloropropene	22.29	1.0	20	0	111	55-140	23.06	3.4	30		
Trichloroethene	19.13	1.0	20	0	95.6	70-125	20.13	5.09	30		
Vinyl chloride	21.01	1.0	20	0	105	50-145	22.34	6.14	30		
Xylenes, Total	57.97	2.0	60	0	96.6	75-130	61.08	5.22	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>101</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>70-120</i>	<i>101.2</i>	<i>0.178</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>98.03</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98</i>	<i>75-120</i>	<i>98.37</i>	<i>0.346</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>102.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>85-115</i>	<i>102.5</i>	<i>0.282</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>99.59</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.6</i>	<i>85-120</i>	<i>100.2</i>	<i>0.561</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012276  
 Project: Textron- TORX GW- Dec. 2010

# QC BATCH REPORT

Batch ID: **R84756** Instrument ID **VMS6** Method: **SW8260**

MS		Sample ID: <b>1012146-01G MS</b>			Units: <b>µg/L</b>		Analysis Date: <b>12/12/2010 07:51 PM</b>			
Client ID:		Run ID: <b>VMS6_101212A</b>			SeqNo: <b>1505710</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.04	1.0	20	0	100	65-130	0			
1,1,2,2-Tetrachloroethane	17.65	1.0	20	0	88.2	65-130	0			
1,1,2-Trichloroethane	17.84	1.0	20	0	89.2	75-125	0			
1,1-Dichloroethane	20.94	1.0	20	0	105	70-135	0			
1,1-Dichloroethene	24	1.0	20	0	120	70-130	0			
1,2-Dichloroethane	19.25	1.0	20	0	96.2	70-130	0			
1,2-Dichloropropane	19.71	2.0	20	0	98.6	75-125	0			
2-Butanone	17.8	5.0	20	0	89	30-150	0			
2-Hexanone	16.75	5.0	20	0	83.8	55-130	0			
4-Methyl-2-pentanone	18.14	5.0	20	0	90.7	60-135	0			
Acetone	18.66	20	20	1.72	84.7	40-140	0			J
Benzene	20.99	1.0	20	0.33	103	80-120	0			
Bromodichloromethane	19.32	1.0	20	0	96.6	75-120	0			
Bromoform	17.07	1.0	20	0	85.4	70-130	0			
Bromomethane	11.81	1.0	20	0	59	30-145	0			
Carbon disulfide	22.89	2.5	20	0	114	35-165	0			
Carbon tetrachloride	19.56	1.0	20	0	97.8	65-140	0			
Chlorobenzene	20.11	1.0	20	0.88	96.2	80-120	0			
Chloroethane	19.03	1.0	20	0	95.2	60-135	0			
Chloroform	18.62	1.0	20	0	93.1	65-135	0			
Chloromethane	15.98	1.0	20	0	79.9	70-125	0			
cis-1,2-Dichloroethene	20.11	1.0	20	0.79	96.6	70-125	0			
cis-1,3-Dichloropropene	19.91	1.0	20	0	99.6	70-130	0			
Dibromochloromethane	18.85	1.0	20	0	94.2	60-135	0			
Ethylbenzene	19.95	1.0	20	0	99.8	75-125	0			
m,p-Xylene	39.1	2.0	40	0	97.8	75-130	0			
Methylene chloride	18.25	5.0	20	0	91.2	55-140	0			
o-Xylene	19.23	1.0	20	0	96.2	80-120	0			
Styrene	18.78	1.0	20	0	93.9	65-135	0			
Tetrachloroethene	20.79	2.0	20	0	104	45-150	0			
Toluene	19.76	1.0	20	0	98.8	75-120	0			
trans-1,2-Dichloroethene	20.99	1.0	20	0	105	60-140	0			
trans-1,3-Dichloropropene	19.98	1.0	20	0	99.9	55-140	0			
Trichloroethene	20.22	1.0	20	0	101	70-125	0			
Vinyl chloride	22.24	1.0	20	0	111	50-145	0			
Xylenes, Total	58.33	2.0	60	0	97.2	75-130	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	99.78	0	100	0	99.8	70-120	0			
<i>Surr: 4-Bromofluorobenzene</i>	99.13	0	100	0	99.1	75-120	0			
<i>Surr: Dibromofluoromethane</i>	101.4	0	100	0	101	85-115	0			
<i>Surr: Toluene-d8</i>	98.79	0	100	0	98.8	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

# QC BATCH REPORT

Work Order: 1012276

Project: Textron- TORX GW- Dec. 2010

Batch ID: R84756

Instrument ID VMS6

Method: SW8260

MSD Sample ID: 1012146-01G MSD Units: µg/L Analysis Date: 12/12/2010 08:17 PM

Client ID: Run ID: VMS6\_101212A SeqNo: 1505713 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.83	1.0	20	0	99.2	65-130	20.04	1.05	30	
1,1,2,2-Tetrachloroethane	17.6	1.0	20	0	88	65-130	17.65	0.284	30	
1,1,2-Trichloroethane	17.82	1.0	20	0	89.1	75-125	17.84	0.112	30	
1,1-Dichloroethane	20.8	1.0	20	0	104	70-135	20.94	0.671	30	
1,1-Dichloroethene	23.67	1.0	20	0	118	70-130	24	1.38	30	
1,2-Dichloroethane	18.91	1.0	20	0	94.6	70-130	19.25	1.78	30	
1,2-Dichloropropane	19.68	2.0	20	0	98.4	75-125	19.71	0.152	30	
2-Butanone	17.58	5.0	20	0	87.9	30-150	17.8	1.24	30	
2-Hexanone	16.84	5.0	20	0	84.2	55-130	16.75	0.536	30	
4-Methyl-2-pentanone	18.25	5.0	20	0	91.2	60-135	18.14	0.605	30	
Acetone	19.2	20	20	1.72	87.4	40-140	18.66	0	30	J
Benzene	20.69	1.0	20	0.33	102	80-120	20.99	1.44	30	
Bromodichloromethane	19.14	1.0	20	0	95.7	75-120	19.32	0.936	30	
Bromoform	17.16	1.0	20	0	85.8	70-130	17.07	0.526	30	
Bromomethane	15.09	1.0	20	0	75.4	30-145	11.81	24.4	30	
Carbon disulfide	23.24	2.5	20	0	116	35-165	22.89	1.52	30	
Carbon tetrachloride	19.59	1.0	20	0	98	65-140	19.56	0.153	30	
Chlorobenzene	20.07	1.0	20	0.88	96	80-120	20.11	0.199	30	
Chloroethane	18.75	1.0	20	0	93.8	60-135	19.03	1.48	30	
Chloroform	18.37	1.0	20	0	91.8	65-135	18.62	1.35	30	
Chloromethane	17.04	1.0	20	0	85.2	70-125	15.98	6.42	30	
cis-1,2-Dichloroethene	20.01	1.0	20	0.79	96.1	70-125	20.11	0.499	30	
cis-1,3-Dichloropropene	19.69	1.0	20	0	98.4	70-130	19.91	1.11	30	
Dibromochloromethane	18.8	1.0	20	0	94	60-135	18.85	0.266	30	
Ethylbenzene	19.77	1.0	20	0	98.8	75-125	19.95	0.906	30	
m,p-Xylene	39.02	2.0	40	0	97.6	75-130	39.1	0.205	30	
Methylene chloride	17.95	5.0	20	0	89.8	55-140	18.25	1.66	30	
o-Xylene	19.17	1.0	20	0	95.8	80-120	19.23	0.312	30	
Styrene	19.34	1.0	20	0	96.7	65-135	18.78	2.94	30	
Tetrachloroethene	20.32	2.0	20	0	102	45-150	20.79	2.29	30	
Toluene	19.61	1.0	20	0	98	75-120	19.76	0.762	30	
trans-1,2-Dichloroethene	20.85	1.0	20	0	104	60-140	20.99	0.669	30	
trans-1,3-Dichloropropene	20.13	1.0	20	0	101	55-140	19.98	0.748	30	
Trichloroethene	19.92	1.0	20	0	99.6	70-125	20.22	1.49	30	
Vinyl chloride	22.08	1.0	20	0	110	50-145	22.24	0.722	30	
Xylenes, Total	58.19	2.0	60	0	97	75-130	58.33	0.24	30	
Surr: 1,2-Dichloroethane-d4	99.19	0	100	0	99.2	70-120	99.78	0.593	30	
Surr: 4-Bromofluorobenzene	99.71	0	100	0	99.7	75-120	99.13	0.583	30	
Surr: Dibromofluoromethane	101.2	0	100	0	101	85-115	101.4	0.138	30	
Surr: Toluene-d8	99.43	0	100	0	99.4	85-120	98.79	0.646	30	

The following samples were analyzed in this batch: 1012276-28A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



**ALS Environmental**  
 10450 Stancliff Rd., Suite 210  
 Houston, Texas 77099  
 Tel. +1 281 530 5656  
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# Chain of Custody Form

Page 1 of 3

COC ID: **11956**

**ALS Environmental**  
 3352 128th Ave.  
 Holland, MI 49424-9263  
 Tel: +1 616 399 6070  
 Fax: +1 616 399 6185

ALS Project Manager:

ALS Work Order #: **1012276**

Customer Information		Project Information		Parameter/Method Request for Analysis												
Purchase Order		Project Name	Textron- TORX-GW Qrtly GW	A	TCL Volatiles by EPA 8260											
Work Order		Project Number		B	Total Metals: Pb, Cr, Cu, Cd											
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.	C	Dissolved Metals: Pb, Cr, Cu, Cd											
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D												
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E												
				F												
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G												
Phone	(937) 859-3600	Phone	(937) 859-3600	H												
Fax	(937) 859-7951	Fax	(937) 859-7951	I												
e-Mail Address		e-Mail Address		J												

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MTR-MW39(76.8)-G120710	12/7/10	1052	GW	8	3	X										
2	MTR-MW39(29.3)-G120710	12/7/10	1115	GW	8	3	X										
3	MTR-MW39(13)-G120710	12/7/10	1152	GW	8	3	X										
4	MTR-MW38(102.9)-G120710	12/7/10	1313	GW	8	3	X										
5	MTR-MW38(69.9)-G120710	12/7/10	1359	GW	8	3	X										
6	MTR-MW38(69.9)-G120710R	12/7/10	1359	GW	8	3	X										
7	MTR-MW38(29.1)-G120710	12/7/10	1431	GW	8	3	X										
8	MTR-MW38(20.8)-G120710	12/7/10	1455	GW	8	3	X										
9	MTR-EB001-120710	12/7/10	1600	GW	8	3	X										
10	MTR-MW35(148)-G120810	12/8/10	1005	GW	8	3	X										

Sampler(s) Please Print & Sign <i>W. J. Gross</i>		Shipment Method ALS pickup		Required Turnaround Time: (Check Box) None/standard				Results Due Date:				
Relinquished by: <i>[Signature]</i>	Date: 12/8/10	Time: 1258	Received by: <i>[Signature]</i>		Notes:							
Relinquished by: <i>[Signature]</i>	Date:	Time:	Received by (Laboratory): <i>[Signature]</i>		Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)					
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory): <i>[Signature]</i>			1.2°C						
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSCl 7-Other 8-4°C 9-5035												

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.  
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.  
 3. The Chain of Custody is a legal document. All information must be completed accurately.



**ALS Environmental**  
 10450 Stancliff Rd., Suite 210  
 Houston, Texas 77099  
 Tel. +1 281 530 5656  
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### Chain of Custody Form

Page 2 of 3

COC ID: **11938**

**ALS Environmental**  
 3352 128th Ave.  
 Holland, MI 49424-9263  
 Tel: +1 616 399 6070  
 Fax: +1 616 399 6185

ALS Project Manager: \_\_\_\_\_ ALS Work Order #: **1012276**

Customer Information		Project Information		Parameter/Method Request for Analysis												
Purchase Order		Project Name	Textron- TORX-GW Qrtly GW	A	TCL Volatiles by EPA 8260											
Work Order		Project Number		B	Total Metals: Pb, Cr, Cu, Cd											
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.	C	Dissolved Metals: Pb, Cr, Cu, Cd											
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D												
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E												
				F												
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G												
Phone	(937) 859-3600	Phone	(937) 859-3600	H												
Fax	(937) 859-7951	Fax	(937) 859-7951	I												
e-Mail Address		e-Mail Address		J												

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
11	MTR-MW37(232)-G120710	12/7/10	1358	GW	8	3	X										
12	MTR-MW37(98)-G120710	12/7/10	1105	GW	8	3	X										
13	MTR-MW37(70)-G120710	12/7/10	1315	GW	8	3	X										
14	MTR-MW37(98)-G120710	12/7/10	1105	GW	8	3	X										
15	MTR-MW36(351)-G120710	12/7/10	1630	GW	8	3	X										
16	MTR-MW36(924)-G120710	12/7/10	1545	GW	8	3	X										
17	MTR-MW36(1243)-G120710	12/7/10	1455	GW	8	3	X										
18	MTR-EB002-120710	12/7/10	1254	GW	8	3	X										
19	MTR-MW35(90)-G120810	12/8/10	0930	GW	8	3	X										
20	MTR-MW49(20)-G120810	12/8/10	1228	GW	8	3	X										

Sampler(s) Please Print & Sign: Mike Day Shipment Method: ALS Pickup Required Turnaround Time: (Check Box) Standard Results Due Date: \_\_\_\_\_

Relinquished by: <u>[Signature]</u>	Date: <u>12/8/10</u>	Time: <u>1258</u>	Received by: <u>[Signature]</u>	Notes:
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	Cooler Temp. <u>1.2°C</u>
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035				QC Package: (Check One Box Below)

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.  
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.  
 3. The Chain of Custody is a legal document. All information must be completed accurately.





**ALS Environmental**  
 10450 Stancliff Rd., Suite 210  
 Houston, Texas 77099  
 Tel. +1 281 530 5656  
 Fax. +1 281 530 5887

### Chain of Custody Form

Page 3 of 3

COC ID: **11961**

**ALS Environmental**  
 3352 128th Ave.  
 Holland, MI 49424-9263  
 Tel: +1 616 399 6070  
 Fax: +1 616 399 6185

ALS Project Manager: \_\_\_\_\_ ALS Work Order #: 1012276

Customer Information		Project Information		Parameter/Method Request for Analysis												
Purchase Order		Project Name	Textron- TORX-GW Qrtly GW	A	TCL Volatiles by EPA 8260											
Work Order		Project Number		B	Total Metals: Pb, Cr, Cu, Cd											
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.	C	Dissolved Metals: Pb, Cr, Cu, Cd											
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D												
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E												
				F												
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G												
Phone	(937) 859-3600	Phone	(937) 859-3600	H												
Fax	(937) 859-7951	Fax	(937) 859-7951	I												
e-Mail Address		e-Mail Address		J												

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
21	MTR-MW49(200)-G120810	12/7/10	1135	GW	8	3	X										
22	MTR-MW49(45)-G120810	12/8/10	1217	GW	8	3	X										
23	MTR-MW49(95)-G120810	12/8/10	1135	GW	8	3	X										
24	MTR-MW35(45)-G120810	12/8/10	1017	GW	8	3	X										
25	MTR-EB001-120810	12/8/10	1243	EB	8	3	X										
26	MTR-EB002-120810	12/8/10	1245	EB	8	3	X										
27	MTR-FB001-120810	12/8/10	1250	Blank	8	3	X										
8																	
28	MTR-TB001-120710	12/7/10															
10																	

Sampler(s) Please Print & Sign <i>Mike Day &amp; W. Dwayne Gross</i>		Shipment Method ALS Pickup		Required Turnaround Time: (Check Box) Standard		Results Due Date:	
Relinquished by: <i>[Signature]</i>	Date: 12/8/10	Time: 1258	Received by: <i>[Signature]</i>	Notes:			
Relinquished by:	Date:	Time:	Received by (Laboratory): <i>[Signature]</i>	Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory): <i>[Signature]</i>		1.2C		
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035							

Sample Receipt Checklist

Client Name: **MACTEC - OH**

Date/Time Received: **09-Dec-10 14:15**

Work Order: **1012276**

Received by: **DS**

Checklist completed by Diane Shaw 09-Dec-10  
eSignature Date

Reviewed by: Ann Preston 12-Dec-10  
eSignature Date

Matrices: Groundwater

Carrier name: ALSHN

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Present
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No

Temperature(s)/Thermometer(s):

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted

Water - pH acceptable upon receipt? Yes  No  N/A

pH adjusted? Yes  No  N/A

pH adjusted by:

Login Notes:

-----

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:



21-Dec-2010

Paul Stork  
MACTEC Engineering & Consulting, Inc.  
521 Byers Road, Suite 204  
Miamisburg, OH 45342

Re: **TextronTORX Facility GW Dec. 2010**

Work Order: **1012326**

Dear Paul,

ALS Environmental received 31 samples on 10-Dec-2010 03:45 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 80.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston  
Project Manager



Certificate No: IL100452

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental ALS

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** TextronTORX Facility GW Dec. 2010  
**Work Order:** 1012326

**Work Order Sample Summary**

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1012326-01	MTR-EB001-120910	Water		12/9/2010 16:50	12/10/2010 15:45	<input type="checkbox"/>
1012326-02	MTR-EB002-120910	Water		12/9/2010 16:45	12/10/2010 15:45	<input type="checkbox"/>
1012326-03	MTR-TB001-120810	Water		12/8/2010	12/10/2010 15:45	<input type="checkbox"/>
1012326-04	MTR-4377NOHWY31-G121010	Groundwater		12/10/2010 08:10	12/10/2010 15:45	<input type="checkbox"/>
1012326-05	MTR-MW34(110)-G121010	Groundwater		12/10/2010 10:05	12/10/2010 15:45	<input type="checkbox"/>
1012326-06	MTR-MW34(85)-G121010	Groundwater		12/10/2010 09:53	12/10/2010 15:45	<input type="checkbox"/>
1012326-07	MTR-MW34(37)-G121010	Groundwater		12/10/2010 10:39	12/10/2010 15:45	<input type="checkbox"/>
1012326-08	MTR-MW61(26)-G121010	Groundwater		12/10/2010 11:34	12/10/2010 15:45	<input type="checkbox"/>
1012326-09	MTR-MW3-G121010	Groundwater		12/10/2010 11:08	12/10/2010 15:45	<input type="checkbox"/>
1012326-10	MTR-EB001-121010	Water		12/10/2010 12:00	12/10/2010 15:45	<input type="checkbox"/>
1012326-11	MTR-EB002-121010	Water		12/10/2010 12:05	12/10/2010 15:45	<input type="checkbox"/>
1012326-12	MTR-MW48(56)-G120910	Groundwater		12/9/2010 10:30	12/10/2010 15:45	<input type="checkbox"/>
1012326-13	MTR-MW48(105)-G120910	Groundwater		12/9/2010 10:45	12/10/2010 15:45	<input type="checkbox"/>
1012326-14	MTR-MW31(55.5)-G120910	Groundwater		12/9/2010 12:24	12/10/2010 15:45	<input type="checkbox"/>
1012326-15	MTR-MW31(139.2)-G120910	Groundwater		12/9/2010 11:41	12/10/2010 15:45	<input type="checkbox"/>
1012326-16	MTR-MW48(159)-G120910	Groundwater		12/9/2010 09:54	12/10/2010 15:45	<input type="checkbox"/>
1012326-17	MTR-MW48(129)-G120910	Groundwater		12/9/2010 09:45	12/10/2010 15:45	<input type="checkbox"/>
1012326-18	MTR-MW52(55)-G120910	Groundwater		12/9/2010 13:55	12/10/2010 15:45	<input type="checkbox"/>
1012326-19	MTR-MW52(148)-G120910	Groundwater		12/9/2010 14:03	12/10/2010 15:45	<input type="checkbox"/>
1012326-20	MTR-MW57(38)-G120910	Groundwater		12/9/2010 15:56	12/10/2010 15:45	<input type="checkbox"/>
1012326-21	MTR-MW9C-G120910	Groundwater		12/9/2010 14:55	12/10/2010 15:45	<input type="checkbox"/>
1012326-22	MTR-MW45(185)-G120810	Groundwater		12/8/2010 14:56	12/10/2010 15:45	<input type="checkbox"/>
1012326-23	MTR-MW1-G120810	Groundwater		12/8/2010 13:47	12/10/2010 15:45	<input type="checkbox"/>
1012326-24	MTR-MW29(103.3)-G120810	Groundwater		12/8/2010 15:59	12/10/2010 15:45	<input type="checkbox"/>
1012326-25	MTR-MW29(82.5)-G120810	Groundwater		12/8/2010 16:05	12/10/2010 15:45	<input type="checkbox"/>
1012326-26	MTR-MW29(132.8)-G120810	Groundwater		12/8/2010 15:25	12/10/2010 15:45	<input type="checkbox"/>
1012326-27	MTR-MW53(41)-G120810	Groundwater		12/8/2010 13:54	12/10/2010 15:45	<input type="checkbox"/>
1012326-28	MTR-MW9B-G120910	Groundwater		12/9/2010 15:05	12/10/2010 15:45	<input type="checkbox"/>
1012326-29	MTR-MW55(49)-G120910	Groundwater		12/9/2010 16:33	12/10/2010 15:45	<input type="checkbox"/>
1012326-30	MTR-MW31(98.5)-G120910	Groundwater		12/9/2010 11:55	12/10/2010 15:45	<input type="checkbox"/>
1012326-31	MTR-MW31(30.9)-G120910	Groundwater		12/9/2010 12:29	12/10/2010 15:45	<input type="checkbox"/>

---

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Case Narrative**

---

Batch R84754 sample MTR-MW3-G121010 MS/MSD recoveries for Vinyl Chloride and MSD recovery for cis-1,2-DCE were below control limits due to matrix interference. The result for Vinyl Chloride in the parent sample may be biased low due to this interference. The MS recovery and RPD for cis-1,2-DCE met quality control criteria.

Batch R84755 sample MTR-MW45(185)-G120810 MS/MSD recoveries for Acetone were above control limits, but the parent sample was ND for Acetone.

Per the client's request, sample MTR-4377NOHWY31 is not to be reported.

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---

**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** TextronTORX Facility GW Dec. 2010  
**WorkOrder:** 1012326

---

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-EB001-120910

**Lab ID:** 1012326-01

**Collection Date:** 12/9/2010 04:50 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 04:58 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 04:58 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 04:58 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 04:58 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 04:58 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 04:58 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 04:58 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 04:58 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 04:58 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 04:58 PM
<b>Acetone</b>	<b>1.3</b>	<b>J</b>	<b>20</b>	<b>µg/L</b>	<b>1</b>	12/11/2010 04:58 PM
Benzene	U		1.0	µg/L	1	12/11/2010 04:58 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 04:58 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 04:58 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 04:58 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 04:58 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 04:58 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 04:58 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 04:58 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 04:58 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 04:58 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 04:58 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 04:58 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 04:58 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 04:58 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 04:58 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 04:58 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 04:58 PM
Styrene	U		1.0	µg/L	1	12/11/2010 04:58 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 04:58 PM
Toluene	U		1.0	µg/L	1	12/11/2010 04:58 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 04:58 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 04:58 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 04:58 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 04:58 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 04:58 PM
Surr: 1,2-Dichloroethane-d4	99.4		70-120	%REC	1	12/11/2010 04:58 PM
Surr: 4-Bromofluorobenzene	95.3		75-120	%REC	1	12/11/2010 04:58 PM
Surr: Dibromofluoromethane	100		85-115	%REC	1	12/11/2010 04:58 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-EB001-120910

**Collection Date:** 12/9/2010 04:50 PM

**Work Order:** 1012326

**Lab ID:** 1012326-01

**Matrix:** WATER

---

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.6		85-120	%REC	1	12/11/2010 04:58 PM

---

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-EB002-120910

**Lab ID:** 1012326-02

**Collection Date:** 12/9/2010 04:45 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 05:23 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 05:23 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 05:23 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 05:23 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:23 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 05:23 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 05:23 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 05:23 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 05:23 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 05:23 PM
<b>Acetone</b>	<b>1.3</b>	<b>J</b>	<b>20</b>	<b>µg/L</b>	<b>1</b>	12/11/2010 05:23 PM
Benzene	U		1.0	µg/L	1	12/11/2010 05:23 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 05:23 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 05:23 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 05:23 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 05:23 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 05:23 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 05:23 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 05:23 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 05:23 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 05:23 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:23 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 05:23 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 05:23 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 05:23 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 05:23 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 05:23 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 05:23 PM
Styrene	U		1.0	µg/L	1	12/11/2010 05:23 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 05:23 PM
Toluene	U		1.0	µg/L	1	12/11/2010 05:23 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:23 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 05:23 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 05:23 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 05:23 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 05:23 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/11/2010 05:23 PM
Surr: 4-Bromofluorobenzene	95.5		75-120	%REC	1	12/11/2010 05:23 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/11/2010 05:23 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-EB002-120910

**Collection Date:** 12/9/2010 04:45 PM

**Work Order:** 1012326

**Lab ID:** 1012326-02

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	102		85-120	%REC	1	12/11/2010 05:23 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-TB001-120810

**Lab ID:** 1012326-03

**Collection Date:** 12/8/2010

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 05:48 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 05:48 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 05:48 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 05:48 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:48 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 05:48 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 05:48 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 05:48 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 05:48 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 05:48 PM
Acetone	U		20	µg/L	1	12/11/2010 05:48 PM
Benzene	U		1.0	µg/L	1	12/11/2010 05:48 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 05:48 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 05:48 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 05:48 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 05:48 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 05:48 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 05:48 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 05:48 PM
<b>Chloroform</b>	<b>0.52</b>	<b>J</b>	<b>1.0</b>	<b>µg/L</b>	1	12/11/2010 05:48 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 05:48 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:48 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 05:48 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 05:48 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 05:48 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 05:48 PM
<b>Methylene chloride</b>	<b>4.8</b>	<b>J</b>	<b>5.0</b>	<b>µg/L</b>	1	12/11/2010 05:48 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 05:48 PM
Styrene	U		1.0	µg/L	1	12/11/2010 05:48 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 05:48 PM
Toluene	U		1.0	µg/L	1	12/11/2010 05:48 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 05:48 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 05:48 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 05:48 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 05:48 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 05:48 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/11/2010 05:48 PM
Surr: 4-Bromofluorobenzene	94.6		75-120	%REC	1	12/11/2010 05:48 PM
Surr: Dibromofluoromethane	104		85-115	%REC	1	12/11/2010 05:48 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-TB001-120810

**Collection Date:** 12/8/2010

**Work Order:** 1012326

**Lab ID:** 1012326-03

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.2		85-120	%REC	1	12/11/2010 05:48 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW34(110)-G121010

**Lab ID:** 1012326-05

**Collection Date:** 12/10/2010 10:05 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 10:05 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 10:05 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 10:05 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 10:05 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:05 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 10:05 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 10:05 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 10:05 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 10:05 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 10:05 PM
Acetone	U		20	µg/L	1	12/11/2010 10:05 PM
Benzene	U		1.0	µg/L	1	12/11/2010 10:05 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 10:05 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 10:05 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 10:05 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 10:05 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 10:05 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 10:05 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 10:05 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 10:05 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 10:05 PM
<b>cis-1,2-Dichloroethene</b>	<b>2.7</b>		<b>1.0</b>	<b>µg/L</b>	1	12/11/2010 10:05 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 10:05 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 10:05 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 10:05 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 10:05 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 10:05 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 10:05 PM
Styrene	U		1.0	µg/L	1	12/11/2010 10:05 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 10:05 PM
Toluene	U		1.0	µg/L	1	12/11/2010 10:05 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:05 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 10:05 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 10:05 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 10:05 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 10:05 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/11/2010 10:05 PM
Surr: 4-Bromofluorobenzene	94.5		75-120	%REC	1	12/11/2010 10:05 PM
Surr: Dibromofluoromethane	103		85-115	%REC	1	12/11/2010 10:05 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW34(110)-G121010

**Collection Date:** 12/10/2010 10:05 AM

**Work Order:** 1012326

**Lab ID:** 1012326-05

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 10:05 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW34(85)-G121010

**Lab ID:** 1012326-06

**Collection Date:** 12/10/2010 09:53 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 10:31 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 10:31 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 10:31 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 10:31 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:31 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 10:31 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 10:31 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 10:31 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 10:31 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 10:31 PM
Acetone	U		20	µg/L	1	12/11/2010 10:31 PM
Benzene	U		1.0	µg/L	1	12/11/2010 10:31 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 10:31 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 10:31 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 10:31 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 10:31 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 10:31 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 10:31 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 10:31 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 10:31 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 10:31 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:31 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 10:31 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 10:31 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 10:31 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 10:31 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 10:31 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 10:31 PM
Styrene	U		1.0	µg/L	1	12/11/2010 10:31 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 10:31 PM
Toluene	U		1.0	µg/L	1	12/11/2010 10:31 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:31 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 10:31 PM
<b>Trichloroethene</b>	<b>16</b>		<b>1.0</b>	<b>µg/L</b>	<b>1</b>	12/11/2010 10:31 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 10:31 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 10:31 PM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	1	12/11/2010 10:31 PM
Surr: 4-Bromofluorobenzene	93.8		75-120	%REC	1	12/11/2010 10:31 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 10:31 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW34(85)-G121010

**Collection Date:** 12/10/2010 09:53 AM

**Work Order:** 1012326

**Lab ID:** 1012326-06

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 10:31 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW34(37)-G121010

**Lab ID:** 1012326-07

**Collection Date:** 12/10/2010 10:39 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 10:56 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 10:56 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 10:56 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 10:56 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:56 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 10:56 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 10:56 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 10:56 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 10:56 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 10:56 PM
Acetone	U		20	µg/L	1	12/11/2010 10:56 PM
Benzene	U		1.0	µg/L	1	12/11/2010 10:56 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 10:56 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 10:56 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 10:56 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 10:56 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 10:56 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 10:56 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 10:56 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 10:56 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 10:56 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:56 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 10:56 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 10:56 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 10:56 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 10:56 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 10:56 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 10:56 PM
Styrene	U		1.0	µg/L	1	12/11/2010 10:56 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 10:56 PM
Toluene	U		1.0	µg/L	1	12/11/2010 10:56 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 10:56 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 10:56 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 10:56 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 10:56 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 10:56 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/11/2010 10:56 PM
Surr: 4-Bromofluorobenzene	91.4		75-120	%REC	1	12/11/2010 10:56 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/11/2010 10:56 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW34(37)-G121010

**Collection Date:** 12/10/2010 10:39 AM

**Work Order:** 1012326

**Lab ID:** 1012326-07

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.1		85-120	%REC	1	12/11/2010 10:56 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW61(26)-G121010

**Lab ID:** 1012326-08

**Collection Date:** 12/10/2010 11:34 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 11:21 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 11:21 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 11:21 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 11:21 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:21 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 11:21 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 11:21 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 11:21 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 11:21 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 11:21 PM
Acetone	U		20	µg/L	1	12/11/2010 11:21 PM
Benzene	U		1.0	µg/L	1	12/11/2010 11:21 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 11:21 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 11:21 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 11:21 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 11:21 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 11:21 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 11:21 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 11:21 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 11:21 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 11:21 PM
<b>cis-1,2-Dichloroethene</b>	<b>64</b>		<b>1.0</b>	<b>µg/L</b>	1	12/11/2010 11:21 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 11:21 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 11:21 PM
<b>Ethylbenzene</b>	<b>0.39</b>	J	<b>1.0</b>	<b>µg/L</b>	1	12/11/2010 11:21 PM
<b>m,p-Xylene</b>	<b>0.37</b>	J	<b>2.0</b>	<b>µg/L</b>	1	12/11/2010 11:21 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 11:21 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 11:21 PM
Styrene	U		1.0	µg/L	1	12/11/2010 11:21 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 11:21 PM
Toluene	U		1.0	µg/L	1	12/11/2010 11:21 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:21 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 11:21 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 11:21 PM
<b>Vinyl chloride</b>	<b>42</b>		<b>1.0</b>	<b>µg/L</b>	1	12/11/2010 11:21 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 11:21 PM
Surr: 1,2-Dichloroethane-d4	101		70-120	%REC	1	12/11/2010 11:21 PM
Surr: 4-Bromofluorobenzene	94.6		75-120	%REC	1	12/11/2010 11:21 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/11/2010 11:21 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW61(26)-G121010

**Collection Date:** 12/10/2010 11:34 AM

**Work Order:** 1012326

**Lab ID:** 1012326-08

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/11/2010 11:21 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW3-G121010

**Lab ID:** 1012326-09

**Collection Date:** 12/10/2010 11:08 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 12:38 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 12:38 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 12:38 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 12:38 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:38 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 12:38 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 12:38 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 12:38 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 12:38 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 12:38 PM
Acetone	U		20	µg/L	1	12/12/2010 12:38 PM
Benzene	U		1.0	µg/L	1	12/12/2010 12:38 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 12:38 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 12:38 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 12:38 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 12:38 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 12:38 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 12:38 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 12:38 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 12:38 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 12:38 PM
<b>cis-1,2-Dichloroethene</b>	<b>67</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 12:38 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 12:38 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 12:38 PM
<b>Ethylbenzene</b>	<b>0.36</b>	J	<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 12:38 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 12:38 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 12:38 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 12:38 PM
Styrene	U		1.0	µg/L	1	12/12/2010 12:38 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 12:38 PM
Toluene	U		1.0	µg/L	1	12/12/2010 12:38 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:38 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 12:38 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 12:38 PM
<b>Vinyl chloride</b>	<b>44</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 12:38 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 12:38 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/12/2010 12:38 PM
Surr: 4-Bromofluorobenzene	92.8		75-120	%REC	1	12/12/2010 12:38 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/12/2010 12:38 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW3-G121010

**Collection Date:** 12/10/2010 11:08 AM

**Work Order:** 1012326

**Lab ID:** 1012326-09

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.6		85-120	%REC	1	12/12/2010 12:38 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-EB001-121010

**Lab ID:** 1012326-10

**Collection Date:** 12/10/2010 12:00 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 06:15 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 06:15 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 06:15 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 06:15 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:15 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 06:15 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 06:15 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 06:15 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 06:15 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 06:15 PM
Acetone	U		20	µg/L	1	12/11/2010 06:15 PM
Benzene	U		1.0	µg/L	1	12/11/2010 06:15 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 06:15 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 06:15 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 06:15 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 06:15 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 06:15 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 06:15 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 06:15 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 06:15 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 06:15 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:15 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 06:15 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 06:15 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 06:15 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 06:15 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 06:15 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 06:15 PM
Styrene	U		1.0	µg/L	1	12/11/2010 06:15 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 06:15 PM
Toluene	U		1.0	µg/L	1	12/11/2010 06:15 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:15 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 06:15 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 06:15 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 06:15 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 06:15 PM
Surr: 1,2-Dichloroethane-d4	101		70-120	%REC	1	12/11/2010 06:15 PM
Surr: 4-Bromofluorobenzene	94.6		75-120	%REC	1	12/11/2010 06:15 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/11/2010 06:15 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

**Date:** 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-EB001-121010

**Lab ID:** 1012326-10

**Collection Date:** 12/10/2010 12:00 PM

**Matrix:** WATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	100		85-120	%REC	1	12/11/2010 06:15 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-EB002-121010

**Lab ID:** 1012326-11

**Collection Date:** 12/10/2010 12:05 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 06:41 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 06:41 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 06:41 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 06:41 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:41 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 06:41 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 06:41 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 06:41 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 06:41 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 06:41 PM
<b>Acetone</b>	<b>1.2</b>	<b>J</b>	<b>20</b>	<b>µg/L</b>	<b>1</b>	12/11/2010 06:41 PM
Benzene	U		1.0	µg/L	1	12/11/2010 06:41 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 06:41 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 06:41 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 06:41 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 06:41 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 06:41 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 06:41 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 06:41 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 06:41 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 06:41 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:41 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 06:41 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 06:41 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 06:41 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 06:41 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 06:41 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 06:41 PM
Styrene	U		1.0	µg/L	1	12/11/2010 06:41 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 06:41 PM
Toluene	U		1.0	µg/L	1	12/11/2010 06:41 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 06:41 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 06:41 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 06:41 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 06:41 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 06:41 PM
Surr: 1,2-Dichloroethane-d4	101		70-120	%REC	1	12/11/2010 06:41 PM
Surr: 4-Bromofluorobenzene	95.6		75-120	%REC	1	12/11/2010 06:41 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/11/2010 06:41 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

**Date:** 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-EB002-121010

**Lab ID:** 1012326-11

**Collection Date:** 12/10/2010 12:05 PM

**Matrix:** WATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	100		85-120	%REC	1	12/11/2010 06:41 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW48(56)-G120910

**Lab ID:** 1012326-12

**Collection Date:** 12/9/2010 10:30 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/11/2010 11:47 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/11/2010 11:47 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/11/2010 11:47 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/11/2010 11:47 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:47 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/11/2010 11:47 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/11/2010 11:47 PM
2-Butanone	U		5.0	µg/L	1	12/11/2010 11:47 PM
2-Hexanone	U		5.0	µg/L	1	12/11/2010 11:47 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/11/2010 11:47 PM
Acetone	U		20	µg/L	1	12/11/2010 11:47 PM
Benzene	U		1.0	µg/L	1	12/11/2010 11:47 PM
Bromodichloromethane	U		1.0	µg/L	1	12/11/2010 11:47 PM
Bromoform	U		1.0	µg/L	1	12/11/2010 11:47 PM
Bromomethane	U		1.0	µg/L	1	12/11/2010 11:47 PM
Carbon disulfide	U		2.5	µg/L	1	12/11/2010 11:47 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/11/2010 11:47 PM
Chlorobenzene	U		1.0	µg/L	1	12/11/2010 11:47 PM
Chloroethane	U		1.0	µg/L	1	12/11/2010 11:47 PM
Chloroform	U		1.0	µg/L	1	12/11/2010 11:47 PM
Chloromethane	U		1.0	µg/L	1	12/11/2010 11:47 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:47 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 11:47 PM
Dibromochloromethane	U		1.0	µg/L	1	12/11/2010 11:47 PM
Ethylbenzene	U		1.0	µg/L	1	12/11/2010 11:47 PM
m,p-Xylene	U		2.0	µg/L	1	12/11/2010 11:47 PM
Methylene chloride	U		5.0	µg/L	1	12/11/2010 11:47 PM
o-Xylene	U		1.0	µg/L	1	12/11/2010 11:47 PM
Styrene	U		1.0	µg/L	1	12/11/2010 11:47 PM
Tetrachloroethene	U		2.0	µg/L	1	12/11/2010 11:47 PM
Toluene	U		1.0	µg/L	1	12/11/2010 11:47 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/11/2010 11:47 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/11/2010 11:47 PM
Trichloroethene	U		1.0	µg/L	1	12/11/2010 11:47 PM
Vinyl chloride	U		1.0	µg/L	1	12/11/2010 11:47 PM
Xylenes, Total	U		2.0	µg/L	1	12/11/2010 11:47 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/11/2010 11:47 PM
Surr: 4-Bromofluorobenzene	91.4		75-120	%REC	1	12/11/2010 11:47 PM
Surr: Dibromofluoromethane	100		85-115	%REC	1	12/11/2010 11:47 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW48(56)-G120910

**Collection Date:** 12/9/2010 10:30 AM

**Work Order:** 1012326

**Lab ID:** 1012326-12

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	100		85-120	%REC	1	12/11/2010 11:47 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW48(105)-G120910

**Lab ID:** 1012326-13

**Collection Date:** 12/9/2010 10:45 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 12:12 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 12:12 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 12:12 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 12:12 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:12 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 12:12 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 12:12 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 12:12 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 12:12 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 12:12 PM
Acetone	U		20	µg/L	1	12/12/2010 12:12 PM
Benzene	U		1.0	µg/L	1	12/12/2010 12:12 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 12:12 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 12:12 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 12:12 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 12:12 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 12:12 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 12:12 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 12:12 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 12:12 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 12:12 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:12 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 12:12 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 12:12 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 12:12 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 12:12 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 12:12 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 12:12 PM
Styrene	U		1.0	µg/L	1	12/12/2010 12:12 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 12:12 PM
Toluene	U		1.0	µg/L	1	12/12/2010 12:12 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:12 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 12:12 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 12:12 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 12:12 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 12:12 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/12/2010 12:12 PM
Surr: 4-Bromofluorobenzene	92.2		75-120	%REC	1	12/12/2010 12:12 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/12/2010 12:12 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW48(105)-G120910

**Collection Date:** 12/9/2010 10:45 AM

**Work Order:** 1012326

**Lab ID:** 1012326-13

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.7		85-120	%REC	1	12/12/2010 12:12 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW31(55.5)-G120910

**Lab ID:** 1012326-14

**Collection Date:** 12/9/2010 12:24 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 11:13 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 11:13 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 11:13 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 11:13 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 11:13 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 11:13 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 11:13 AM
2-Butanone	U		5.0	µg/L	1	12/12/2010 11:13 AM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 11:13 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 11:13 AM
Acetone	U		20	µg/L	1	12/12/2010 11:13 AM
Benzene	U		1.0	µg/L	1	12/12/2010 11:13 AM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 11:13 AM
Bromoform	U		1.0	µg/L	1	12/12/2010 11:13 AM
Bromomethane	U		1.0	µg/L	1	12/12/2010 11:13 AM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 11:13 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 11:13 AM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 11:13 AM
Chloroethane	U		1.0	µg/L	1	12/12/2010 11:13 AM
Chloroform	U		1.0	µg/L	1	12/12/2010 11:13 AM
Chloromethane	U		1.0	µg/L	1	12/12/2010 11:13 AM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 11:13 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 11:13 AM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 11:13 AM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 11:13 AM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 11:13 AM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 11:13 AM
o-Xylene	U		1.0	µg/L	1	12/12/2010 11:13 AM
Styrene	U		1.0	µg/L	1	12/12/2010 11:13 AM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 11:13 AM
Toluene	U		1.0	µg/L	1	12/12/2010 11:13 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 11:13 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 11:13 AM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 11:13 AM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 11:13 AM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 11:13 AM
Surr: 1,2-Dichloroethane-d4	100		70-120	%REC	1	12/12/2010 11:13 AM
Surr: 4-Bromofluorobenzene	94.8		75-120	%REC	1	12/12/2010 11:13 AM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/12/2010 11:13 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW31(55.5)-G120910

**Collection Date:** 12/9/2010 12:24 PM

**Work Order:** 1012326

**Lab ID:** 1012326-14

**Matrix:** GROUNDWATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	98.9		85-120	%REC	1	12/12/2010 11:13 AM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW31(139.2)-G120910

**Lab ID:** 1012326-15

**Collection Date:** 12/9/2010 11:41 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 11:39 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 11:39 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 11:39 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 11:39 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 11:39 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 11:39 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 11:39 AM
2-Butanone	U		5.0	µg/L	1	12/12/2010 11:39 AM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 11:39 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 11:39 AM
Acetone	U		20	µg/L	1	12/12/2010 11:39 AM
Benzene	U		1.0	µg/L	1	12/12/2010 11:39 AM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 11:39 AM
Bromoform	U		1.0	µg/L	1	12/12/2010 11:39 AM
Bromomethane	U		1.0	µg/L	1	12/12/2010 11:39 AM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 11:39 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 11:39 AM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 11:39 AM
Chloroethane	U		1.0	µg/L	1	12/12/2010 11:39 AM
Chloroform	U		1.0	µg/L	1	12/12/2010 11:39 AM
Chloromethane	U		1.0	µg/L	1	12/12/2010 11:39 AM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 11:39 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 11:39 AM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 11:39 AM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 11:39 AM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 11:39 AM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 11:39 AM
o-Xylene	U		1.0	µg/L	1	12/12/2010 11:39 AM
Styrene	U		1.0	µg/L	1	12/12/2010 11:39 AM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 11:39 AM
Toluene	U		1.0	µg/L	1	12/12/2010 11:39 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 11:39 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 11:39 AM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 11:39 AM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 11:39 AM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 11:39 AM
Surr: 1,2-Dichloroethane-d4	101		70-120	%REC	1	12/12/2010 11:39 AM
Surr: 4-Bromofluorobenzene	93.3		75-120	%REC	1	12/12/2010 11:39 AM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/12/2010 11:39 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW31(139.2)-G120910

**Collection Date:** 12/9/2010 11:41 AM

**Work Order:** 1012326

**Lab ID:** 1012326-15

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	101		85-120	%REC	1	12/12/2010 11:39 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW48(159)-G120910

**Lab ID:** 1012326-16

**Collection Date:** 12/9/2010 09:54 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 12:04 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 12:04 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 12:04 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 12:04 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:04 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 12:04 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 12:04 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 12:04 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 12:04 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 12:04 PM
Acetone	U		20	µg/L	1	12/12/2010 12:04 PM
Benzene	U		1.0	µg/L	1	12/12/2010 12:04 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 12:04 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 12:04 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 12:04 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 12:04 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 12:04 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 12:04 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 12:04 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 12:04 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 12:04 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:04 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 12:04 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 12:04 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 12:04 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 12:04 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 12:04 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 12:04 PM
Styrene	U		1.0	µg/L	1	12/12/2010 12:04 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 12:04 PM
Toluene	U		1.0	µg/L	1	12/12/2010 12:04 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:04 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 12:04 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 12:04 PM
<b>Vinyl chloride</b>	<b>3.8</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 12:04 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 12:04 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/12/2010 12:04 PM
Surr: 4-Bromofluorobenzene	94.8		75-120	%REC	1	12/12/2010 12:04 PM
Surr: Dibromofluoromethane	100		85-115	%REC	1	12/12/2010 12:04 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW48(159)-G120910

**Collection Date:** 12/9/2010 09:54 AM

**Work Order:** 1012326

**Lab ID:** 1012326-16

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	100		85-120	%REC	1	12/12/2010 12:04 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW48(129)-G120910

**Lab ID:** 1012326-17

**Collection Date:** 12/9/2010 09:45 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 12:30 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 12:30 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 12:30 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 12:30 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:30 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 12:30 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 12:30 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 12:30 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 12:30 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 12:30 PM
Acetone	U		20	µg/L	1	12/12/2010 12:30 PM
Benzene	U		1.0	µg/L	1	12/12/2010 12:30 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 12:30 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 12:30 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 12:30 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 12:30 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 12:30 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 12:30 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 12:30 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 12:30 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 12:30 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:30 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 12:30 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 12:30 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 12:30 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 12:30 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 12:30 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 12:30 PM
Styrene	U		1.0	µg/L	1	12/12/2010 12:30 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 12:30 PM
Toluene	U		1.0	µg/L	1	12/12/2010 12:30 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:30 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 12:30 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 12:30 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 12:30 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 12:30 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/12/2010 12:30 PM
Surr: 4-Bromofluorobenzene	92.4		75-120	%REC	1	12/12/2010 12:30 PM
Surr: Dibromofluoromethane	99.6		85-115	%REC	1	12/12/2010 12:30 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW48(129)-G120910

**Collection Date:** 12/9/2010 09:45 AM

**Work Order:** 1012326

**Lab ID:** 1012326-17

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/12/2010 12:30 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW52(55)-G120910

**Lab ID:** 1012326-18

**Collection Date:** 12/9/2010 01:55 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 12:56 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 12:56 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 12:56 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 12:56 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:56 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 12:56 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 12:56 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 12:56 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 12:56 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 12:56 PM
Acetone	U		20	µg/L	1	12/12/2010 12:56 PM
Benzene	U		1.0	µg/L	1	12/12/2010 12:56 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 12:56 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 12:56 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 12:56 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 12:56 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 12:56 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 12:56 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 12:56 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 12:56 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 12:56 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:56 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 12:56 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 12:56 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 12:56 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 12:56 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 12:56 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 12:56 PM
Styrene	U		1.0	µg/L	1	12/12/2010 12:56 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 12:56 PM
Toluene	U		1.0	µg/L	1	12/12/2010 12:56 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 12:56 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 12:56 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 12:56 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 12:56 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 12:56 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/12/2010 12:56 PM
Surr: 4-Bromofluorobenzene	91.8		75-120	%REC	1	12/12/2010 12:56 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/12/2010 12:56 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW52(55)-G120910

**Collection Date:** 12/9/2010 01:55 PM

**Work Order:** 1012326

**Lab ID:** 1012326-18

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/12/2010 12:56 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW52(148)-G120910

**Lab ID:** 1012326-19

**Collection Date:** 12/9/2010 02:03 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 01:22 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 01:22 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 01:22 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 01:22 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 01:22 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 01:22 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 01:22 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 01:22 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 01:22 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 01:22 PM
Acetone	U		20	µg/L	1	12/12/2010 01:22 PM
Benzene	U		1.0	µg/L	1	12/12/2010 01:22 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 01:22 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 01:22 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 01:22 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 01:22 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 01:22 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 01:22 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 01:22 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 01:22 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 01:22 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 01:22 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 01:22 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 01:22 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 01:22 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 01:22 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 01:22 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 01:22 PM
Styrene	U		1.0	µg/L	1	12/12/2010 01:22 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 01:22 PM
Toluene	U		1.0	µg/L	1	12/12/2010 01:22 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 01:22 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 01:22 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 01:22 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 01:22 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 01:22 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/12/2010 01:22 PM
Surr: 4-Bromofluorobenzene	91.2		75-120	%REC	1	12/12/2010 01:22 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/12/2010 01:22 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW52(148)-G120910

**Collection Date:** 12/9/2010 02:03 PM

**Work Order:** 1012326

**Lab ID:** 1012326-19

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.0		85-120	%REC	1	12/12/2010 01:22 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW57(38)-G120910

**Lab ID:** 1012326-20

**Collection Date:** 12/9/2010 03:56 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 01:48 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 01:48 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 01:48 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 01:48 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 01:48 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 01:48 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 01:48 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 01:48 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 01:48 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 01:48 PM
Acetone	U		20	µg/L	1	12/12/2010 01:48 PM
Benzene	U		1.0	µg/L	1	12/12/2010 01:48 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 01:48 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 01:48 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 01:48 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 01:48 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 01:48 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 01:48 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 01:48 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 01:48 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 01:48 PM
<b>cis-1,2-Dichloroethene</b>	<b>1.5</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 01:48 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 01:48 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 01:48 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 01:48 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 01:48 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 01:48 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 01:48 PM
Styrene	U		1.0	µg/L	1	12/12/2010 01:48 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 01:48 PM
Toluene	U		1.0	µg/L	1	12/12/2010 01:48 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 01:48 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 01:48 PM
<b>Trichloroethene</b>	<b>1.6</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 01:48 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 01:48 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 01:48 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	1	12/12/2010 01:48 PM
Surr: 4-Bromofluorobenzene	94.3		75-120	%REC	1	12/12/2010 01:48 PM
Surr: Dibromofluoromethane	105		85-115	%REC	1	12/12/2010 01:48 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

**Date:** 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW57(38)-G120910

**Collection Date:** 12/9/2010 03:56 PM

**Work Order:** 1012326

**Lab ID:** 1012326-20

**Matrix:** GROUNDWATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	100		85-120	%REC	1	12/12/2010 01:48 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW9C-G120910

**Lab ID:** 1012326-21

**Collection Date:** 12/9/2010 02:55 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 02:14 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 02:14 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 02:14 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 02:14 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 02:14 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 02:14 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 02:14 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 02:14 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 02:14 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 02:14 PM
Acetone	U		20	µg/L	1	12/12/2010 02:14 PM
Benzene	U		1.0	µg/L	1	12/12/2010 02:14 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 02:14 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 02:14 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 02:14 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 02:14 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 02:14 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 02:14 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 02:14 PM
<b>Chloroform</b>	<b>5.8</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 02:14 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 02:14 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 02:14 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 02:14 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 02:14 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 02:14 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 02:14 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 02:14 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 02:14 PM
Styrene	U		1.0	µg/L	1	12/12/2010 02:14 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 02:14 PM
Toluene	U		1.0	µg/L	1	12/12/2010 02:14 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 02:14 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 02:14 PM
<b>Trichloroethene</b>	<b>1.5</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 02:14 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 02:14 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 02:14 PM
Surr: 1,2-Dichloroethane-d4	101		70-120	%REC	1	12/12/2010 02:14 PM
Surr: 4-Bromofluorobenzene	92.3		75-120	%REC	1	12/12/2010 02:14 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/12/2010 02:14 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

**Date:** 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW9C-G120910

**Collection Date:** 12/9/2010 02:55 PM

**Work Order:** 1012326

**Lab ID:** 1012326-21

**Matrix:** GROUNDWATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	99.3		85-120	%REC	1	12/12/2010 02:14 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW45(185)-G120810

**Lab ID:** 1012326-22

**Collection Date:** 12/8/2010 02:56 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 02:40 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 02:40 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 02:40 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 02:40 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 02:40 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 02:40 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 02:40 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 02:40 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 02:40 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 02:40 PM
Acetone	U		20	µg/L	1	12/12/2010 02:40 PM
Benzene	U		1.0	µg/L	1	12/12/2010 02:40 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 02:40 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 02:40 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 02:40 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 02:40 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 02:40 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 02:40 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 02:40 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 02:40 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 02:40 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 02:40 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 02:40 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 02:40 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 02:40 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 02:40 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 02:40 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 02:40 PM
Styrene	U		1.0	µg/L	1	12/12/2010 02:40 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 02:40 PM
Toluene	U		1.0	µg/L	1	12/12/2010 02:40 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 02:40 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 02:40 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 02:40 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 02:40 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 02:40 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/12/2010 02:40 PM
Surr: 4-Bromofluorobenzene	92.1		75-120	%REC	1	12/12/2010 02:40 PM
Surr: Dibromofluoromethane	104		85-115	%REC	1	12/12/2010 02:40 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW45(185)-G120810

**Collection Date:** 12/8/2010 02:56 PM

**Work Order:** 1012326

**Lab ID:** 1012326-22

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.9		85-120	%REC	1	12/12/2010 02:40 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW1-G120810

**Lab ID:** 1012326-23

**Collection Date:** 12/8/2010 01:47 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 03:06 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 03:06 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 03:06 PM
<b>1,1-Dichloroethane</b>	<b>0.62</b>	J	<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 03:06 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 03:06 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 03:06 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 03:06 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 03:06 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 03:06 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 03:06 PM
<b>Acetone</b>	<b>1.6</b>	J	<b>20</b>	<b>µg/L</b>	1	12/12/2010 03:06 PM
<b>Benzene</b>	<b>1.4</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 03:06 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 03:06 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 03:06 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 03:06 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 03:06 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 03:06 PM
<b>Chlorobenzene</b>	<b>7.4</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 03:06 PM
<b>Chloroethane</b>	<b>1.2</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 03:06 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 03:06 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 03:06 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.62</b>	J	<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 03:06 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 03:06 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 03:06 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 03:06 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 03:06 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 03:06 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 03:06 PM
Styrene	U		1.0	µg/L	1	12/12/2010 03:06 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 03:06 PM
Toluene	U		1.0	µg/L	1	12/12/2010 03:06 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 03:06 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 03:06 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 03:06 PM
<b>Vinyl chloride</b>	<b>0.87</b>	J	<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 03:06 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 03:06 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/12/2010 03:06 PM
Surr: 4-Bromofluorobenzene	94.6		75-120	%REC	1	12/12/2010 03:06 PM
Surr: Dibromofluoromethane	105		85-115	%REC	1	12/12/2010 03:06 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW1-G120810

**Collection Date:** 12/8/2010 01:47 PM

**Work Order:** 1012326

**Lab ID:** 1012326-23

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.6		85-120	%REC	1	12/12/2010 03:06 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW29(103.3)-G120810

**Lab ID:** 1012326-24

**Collection Date:** 12/8/2010 03:59 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 03:32 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 03:32 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 03:32 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 03:32 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 03:32 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 03:32 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 03:32 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 03:32 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 03:32 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 03:32 PM
Acetone	U		20	µg/L	1	12/12/2010 03:32 PM
Benzene	U		1.0	µg/L	1	12/12/2010 03:32 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 03:32 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 03:32 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 03:32 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 03:32 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 03:32 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 03:32 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 03:32 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 03:32 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 03:32 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 03:32 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 03:32 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 03:32 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 03:32 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 03:32 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 03:32 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 03:32 PM
Styrene	U		1.0	µg/L	1	12/12/2010 03:32 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 03:32 PM
Toluene	U		1.0	µg/L	1	12/12/2010 03:32 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 03:32 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 03:32 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 03:32 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 03:32 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 03:32 PM
Surr: 1,2-Dichloroethane-d4	99.3		70-120	%REC	1	12/12/2010 03:32 PM
Surr: 4-Bromofluorobenzene	91.1		75-120	%REC	1	12/12/2010 03:32 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/12/2010 03:32 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW29(103.3)-G120810

**Collection Date:** 12/8/2010 03:59 PM

**Work Order:** 1012326

**Lab ID:** 1012326-24

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.0		85-120	%REC	1	12/12/2010 03:32 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW29(82.5)-G120810

**Lab ID:** 1012326-25

**Collection Date:** 12/8/2010 04:05 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 03:58 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 03:58 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 03:58 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 03:58 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 03:58 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 03:58 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 03:58 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 03:58 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 03:58 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 03:58 PM
Acetone	U		20	µg/L	1	12/12/2010 03:58 PM
Benzene	U		1.0	µg/L	1	12/12/2010 03:58 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 03:58 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 03:58 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 03:58 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 03:58 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 03:58 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 03:58 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 03:58 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 03:58 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 03:58 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 03:58 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 03:58 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 03:58 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 03:58 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 03:58 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 03:58 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 03:58 PM
Styrene	U		1.0	µg/L	1	12/12/2010 03:58 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 03:58 PM
Toluene	U		1.0	µg/L	1	12/12/2010 03:58 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 03:58 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 03:58 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 03:58 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 03:58 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 03:58 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/12/2010 03:58 PM
Surr: 4-Bromofluorobenzene	92.2		75-120	%REC	1	12/12/2010 03:58 PM
Surr: Dibromofluoromethane	105		85-115	%REC	1	12/12/2010 03:58 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW29(82.5)-G120810

**Collection Date:** 12/8/2010 04:05 PM

**Work Order:** 1012326

**Lab ID:** 1012326-25

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.9		85-120	%REC	1	12/12/2010 03:58 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW29(132.8)-G120810

**Lab ID:** 1012326-26

**Collection Date:** 12/8/2010 03:25 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 04:24 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 04:24 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 04:24 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 04:24 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 04:24 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 04:24 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 04:24 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 04:24 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 04:24 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 04:24 PM
Acetone	U		20	µg/L	1	12/12/2010 04:24 PM
Benzene	U		1.0	µg/L	1	12/12/2010 04:24 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 04:24 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 04:24 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 04:24 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 04:24 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 04:24 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 04:24 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 04:24 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 04:24 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 04:24 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 04:24 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 04:24 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 04:24 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 04:24 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 04:24 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 04:24 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 04:24 PM
Styrene	U		1.0	µg/L	1	12/12/2010 04:24 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 04:24 PM
Toluene	U		1.0	µg/L	1	12/12/2010 04:24 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 04:24 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 04:24 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 04:24 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 04:24 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 04:24 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/12/2010 04:24 PM
Surr: 4-Bromofluorobenzene	91.6		75-120	%REC	1	12/12/2010 04:24 PM
Surr: Dibromofluoromethane	103		85-115	%REC	1	12/12/2010 04:24 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW29(132.8)-G120810

**Collection Date:** 12/8/2010 03:25 PM

**Work Order:** 1012326

**Lab ID:** 1012326-26

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	99.9		85-120	%REC	1	12/12/2010 04:24 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW53(41)-G120810

**Lab ID:** 1012326-27

**Collection Date:** 12/8/2010 01:54 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 04:50 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 04:50 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 04:50 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 04:50 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 04:50 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 04:50 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 04:50 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 04:50 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 04:50 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 04:50 PM
Acetone	U		20	µg/L	1	12/12/2010 04:50 PM
Benzene	U		1.0	µg/L	1	12/12/2010 04:50 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 04:50 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 04:50 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 04:50 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 04:50 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 04:50 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 04:50 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 04:50 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 04:50 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 04:50 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 04:50 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 04:50 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 04:50 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 04:50 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 04:50 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 04:50 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 04:50 PM
Styrene	U		1.0	µg/L	1	12/12/2010 04:50 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 04:50 PM
Toluene	U		1.0	µg/L	1	12/12/2010 04:50 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 04:50 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 04:50 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 04:50 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 04:50 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 04:50 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/12/2010 04:50 PM
Surr: 4-Bromofluorobenzene	93.7		75-120	%REC	1	12/12/2010 04:50 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/12/2010 04:50 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW53(41)-G120810

**Collection Date:** 12/8/2010 01:54 PM

**Work Order:** 1012326

**Lab ID:** 1012326-27

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.7		85-120	%REC	1	12/12/2010 04:50 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW9B-G120910

**Lab ID:** 1012326-28

**Collection Date:** 12/9/2010 03:05 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 05:15 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 05:15 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 05:15 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 05:15 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 05:15 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 05:15 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 05:15 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 05:15 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 05:15 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 05:15 PM
Acetone	U		20	µg/L	1	12/12/2010 05:15 PM
Benzene	U		1.0	µg/L	1	12/12/2010 05:15 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 05:15 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 05:15 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 05:15 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 05:15 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 05:15 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 05:15 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 05:15 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 05:15 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 05:15 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 05:15 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 05:15 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 05:15 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 05:15 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 05:15 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 05:15 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 05:15 PM
Styrene	U		1.0	µg/L	1	12/12/2010 05:15 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 05:15 PM
Toluene	U		1.0	µg/L	1	12/12/2010 05:15 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 05:15 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 05:15 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 05:15 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 05:15 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 05:15 PM
Surr: 1,2-Dichloroethane-d4	99.8		70-120	%REC	1	12/12/2010 05:15 PM
Surr: 4-Bromofluorobenzene	92.3		75-120	%REC	1	12/12/2010 05:15 PM
Surr: Dibromofluoromethane	101		85-115	%REC	1	12/12/2010 05:15 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW9B-G120910

**Collection Date:** 12/9/2010 03:05 PM

**Work Order:** 1012326

**Lab ID:** 1012326-28

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	99.4		85-120	%REC	1	12/12/2010 05:15 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW55(49)-G120910

**Lab ID:** 1012326-29

**Collection Date:** 12/9/2010 04:33 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 05:41 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 05:41 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 05:41 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 05:41 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 05:41 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 05:41 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 05:41 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 05:41 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 05:41 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 05:41 PM
Acetone	U		20	µg/L	1	12/12/2010 05:41 PM
Benzene	U		1.0	µg/L	1	12/12/2010 05:41 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 05:41 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 05:41 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 05:41 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 05:41 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 05:41 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 05:41 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 05:41 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 05:41 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 05:41 PM
<b>cis-1,2-Dichloroethene</b>	<b>2.7</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 05:41 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 05:41 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 05:41 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 05:41 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 05:41 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 05:41 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 05:41 PM
Styrene	U		1.0	µg/L	1	12/12/2010 05:41 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 05:41 PM
Toluene	U		1.0	µg/L	1	12/12/2010 05:41 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 05:41 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 05:41 PM
<b>Trichloroethene</b>	<b>3.1</b>		<b>1.0</b>	<b>µg/L</b>	1	12/12/2010 05:41 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 05:41 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 05:41 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/12/2010 05:41 PM
Surr: 4-Bromofluorobenzene	90.4		75-120	%REC	1	12/12/2010 05:41 PM
Surr: Dibromofluoromethane	103		85-115	%REC	1	12/12/2010 05:41 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

**Date:** 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW55(49)-G120910

**Collection Date:** 12/9/2010 04:33 PM

**Work Order:** 1012326

**Lab ID:** 1012326-29

**Matrix:** GROUNDWATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	100		85-120	%REC	1	12/12/2010 05:41 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW31(98.5)-G120910

**Lab ID:** 1012326-30

**Collection Date:** 12/9/2010 11:55 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 06:06 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 06:06 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 06:06 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 06:06 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 06:06 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 06:06 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 06:06 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 06:06 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 06:06 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 06:06 PM
Acetone	U		20	µg/L	1	12/12/2010 06:06 PM
Benzene	U		1.0	µg/L	1	12/12/2010 06:06 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 06:06 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 06:06 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 06:06 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 06:06 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 06:06 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 06:06 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 06:06 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 06:06 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 06:06 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 06:06 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 06:06 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 06:06 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 06:06 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 06:06 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 06:06 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 06:06 PM
Styrene	U		1.0	µg/L	1	12/12/2010 06:06 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 06:06 PM
Toluene	U		1.0	µg/L	1	12/12/2010 06:06 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 06:06 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 06:06 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 06:06 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 06:06 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 06:06 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/12/2010 06:06 PM
Surr: 4-Bromofluorobenzene	92.8		75-120	%REC	1	12/12/2010 06:06 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/12/2010 06:06 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW31(98.5)-G120910

**Collection Date:** 12/9/2010 11:55 AM

**Work Order:** 1012326

**Lab ID:** 1012326-30

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.2		85-120	%REC	1	12/12/2010 06:06 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Work Order:** 1012326

**Sample ID:** MTR-MW31(30.9)-G120910

**Lab ID:** 1012326-31

**Collection Date:** 12/9/2010 12:29 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/12/2010 06:32 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/12/2010 06:32 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/12/2010 06:32 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/12/2010 06:32 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/12/2010 06:32 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/12/2010 06:32 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/12/2010 06:32 PM
2-Butanone	U		5.0	µg/L	1	12/12/2010 06:32 PM
2-Hexanone	U		5.0	µg/L	1	12/12/2010 06:32 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/12/2010 06:32 PM
Acetone	U		20	µg/L	1	12/12/2010 06:32 PM
Benzene	U		1.0	µg/L	1	12/12/2010 06:32 PM
Bromodichloromethane	U		1.0	µg/L	1	12/12/2010 06:32 PM
Bromoform	U		1.0	µg/L	1	12/12/2010 06:32 PM
Bromomethane	U		1.0	µg/L	1	12/12/2010 06:32 PM
Carbon disulfide	U		2.5	µg/L	1	12/12/2010 06:32 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/12/2010 06:32 PM
Chlorobenzene	U		1.0	µg/L	1	12/12/2010 06:32 PM
Chloroethane	U		1.0	µg/L	1	12/12/2010 06:32 PM
Chloroform	U		1.0	µg/L	1	12/12/2010 06:32 PM
Chloromethane	U		1.0	µg/L	1	12/12/2010 06:32 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.68</b>	<b>J</b>	<b>1.0</b>	<b>µg/L</b>	<b>1</b>	12/12/2010 06:32 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 06:32 PM
Dibromochloromethane	U		1.0	µg/L	1	12/12/2010 06:32 PM
Ethylbenzene	U		1.0	µg/L	1	12/12/2010 06:32 PM
m,p-Xylene	U		2.0	µg/L	1	12/12/2010 06:32 PM
Methylene chloride	U		5.0	µg/L	1	12/12/2010 06:32 PM
o-Xylene	U		1.0	µg/L	1	12/12/2010 06:32 PM
Styrene	U		1.0	µg/L	1	12/12/2010 06:32 PM
Tetrachloroethene	U		2.0	µg/L	1	12/12/2010 06:32 PM
Toluene	U		1.0	µg/L	1	12/12/2010 06:32 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/12/2010 06:32 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/12/2010 06:32 PM
Trichloroethene	U		1.0	µg/L	1	12/12/2010 06:32 PM
Vinyl chloride	U		1.0	µg/L	1	12/12/2010 06:32 PM
Xylenes, Total	U		2.0	µg/L	1	12/12/2010 06:32 PM
Surr: 1,2-Dichloroethane-d4	101		70-120	%REC	1	12/12/2010 06:32 PM
Surr: 4-Bromofluorobenzene	91.9		75-120	%REC	1	12/12/2010 06:32 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/12/2010 06:32 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 21-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** TextronTORX Facility GW Dec. 2010

**Sample ID:** MTR-MW31(30.9)-G120910

**Collection Date:** 12/9/2010 12:29 PM

**Work Order:** 1012326

**Lab ID:** 1012326-31

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.1		85-120	%REC	1	12/12/2010 06:32 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 21-Dec-10

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012326  
 Project: TextronTORX Facility GW Dec. 2010

QC BATCH REPORT

Batch ID: R84754 Instrument ID VMS5 Method: SW8260

MBLK	Sample ID: VBLKW1-101211-R84754	Units: µg/L					Analysis Date: 12/11/2010 04:32 PM				
Client ID:	Run ID: VMS5_101211A	SeqNo: 1505131			Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Hexanone	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	20									
Benzene	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	2.5									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Ethylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methylene chloride	U	5.0									
o-Xylene	U	1.0									
Styrene	U	1.0									
Tetrachloroethene	U	2.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Vinyl chloride	U	1.0									
Xylenes, Total	U	2.0									
Surr: 1,2-Dichloroethane-d4	99.55	0	100	0	99.6	70-120	0				
Surr: 4-Bromofluorobenzene	94.04	0	100	0	94	75-120	0				
Surr: Dibromofluoromethane	97.94	0	100	0	97.9	85-115	0				
Surr: Toluene-d8	100.6	0	100	0	101	85-120	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012326  
 Project: TextronTORX Facility GW Dec. 2010

# QC BATCH REPORT

Batch ID: **R84754** Instrument ID **VMS5** Method: **SW8260**

LCS		Sample ID: <b>VLCSW1-101211-R84754</b>				Units: <b>µg/L</b>		Analysis Date: <b>12/11/2010 03:13 PM</b>			
Client ID:		Run ID: <b>VMS5_101211A</b>				SeqNo: <b>1504705</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.87	1.0	20	0	104	65-130	0				
1,1,2,2-Tetrachloroethane	18.36	1.0	20	0	91.8	65-130	0				
1,1,2-Trichloroethane	18.72	1.0	20	0	93.6	75-125	0				
1,1-Dichloroethane	21.42	1.0	20	0	107	70-135	0				
1,1-Dichloroethene	22.89	1.0	20	0	114	70-130	0				
1,2-Dichloroethane	19.19	1.0	20	0	96	70-130	0				
1,2-Dichloropropane	19.25	2.0	20	0	96.2	75-125	0				
2-Butanone	14.89	5.0	20	0	74.4	30-150	0				
2-Hexanone	17.34	5.0	20	0	86.7	55-130	0				
4-Methyl-2-pentanone	17.99	5.0	20	0	90	60-135	0				
Acetone	19.99	20	20	0	100	40-140	0			J	
Benzene	19.85	1.0	20	0	99.2	80-120	0				
Bromodichloromethane	20.76	1.0	20	0	104	75-120	0				
Bromoform	19.19	1.0	20	0	96	70-130	0				
Bromomethane	25.5	1.0	20	0	128	30-145	0				
Carbon disulfide	25.47	2.5	20	0	127	35-165	0				
Carbon tetrachloride	20.59	1.0	20	0	103	65-140	0				
Chlorobenzene	20.36	1.0	20	0	102	80-120	0				
Chloroethane	20.99	1.0	20	0	105	60-135	0				
Chloroform	20.11	1.0	20	0	101	65-135	0				
Chloromethane	21.71	1.0	20	0	109	70-125	0				
cis-1,2-Dichloroethene	20	1.0	20	0	100	70-125	0				
cis-1,3-Dichloropropene	20.45	1.0	20	0	102	70-130	0				
Dibromochloromethane	20.95	1.0	20	0	105	60-135	0				
Ethylbenzene	20.72	1.0	20	0	104	75-125	0				
m,p-Xylene	40.15	2.0	40	0	100	75-130	0				
Methylene chloride	20.86	5.0	20	0	104	55-140	0				
o-Xylene	20.46	1.0	20	0	102	80-120	0				
Styrene	20.32	1.0	20	0	102	65-135	0				
Tetrachloroethene	20.85	2.0	20	0	104	45-150	0				
Toluene	20.49	1.0	20	0	102	75-120	0				
trans-1,2-Dichloroethene	21.41	1.0	20	0	107	60-140	0				
trans-1,3-Dichloropropene	22.09	1.0	20	0	110	55-140	0				
Trichloroethene	19.97	1.0	20	0	99.8	70-125	0				
Vinyl chloride	22.84	1.0	20	0	114	50-145	0				
Xylenes, Total	60.61	2.0	60	0	101	75-130	0				
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>98.4</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98.4</i>	<i>70-120</i>	<i>0</i>				
<i>Surr: 4-Bromofluorobenzene</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>75-120</i>	<i>0</i>				
<i>Surr: Dibromofluoromethane</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-115</i>	<i>0</i>				
<i>Surr: Toluene-d8</i>	<i>99.26</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.3</i>	<i>85-120</i>	<i>0</i>				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012326  
 Project: TextronTORX Facility GW Dec. 2010

# QC BATCH REPORT

Batch ID: **R84754** Instrument ID **VMS5** Method: **SW8260**

LCSD	Sample ID: <b>VLCS DW1-101211-R84754</b>	Units: <b>µg/L</b>					Analysis Date: <b>12/11/2010 03:39 PM</b>				
Client ID:	Run ID: <b>VMS5_101211A</b>	SeqNo: <b>1504707</b>			Prep Date:		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	19.86	1.0	20	0	99.3	65-130	20.87	4.96	30		
1,1,2,2-Tetrachloroethane	18.61	1.0	20	0	93	65-130	18.36	1.35	30		
1,1,2-Trichloroethane	19.03	1.0	20	0	95.2	75-125	18.72	1.64	30		
1,1-Dichloroethane	20.3	1.0	20	0	102	70-135	21.42	5.37	30		
1,1-Dichloroethene	21.27	1.0	20	0	106	70-130	22.89	7.34	30		
1,2-Dichloroethane	19	1.0	20	0	95	70-130	19.19	0.995	30		
1,2-Dichloropropane	18.5	2.0	20	0	92.5	75-125	19.25	3.97	30		
2-Butanone	15.86	5.0	20	0	79.3	30-150	14.89	6.31	30		
2-Hexanone	17.73	5.0	20	0	88.6	55-130	17.34	2.22	30		
4-Methyl-2-pentanone	18.58	5.0	20	0	92.9	60-135	17.99	3.23	30		
Acetone	20.55	20	20	0	103	40-140	19.99	2.76	30		
Benzene	18.81	1.0	20	0	94	80-120	19.85	5.38	30		
Bromodichloromethane	19.73	1.0	20	0	98.6	75-120	20.76	5.09	30		
Bromoform	19.5	1.0	20	0	97.5	70-130	19.19	1.6	30		
Bromomethane	22.67	1.0	20	0	113	30-145	25.5	11.8	30		
Carbon disulfide	23.57	2.5	20	0	118	35-165	25.47	7.75	30		
Carbon tetrachloride	19.9	1.0	20	0	99.5	65-140	20.59	3.41	30		
Chlorobenzene	19.88	1.0	20	0	99.4	80-120	20.36	2.39	30		
Chloroethane	19.36	1.0	20	0	96.8	60-135	20.99	8.08	30		
Chloroform	19.31	1.0	20	0	96.6	65-135	20.11	4.06	30		
Chloromethane	20.9	1.0	20	0	104	70-125	21.71	3.8	30		
cis-1,2-Dichloroethene	18.9	1.0	20	0	94.5	70-125	20	5.66	30		
cis-1,3-Dichloropropene	20.1	1.0	20	0	100	70-130	20.45	1.73	30		
Dibromochloromethane	20.75	1.0	20	0	104	60-135	20.95	0.959	30		
Ethylbenzene	19.87	1.0	20	0	99.4	75-125	20.72	4.19	30		
m,p-Xylene	38.53	2.0	40	0	96.3	75-130	40.15	4.12	30		
Methylene chloride	20.12	5.0	20	0	101	55-140	20.86	3.61	30		
o-Xylene	19.61	1.0	20	0	98	80-120	20.46	4.24	30		
Styrene	20.21	1.0	20	0	101	65-135	20.32	0.543	30		
Tetrachloroethene	19.71	2.0	20	0	98.6	45-150	20.85	5.62	30		
Toluene	19.6	1.0	20	0	98	75-120	20.49	4.44	30		
trans-1,2-Dichloroethene	20.11	1.0	20	0	101	60-140	21.41	6.26	30		
trans-1,3-Dichloropropene	21.99	1.0	20	0	110	55-140	22.09	0.454	30		
Trichloroethene	18.87	1.0	20	0	94.4	70-125	19.97	5.66	30		
Vinyl chloride	20.15	1.0	20	0	101	50-145	22.84	12.5	30		
Xylenes, Total	58.14	2.0	60	0	96.9	75-130	60.61	4.16	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>97.82</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>97.8</i>	<i>70-120</i>	<i>98.4</i>	<i>0.591</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>101.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>75-120</i>	<i>100</i>	<i>1.28</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>102.1</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>85-115</i>	<i>100</i>	<i>2.03</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>98.67</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98.7</i>	<i>85-120</i>	<i>99.26</i>	<i>0.596</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012326  
 Project: TextronTORX Facility GW Dec. 2010

# QC BATCH REPORT

Batch ID: **R84754** Instrument ID **VMS5** Method: **SW8260**

MS		Sample ID: <b>1012326-09A MS</b>			Units: <b>µg/L</b>		Analysis Date: <b>12/12/2010 01:03 AM</b>			
Client ID: <b>MTR-MW3-G121010</b>		Run ID: <b>VMS5_101211A</b>			SeqNo: <b>1505150</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.36	1.0	20	0	107	65-130	0			
1,1,2,2-Tetrachloroethane	18.18	1.0	20	0	90.9	65-130	0			
1,1,2-Trichloroethane	18.38	1.0	20	0	91.9	75-125	0			
1,1-Dichloroethane	21.83	1.0	20	0	109	70-135	0			
1,1-Dichloroethene	24.07	1.0	20	0	120	70-130	0			
1,2-Dichloroethane	19.3	1.0	20	0	96.5	70-130	0			
1,2-Dichloropropane	19.18	2.0	20	0	95.9	75-125	0			
2-Butanone	15.57	5.0	20	0	77.8	30-150	0			
2-Hexanone	18.45	5.0	20	0	92.2	55-130	0			
4-Methyl-2-pentanone	18.86	5.0	20	0	94.3	60-135	0			
Acetone	24.67	20	20	0	123	40-140	0			
Benzene	20.35	1.0	20	0	102	80-120	0			
Bromodichloromethane	20.62	1.0	20	0	103	75-120	0			
Bromoform	19.11	1.0	20	0	95.6	70-130	0			
Bromomethane	17.86	1.0	20	0	89.3	30-145	0			
Carbon disulfide	25.64	2.5	20	0	128	35-165	0			
Carbon tetrachloride	22.04	1.0	20	0	110	65-140	0			
Chlorobenzene	20.4	1.0	20	0	102	80-120	0			
Chloroethane	22.5	1.0	20	0	112	60-135	0			
Chloroform	20.49	1.0	20	0	102	65-135	0			
Chloromethane	21.29	1.0	20	0	106	70-125	0			
cis-1,2-Dichloroethene	83.05	1.0	20	67.19	79.3	70-125	0			
cis-1,3-Dichloropropene	19.44	1.0	20	0	97.2	70-130	0			
Dibromochloromethane	20.98	1.0	20	0	105	60-135	0			
Ethylbenzene	21.42	1.0	20	0.36	105	75-125	0			
m,p-Xylene	40.84	2.0	40	0.3	101	75-130	0			
Methylene chloride	21.39	5.0	20	0	107	55-140	0			
o-Xylene	20.42	1.0	20	0	102	80-120	0			
Styrene	20.21	1.0	20	0	101	65-135	0			
Tetrachloroethene	22.87	2.0	20	0	114	45-150	0			
Toluene	20.75	1.0	20	0	104	75-120	0			
trans-1,2-Dichloroethene	22.42	1.0	20	0	112	60-140	0			
trans-1,3-Dichloropropene	21.16	1.0	20	0	106	55-140	0			
Trichloroethene	20.28	1.0	20	0	101	70-125	0			
Vinyl chloride	49.8	1.0	20	44.21	28	50-145	0			S
Xylenes, Total	61.26	2.0	60	0	102	75-130	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	99.52	0	100	0	99.5	70-120	0			
<i>Surr: 4-Bromofluorobenzene</i>	102.4	0	100	0	102	75-120	0			
<i>Surr: Dibromofluoromethane</i>	103.6	0	100	0	104	85-115	0			
<i>Surr: Toluene-d8</i>	99.36	0	100	0	99.4	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012326  
 Project: TextronTORX Facility GW Dec. 2010

# QC BATCH REPORT

Batch ID: R84754 Instrument ID VMS5 Method: SW8260

MSD	Sample ID: 1012326-09A MSD	Units: µg/L					Analysis Date: 12/12/2010 01:29 AM				
Client ID: MTR-MW3-G121010	Run ID: VMS5_101211A	SeqNo: 1505151			Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.74	1.0	20	0	104	65-130	21.36	2.95	30		
1,1,2,2-Tetrachloroethane	17.83	1.0	20	0	89.2	65-130	18.18	1.94	30		
1,1,2-Trichloroethane	18.37	1.0	20	0	91.8	75-125	18.38	0.0544	30		
1,1-Dichloroethane	21.29	1.0	20	0	106	70-135	21.83	2.5	30		
1,1-Dichloroethene	23.47	1.0	20	0	117	70-130	24.07	2.52	30		
1,2-Dichloroethane	18.73	1.0	20	0	93.6	70-130	19.3	3	30		
1,2-Dichloropropane	18.98	2.0	20	0	94.9	75-125	19.18	1.05	30		
2-Butanone	15.71	5.0	20	0	78.6	30-150	15.57	0.895	30		
2-Hexanone	18.03	5.0	20	0	90.2	55-130	18.45	2.3	30		
4-Methyl-2-pentanone	18.6	5.0	20	0	93	60-135	18.86	1.39	30		
Acetone	22.82	20	20	0	114	40-140	24.67	7.79	30		
Benzene	19.78	1.0	20	0	98.9	80-120	20.35	2.84	30		
Bromodichloromethane	19.74	1.0	20	0	98.7	75-120	20.62	4.36	30		
Bromoform	18.62	1.0	20	0	93.1	70-130	19.11	2.6	30		
Bromomethane	18.6	1.0	20	0	93	30-145	17.86	4.06	30		
Carbon disulfide	24.26	2.5	20	0	121	35-165	25.64	5.53	30		
Carbon tetrachloride	20.76	1.0	20	0	104	65-140	22.04	5.98	30		
Chlorobenzene	19.67	1.0	20	0	98.4	80-120	20.4	3.64	30		
Chloroethane	21.21	1.0	20	0	106	60-135	22.5	5.9	30		
Chloroform	19.86	1.0	20	0	99.3	65-135	20.49	3.12	30		
Chloromethane	20.63	1.0	20	0	103	70-125	21.29	3.15	30		
cis-1,2-Dichloroethene	80.87	1.0	20	67.19	68.4	70-125	83.05	2.66	30	S	
cis-1,3-Dichloropropene	19.44	1.0	20	0	97.2	70-130	19.44	0	30		
Dibromochloromethane	20.09	1.0	20	0	100	60-135	20.98	4.33	30		
Ethylbenzene	20.95	1.0	20	0.36	103	75-125	21.42	2.22	30		
m,p-Xylene	39.33	2.0	40	0.3	97.6	75-130	40.84	3.77	30		
Methylene chloride	20.48	5.0	20	0	102	55-140	21.39	4.35	30		
o-Xylene	19.95	1.0	20	0	99.8	80-120	20.42	2.33	30		
Styrene	19.63	1.0	20	0	98.2	65-135	20.21	2.91	30		
Tetrachloroethene	22.28	2.0	20	0	111	45-150	22.87	2.61	30		
Toluene	20.35	1.0	20	0	102	75-120	20.75	1.95	30		
trans-1,2-Dichloroethene	21.86	1.0	20	0	109	60-140	22.42	2.53	30		
trans-1,3-Dichloropropene	20.99	1.0	20	0	105	55-140	21.16	0.807	30		
Trichloroethene	19.53	1.0	20	0	97.6	70-125	20.28	3.77	30		
Vinyl chloride	48.33	1.0	20	44.21	20.6	50-145	49.8	3	30	S	
Xylenes, Total	59.28	2.0	60	0	98.8	75-130	61.26	3.29	30		
Surr: 1,2-Dichloroethane-d4	97.88	0	100	0	97.9	70-120	99.52	1.66	30		
Surr: 4-Bromofluorobenzene	101.2	0	100	0	101	75-120	102.4	1.19	30		
Surr: Dibromofluoromethane	102	0	100	0	102	85-115	103.6	1.52	30		
Surr: Toluene-d8	100.6	0	100	0	101	85-120	99.36	1.26	30		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** MACTEC Engineering & Consulting, Inc.

**Work Order:** 1012326

**Project:** TextronTORX Facility GW Dec. 2010

## QC BATCH REPORT

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Batch ID: **R84754**

Instrument ID **VMS5**

Method: **SW8260**

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**The following samples were analyzed in this batch:**

1012326-01A	1012326-02A	1012326-03A
1012326-05A	1012326-06A	1012326-07A
1012326-08A	1012326-09A	1012326-10A
1012326-11A	1012326-12A	1012326-13A

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012326  
 Project: TextronTORX Facility GW Dec. 2010

# QC BATCH REPORT

Batch ID: **R84755** Instrument ID **VMS5** Method: **SW8260**

MBLK Sample ID: **VBLKW1-101212-R84755** Units: **µg/L** Analysis Date: **12/12/2010 10:46 AM**

Client ID: Run ID: **VMS5\_101212A** SeqNo: **1505570** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Dibromochloromethane	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Methylene chloride	U	5.0								
o-Xylene	U	1.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								
trans-1,2-Dichloroethene	U	1.0								
trans-1,3-Dichloropropene	U	1.0								
Trichloroethene	U	1.0								
Vinyl chloride	U	1.0								
Xylenes, Total	U	2.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>101.4</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>95.21</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>95.2</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>102.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>100.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012326  
 Project: TextronTORX Facility GW Dec. 2010

# QC BATCH REPORT

Batch ID: **R84755** Instrument ID **VMS5** Method: **SW8260**

LCS		Sample ID: <b>VLCSW1-101212-R84755</b>				Units: <b>µg/L</b>		Analysis Date: <b>12/12/2010 09:30 AM</b>			
Client ID:		Run ID: <b>VMS5_101212A</b>				SeqNo: <b>1505120</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.79	1.0	20	0	104	65-130	0				
1,1,2,2-Tetrachloroethane	18.38	1.0	20	0	91.9	65-130	0				
1,1,2-Trichloroethane	18.86	1.0	20	0	94.3	75-125	0				
1,1-Dichloroethane	21.39	1.0	20	0	107	70-135	0				
1,1-Dichloroethene	23.14	1.0	20	0	116	70-130	0				
1,2-Dichloroethane	19.22	1.0	20	0	96.1	70-130	0				
1,2-Dichloropropane	19.28	2.0	20	0	96.4	75-125	0				
2-Butanone	14.05	5.0	20	0	70.2	30-150	0				
2-Hexanone	16.68	5.0	20	0	83.4	55-130	0				
4-Methyl-2-pentanone	17.64	5.0	20	0	88.2	60-135	0				
Acetone	19.32	20	20	0	96.6	40-140	0			J	
Benzene	19.85	1.0	20	0	99.2	80-120	0				
Bromodichloromethane	20.65	1.0	20	0	103	75-120	0				
Bromoform	19.36	1.0	20	0	96.8	70-130	0				
Bromomethane	25.35	1.0	20	0	127	30-145	0				
Carbon disulfide	25.62	2.5	20	0	128	35-165	0				
Carbon tetrachloride	21	1.0	20	0	105	65-140	0				
Chlorobenzene	20.65	1.0	20	0	103	80-120	0				
Chloroethane	21.42	1.0	20	0	107	60-135	0				
Chloroform	20.16	1.0	20	0	101	65-135	0				
Chloromethane	24.08	1.0	20	0	120	70-125	0				
cis-1,2-Dichloroethene	20.31	1.0	20	0	102	70-125	0				
cis-1,3-Dichloropropene	20.79	1.0	20	0	104	70-130	0				
Dibromochloromethane	21.17	1.0	20	0	106	60-135	0				
Ethylbenzene	20.99	1.0	20	0	105	75-125	0				
m,p-Xylene	40.61	2.0	40	0	102	75-130	0				
Methylene chloride	21.25	5.0	20	0	106	55-140	0				
o-Xylene	20.54	1.0	20	0	103	80-120	0				
Styrene	20.97	1.0	20	0	105	65-135	0				
Tetrachloroethene	21.48	2.0	20	0	107	45-150	0				
Toluene	20.56	1.0	20	0	103	75-120	0				
trans-1,2-Dichloroethene	21.21	1.0	20	0	106	60-140	0				
trans-1,3-Dichloropropene	22.85	1.0	20	0	114	55-140	0				
Trichloroethene	19.91	1.0	20	0	99.6	70-125	0				
Vinyl chloride	24.6	1.0	20	0	123	50-145	0				
Xylenes, Total	61.15	2.0	60	0	102	75-130	0				
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>97.81</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>97.8</i>	<i>70-120</i>	<i>0</i>				
<i>Surr: 4-Bromofluorobenzene</i>	<i>101.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>75-120</i>	<i>0</i>				
<i>Surr: Dibromofluoromethane</i>	<i>103.1</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>85-115</i>	<i>0</i>				
<i>Surr: Toluene-d8</i>	<i>100.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-120</i>	<i>0</i>				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012326  
 Project: TextronTORX Facility GW Dec. 2010

# QC BATCH REPORT

Batch ID: **R84755** Instrument ID **VMS5** Method: **SW8260**

LCSD	Sample ID: <b>VLCS DW1-101212-R84755</b>	Units: <b>µg/L</b>					Analysis Date: <b>12/12/2010 09:55 AM</b>				
Client ID:	Run ID: <b>VMS5_101212A</b>	SeqNo: <b>1505122</b>			Prep Date:		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	19.7	1.0	20	0	98.5	65-130	20.79	5.38	30		
1,1,2,2-Tetrachloroethane	18.33	1.0	20	0	91.6	65-130	18.38	0.272	30		
1,1,2-Trichloroethane	18.56	1.0	20	0	92.8	75-125	18.86	1.6	30		
1,1-Dichloroethane	20.48	1.0	20	0	102	70-135	21.39	4.35	30		
1,1-Dichloroethene	21.31	1.0	20	0	107	70-130	23.14	8.23	30		
1,2-Dichloroethane	18.81	1.0	20	0	94	70-130	19.22	2.16	30		
1,2-Dichloropropane	18.6	2.0	20	0	93	75-125	19.28	3.59	30		
2-Butanone	17.93	5.0	20	0	89.6	30-150	14.05	24.3	30		
2-Hexanone	17.97	5.0	20	0	89.8	55-130	16.68	7.45	30		
4-Methyl-2-pentanone	19.13	5.0	20	0	95.6	60-135	17.64	8.1	30		
Acetone	19.86	20	20	0	99.3	40-140	19.32	0	30	J	
Benzene	19.02	1.0	20	0	95.1	80-120	19.85	4.27	30		
Bromodichloromethane	19.86	1.0	20	0	99.3	75-120	20.65	3.9	30		
Bromoform	19.45	1.0	20	0	97.2	70-130	19.36	0.464	30		
Bromomethane	22.26	1.0	20	0	111	30-145	25.35	13	30		
Carbon disulfide	23.64	2.5	20	0	118	35-165	25.62	8.04	30		
Carbon tetrachloride	19.64	1.0	20	0	98.2	65-140	21	6.69	30		
Chlorobenzene	19.54	1.0	20	0	97.7	80-120	20.65	5.52	30		
Chloroethane	20.42	1.0	20	0	102	60-135	21.42	4.78	30		
Chloroform	19.19	1.0	20	0	96	65-135	20.16	4.93	30		
Chloromethane	21.09	1.0	20	0	105	70-125	24.08	13.2	30		
cis-1,2-Dichloroethene	19.28	1.0	20	0	96.4	70-125	20.31	5.2	30		
cis-1,3-Dichloropropene	20.38	1.0	20	0	102	70-130	20.79	1.99	30		
Dibromochloromethane	20.08	1.0	20	0	100	60-135	21.17	5.28	30		
Ethylbenzene	19.84	1.0	20	0	99.2	75-125	20.99	5.63	30		
m,p-Xylene	38.34	2.0	40	0	95.8	75-130	40.61	5.75	30		
Methylene chloride	20.2	5.0	20	0	101	55-140	21.25	5.07	30		
o-Xylene	19.6	1.0	20	0	98	80-120	20.54	4.68	30		
Styrene	19.74	1.0	20	0	98.7	65-135	20.97	6.04	30		
Tetrachloroethene	20.36	2.0	20	0	102	45-150	21.48	5.35	30		
Toluene	19.55	1.0	20	0	97.8	75-120	20.56	5.04	30		
trans-1,2-Dichloroethene	20.34	1.0	20	0	102	60-140	21.21	4.19	30		
trans-1,3-Dichloropropene	21.97	1.0	20	0	110	55-140	22.85	3.93	30		
Trichloroethene	18.87	1.0	20	0	94.4	70-125	19.91	5.36	30		
Vinyl chloride	21.27	1.0	20	0	106	50-145	24.6	14.5	30		
Xylenes, Total	57.94	2.0	60	0	96.6	75-130	61.15	5.39	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>98.31</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98.3</i>	<i>70-120</i>	<i>97.81</i>	<i>0.51</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>101.9</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>75-120</i>	<i>101.6</i>	<i>0.295</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>100.7</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-115</i>	<i>103.1</i>	<i>2.37</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>99.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.2</i>	<i>85-120</i>	<i>100.5</i>	<i>1.26</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012326  
 Project: TextronTORX Facility GW Dec. 2010

# QC BATCH REPORT

Batch ID: **R84755** Instrument ID **VMS5** Method: **SW8260**

MS		Sample ID: <b>1012326-22A MS</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/12/2010 07:23 PM</b>		
Client ID: <b>MTR-MW45(185)-G120810</b>		Run ID: <b>VMS5_101212A</b>			SeqNo: <b>1505590</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.65	1.0	20	0	103	65-130	0			
1,1,2,2-Tetrachloroethane	17.76	1.0	20	0	88.8	65-130	0			
1,1,2-Trichloroethane	18.32	1.0	20	0	91.6	75-125	0			
1,1-Dichloroethane	21.02	1.0	20	0	105	70-135	0			
1,1-Dichloroethene	23.35	1.0	20	0	117	70-130	0			
1,2-Dichloroethane	18.81	1.0	20	0	94	70-130	0			
1,2-Dichloropropane	18.9	2.0	20	0	94.5	75-125	0			
2-Butanone	17.03	5.0	20	0	85.2	30-150	0			
2-Hexanone	19.27	5.0	20	0	96.4	55-130	0			
4-Methyl-2-pentanone	16.95	5.0	20	0	84.8	60-135	0			
Acetone	29.06	20	20	0	145	40-140	0			S
Benzene	19.87	1.0	20	0	99.4	80-120	0			
Bromodichloromethane	20.25	1.0	20	0	101	75-120	0			
Bromoform	18.44	1.0	20	0	92.2	70-130	0			
Bromomethane	17.16	1.0	20	0	85.8	30-145	0			
Carbon disulfide	24.85	2.5	20	0	124	35-165	0			
Carbon tetrachloride	21.13	1.0	20	0	106	65-140	0			
Chlorobenzene	19.89	1.0	20	0	99.4	80-120	0			
Chloroethane	21.94	1.0	20	0	110	60-135	0			
Chloroform	19.48	1.0	20	0	97.4	65-135	0			
Chloromethane	19.25	1.0	20	0	96.2	70-125	0			
cis-1,2-Dichloroethene	19.1	1.0	20	0	95.5	70-125	0			
cis-1,3-Dichloropropene	19.62	1.0	20	0	98.1	70-130	0			
Dibromochloromethane	20.41	1.0	20	0	102	60-135	0			
Ethylbenzene	20.57	1.0	20	0	103	75-125	0			
m,p-Xylene	39.66	2.0	40	0	99.2	75-130	0			
Methylene chloride	20.58	5.0	20	0	103	55-140	0			
o-Xylene	19.83	1.0	20	0	99.2	80-120	0			
Styrene	20.28	1.0	20	0	101	65-135	0			
Tetrachloroethene	22.86	2.0	20	0	114	45-150	0			
Toluene	20.78	1.0	20	0	104	75-120	0			
trans-1,2-Dichloroethene	21.17	1.0	20	0	106	60-140	0			
trans-1,3-Dichloropropene	20.87	1.0	20	0	104	55-140	0			
Trichloroethene	19.88	1.0	20	0	99.4	70-125	0			
Vinyl chloride	18.37	1.0	20	0	91.8	50-145	0			
Xylenes, Total	59.49	2.0	60	0	99.2	75-130	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>99.71</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.7</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>101.4</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>102.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>102</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012326  
 Project: TextronTORX Facility GW Dec. 2010

# QC BATCH REPORT

Batch ID: R84755 Instrument ID VMS5 Method: SW8260

MSD		Sample ID: 1012326-22A MSD				Units: µg/L		Analysis Date: 12/12/2010 07:49 PM			
Client ID: MTR-MW45(185)-G120810		Run ID: VMS5_101212A				SeqNo: 1505591		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.66	1.0	20	0	103	65-130	20.65	0.0484	30		
1,1,2,2-Tetrachloroethane	17.99	1.0	20	0	90	65-130	17.76	1.29	30		
1,1,2-Trichloroethane	18.5	1.0	20	0	92.5	75-125	18.32	0.978	30		
1,1-Dichloroethane	21.39	1.0	20	0	107	70-135	21.02	1.74	30		
1,1-Dichloroethene	23.11	1.0	20	0	116	70-130	23.35	1.03	30		
1,2-Dichloroethane	18.86	1.0	20	0	94.3	70-130	18.81	0.265	30		
1,2-Dichloropropane	18.89	2.0	20	0	94.4	75-125	18.9	0.0529	30		
2-Butanone	16.73	5.0	20	0	83.6	30-150	17.03	1.78	30		
2-Hexanone	19.46	5.0	20	0	97.3	55-130	19.27	0.981	30		
4-Methyl-2-pentanone	18.63	5.0	20	0	93.2	60-135	16.95	9.44	30		
Acetone	30.22	20	20	0	151	40-140	29.06	3.91	30	S	
Benzene	19.51	1.0	20	0	97.6	80-120	19.87	1.83	30		
Bromodichloromethane	20.04	1.0	20	0	100	75-120	20.25	1.04	30		
Bromoform	18.86	1.0	20	0	94.3	70-130	18.44	2.25	30		
Bromomethane	20.08	1.0	20	0	100	30-145	17.16	15.7	30		
Carbon disulfide	25.17	2.5	20	0	126	35-165	24.85	1.28	30		
Carbon tetrachloride	20.86	1.0	20	0	104	65-140	21.13	1.29	30		
Chlorobenzene	20.32	1.0	20	0	102	80-120	19.89	2.14	30		
Chloroethane	21.83	1.0	20	0	109	60-135	21.94	0.503	30		
Chloroform	19.86	1.0	20	0	99.3	65-135	19.48	1.93	30		
Chloromethane	20.57	1.0	20	0	103	70-125	19.25	6.63	30		
cis-1,2-Dichloroethene	19.58	1.0	20	0	97.9	70-125	19.1	2.48	30		
cis-1,3-Dichloropropene	19.52	1.0	20	0	97.6	70-130	19.62	0.511	30		
Dibromochloromethane	20.44	1.0	20	0	102	60-135	20.41	0.147	30		
Ethylbenzene	20.98	1.0	20	0	105	75-125	20.57	1.97	30		
m,p-Xylene	39.78	2.0	40	0	99.4	75-130	39.66	0.302	30		
Methylene chloride	20.51	5.0	20	0	103	55-140	20.58	0.341	30		
o-Xylene	19.92	1.0	20	0	99.6	80-120	19.83	0.453	30		
Styrene	20.15	1.0	20	0	101	65-135	20.28	0.643	30		
Tetrachloroethene	22.73	2.0	20	0	114	45-150	22.86	0.57	30		
Toluene	20.83	1.0	20	0	104	75-120	20.78	0.24	30		
trans-1,2-Dichloroethene	21.39	1.0	20	0	107	60-140	21.17	1.03	30		
trans-1,3-Dichloropropene	21.51	1.0	20	0	108	55-140	20.87	3.02	30		
Trichloroethene	19.63	1.0	20	0	98.2	70-125	19.88	1.27	30		
Vinyl chloride	19.49	1.0	20	0	97.4	50-145	18.37	5.92	30		
Xylenes, Total	59.7	2.0	60	0	99.5	75-130	59.49	0.352	30		
Surr: 1,2-Dichloroethane-d4	97.4	0	100	0	97.4	70-120	99.71	2.34	30		
Surr: 4-Bromofluorobenzene	100	0	100	0	100	75-120	101.4	1.34	30		
Surr: Dibromofluoromethane	100.7	0	100	0	101	85-115	102.2	1.47	30		
Surr: Toluene-d8	101.4	0	100	0	101	85-120	102	0.541	30		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** MACTEC Engineering & Consulting, Inc.

**Work Order:** 1012326

**Project:** TextronTORX Facility GW Dec. 2010

## QC BATCH REPORT

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Batch ID: **R84755**

Instrument ID **VMS5**

Method: **SW8260**

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**The following samples were analyzed in this batch:**

1012326-04A	1012326-14A	1012326-15A
1012326-16A	1012326-17A	1012326-18A
1012326-19A	1012326-20A	1012326-21A
1012326-22A	1012326-23A	1012326-24A
1012326-25A	1012326-26A	1012326-27A
1012326-28A	1012326-29A	1012326-30A
1012326-31A		

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



ALS Environmental

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Chain of Custody Form

Page 1 of 3

COC ID: 11939

ALS Environmental

3352 128th Ave.  
Holland, MI 49424-9263  
Tel: +1 616 399 6070  
Fax: +1 616 399 6185

ALS Project Manager:

ALS Work Order #: 1012326

Customer Information		Project Information		Parameter/Method Request for Analysis											
Purchase Order		Project Name	Textron- TORX-GW Qrtly GW	A	TCL Volatiles by EPA 8260										
Work Order		Project Number		B	Total Metals: Pb, Cr, Cu, Cd										
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.	C	Dissolved Metals: Pb, Cr, Cu, Cd										
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D											
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E											
				F											
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G											
Phone	(937) 859-3600	Phone	(937) 859-3600	H											
Fax	(937) 859-7951	Fax	(937) 859-7951	I											
e-Mail Address		e-Mail Address		J											

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold	
1	MTR-EB001-120910	12/9/10	1650	EB	8	3	X											
2	MTR-EB002-120910	12/9/10	1845	EB	8	3	X											
3	MTR-TB001-120810	12/8/10	---	TB	8	1	X											
4	MTR-4377NOHWY31-G121010	12/10/10	0810	GW	8	3	X											
5	MTR-MW34(110)-G121010	12/10/10	1009	GW	8	3	X											
6	MTR-MW34(85)-G121010	12/10/10	0953	GW	8	3	X											
7	MTR-MW34(37)-G121010	12/10/10	1039	GW	8	3	X											
8	MTR-MW61(26)-G121010	12/10/10	1134	GW	8	3	X											
9	MTR-MW3-G121010	12/10/10	1108	GW	8	6	X											
10	MTR-EB001-G121010	12/10/10	1200		8	3	X											
11	MTR-EB002-G121010	12/10/10	1205		8	3	X											

Hold per client (Do not report) 12/15/10

Please run MS/MSD

Sampler(s) Please Print & Sign: *Quayle Gross & Mike Day* Shipment Method: *ALS Pick up Standard* Required Turnaround Time: (Check Box) Results Due Date:

Relinquished by: *[Signature]* Date: 12/10/10 Time: 1210 Received by: *[Signature]* Notes:

Relinquished by: *[Signature]* Date: 12-10-10 Time: 1545 Received by (Laboratory): *[Signature]*

Logged by (Laboratory): *DFS* Date: 12/10/10 Time: 1700 Checked by (Laboratory): *[Signature]*

Preservative Key: 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-NaHSO<sub>4</sub> 7-Other 8-4°C 9-5035

Cooler ID: Cooler Temp. 3.6°C QC Package: (Check One Box Below)



ALS Environmental

10450 Stancliff Rd., Suite 210  
Houston, Texas 77099  
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# Chain of Custody Form

Page 2 of 3

COC ID: 11960

ALS Environmental

3352 128th Ave.  
Holland, MI 49424-9263  
Tel: +1 616 399 6070  
Fax: +1 616 399 6185

ALS Project Manager:

ALS Work Order #: 1012326

Customer Information		Project Information		Parameter/Method Request for Analysis			
Purchase Order		Project Name	Textron- TORX-GW Qrtly GW	A	TCL Volatiles by EPA 8260		
Work Order		Project Number		B	Total Metals: Pb, Cr, Cu, Cd		
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.	C	Dissolved Metals: Pb, Cr, Cu, Cd		
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D			
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E			
				F			
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G			
Phone	(937) 859-3600	Phone	(937) 859-3600	H			
Fax	(937) 859-7951	Fax	(937) 859-7951	I			
e-Mail Address		e-Mail Address		J			

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold	
12	MTR-MW48(50)-6120910	12/9/10	1030	GW	8	3	X											
13	MTR-MW48(105)-6120910	12/9/10	1045	GW	8	3	X											
14	MTR-mw31(55.5)-6120910	12/9/10	1224	GW	8	3	X											
15	MTR-mw31(139.2)-6120910	12/9/10	1141	GW	8	3	X											
16	MTR-MW 48(159)-6120910	12/9/10	0954	GW	8	3	X											
17	MTR-MW 48(129)-6120910	12/9/10	0945	GW	8	3	X											
18	MTR-MW52(55)-6120910	12/9/10	1355	GW	8	3	X											
19	MTR-MW52(148)-6120910	12/9/10	1403	GW	8	3	X											
20	MTR-MW57(38)-6120910	12/9/10	1556	GW	8	3	X											
21	MTR-MW9C(120910)-6120910	12/9/10	1455	GW	8	3	X											

Sampler(s) Please Print & Sign: *Wayne Gross + Mike Day* Shipment Method: *ALS Pickup* Required Turnaround Time: (Check Box) *Standard* Results Due Date:

Relinquished by:	Date: 12/10/10	Time: 1210	Received by:	Notes:
Relinquished by:	Date: 12-10-10	Time: 1545	Received by (Laboratory):	Cooler ID
Logged by (Laboratory):	Date: 12/10/10	Time: 1700	Checked by (Laboratory):	Cooler Temp. 3.6 C
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035				





ALS Environmental

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# Chain of Custody Form

Page 3 of 3

COC ID: **11940**



ALS Environmental

3352 128th Ave.  
Holland, MI 49424-9263  
Tel: +1 616 399 6070  
Fax: +1 616 399 6185

ALS Project Manager:

ALS Work Order #: **1012366**

### Customer Information

### Project Information

### Parameter/Method Request for Analysis

Purchase Order		Project Name	Textron- TORX-GW Qrtly GW	A	TCL Volatiles by EPA 8280
Work Order		Project Number		B	Total Metals: Pb, Cr, Cu, Cd
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.	C	Dissolved Metals: Pb, Cr, Cu, Cd
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D	
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E	
				F	
				G	
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	H	
Phone	(937) 859-3600	Phone	(937) 859-3600	I	
Fax	(937) 859-7951	Fax	(937) 859-7951	J	
e-Mail Address		e-Mail Address			

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold	
22	MTR-MW45(185)-G120810	12/8/10	1456	GW	8	3	X											
23	MTR-MW1-G120810	12/8/10	1347	GW	8	3	X											
24	MTR-MW29(103.5)-G120810	12/8/10	1559	GW	8	3	X											
25	MTR-MW29(82.5)-G120810	12/8/10	1605	GW	8	3	X											
26	MTR-MW29(132.8)-G120810	12/8/10	1525	GW	8	3	X											
27	MTR-MW53(41)-G120810	12/8/10	1354	GW	8	3	X											
28	MTR-MW9B-G120910	12/9/10	1505	GW	8	3	X											
29	MTR-MW55(49)-G120910	12/9/10	1633	GW	8	3	X											
30	MTR-MW31(98.5)-G120910	12/9/10	1155	GW	8	3	X											
31	MTR-MW31(30.9)-G120910	12/9/10	1229	GW	8	3	X											

Sampler(s) Please Print & Sign: W. Dwayne Gross + Mike Day Shipment Method: ALS Pickup Required Turnaround Time: (Check Box) Standard Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes:		
<u>[Signature]</u>	12/10/10	1210	<u>[Signature]</u>			
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
<u>[Signature]</u>	12-10-10	1545	<u>[Signature]</u>		3.6C	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			
<u>[Signature]</u>	12/10/10	1700	<u>[Signature]</u>			

Preservative Key: 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-NaHSO<sub>4</sub> 7-Other 8-4°C 9-5035

Sample Receipt Checklist

Client Name: **MACTEC - OH**

Date/Time Received: **10-Dec-10 15:45**

Work Order: **1012326**

Received by: **DS**

Checklist completed by Diane Shaw 10-Dec-10  
eSignature Date

Reviewed by: Ann Preston 12-Dec-10  
eSignature Date

Matrices: Groundwater

Carrier name: ALSHN

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Present
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No

Temperature(s)/Thermometer(s): 3.6 c

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted

Water - pH acceptable upon receipt? Yes  No  N/A

pH adjusted? Yes  No  N/A

pH adjusted by:

Login Notes:

-----

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:



24-Dec-2010

Paul Stork  
MACTEC Engineering & Consulting, Inc.  
521 Byers Road, Suite 204  
Miamisburg, OH 45342

Re: **Textron TORX GW Dec. 12-14, 2010**

Work Order: **1012390**

Dear Paul,

ALS Environmental received 20 samples on 14-Dec-2010 01:45 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 65.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston  
Project Manager



Certificate No: IL100452

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental ALS

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** Textron TORX GW Dec. 12-14, 2010  
**Work Order:** 1012390

**Work Order Sample Summary**

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1012390-01	MTR-MW11-G121310	Groundwater		12/13/2010 17:50	12/14/2010 13:45	<input type="checkbox"/>
1012390-02	MTR-EB001-121310	Water		12/13/2010 13:45	12/14/2010 13:45	<input type="checkbox"/>
1012390-03	MTR-MW12-G121310	Groundwater		12/13/2010 17:45	12/14/2010 13:45	<input type="checkbox"/>
1012390-04	MTR-EB002-121310	Water		12/13/2010 13:50	12/14/2010 13:45	<input type="checkbox"/>
1012390-05	MTR-MW67(30)-G121310R	Groundwater		12/13/2010 16:30	12/14/2010 13:45	<input type="checkbox"/>
1012390-06	MTR-MW67(30)-G121310	Groundwater		12/13/2010 16:30	12/14/2010 13:45	<input type="checkbox"/>
1012390-07	MTR-MW75(32)-G121310	Groundwater		12/13/2010 15:50	12/14/2010 13:45	<input type="checkbox"/>
1012390-08	MTR-MW68(32)-G121310	Groundwater		12/13/2010 17:10	12/14/2010 13:45	<input type="checkbox"/>
1012390-09	MTR-MW72(32)-G121310	Groundwater		12/13/2010 16:30	12/14/2010 13:45	<input type="checkbox"/>
1012390-10	MTR-MW65(32)-G121310	Groundwater		12/13/2010 15:55	12/14/2010 13:45	<input type="checkbox"/>
1012390-11	MTR-MW65(32)-G121310R	Groundwater		12/13/2010 15:55	12/14/2010 13:45	<input type="checkbox"/>
1012390-12	MTR-MW71(33)-G121310	Groundwater		12/13/2010 17:10	12/14/2010 13:45	<input type="checkbox"/>
1012390-13	MTR-TB001-121310	Water		12/13/2010	12/14/2010 13:45	<input type="checkbox"/>
1012390-14	MTR-MW51(25)-G121410	Groundwater		12/14/2010 11:26	12/14/2010 13:45	<input type="checkbox"/>
1012390-15	MTR-MW51(117)-G121410	Groundwater		12/14/2010 10:02	12/14/2010 13:45	<input type="checkbox"/>
1012390-16	MTR-MW51(70)-G121410	Groundwater		12/14/2010 10:47	12/14/2010 13:45	<input type="checkbox"/>
1012390-17	MTR-MW32(24.1)-G121410	Groundwater		12/14/2010 11:36	12/14/2010 13:45	<input type="checkbox"/>
1012390-18	MTR-MW32(110)-G121410	Groundwater		12/14/2010 10:30	12/14/2010 13:45	<input type="checkbox"/>
1012390-19	MTR-MW32(89)-G121410	Groundwater		12/14/2010 11:10	12/14/2010 13:45	<input type="checkbox"/>
1012390-20	MTR-MW60(38)-G121410	Groundwater		12/14/2010 13:12	12/14/2010 13:45	<input type="checkbox"/>

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**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Case Narrative**

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Batch R84873 LCS recovery for 1,1-Dichloroethene was above control limits and is considered a sporadic marginal exceedance allowed by the SOP. Sample MTR-MW75(32)-G121310 MS recovery for 1,1-Dichloroethene and MS/MSD recoveries for Acetone were above control limits, but the parent sample was ND for both compounds.

Batch R84904 sample MTR-MW60(38)-G121410 MS/MSD recoveries for Acetone were above control limits, but the parent sample was ND for Acetone.

The Trip Blank, MTR-TB001-121310, had a J-flagged result for Methylene Chloride, which is a common laboratory contaminant.

**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** Textron TORX GW Dec. 12-14, 2010  
**WorkOrder:** 1012390

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW11-G121310

**Lab ID:** 1012390-01

**Collection Date:** 12/13/2010 05:50 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 04:55 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 04:55 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 04:55 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 04:55 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 04:55 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 04:55 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 04:55 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 04:55 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 04:55 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 04:55 PM
Acetone	U		20	µg/L	1	12/15/2010 04:55 PM
Benzene	U		1.0	µg/L	1	12/15/2010 04:55 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 04:55 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 04:55 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 04:55 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 04:55 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 04:55 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 04:55 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 04:55 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 04:55 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 04:55 PM
<b>cis-1,2-Dichloroethene</b>	<b>3.5</b>		<b>1.0</b>	<b>µg/L</b>	1	12/15/2010 04:55 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 04:55 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 04:55 PM
Ethylbenzene	U		1.0	µg/L	1	12/15/2010 04:55 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 04:55 PM
Methylene chloride	U		5.0	µg/L	1	12/15/2010 04:55 PM
o-Xylene	U		1.0	µg/L	1	12/15/2010 04:55 PM
Styrene	U		1.0	µg/L	1	12/15/2010 04:55 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 04:55 PM
Toluene	U		1.0	µg/L	1	12/15/2010 04:55 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 04:55 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 04:55 PM
<b>Trichloroethene</b>	<b>2.8</b>		<b>1.0</b>	<b>µg/L</b>	1	12/15/2010 04:55 PM
<b>Vinyl chloride</b>	<b>7.8</b>		<b>1.0</b>	<b>µg/L</b>	1	12/15/2010 04:55 PM
Xylenes, Total	U		2.0	µg/L	1	12/15/2010 04:55 PM
Surr: 1,2-Dichloroethane-d4	106		70-120	%REC	1	12/15/2010 04:55 PM
Surr: 4-Bromofluorobenzene	98.6		75-120	%REC	1	12/15/2010 04:55 PM
Surr: Dibromofluoromethane	106		85-115	%REC	1	12/15/2010 04:55 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW11-G121310

**Lab ID:** 1012390-01

**Collection Date:** 12/13/2010 05:50 PM

**Matrix:** GROUNDWATER

---

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.5		85-120	%REC	1	12/15/2010 04:55 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-EB001-121310

**Lab ID:** 1012390-02

**Collection Date:** 12/13/2010 01:45 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 01:54 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 01:54 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 01:54 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 01:54 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 01:54 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 01:54 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 01:54 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 01:54 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 01:54 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 01:54 PM
Acetone	U		20	µg/L	1	12/15/2010 01:54 PM
Benzene	U		1.0	µg/L	1	12/15/2010 01:54 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 01:54 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 01:54 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 01:54 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 01:54 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 01:54 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 01:54 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 01:54 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 01:54 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 01:54 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 01:54 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 01:54 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 01:54 PM
Ethylbenzene	U		1.0	µg/L	1	12/15/2010 01:54 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 01:54 PM
Methylene chloride	U		5.0	µg/L	1	12/15/2010 01:54 PM
o-Xylene	U		1.0	µg/L	1	12/15/2010 01:54 PM
Styrene	U		1.0	µg/L	1	12/15/2010 01:54 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 01:54 PM
Toluene	U		1.0	µg/L	1	12/15/2010 01:54 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 01:54 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 01:54 PM
Trichloroethene	U		1.0	µg/L	1	12/15/2010 01:54 PM
Vinyl chloride	U		1.0	µg/L	1	12/15/2010 01:54 PM
Xylenes, Total	U		2.0	µg/L	1	12/15/2010 01:54 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	1	12/15/2010 01:54 PM
Surr: 4-Bromofluorobenzene	98.5		75-120	%REC	1	12/15/2010 01:54 PM
Surr: Dibromofluoromethane	105		85-115	%REC	1	12/15/2010 01:54 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-EB001-121310

**Lab ID:** 1012390-02

**Collection Date:** 12/13/2010 01:45 PM

**Matrix:** WATER

---

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.3		85-120	%REC	1	12/15/2010 01:54 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW12-G121310

**Lab ID:** 1012390-03

**Collection Date:** 12/13/2010 05:45 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		10	µg/L	10	12/16/2010 04:16 PM
1,1,2,2-Tetrachloroethane	U		10	µg/L	10	12/16/2010 04:16 PM
1,1,2-Trichloroethane	U		10	µg/L	10	12/16/2010 04:16 PM
1,1-Dichloroethane	U		10	µg/L	10	12/16/2010 04:16 PM
1,1-Dichloroethene	U		10	µg/L	10	12/16/2010 04:16 PM
1,2-Dichloroethane	U		10	µg/L	10	12/16/2010 04:16 PM
1,2-Dichloropropane	U		20	µg/L	10	12/16/2010 04:16 PM
2-Butanone	U		50	µg/L	10	12/16/2010 04:16 PM
2-Hexanone	U		50	µg/L	10	12/16/2010 04:16 PM
4-Methyl-2-pentanone	U		50	µg/L	10	12/16/2010 04:16 PM
Acetone	U		200	µg/L	10	12/16/2010 04:16 PM
Benzene	U		10	µg/L	10	12/16/2010 04:16 PM
Bromodichloromethane	U		10	µg/L	10	12/16/2010 04:16 PM
Bromoform	U		10	µg/L	10	12/16/2010 04:16 PM
Bromomethane	U		10	µg/L	10	12/16/2010 04:16 PM
Carbon disulfide	U		25	µg/L	10	12/16/2010 04:16 PM
Carbon tetrachloride	U		10	µg/L	10	12/16/2010 04:16 PM
Chlorobenzene	U		10	µg/L	10	12/16/2010 04:16 PM
Chloroethane	U		10	µg/L	10	12/16/2010 04:16 PM
Chloroform	U		10	µg/L	10	12/16/2010 04:16 PM
Chloromethane	U		10	µg/L	10	12/16/2010 04:16 PM
<b>cis-1,2-Dichloroethene</b>	<b>6,900</b>		<b>100</b>	<b>µg/L</b>	100	12/15/2010 06:13 PM
cis-1,3-Dichloropropene	U		10	µg/L	10	12/16/2010 04:16 PM
Dibromochloromethane	U		10	µg/L	10	12/16/2010 04:16 PM
Ethylbenzene	U		10	µg/L	10	12/16/2010 04:16 PM
m,p-Xylene	U		20	µg/L	10	12/16/2010 04:16 PM
Methylene chloride	U		50	µg/L	10	12/16/2010 04:16 PM
o-Xylene	U		10	µg/L	10	12/16/2010 04:16 PM
Styrene	U		10	µg/L	10	12/16/2010 04:16 PM
Tetrachloroethene	U		20	µg/L	10	12/16/2010 04:16 PM
Toluene	U		10	µg/L	10	12/16/2010 04:16 PM
<b>trans-1,2-Dichloroethene</b>	<b>29</b>		<b>10</b>	<b>µg/L</b>	10	12/16/2010 04:16 PM
trans-1,3-Dichloropropene	U		10	µg/L	10	12/16/2010 04:16 PM
Trichloroethene	U		10	µg/L	10	12/16/2010 04:16 PM
<b>Vinyl chloride</b>	<b>1,300</b>		<b>100</b>	<b>µg/L</b>	100	12/15/2010 06:13 PM
Xylenes, Total	U		20	µg/L	10	12/16/2010 04:16 PM
Surr: 1,2-Dichloroethane-d4	99.0		70-120	%REC	100	12/15/2010 06:13 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	10	12/16/2010 04:16 PM
Surr: 4-Bromofluorobenzene	99.6		75-120	%REC	100	12/15/2010 06:13 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Sample ID:** MTR-MW12-G121310

**Collection Date:** 12/13/2010 05:45 PM

**Work Order:** 1012390

**Lab ID:** 1012390-03

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	98.8		75-120	%REC	10	12/16/2010 04:16 PM
Surr: Dibromofluoromethane	98.4		85-115	%REC	100	12/15/2010 06:13 PM
Surr: Dibromofluoromethane	105		85-115	%REC	10	12/16/2010 04:16 PM
Surr: Toluene-d8	98.9		85-120	%REC	10	12/16/2010 04:16 PM
Surr: Toluene-d8	97.9		85-120	%REC	100	12/15/2010 06:13 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-EB002-121310

**Lab ID:** 1012390-04

**Collection Date:** 12/13/2010 01:50 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>MK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 01:02 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 01:02 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 01:02 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 01:02 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 01:02 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 01:02 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 01:02 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 01:02 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 01:02 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 01:02 PM
<b>Acetone</b>	<b>1.7</b>	<b>J</b>	<b>20</b>	<b>µg/L</b>	<b>1</b>	12/15/2010 01:02 PM
Benzene	U		1.0	µg/L	1	12/15/2010 01:02 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 01:02 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 01:02 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 01:02 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 01:02 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 01:02 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 01:02 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 01:02 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 01:02 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 01:02 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 01:02 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 01:02 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 01:02 PM
Ethylbenzene	U		1.0	µg/L	1	12/15/2010 01:02 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 01:02 PM
Methylene chloride	U		5.0	µg/L	1	12/15/2010 01:02 PM
o-Xylene	U		1.0	µg/L	1	12/15/2010 01:02 PM
Styrene	U		1.0	µg/L	1	12/15/2010 01:02 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 01:02 PM
Toluene	U		1.0	µg/L	1	12/15/2010 01:02 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 01:02 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 01:02 PM
Trichloroethene	U		1.0	µg/L	1	12/15/2010 01:02 PM
Vinyl chloride	U		1.0	µg/L	1	12/15/2010 01:02 PM
Xylenes, Total	U		2.0	µg/L	1	12/15/2010 01:02 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/15/2010 01:02 PM
Surr: 4-Bromofluorobenzene	100		75-120	%REC	1	12/15/2010 01:02 PM
Surr: Dibromofluoromethane	104		85-115	%REC	1	12/15/2010 01:02 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-EB002-121310

**Lab ID:** 1012390-04

**Collection Date:** 12/13/2010 01:50 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.1		85-120	%REC	1	12/15/2010 01:02 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW67(30)-G121310R

**Lab ID:** 1012390-05

**Collection Date:** 12/13/2010 04:30 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		10	µg/L	10	12/16/2010 04:42 PM
1,1,2,2-Tetrachloroethane	U		10	µg/L	10	12/16/2010 04:42 PM
1,1,2-Trichloroethane	U		10	µg/L	10	12/16/2010 04:42 PM
1,1-Dichloroethane	U		10	µg/L	10	12/16/2010 04:42 PM
<b>1,1-Dichloroethene</b>	<b>22</b>		<b>10</b>	<b>µg/L</b>	10	12/16/2010 04:42 PM
1,2-Dichloroethane	U		10	µg/L	10	12/16/2010 04:42 PM
1,2-Dichloropropane	U		20	µg/L	10	12/16/2010 04:42 PM
2-Butanone	U		50	µg/L	10	12/16/2010 04:42 PM
2-Hexanone	U		50	µg/L	10	12/16/2010 04:42 PM
4-Methyl-2-pentanone	U		50	µg/L	10	12/16/2010 04:42 PM
Acetone	U		200	µg/L	10	12/16/2010 04:42 PM
Benzene	U		10	µg/L	10	12/16/2010 04:42 PM
Bromodichloromethane	U		10	µg/L	10	12/16/2010 04:42 PM
Bromoform	U		10	µg/L	10	12/16/2010 04:42 PM
Bromomethane	U		10	µg/L	10	12/16/2010 04:42 PM
Carbon disulfide	U		25	µg/L	10	12/16/2010 04:42 PM
Carbon tetrachloride	U		10	µg/L	10	12/16/2010 04:42 PM
Chlorobenzene	U		10	µg/L	10	12/16/2010 04:42 PM
Chloroethane	U		10	µg/L	10	12/16/2010 04:42 PM
Chloroform	U		10	µg/L	10	12/16/2010 04:42 PM
Chloromethane	U		10	µg/L	10	12/16/2010 04:42 PM
<b>cis-1,2-Dichloroethene</b>	<b>11,000</b>		<b>500</b>	<b>µg/L</b>	500	12/15/2010 06:39 PM
cis-1,3-Dichloropropene	U		10	µg/L	10	12/16/2010 04:42 PM
Dibromochloromethane	U		10	µg/L	10	12/16/2010 04:42 PM
Ethylbenzene	U		10	µg/L	10	12/16/2010 04:42 PM
m,p-Xylene	U		20	µg/L	10	12/16/2010 04:42 PM
Methylene chloride	U		50	µg/L	10	12/16/2010 04:42 PM
o-Xylene	U		10	µg/L	10	12/16/2010 04:42 PM
Styrene	U		10	µg/L	10	12/16/2010 04:42 PM
Tetrachloroethene	U		20	µg/L	10	12/16/2010 04:42 PM
Toluene	U		10	µg/L	10	12/16/2010 04:42 PM
<b>trans-1,2-Dichloroethene</b>	<b>110</b>		<b>10</b>	<b>µg/L</b>	10	12/16/2010 04:42 PM
trans-1,3-Dichloropropene	U		10	µg/L	10	12/16/2010 04:42 PM
Trichloroethene	U		10	µg/L	10	12/16/2010 04:42 PM
<b>Vinyl chloride</b>	<b>1,800</b>		<b>500</b>	<b>µg/L</b>	500	12/15/2010 06:39 PM
Xylenes, Total	U		20	µg/L	10	12/16/2010 04:42 PM
Surr: 1,2-Dichloroethane-d4	99.5		70-120	%REC	500	12/15/2010 06:39 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	10	12/16/2010 04:42 PM
Surr: 4-Bromofluorobenzene	98.8		75-120	%REC	500	12/15/2010 06:39 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW67(30)-G121310R

**Lab ID:** 1012390-05

**Collection Date:** 12/13/2010 04:30 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	96.6		75-120	%REC	10	12/16/2010 04:42 PM
Surr: Dibromofluoromethane	101		85-115	%REC	500	12/15/2010 06:39 PM
Surr: Dibromofluoromethane	105		85-115	%REC	10	12/16/2010 04:42 PM
Surr: Toluene-d8	99.6		85-120	%REC	10	12/16/2010 04:42 PM
Surr: Toluene-d8	98.6		85-120	%REC	500	12/15/2010 06:39 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW67(30)-G121310

**Lab ID:** 1012390-06

**Collection Date:** 12/13/2010 04:30 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		10	µg/L	10	12/16/2010 05:09 PM
1,1,2,2-Tetrachloroethane	U		10	µg/L	10	12/16/2010 05:09 PM
1,1,2-Trichloroethane	U		10	µg/L	10	12/16/2010 05:09 PM
1,1-Dichloroethane	U		10	µg/L	10	12/16/2010 05:09 PM
<b>1,1-Dichloroethene</b>	<b>20</b>		<b>10</b>	<b>µg/L</b>	10	12/16/2010 05:09 PM
1,2-Dichloroethane	U		10	µg/L	10	12/16/2010 05:09 PM
1,2-Dichloropropane	U		20	µg/L	10	12/16/2010 05:09 PM
2-Butanone	U		50	µg/L	10	12/16/2010 05:09 PM
2-Hexanone	U		50	µg/L	10	12/16/2010 05:09 PM
4-Methyl-2-pentanone	U		50	µg/L	10	12/16/2010 05:09 PM
Acetone	U		200	µg/L	10	12/16/2010 05:09 PM
Benzene	U		10	µg/L	10	12/16/2010 05:09 PM
Bromodichloromethane	U		10	µg/L	10	12/16/2010 05:09 PM
Bromoform	U		10	µg/L	10	12/16/2010 05:09 PM
Bromomethane	U		10	µg/L	10	12/16/2010 05:09 PM
Carbon disulfide	U		25	µg/L	10	12/16/2010 05:09 PM
Carbon tetrachloride	U		10	µg/L	10	12/16/2010 05:09 PM
Chlorobenzene	U		10	µg/L	10	12/16/2010 05:09 PM
Chloroethane	U		10	µg/L	10	12/16/2010 05:09 PM
Chloroform	U		10	µg/L	10	12/16/2010 05:09 PM
Chloromethane	U		10	µg/L	10	12/16/2010 05:09 PM
<b>cis-1,2-Dichloroethene</b>	<b>9,300</b>		<b>500</b>	<b>µg/L</b>	500	12/15/2010 07:05 PM
cis-1,3-Dichloropropene	U		10	µg/L	10	12/16/2010 05:09 PM
Dibromochloromethane	U		10	µg/L	10	12/16/2010 05:09 PM
Ethylbenzene	U		10	µg/L	10	12/16/2010 05:09 PM
m,p-Xylene	U		20	µg/L	10	12/16/2010 05:09 PM
Methylene chloride	U		50	µg/L	10	12/16/2010 05:09 PM
o-Xylene	U		10	µg/L	10	12/16/2010 05:09 PM
Styrene	U		10	µg/L	10	12/16/2010 05:09 PM
Tetrachloroethene	U		20	µg/L	10	12/16/2010 05:09 PM
Toluene	U		10	µg/L	10	12/16/2010 05:09 PM
<b>trans-1,2-Dichloroethene</b>	<b>99</b>		<b>10</b>	<b>µg/L</b>	10	12/16/2010 05:09 PM
trans-1,3-Dichloropropene	U		10	µg/L	10	12/16/2010 05:09 PM
Trichloroethene	U		10	µg/L	10	12/16/2010 05:09 PM
<b>Vinyl chloride</b>	<b>1,400</b>		<b>500</b>	<b>µg/L</b>	500	12/15/2010 07:05 PM
Xylenes, Total	U		20	µg/L	10	12/16/2010 05:09 PM
Surr: 1,2-Dichloroethane-d4	101		70-120	%REC	500	12/15/2010 07:05 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	10	12/16/2010 05:09 PM
Surr: 4-Bromofluorobenzene	96.9		75-120	%REC	500	12/15/2010 07:05 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron TORX GW Dec. 12-14, 2010**Work Order:** 1012390**Sample ID:** MTR-MW67(30)-G121310**Lab ID:** 1012390-06**Collection Date:** 12/13/2010 04:30 PM**Matrix:** GROUNDWATER

<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: 4-Bromofluorobenzene</i>	98.9		75-120	%REC	10	12/16/2010 05:09 PM
<i>Surr: Dibromofluoromethane</i>	103		85-115	%REC	500	12/15/2010 07:05 PM
<i>Surr: Dibromofluoromethane</i>	104		85-115	%REC	10	12/16/2010 05:09 PM
<i>Surr: Toluene-d8</i>	99.4		85-120	%REC	10	12/16/2010 05:09 PM
<i>Surr: Toluene-d8</i>	97.7		85-120	%REC	500	12/15/2010 07:05 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW75(32)-G121310

**Lab ID:** 1012390-07

**Collection Date:** 12/13/2010 03:50 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 02:46 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 02:46 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 02:46 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 02:46 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 02:46 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 02:46 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 02:46 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 02:46 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 02:46 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 02:46 PM
Acetone	U		20	µg/L	1	12/15/2010 02:46 PM
Benzene	U		1.0	µg/L	1	12/15/2010 02:46 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 02:46 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 02:46 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 02:46 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 02:46 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 02:46 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 02:46 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 02:46 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 02:46 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 02:46 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 02:46 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 02:46 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 02:46 PM
Ethylbenzene	U		1.0	µg/L	1	12/15/2010 02:46 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 02:46 PM
Methylene chloride	U		5.0	µg/L	1	12/15/2010 02:46 PM
o-Xylene	U		1.0	µg/L	1	12/15/2010 02:46 PM
Styrene	U		1.0	µg/L	1	12/15/2010 02:46 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 02:46 PM
Toluene	U		1.0	µg/L	1	12/15/2010 02:46 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 02:46 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 02:46 PM
<b>Trichloroethene</b>	<b>5.8</b>		<b>1.0</b>	<b>µg/L</b>	1	12/15/2010 02:46 PM
Vinyl chloride	U		1.0	µg/L	1	12/15/2010 02:46 PM
Xylenes, Total	U		2.0	µg/L	1	12/15/2010 02:46 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	1	12/15/2010 02:46 PM
Surr: 4-Bromofluorobenzene	99.6		75-120	%REC	1	12/15/2010 02:46 PM
Surr: Dibromofluoromethane	106		85-115	%REC	1	12/15/2010 02:46 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Sample ID:** MTR-MW75(32)-G121310

**Collection Date:** 12/13/2010 03:50 PM

**Work Order:** 1012390

**Lab ID:** 1012390-07

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.4		85-120	%REC	1	12/15/2010 02:46 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW68(32)-G121310

**Lab ID:** 1012390-08

**Collection Date:** 12/13/2010 05:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		20	µg/L	20	12/16/2010 05:35 PM
1,1,2,2-Tetrachloroethane	U		20	µg/L	20	12/16/2010 05:35 PM
1,1,2-Trichloroethane	U		20	µg/L	20	12/16/2010 05:35 PM
1,1-Dichloroethane	U		20	µg/L	20	12/16/2010 05:35 PM
<b>1,1-Dichloroethene</b>	<b>48</b>		<b>20</b>	<b>µg/L</b>	20	12/16/2010 05:35 PM
1,2-Dichloroethane	U		20	µg/L	20	12/16/2010 05:35 PM
1,2-Dichloropropane	U		40	µg/L	20	12/16/2010 05:35 PM
2-Butanone	U		100	µg/L	20	12/16/2010 05:35 PM
2-Hexanone	U		100	µg/L	20	12/16/2010 05:35 PM
4-Methyl-2-pentanone	U		100	µg/L	20	12/16/2010 05:35 PM
Acetone	U		400	µg/L	20	12/16/2010 05:35 PM
Benzene	U		20	µg/L	20	12/16/2010 05:35 PM
Bromodichloromethane	U		20	µg/L	20	12/16/2010 05:35 PM
Bromoform	U		20	µg/L	20	12/16/2010 05:35 PM
Bromomethane	U		20	µg/L	20	12/16/2010 05:35 PM
Carbon disulfide	U		50	µg/L	20	12/16/2010 05:35 PM
Carbon tetrachloride	U		20	µg/L	20	12/16/2010 05:35 PM
Chlorobenzene	U		20	µg/L	20	12/16/2010 05:35 PM
Chloroethane	U		20	µg/L	20	12/16/2010 05:35 PM
Chloroform	U		20	µg/L	20	12/16/2010 05:35 PM
Chloromethane	U		20	µg/L	20	12/16/2010 05:35 PM
<b>cis-1,2-Dichloroethene</b>	<b>13,000</b>		<b>500</b>	<b>µg/L</b>	500	12/15/2010 07:57 PM
cis-1,3-Dichloropropene	U		20	µg/L	20	12/16/2010 05:35 PM
Dibromochloromethane	U		20	µg/L	20	12/16/2010 05:35 PM
Ethylbenzene	U		20	µg/L	20	12/16/2010 05:35 PM
m,p-Xylene	U		40	µg/L	20	12/16/2010 05:35 PM
Methylene chloride	U		100	µg/L	20	12/16/2010 05:35 PM
o-Xylene	U		20	µg/L	20	12/16/2010 05:35 PM
Styrene	U		20	µg/L	20	12/16/2010 05:35 PM
Tetrachloroethene	U		40	µg/L	20	12/16/2010 05:35 PM
Toluene	U		20	µg/L	20	12/16/2010 05:35 PM
<b>trans-1,2-Dichloroethene</b>	<b>250</b>		<b>20</b>	<b>µg/L</b>	20	12/16/2010 05:35 PM
trans-1,3-Dichloropropene	U		20	µg/L	20	12/16/2010 05:35 PM
Trichloroethene	U		20	µg/L	20	12/16/2010 05:35 PM
<b>Vinyl chloride</b>	<b>4,100</b>		<b>500</b>	<b>µg/L</b>	500	12/15/2010 07:57 PM
Xylenes, Total	U		40	µg/L	20	12/16/2010 05:35 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	500	12/15/2010 07:57 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	20	12/16/2010 05:35 PM
Surr: 4-Bromofluorobenzene	98.7		75-120	%REC	500	12/15/2010 07:57 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Sample ID:** MTR-MW68(32)-G121310

**Collection Date:** 12/13/2010 05:10 PM

**Work Order:** 1012390

**Lab ID:** 1012390-08

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	97.4		75-120	%REC	20	12/16/2010 05:35 PM
Surr: Dibromofluoromethane	104		85-115	%REC	500	12/15/2010 07:57 PM
Surr: Dibromofluoromethane	104		85-115	%REC	20	12/16/2010 05:35 PM
Surr: Toluene-d8	99.9		85-120	%REC	20	12/16/2010 05:35 PM
Surr: Toluene-d8	98.4		85-120	%REC	500	12/15/2010 07:57 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW72(32)-G121310

**Lab ID:** 1012390-09

**Collection Date:** 12/13/2010 04:30 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		100	µg/L	100	12/16/2010 06:00 PM
1,1,2,2-Tetrachloroethane	U		100	µg/L	100	12/16/2010 06:00 PM
1,1,2-Trichloroethane	U		100	µg/L	100	12/16/2010 06:00 PM
1,1-Dichloroethane	U		100	µg/L	100	12/16/2010 06:00 PM
<b>1,1-Dichloroethene</b>	<b>220</b>		<b>100</b>	<b>µg/L</b>	100	12/16/2010 06:00 PM
1,2-Dichloroethane	U		100	µg/L	100	12/16/2010 06:00 PM
1,2-Dichloropropane	U		200	µg/L	100	12/16/2010 06:00 PM
2-Butanone	U		500	µg/L	100	12/16/2010 06:00 PM
2-Hexanone	U		500	µg/L	100	12/16/2010 06:00 PM
4-Methyl-2-pentanone	U		500	µg/L	100	12/16/2010 06:00 PM
Acetone	U		2,000	µg/L	100	12/16/2010 06:00 PM
Benzene	U		100	µg/L	100	12/16/2010 06:00 PM
Bromodichloromethane	U		100	µg/L	100	12/16/2010 06:00 PM
Bromoform	U		100	µg/L	100	12/16/2010 06:00 PM
Bromomethane	U		100	µg/L	100	12/16/2010 06:00 PM
Carbon disulfide	U		250	µg/L	100	12/16/2010 06:00 PM
Carbon tetrachloride	U		100	µg/L	100	12/16/2010 06:00 PM
Chlorobenzene	U		100	µg/L	100	12/16/2010 06:00 PM
Chloroethane	U		100	µg/L	100	12/16/2010 06:00 PM
Chloroform	U		100	µg/L	100	12/16/2010 06:00 PM
Chloromethane	U		100	µg/L	100	12/16/2010 06:00 PM
<b>cis-1,2-Dichloroethene</b>	<b>100,000</b>		<b>2,000</b>	<b>µg/L</b>	2000	12/15/2010 08:49 PM
cis-1,3-Dichloropropene	U		100	µg/L	100	12/16/2010 06:00 PM
Dibromochloromethane	U		100	µg/L	100	12/16/2010 06:00 PM
Ethylbenzene	U		100	µg/L	100	12/16/2010 06:00 PM
m,p-Xylene	U		200	µg/L	100	12/16/2010 06:00 PM
Methylene chloride	U		500	µg/L	100	12/16/2010 06:00 PM
o-Xylene	U		100	µg/L	100	12/16/2010 06:00 PM
Styrene	U		100	µg/L	100	12/16/2010 06:00 PM
Tetrachloroethene	U		200	µg/L	100	12/16/2010 06:00 PM
Toluene	U		100	µg/L	100	12/16/2010 06:00 PM
<b>trans-1,2-Dichloroethene</b>	<b>280</b>		<b>100</b>	<b>µg/L</b>	100	12/16/2010 06:00 PM
trans-1,3-Dichloropropene	U		100	µg/L	100	12/16/2010 06:00 PM
Trichloroethene	U		100	µg/L	100	12/16/2010 06:00 PM
<b>Vinyl chloride</b>	<b>23,000</b>		<b>2,000</b>	<b>µg/L</b>	2000	12/15/2010 08:49 PM
Xylenes, Total	U		200	µg/L	100	12/16/2010 06:00 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	2000	12/15/2010 08:49 PM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	100	12/16/2010 06:00 PM
Surr: 4-Bromofluorobenzene	98.6		75-120	%REC	2000	12/15/2010 08:49 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron TORX GW Dec. 12-14, 2010**Work Order:** 1012390**Sample ID:** MTR-MW72(32)-G121310**Lab ID:** 1012390-09**Collection Date:** 12/13/2010 04:30 PM**Matrix:** GROUNDWATER

<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: 4-Bromofluorobenzene</i>	98.1		75-120	%REC	100	12/16/2010 06:00 PM
<i>Surr: Dibromofluoromethane</i>	105		85-115	%REC	2000	12/15/2010 08:49 PM
<i>Surr: Dibromofluoromethane</i>	105		85-115	%REC	100	12/16/2010 06:00 PM
<i>Surr: Toluene-d8</i>	98.9		85-120	%REC	100	12/16/2010 06:00 PM
<i>Surr: Toluene-d8</i>	98.8		85-120	%REC	2000	12/15/2010 08:49 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW65(32)-G121310

**Lab ID:** 1012390-10

**Collection Date:** 12/13/2010 03:55 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/16/2010 01:55 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/16/2010 01:55 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/16/2010 01:55 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/16/2010 01:55 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/16/2010 01:55 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/16/2010 01:55 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/16/2010 01:55 AM
2-Butanone	U		5.0	µg/L	1	12/16/2010 01:55 AM
2-Hexanone	U		5.0	µg/L	1	12/16/2010 01:55 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/16/2010 01:55 AM
Acetone	U		20	µg/L	1	12/16/2010 01:55 AM
Benzene	U		1.0	µg/L	1	12/16/2010 01:55 AM
Bromodichloromethane	U		1.0	µg/L	1	12/16/2010 01:55 AM
Bromoform	U		1.0	µg/L	1	12/16/2010 01:55 AM
Bromomethane	U		1.0	µg/L	1	12/16/2010 01:55 AM
Carbon disulfide	U		2.5	µg/L	1	12/16/2010 01:55 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/16/2010 01:55 AM
Chlorobenzene	U		1.0	µg/L	1	12/16/2010 01:55 AM
Chloroethane	U		1.0	µg/L	1	12/16/2010 01:55 AM
Chloroform	U		1.0	µg/L	1	12/16/2010 01:55 AM
Chloromethane	U		1.0	µg/L	1	12/16/2010 01:55 AM
<b>cis-1,2-Dichloroethene</b>	<b>3.0</b>		<b>1.0</b>	<b>µg/L</b>	1	12/16/2010 01:55 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/16/2010 01:55 AM
Dibromochloromethane	U		1.0	µg/L	1	12/16/2010 01:55 AM
Ethylbenzene	U		1.0	µg/L	1	12/16/2010 01:55 AM
m,p-Xylene	U		2.0	µg/L	1	12/16/2010 01:55 AM
Methylene chloride	U		5.0	µg/L	1	12/16/2010 01:55 AM
o-Xylene	U		1.0	µg/L	1	12/16/2010 01:55 AM
Styrene	U		1.0	µg/L	1	12/16/2010 01:55 AM
Tetrachloroethene	U		2.0	µg/L	1	12/16/2010 01:55 AM
Toluene	U		1.0	µg/L	1	12/16/2010 01:55 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/16/2010 01:55 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/16/2010 01:55 AM
Trichloroethene	U		1.0	µg/L	1	12/16/2010 01:55 AM
<b>Vinyl chloride</b>	<b>2,700</b>		<b>50</b>	<b>µg/L</b>	50	12/16/2010 07:18 PM
Xylenes, Total	U		2.0	µg/L	1	12/16/2010 01:55 AM
Surr: 1,2-Dichloroethane-d4	98.1		70-120	%REC	1	12/16/2010 01:55 AM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	50	12/16/2010 07:18 PM
Surr: 4-Bromofluorobenzene	99.1		75-120	%REC	1	12/16/2010 01:55 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW65(32)-G121310

**Lab ID:** 1012390-10

**Collection Date:** 12/13/2010 03:55 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	99.2		75-120	%REC	50	12/16/2010 07:18 PM
Surr: Dibromofluoromethane	98.5		85-115	%REC	1	12/16/2010 01:55 AM
Surr: Dibromofluoromethane	104		85-115	%REC	50	12/16/2010 07:18 PM
Surr: Toluene-d8	99.7		85-120	%REC	50	12/16/2010 07:18 PM
Surr: Toluene-d8	101		85-120	%REC	1	12/16/2010 01:55 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW65(32)-G121310R

**Lab ID:** 1012390-11

**Collection Date:** 12/13/2010 03:55 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/16/2010 02:21 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/16/2010 02:21 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/16/2010 02:21 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/16/2010 02:21 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/16/2010 02:21 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/16/2010 02:21 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/16/2010 02:21 AM
2-Butanone	U		5.0	µg/L	1	12/16/2010 02:21 AM
2-Hexanone	U		5.0	µg/L	1	12/16/2010 02:21 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/16/2010 02:21 AM
Acetone	U		20	µg/L	1	12/16/2010 02:21 AM
Benzene	U		1.0	µg/L	1	12/16/2010 02:21 AM
Bromodichloromethane	U		1.0	µg/L	1	12/16/2010 02:21 AM
Bromoform	U		1.0	µg/L	1	12/16/2010 02:21 AM
Bromomethane	U		1.0	µg/L	1	12/16/2010 02:21 AM
Carbon disulfide	U		2.5	µg/L	1	12/16/2010 02:21 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/16/2010 02:21 AM
Chlorobenzene	U		1.0	µg/L	1	12/16/2010 02:21 AM
Chloroethane	U		1.0	µg/L	1	12/16/2010 02:21 AM
Chloroform	U		1.0	µg/L	1	12/16/2010 02:21 AM
Chloromethane	U		1.0	µg/L	1	12/16/2010 02:21 AM
<b>cis-1,2-Dichloroethene</b>	<b>3.1</b>		<b>1.0</b>	<b>µg/L</b>	1	12/16/2010 02:21 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/16/2010 02:21 AM
Dibromochloromethane	U		1.0	µg/L	1	12/16/2010 02:21 AM
Ethylbenzene	U		1.0	µg/L	1	12/16/2010 02:21 AM
m,p-Xylene	U		2.0	µg/L	1	12/16/2010 02:21 AM
Methylene chloride	U		5.0	µg/L	1	12/16/2010 02:21 AM
o-Xylene	U		1.0	µg/L	1	12/16/2010 02:21 AM
Styrene	U		1.0	µg/L	1	12/16/2010 02:21 AM
Tetrachloroethene	U		2.0	µg/L	1	12/16/2010 02:21 AM
Toluene	U		1.0	µg/L	1	12/16/2010 02:21 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/16/2010 02:21 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/16/2010 02:21 AM
Trichloroethene	U		1.0	µg/L	1	12/16/2010 02:21 AM
<b>Vinyl chloride</b>	<b>2,700</b>		<b>50</b>	<b>µg/L</b>	50	12/16/2010 07:44 PM
Xylenes, Total	U		2.0	µg/L	1	12/16/2010 02:21 AM
Surr: 1,2-Dichloroethane-d4	96.8		70-120	%REC	1	12/16/2010 02:21 AM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	50	12/16/2010 07:44 PM
Surr: 4-Bromofluorobenzene	98.8		75-120	%REC	1	12/16/2010 02:21 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Sample ID:** MTR-MW65(32)-G121310R

**Collection Date:** 12/13/2010 03:55 PM

**Work Order:** 1012390

**Lab ID:** 1012390-11

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	98.1		75-120	%REC	50	12/16/2010 07:44 PM
Surr: Dibromofluoromethane	98.2		85-115	%REC	1	12/16/2010 02:21 AM
Surr: Dibromofluoromethane	106		85-115	%REC	50	12/16/2010 07:44 PM
Surr: Toluene-d8	100		85-120	%REC	50	12/16/2010 07:44 PM
Surr: Toluene-d8	101		85-120	%REC	1	12/16/2010 02:21 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW71(33)-G121310

**Lab ID:** 1012390-12

**Collection Date:** 12/13/2010 05:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		50	µg/L	50	12/16/2010 06:26 PM
1,1,2,2-Tetrachloroethane	U		50	µg/L	50	12/16/2010 06:26 PM
1,1,2-Trichloroethane	U		50	µg/L	50	12/16/2010 06:26 PM
1,1-Dichloroethane	U		50	µg/L	50	12/16/2010 06:26 PM
1,1-Dichloroethene	U		50	µg/L	50	12/16/2010 06:26 PM
1,2-Dichloroethane	U		50	µg/L	50	12/16/2010 06:26 PM
1,2-Dichloropropane	U		100	µg/L	50	12/16/2010 06:26 PM
2-Butanone	U		250	µg/L	50	12/16/2010 06:26 PM
2-Hexanone	U		250	µg/L	50	12/16/2010 06:26 PM
4-Methyl-2-pentanone	U		250	µg/L	50	12/16/2010 06:26 PM
Acetone	U		1,000	µg/L	50	12/16/2010 06:26 PM
Benzene	U		50	µg/L	50	12/16/2010 06:26 PM
Bromodichloromethane	U		50	µg/L	50	12/16/2010 06:26 PM
Bromoform	U		50	µg/L	50	12/16/2010 06:26 PM
Bromomethane	U		50	µg/L	50	12/16/2010 06:26 PM
Carbon disulfide	U		120	µg/L	50	12/16/2010 06:26 PM
Carbon tetrachloride	U		50	µg/L	50	12/16/2010 06:26 PM
Chlorobenzene	U		50	µg/L	50	12/16/2010 06:26 PM
Chloroethane	U		50	µg/L	50	12/16/2010 06:26 PM
Chloroform	U		50	µg/L	50	12/16/2010 06:26 PM
Chloromethane	U		50	µg/L	50	12/16/2010 06:26 PM
<b>cis-1,2-Dichloroethene</b>	<b>32,000</b>		<b>1,000</b>	<b>µg/L</b>	1000	12/16/2010 06:26 PM
cis-1,3-Dichloropropene	U		50	µg/L	50	12/16/2010 06:26 PM
Dibromochloromethane	U		50	µg/L	50	12/16/2010 06:26 PM
Ethylbenzene	U		50	µg/L	50	12/16/2010 06:26 PM
m,p-Xylene	U		100	µg/L	50	12/16/2010 06:26 PM
Methylene chloride	U		250	µg/L	50	12/16/2010 06:26 PM
o-Xylene	U		50	µg/L	50	12/16/2010 06:26 PM
Styrene	U		50	µg/L	50	12/16/2010 06:26 PM
Tetrachloroethene	U		100	µg/L	50	12/16/2010 06:26 PM
<b>Toluene</b>	<b>54</b>		<b>50</b>	<b>µg/L</b>	50	12/16/2010 06:26 PM
<b>trans-1,2-Dichloroethene</b>	<b>210</b>		<b>50</b>	<b>µg/L</b>	50	12/16/2010 06:26 PM
trans-1,3-Dichloropropene	U		50	µg/L	50	12/16/2010 06:26 PM
Trichloroethene	U		50	µg/L	50	12/16/2010 06:26 PM
<b>Vinyl chloride</b>	<b>16,000</b>		<b>200</b>	<b>µg/L</b>	200	12/15/2010 08:23 PM
Xylenes, Total	U		100	µg/L	50	12/16/2010 06:26 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	50	12/16/2010 06:26 PM
Surr: 1,2-Dichloroethane-d4	96.6		70-120	%REC	1000	12/16/2010 06:26 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	200	12/15/2010 08:23 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron TORX GW Dec. 12-14, 2010**Work Order:** 1012390**Sample ID:** MTR-MW71(33)-G121310**Lab ID:** 1012390-12**Collection Date:** 12/13/2010 05:10 PM**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	98.6		75-120	%REC	1000	12/16/2010 06:26 PM
Surr: 4-Bromofluorobenzene	99.1		75-120	%REC	200	12/15/2010 08:23 PM
Surr: 4-Bromofluorobenzene	98.0		75-120	%REC	50	12/16/2010 06:26 PM
Surr: Dibromofluoromethane	97.9		85-115	%REC	1000	12/16/2010 06:26 PM
Surr: Dibromofluoromethane	105		85-115	%REC	200	12/15/2010 08:23 PM
Surr: Dibromofluoromethane	105		85-115	%REC	50	12/16/2010 06:26 PM
Surr: Toluene-d8	98.4		85-120	%REC	50	12/16/2010 06:26 PM
Surr: Toluene-d8	100		85-120	%REC	1000	12/16/2010 06:26 PM
Surr: Toluene-d8	98.8		85-120	%REC	200	12/15/2010 08:23 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-TB001-121310

**Lab ID:** 1012390-13

**Collection Date:** 12/13/2010

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>MK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 01:28 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 01:28 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 01:28 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 01:28 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 01:28 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 01:28 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 01:28 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 01:28 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 01:28 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 01:28 PM
Acetone	U		20	µg/L	1	12/15/2010 01:28 PM
Benzene	U		1.0	µg/L	1	12/15/2010 01:28 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 01:28 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 01:28 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 01:28 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 01:28 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 01:28 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 01:28 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 01:28 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 01:28 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 01:28 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 01:28 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 01:28 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 01:28 PM
Ethylbenzene	U		1.0	µg/L	1	12/15/2010 01:28 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 01:28 PM
<b>Methylene chloride</b>	<b>4.9</b>	<b>J</b>	<b>5.0</b>	<b>µg/L</b>	<b>1</b>	12/15/2010 01:28 PM
o-Xylene	U		1.0	µg/L	1	12/15/2010 01:28 PM
Styrene	U		1.0	µg/L	1	12/15/2010 01:28 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 01:28 PM
Toluene	U		1.0	µg/L	1	12/15/2010 01:28 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 01:28 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 01:28 PM
Trichloroethene	U		1.0	µg/L	1	12/15/2010 01:28 PM
Vinyl chloride	U		1.0	µg/L	1	12/15/2010 01:28 PM
Xylenes, Total	U		2.0	µg/L	1	12/15/2010 01:28 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/15/2010 01:28 PM
Surr: 4-Bromofluorobenzene	99.3		75-120	%REC	1	12/15/2010 01:28 PM
Surr: Dibromofluoromethane	104		85-115	%REC	1	12/15/2010 01:28 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Sample ID:** MTR-TB001-121310

**Collection Date:** 12/13/2010

**Work Order:** 1012390

**Lab ID:** 1012390-13

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.2		85-120	%REC	1	12/15/2010 01:28 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW51(25)-G121410

**Lab ID:** 1012390-14

**Collection Date:** 12/14/2010 11:26 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 02:20 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 02:20 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 02:20 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 02:20 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 02:20 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 02:20 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 02:20 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 02:20 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 02:20 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 02:20 PM
Acetone	U		20	µg/L	1	12/15/2010 02:20 PM
Benzene	U		1.0	µg/L	1	12/15/2010 02:20 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 02:20 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 02:20 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 02:20 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 02:20 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 02:20 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 02:20 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 02:20 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 02:20 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 02:20 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 02:20 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 02:20 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 02:20 PM
Ethylbenzene	U		1.0	µg/L	1	12/15/2010 02:20 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 02:20 PM
Methylene chloride	U		5.0	µg/L	1	12/15/2010 02:20 PM
o-Xylene	U		1.0	µg/L	1	12/15/2010 02:20 PM
Styrene	U		1.0	µg/L	1	12/15/2010 02:20 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 02:20 PM
Toluene	U		1.0	µg/L	1	12/15/2010 02:20 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 02:20 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 02:20 PM
Trichloroethene	U		1.0	µg/L	1	12/15/2010 02:20 PM
Vinyl chloride	U		1.0	µg/L	1	12/15/2010 02:20 PM
Xylenes, Total	U		2.0	µg/L	1	12/15/2010 02:20 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	1	12/15/2010 02:20 PM
Surr: 4-Bromofluorobenzene	98.8		75-120	%REC	1	12/15/2010 02:20 PM
Surr: Dibromofluoromethane	105		85-115	%REC	1	12/15/2010 02:20 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Sample ID:** MTR-MW51(25)-G121410

**Collection Date:** 12/14/2010 11:26 AM

**Work Order:** 1012390

**Lab ID:** 1012390-14

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.0		85-120	%REC	1	12/15/2010 02:20 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW51(117)-G121410

**Lab ID:** 1012390-15

**Collection Date:** 12/14/2010 10:02 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 03:12 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 03:12 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 03:12 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 03:12 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 03:12 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 03:12 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 03:12 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 03:12 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 03:12 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 03:12 PM
Acetone	U		20	µg/L	1	12/15/2010 03:12 PM
Benzene	U		1.0	µg/L	1	12/15/2010 03:12 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 03:12 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 03:12 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 03:12 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 03:12 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 03:12 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 03:12 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 03:12 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 03:12 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 03:12 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 03:12 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 03:12 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 03:12 PM
Ethylbenzene	U		1.0	µg/L	1	12/15/2010 03:12 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 03:12 PM
Methylene chloride	U		5.0	µg/L	1	12/15/2010 03:12 PM
o-Xylene	U		1.0	µg/L	1	12/15/2010 03:12 PM
Styrene	U		1.0	µg/L	1	12/15/2010 03:12 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 03:12 PM
Toluene	U		1.0	µg/L	1	12/15/2010 03:12 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 03:12 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 03:12 PM
Trichloroethene	U		1.0	µg/L	1	12/15/2010 03:12 PM
Vinyl chloride	U		1.0	µg/L	1	12/15/2010 03:12 PM
Xylenes, Total	U		2.0	µg/L	1	12/15/2010 03:12 PM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	1	12/15/2010 03:12 PM
Surr: 4-Bromofluorobenzene	98.8		75-120	%REC	1	12/15/2010 03:12 PM
Surr: Dibromofluoromethane	106		85-115	%REC	1	12/15/2010 03:12 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Sample ID:** MTR-MW51(117)-G121410

**Collection Date:** 12/14/2010 10:02 AM

**Work Order:** 1012390

**Lab ID:** 1012390-15

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	97.6		85-120	%REC	1	12/15/2010 03:12 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW51(70)-G121410

**Lab ID:** 1012390-16

**Collection Date:** 12/14/2010 10:47 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 05:21 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 05:21 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 05:21 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 05:21 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 05:21 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 05:21 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 05:21 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 05:21 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 05:21 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 05:21 PM
Acetone	U		20	µg/L	1	12/15/2010 05:21 PM
Benzene	U		1.0	µg/L	1	12/15/2010 05:21 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 05:21 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 05:21 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 05:21 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 05:21 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 05:21 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 05:21 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 05:21 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 05:21 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 05:21 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 05:21 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 05:21 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 05:21 PM
Ethylbenzene	U		1.0	µg/L	1	12/15/2010 05:21 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 05:21 PM
Methylene chloride	U		5.0	µg/L	1	12/15/2010 05:21 PM
o-Xylene	U		1.0	µg/L	1	12/15/2010 05:21 PM
Styrene	U		1.0	µg/L	1	12/15/2010 05:21 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 05:21 PM
Toluene	U		1.0	µg/L	1	12/15/2010 05:21 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 05:21 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 05:21 PM
Trichloroethene	U		1.0	µg/L	1	12/15/2010 05:21 PM
Vinyl chloride	U		1.0	µg/L	1	12/15/2010 05:21 PM
Xylenes, Total	U		2.0	µg/L	1	12/15/2010 05:21 PM
Surr: 1,2-Dichloroethane-d4	106		70-120	%REC	1	12/15/2010 05:21 PM
Surr: 4-Bromofluorobenzene	99.4		75-120	%REC	1	12/15/2010 05:21 PM
Surr: Dibromofluoromethane	107		85-115	%REC	1	12/15/2010 05:21 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Sample ID:** MTR-MW51(70)-G121410

**Collection Date:** 12/14/2010 10:47 AM

**Work Order:** 1012390

**Lab ID:** 1012390-16

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	99.8		85-120	%REC	1	12/15/2010 05:21 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW32(24.1)-G121410

**Lab ID:** 1012390-17

**Collection Date:** 12/14/2010 11:36 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 03:38 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 03:38 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 03:38 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 03:38 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 03:38 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 03:38 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 03:38 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 03:38 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 03:38 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 03:38 PM
Acetone	U		20	µg/L	1	12/15/2010 03:38 PM
Benzene	U		1.0	µg/L	1	12/15/2010 03:38 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 03:38 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 03:38 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 03:38 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 03:38 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 03:38 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 03:38 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 03:38 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 03:38 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 03:38 PM
<b>cis-1,2-Dichloroethene</b>	<b>4.6</b>		<b>1.0</b>	<b>µg/L</b>	1	12/15/2010 03:38 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 03:38 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 03:38 PM
Ethylbenzene	U		1.0	µg/L	1	12/15/2010 03:38 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 03:38 PM
Methylene chloride	U		5.0	µg/L	1	12/15/2010 03:38 PM
o-Xylene	U		1.0	µg/L	1	12/15/2010 03:38 PM
Styrene	U		1.0	µg/L	1	12/15/2010 03:38 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 03:38 PM
Toluene	U		1.0	µg/L	1	12/15/2010 03:38 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 03:38 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 03:38 PM
Trichloroethene	U		1.0	µg/L	1	12/15/2010 03:38 PM
<b>Vinyl chloride</b>	<b>2.4</b>		<b>1.0</b>	<b>µg/L</b>	1	12/15/2010 03:38 PM
Xylenes, Total	U		2.0	µg/L	1	12/15/2010 03:38 PM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	1	12/15/2010 03:38 PM
Surr: 4-Bromofluorobenzene	99.5		75-120	%REC	1	12/15/2010 03:38 PM
Surr: Dibromofluoromethane	106		85-115	%REC	1	12/15/2010 03:38 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW32(24.1)-G121410

**Lab ID:** 1012390-17

**Collection Date:** 12/14/2010 11:36 AM

**Matrix:** GROUNDWATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.7		85-120	%REC	1	12/15/2010 03:38 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW32(110)-G121410

**Lab ID:** 1012390-18

**Collection Date:** 12/14/2010 10:30 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 04:03 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 04:03 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 04:03 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 04:03 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 04:03 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 04:03 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 04:03 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 04:03 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 04:03 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 04:03 PM
Acetone	U		20	µg/L	1	12/15/2010 04:03 PM
Benzene	U		1.0	µg/L	1	12/15/2010 04:03 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 04:03 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 04:03 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 04:03 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 04:03 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 04:03 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 04:03 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 04:03 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 04:03 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 04:03 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 04:03 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 04:03 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 04:03 PM
Ethylbenzene	U		1.0	µg/L	1	12/15/2010 04:03 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 04:03 PM
Methylene chloride	U		5.0	µg/L	1	12/15/2010 04:03 PM
o-Xylene	U		1.0	µg/L	1	12/15/2010 04:03 PM
Styrene	U		1.0	µg/L	1	12/15/2010 04:03 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 04:03 PM
Toluene	U		1.0	µg/L	1	12/15/2010 04:03 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 04:03 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 04:03 PM
Trichloroethene	U		1.0	µg/L	1	12/15/2010 04:03 PM
Vinyl chloride	U		1.0	µg/L	1	12/15/2010 04:03 PM
Xylenes, Total	U		2.0	µg/L	1	12/15/2010 04:03 PM
Surr: 1,2-Dichloroethane-d4	106		70-120	%REC	1	12/15/2010 04:03 PM
Surr: 4-Bromofluorobenzene	98.2		75-120	%REC	1	12/15/2010 04:03 PM
Surr: Dibromofluoromethane	106		85-115	%REC	1	12/15/2010 04:03 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron TORX GW Dec. 12-14, 2010**Work Order:** 1012390**Sample ID:** MTR-MW32(110)-G121410**Lab ID:** 1012390-18**Collection Date:** 12/14/2010 10:30 AM**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.1		85-120	%REC	1	12/15/2010 04:03 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW32(89)-G121410

**Lab ID:** 1012390-19

**Collection Date:** 12/14/2010 11:10 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 04:30 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 04:30 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 04:30 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 04:30 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 04:30 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 04:30 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 04:30 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 04:30 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 04:30 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 04:30 PM
Acetone	U		20	µg/L	1	12/15/2010 04:30 PM
Benzene	U		1.0	µg/L	1	12/15/2010 04:30 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 04:30 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 04:30 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 04:30 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 04:30 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 04:30 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 04:30 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 04:30 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 04:30 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 04:30 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 04:30 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 04:30 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 04:30 PM
Ethylbenzene	U		1.0	µg/L	1	12/15/2010 04:30 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 04:30 PM
Methylene chloride	U		5.0	µg/L	1	12/15/2010 04:30 PM
o-Xylene	U		1.0	µg/L	1	12/15/2010 04:30 PM
Styrene	U		1.0	µg/L	1	12/15/2010 04:30 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 04:30 PM
Toluene	U		1.0	µg/L	1	12/15/2010 04:30 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 04:30 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 04:30 PM
Trichloroethene	U		1.0	µg/L	1	12/15/2010 04:30 PM
<b>Vinyl chloride</b>	<b>11</b>		<b>1.0</b>	<b>µg/L</b>	1	12/15/2010 04:30 PM
Xylenes, Total	U		2.0	µg/L	1	12/15/2010 04:30 PM
Surr: 1,2-Dichloroethane-d4	106		70-120	%REC	1	12/15/2010 04:30 PM
Surr: 4-Bromofluorobenzene	100		75-120	%REC	1	12/15/2010 04:30 PM
Surr: Dibromofluoromethane	107		85-115	%REC	1	12/15/2010 04:30 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Sample ID:** MTR-MW32(89)-G121410

**Collection Date:** 12/14/2010 11:10 AM

**Work Order:** 1012390

**Lab ID:** 1012390-19

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	100		85-120	%REC	1	12/15/2010 04:30 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW60(38)-G121410

**Lab ID:** 1012390-20

**Collection Date:** 12/14/2010 01:12 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>MK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/15/2010 07:47 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/15/2010 07:47 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/15/2010 07:47 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/15/2010 07:47 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/15/2010 07:47 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/15/2010 07:47 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/15/2010 07:47 PM
2-Butanone	U		5.0	µg/L	1	12/15/2010 07:47 PM
2-Hexanone	U		5.0	µg/L	1	12/15/2010 07:47 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/15/2010 07:47 PM
Acetone	U		20	µg/L	1	12/15/2010 07:47 PM
Benzene	U		1.0	µg/L	1	12/15/2010 07:47 PM
Bromodichloromethane	U		1.0	µg/L	1	12/15/2010 07:47 PM
Bromoform	U		1.0	µg/L	1	12/15/2010 07:47 PM
Bromomethane	U		1.0	µg/L	1	12/15/2010 07:47 PM
Carbon disulfide	U		2.5	µg/L	1	12/15/2010 07:47 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/15/2010 07:47 PM
Chlorobenzene	U		1.0	µg/L	1	12/15/2010 07:47 PM
Chloroethane	U		1.0	µg/L	1	12/15/2010 07:47 PM
Chloroform	U		1.0	µg/L	1	12/15/2010 07:47 PM
Chloromethane	U		1.0	µg/L	1	12/15/2010 07:47 PM
<b>cis-1,2-Dichloroethene</b>	<b>24</b>		<b>1.0</b>	<b>µg/L</b>	1	12/15/2010 07:47 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 07:47 PM
Dibromochloromethane	U		1.0	µg/L	1	12/15/2010 07:47 PM
<b>Ethylbenzene</b>	<b>0.44</b>	J	<b>1.0</b>	<b>µg/L</b>	1	12/15/2010 07:47 PM
m,p-Xylene	U		2.0	µg/L	1	12/15/2010 07:47 PM
Methylene chloride	U		5.0	µg/L	1	12/15/2010 07:47 PM
<b>o-Xylene</b>	<b>0.48</b>	J	<b>1.0</b>	<b>µg/L</b>	1	12/15/2010 07:47 PM
Styrene	U		1.0	µg/L	1	12/15/2010 07:47 PM
Tetrachloroethene	U		2.0	µg/L	1	12/15/2010 07:47 PM
Toluene	U		1.0	µg/L	1	12/15/2010 07:47 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/15/2010 07:47 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/15/2010 07:47 PM
Trichloroethene	U		1.0	µg/L	1	12/15/2010 07:47 PM
<b>Vinyl chloride</b>	<b>100</b>		<b>5.0</b>	<b>µg/L</b>	5	12/16/2010 06:53 PM
<b>Xylenes, Total</b>	<b>0.48</b>	J	<b>2.0</b>	<b>µg/L</b>	1	12/15/2010 07:47 PM
Surr: 1,2-Dichloroethane-d4	98.0		70-120	%REC	1	12/15/2010 07:47 PM
Surr: 1,2-Dichloroethane-d4	97.4		70-120	%REC	5	12/16/2010 06:53 PM
Surr: 4-Bromofluorobenzene	99.8		75-120	%REC	1	12/15/2010 07:47 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 24-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron TORX GW Dec. 12-14, 2010

**Work Order:** 1012390

**Sample ID:** MTR-MW60(38)-G121410

**Lab ID:** 1012390-20

**Collection Date:** 12/14/2010 01:12 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	98.5		75-120	%REC	5	12/16/2010 06:53 PM
Surr: Dibromofluoromethane	100		85-115	%REC	1	12/15/2010 07:47 PM
Surr: Dibromofluoromethane	98.7		85-115	%REC	5	12/16/2010 06:53 PM
Surr: Toluene-d8	99.4		85-120	%REC	5	12/16/2010 06:53 PM
Surr: Toluene-d8	101		85-120	%REC	1	12/15/2010 07:47 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 24-Dec-10

Client: MACTEC Engineering & Consulting, Inc.

QC BATCH REPORT

Work Order: 1012390

Project: Textron TORX GW Dec. 12-14, 2010

Batch ID: R84873

Instrument ID VMS8

Method: SW8260

MBLK	Sample ID: VBLKW1-101215-R84873	Units: µg/L					Analysis Date: 12/15/2010 12:36 PM			
Client ID:	Run ID: VMS8_101215A	SeqNo: 1508796	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Dibromochloromethane	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Methylene chloride	U	5.0								
o-Xylene	U	1.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								
trans-1,2-Dichloroethene	U	1.0								
trans-1,3-Dichloropropene	U	1.0								
Trichloroethene	U	1.0								
Vinyl chloride	U	1.0								
Xylenes, Total	U	2.0								
Surr: 1,2-Dichloroethane-d4	101.4	0	100	0	101	70-120	0			
Surr: 4-Bromofluorobenzene	99.3	0	100	0	99.3	75-120	0			
Surr: Dibromofluoromethane	102.8	0	100	0	103	85-115	0			
Surr: Toluene-d8	99.68	0	100	0	99.7	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012390

Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84873**

Instrument ID **VMS8**

Method: **SW8260**

LCS Sample ID: **VLCSW1-101215-R84873** Units: **µg/L** Analysis Date: **12/15/2010 11:19 AM**

Client ID: Run ID: **VMS8\_101215A** SeqNo: **1508019** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	24.63	1.0	20	0	123	65-130	0			
1,1,2,2-Tetrachloroethane	20.52	1.0	20	0	103	65-130	0			
1,1,2-Trichloroethane	19.89	1.0	20	0	99.4	75-125	0			
1,1-Dichloroethane	22.78	1.0	20	0	114	70-135	0			
1,1-Dichloroethene	26.94	1.0	20	0	135	70-130	0			S
1,2-Dichloroethane	20.96	1.0	20	0	105	70-130	0			
1,2-Dichloropropane	22.36	2.0	20	0	112	75-125	0			
2-Butanone	18.86	5.0	20	0	94.3	30-150	0			
2-Hexanone	18.74	5.0	20	0	93.7	55-130	0			
4-Methyl-2-pentanone	19.29	5.0	20	0	96.4	60-135	0			
Acetone	22.57	20	20	0	113	40-140	0			
Benzene	21.97	1.0	20	0	110	80-120	0			
Bromodichloromethane	23.66	1.0	20	0	118	75-120	0			
Bromoform	21.93	1.0	20	0	110	70-130	0			
Bromomethane	25.2	1.0	20	0	126	30-145	0			
Carbon disulfide	29.4	2.5	20	0	147	35-165	0			
Carbon tetrachloride	22.04	1.0	20	0	110	65-140	0			
Chlorobenzene	21.49	1.0	20	0	107	80-120	0			
Chloroethane	23.11	1.0	20	0	116	60-135	0			
Chloroform	21.28	1.0	20	0	106	65-135	0			
Chloromethane	20.64	1.0	20	0	103	70-125	0			
cis-1,2-Dichloroethene	20.81	1.0	20	0	104	70-125	0			
cis-1,3-Dichloropropene	23.12	1.0	20	0	116	70-130	0			
Dibromochloromethane	22.17	1.0	20	0	111	60-135	0			
Ethylbenzene	21.73	1.0	20	0	109	75-125	0			
m,p-Xylene	43.39	2.0	40	0	108	75-130	0			
Methylene chloride	22.13	5.0	20	0	111	55-140	0			
o-Xylene	21.7	1.0	20	0	108	80-120	0			
Styrene	21.82	1.0	20	0	109	65-135	0			
Tetrachloroethene	21.79	2.0	20	0	109	45-150	0			
Toluene	21.62	1.0	20	0	108	75-120	0			
trans-1,2-Dichloroethene	24.61	1.0	20	0	123	60-140	0			
trans-1,3-Dichloropropene	23.17	1.0	20	0	116	55-140	0			
Trichloroethene	22.1	1.0	20	0	110	70-125	0			
Vinyl chloride	23.33	1.0	20	0	117	50-145	0			
Xylenes, Total	65.09	2.0	60	0	108	75-130	0			
Surr: 1,2-Dichloroethane-d4	99.4	0	100	0	99.4	70-120	0			
Surr: 4-Bromofluorobenzene	100.8	0	100	0	101	75-120	0			
Surr: Dibromofluoromethane	100.9	0	100	0	101	85-115	0			
Surr: Toluene-d8	100.1	0	100	0	100	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012390  
 Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84873** Instrument ID **VMS8** Method: **SW8260**

LCSD	Sample ID: <b>VLCS DW1-101215-R84873</b>	Units: <b>µg/L</b>					Analysis Date: <b>12/15/2010 11:45 AM</b>				
Client ID:	Run ID: <b>VMS8_101215A</b>	SeqNo: <b>1508042</b>			Prep Date:		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	23.55	1.0	20	0	118	65-130	24.63	4.48	30		
1,1,2,2-Tetrachloroethane	20.67	1.0	20	0	103	65-130	20.52	0.728	30		
1,1,2-Trichloroethane	19.65	1.0	20	0	98.2	75-125	19.89	1.21	30		
1,1-Dichloroethane	22.13	1.0	20	0	111	70-135	22.78	2.89	30		
1,1-Dichloroethene	25.52	1.0	20	0	128	70-130	26.94	5.41	30		
1,2-Dichloroethane	20.87	1.0	20	0	104	70-130	20.96	0.43	30		
1,2-Dichloropropane	21.91	2.0	20	0	110	75-125	22.36	2.03	30		
2-Butanone	19.34	5.0	20	0	96.7	30-150	18.86	2.51	30		
2-Hexanone	19.5	5.0	20	0	97.5	55-130	18.74	3.97	30		
4-Methyl-2-pentanone	19.87	5.0	20	0	99.4	60-135	19.29	2.96	30		
Acetone	22.94	20	20	0	115	40-140	22.57	1.63	30		
Benzene	21.24	1.0	20	0	106	80-120	21.97	3.38	30		
Bromodichloromethane	23.07	1.0	20	0	115	75-120	23.66	2.53	30		
Bromoform	22.03	1.0	20	0	110	70-130	21.93	0.455	30		
Bromomethane	23.53	1.0	20	0	118	30-145	25.2	6.85	30		
Carbon disulfide	27.92	2.5	20	0	140	35-165	29.4	5.16	30		
Carbon tetrachloride	20.96	1.0	20	0	105	65-140	22.04	5.02	30		
Chlorobenzene	21.03	1.0	20	0	105	80-120	21.49	2.16	30		
Chloroethane	19.53	1.0	20	0	97.6	60-135	23.11	16.8	30		
Chloroform	20.8	1.0	20	0	104	65-135	21.28	2.28	30		
Chloromethane	20.01	1.0	20	0	100	70-125	20.64	3.1	30		
cis-1,2-Dichloroethene	20.62	1.0	20	0	103	70-125	20.81	0.917	30		
cis-1,3-Dichloropropene	22.62	1.0	20	0	113	70-130	23.12	2.19	30		
Dibromochloromethane	21.93	1.0	20	0	110	60-135	22.17	1.09	30		
Ethylbenzene	21.35	1.0	20	0	107	75-125	21.73	1.76	30		
m,p-Xylene	42.18	2.0	40	0	105	75-130	43.39	2.83	30		
Methylene chloride	21.49	5.0	20	0	107	55-140	22.13	2.93	30		
o-Xylene	21.28	1.0	20	0	106	80-120	21.7	1.95	30		
Styrene	21.44	1.0	20	0	107	65-135	21.82	1.76	30		
Tetrachloroethene	21.01	2.0	20	0	105	45-150	21.79	3.64	30		
Toluene	21	1.0	20	0	105	75-120	21.62	2.91	30		
trans-1,2-Dichloroethene	23.59	1.0	20	0	118	60-140	24.61	4.23	30		
trans-1,3-Dichloropropene	22.86	1.0	20	0	114	55-140	23.17	1.35	30		
Trichloroethene	21.43	1.0	20	0	107	70-125	22.1	3.08	30		
Vinyl chloride	22.12	1.0	20	0	111	50-145	23.33	5.32	30		
Xylenes, Total	63.46	2.0	60	0	106	75-130	65.09	2.54	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	99.36	0	100	0	99.4	70-120	99.4	0.0402	30		
<i>Surr: 4-Bromofluorobenzene</i>	101	0	100	0	101	75-120	100.8	0.149	30		
<i>Surr: Dibromofluoromethane</i>	100.2	0	100	0	100	85-115	100.9	0.726	30		
<i>Surr: Toluene-d8</i>	100.5	0	100	0	100	85-120	100.1	0.339	30		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012390

Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84873**

Instrument ID **VMS8**

Method: **SW8260**

MS		Sample ID: <b>1012390-07A MS</b>			Units: <b>µg/L</b>		Analysis Date: <b>12/15/2010 09:15 PM</b>			
Client ID: <b>MTR-MW75(32)-G121310</b>		Run ID: <b>VMS8_101215A</b>			SeqNo: <b>1508838</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	24.02	1.0	20	0	120	65-130	0			
1,1,2,2-Tetrachloroethane	19.84	1.0	20	0	99.2	65-130	0			
1,1,2-Trichloroethane	18.7	1.0	20	0	93.5	75-125	0			
1,1-Dichloroethane	21.83	1.0	20	0	109	70-135	0			
1,1-Dichloroethene	26.83	1.0	20	0	134	70-130	0			S
1,2-Dichloroethane	20.52	1.0	20	0	103	70-130	0			
1,2-Dichloropropane	21.02	2.0	20	0	105	75-125	0			
2-Butanone	19.94	5.0	20	0	99.7	30-150	0			
2-Hexanone	19.01	5.0	20	0	95	55-130	0			
4-Methyl-2-pentanone	18.56	5.0	20	0	92.8	60-135	0			
Acetone	30.29	20	20	0	151	40-140	0			S
Benzene	21.04	1.0	20	0	105	80-120	0			
Bromodichloromethane	22.72	1.0	20	0	114	75-120	0			
Bromoform	20.74	1.0	20	0	104	70-130	0			
Bromomethane	26.38	1.0	20	0	132	30-145	0			
Carbon disulfide	26.29	2.5	20	0	131	35-165	0			
Carbon tetrachloride	21.84	1.0	20	0	109	65-140	0			
Chlorobenzene	20.08	1.0	20	0	100	80-120	0			
Chloroethane	21.3	1.0	20	0	106	60-135	0			
Chloroform	20.51	1.0	20	0	103	65-135	0			
Chloromethane	19.94	1.0	20	0	99.7	70-125	0			
cis-1,2-Dichloroethene	20.25	1.0	20	0	101	70-125	0			
cis-1,3-Dichloropropene	21.05	1.0	20	0	105	70-130	0			
Dibromochloromethane	20.75	1.0	20	0	104	60-135	0			
Ethylbenzene	20.68	1.0	20	0	103	75-125	0			
m,p-Xylene	41.27	2.0	40	0	103	75-130	0			
Methylene chloride	21.58	5.0	20	0	108	55-140	0			
o-Xylene	20.31	1.0	20	0	102	80-120	0			
Styrene	20.46	1.0	20	0	102	65-135	0			
Tetrachloroethene	22.4	2.0	20	0	112	45-150	0			
Toluene	20.37	1.0	20	0	102	75-120	0			
trans-1,2-Dichloroethene	23.58	1.0	20	0	118	60-140	0			
trans-1,3-Dichloropropene	20.53	1.0	20	0	103	55-140	0			
Trichloroethene	27.69	1.0	20	5.8	109	70-125	0			
Vinyl chloride	23.46	1.0	20	0	117	50-145	0			
Xylenes, Total	61.58	2.0	60	0	103	75-130	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>103.9</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>100.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>104.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>98.17</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98.2</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012390  
 Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84873** Instrument ID **VMS8** Method: **SW8260**

MSD		Sample ID: <b>1012390-07A MSD</b>				Units: <b>µg/L</b>		Analysis Date: <b>12/15/2010 09:41 PM</b>			
Client ID: <b>MTR-MW75(32)-G121310</b>		Run ID: <b>VMS8_101215A</b>				SeqNo: <b>1508841</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	22.73	1.0	20	0	114	65-130	24.02	5.52	30		
1,1,2,2-Tetrachloroethane	19.49	1.0	20	0	97.4	65-130	19.84	1.78	30		
1,1,2-Trichloroethane	18.47	1.0	20	0	92.4	75-125	18.7	1.24	30		
1,1-Dichloroethane	21.36	1.0	20	0	107	70-135	21.83	2.18	30		
1,1-Dichloroethene	25.65	1.0	20	0	128	70-130	26.83	4.5	30		
1,2-Dichloroethane	20.04	1.0	20	0	100	70-130	20.52	2.37	30		
1,2-Dichloropropane	20.64	2.0	20	0	103	75-125	21.02	1.82	30		
2-Butanone	20.2	5.0	20	0	101	30-150	19.94	1.3	30		
2-Hexanone	19.14	5.0	20	0	95.7	55-130	19.01	0.682	30		
4-Methyl-2-pentanone	18.6	5.0	20	0	93	60-135	18.56	0.215	30		
Acetone	31.09	20	20	0	155	40-140	30.29	2.61	30	S	
Benzene	20.41	1.0	20	0	102	80-120	21.04	3.04	30		
Bromodichloromethane	21.96	1.0	20	0	110	75-120	22.72	3.4	30		
Bromoform	20.37	1.0	20	0	102	70-130	20.74	1.8	30		
Bromomethane	25.54	1.0	20	0	128	30-145	26.38	3.24	30		
Carbon disulfide	25.47	2.5	20	0	127	35-165	26.29	3.17	30		
Carbon tetrachloride	20.52	1.0	20	0	103	65-140	21.84	6.23	30		
Chlorobenzene	19.93	1.0	20	0	99.6	80-120	20.08	0.75	30		
Chloroethane	20.73	1.0	20	0	104	60-135	21.3	2.71	30		
Chloroform	20.11	1.0	20	0	101	65-135	20.51	1.97	30		
Chloromethane	19.48	1.0	20	0	97.4	70-125	19.94	2.33	30		
cis-1,2-Dichloroethene	19.52	1.0	20	0	97.6	70-125	20.25	3.67	30		
cis-1,3-Dichloropropene	20.46	1.0	20	0	102	70-130	21.05	2.84	30		
Dibromochloromethane	20.53	1.0	20	0	103	60-135	20.75	1.07	30		
Ethylbenzene	20.39	1.0	20	0	102	75-125	20.68	1.41	30		
m,p-Xylene	40.74	2.0	40	0	102	75-130	41.27	1.29	30		
Methylene chloride	20.31	5.0	20	0	102	55-140	21.58	6.06	30		
o-Xylene	20.17	1.0	20	0	101	80-120	20.31	0.692	30		
Styrene	20.31	1.0	20	0	102	65-135	20.46	0.736	30		
Tetrachloroethene	21.99	2.0	20	0	110	45-150	22.4	1.85	30		
Toluene	20.15	1.0	20	0	101	75-120	20.37	1.09	30		
trans-1,2-Dichloroethene	22.62	1.0	20	0	113	60-140	23.58	4.16	30		
trans-1,3-Dichloropropene	20.58	1.0	20	0	103	55-140	20.53	0.243	30		
Trichloroethene	26.43	1.0	20	5.8	103	70-125	27.69	4.66	30		
Vinyl chloride	22.09	1.0	20	0	110	50-145	23.46	6.02	30		
Xylenes, Total	60.91	2.0	60	0	102	75-130	61.58	1.09	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>103.1</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>70-120</i>	<i>103.9</i>	<i>0.821</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>102.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>75-120</i>	<i>100.6</i>	<i>1.55</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>102.9</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>85-115</i>	<i>104.3</i>	<i>1.36</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>100.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-120</i>	<i>98.17</i>	<i>2.17</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** MACTEC Engineering & Consulting, Inc.

**Work Order:** 1012390

**Project:** Textron TORX GW Dec. 12-14, 2010

## QC BATCH REPORT

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Batch ID: **R84873**

Instrument ID **VMS8**

Method: **SW8260**

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**The following samples were analyzed in this batch:**

1012390-01A	1012390-02A	1012390-03A
1012390-04A	1012390-05A	1012390-06A
1012390-07A	1012390-08A	1012390-09A
1012390-12A	1012390-13A	1012390-14A
1012390-15A	1012390-16A	1012390-17A
1012390-18A	1012390-19A	

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012390  
 Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84904** Instrument ID **VMS7** Method: **SW8260**

MBLK Sample ID: **VBLKW1-101215-R84904** Units: **µg/L** Analysis Date: **12/15/2010 06:54 PM**

Client ID: Run ID: **VMS7\_101215A** SeqNo: **1508959** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Dibromochloromethane	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Methylene chloride	U	5.0								
o-Xylene	U	1.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								
trans-1,2-Dichloroethene	U	1.0								
trans-1,3-Dichloropropene	U	1.0								
Trichloroethene	U	1.0								
Xylenes, Total	U	2.0								
Surr: 1,2-Dichloroethane-d4	98.67	0	100	0	98.7	70-120	0			
Surr: 4-Bromofluorobenzene	100.8	0	100	0	101	75-120	0			
Surr: Dibromofluoromethane	99.01	0	100	0	99	85-115	0			
Surr: Toluene-d8	102.5	0	100	0	102	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012390  
 Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84904** Instrument ID **VMS7** Method: **SW8260**

LCS Sample ID: **VLCSW1-101215-R84904** Units: **µg/L** Analysis Date: **12/15/2010 05:35 PM**

Client ID: Run ID: **VMS7\_101215A** SeqNo: **1508719** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.93	1.0	20	0	105	65-130	0			
1,1,2,2-Tetrachloroethane	18.53	1.0	20	0	92.6	65-130	0			
1,1,2-Trichloroethane	18.84	1.0	20	0	94.2	75-125	0			
1,1-Dichloroethane	21.21	1.0	20	0	106	70-135	0			
1,1-Dichloroethene	23.56	1.0	20	0	118	70-130	0			
1,2-Dichloroethane	20.27	1.0	20	0	101	70-130	0			
1,2-Dichloropropane	20.2	2.0	20	0	101	75-125	0			
2-Butanone	14.82	5.0	20	0	74.1	30-150	0			
2-Hexanone	17.25	5.0	20	0	86.2	55-130	0			
4-Methyl-2-pentanone	18.35	5.0	20	0	91.8	60-135	0			
Acetone	20.68	20	20	0	103	40-140	0			
Benzene	20.06	1.0	20	0	100	80-120	0			
Bromodichloromethane	20.12	1.0	20	0	101	75-120	0			
Bromoform	19.15	1.0	20	0	95.8	70-130	0			
Bromomethane	25.33	1.0	20	0	127	30-145	0			
Carbon disulfide	25.42	2.5	20	0	127	35-165	0			
Carbon tetrachloride	21.04	1.0	20	0	105	65-140	0			
Chlorobenzene	19.73	1.0	20	0	98.6	80-120	0			
Chloroethane	20.37	1.0	20	0	102	60-135	0			
Chloroform	19.89	1.0	20	0	99.4	65-135	0			
Chloromethane	21.36	1.0	20	0	107	70-125	0			
cis-1,2-Dichloroethene	20.84	1.0	20	0	104	70-125	0			
cis-1,3-Dichloropropene	20.7	1.0	20	0	104	70-130	0			
Dibromochloromethane	20.09	1.0	20	0	100	60-135	0			
Ethylbenzene	19.46	1.0	20	0	97.3	75-125	0			
m,p-Xylene	39.76	2.0	40	0	99.4	75-130	0			
Methylene chloride	20.55	5.0	20	0	103	55-140	0			
o-Xylene	19.2	1.0	20	0	96	80-120	0			
Styrene	19.91	1.0	20	0	99.6	65-135	0			
Tetrachloroethene	21.03	2.0	20	0	105	45-150	0			
Toluene	20.27	1.0	20	0	101	75-120	0			
trans-1,2-Dichloroethene	21.91	1.0	20	0	110	60-140	0			
trans-1,3-Dichloropropene	21.82	1.0	20	0	109	55-140	0			
Trichloroethene	19.36	1.0	20	0	96.8	70-125	0			
Xylenes, Total	58.96	2.0	60	0	98.3	75-130	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>99.42</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.4</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>98.67</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98.7</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>100.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>99.94</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.9</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012390  
 Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84904** Instrument ID **VMS7** Method: **SW8260**

LCSD	Sample ID: <b>VLCS DW1-101215-R84904</b>	Units: <b>µg/L</b>					Analysis Date: <b>12/15/2010 06:01 PM</b>				
Client ID:	Run ID: <b>VMS7_101215A</b>	SeqNo: <b>1508720</b>			Prep Date:		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.09	1.0	20	0	100	65-130	20.93	4.1	30		
1,1,2,2-Tetrachloroethane	19.61	1.0	20	0	98	65-130	18.53	5.66	30		
1,1,2-Trichloroethane	19.21	1.0	20	0	96	75-125	18.84	1.94	30		
1,1-Dichloroethane	20.24	1.0	20	0	101	70-135	21.21	4.68	30		
1,1-Dichloroethene	21.76	1.0	20	0	109	70-130	23.56	7.94	30		
1,2-Dichloroethane	19.98	1.0	20	0	99.9	70-130	20.27	1.44	30		
1,2-Dichloropropane	19.76	2.0	20	0	98.8	75-125	20.2	2.2	30		
2-Butanone	15.71	5.0	20	0	78.6	30-150	14.82	5.83	30		
2-Hexanone	18.97	5.0	20	0	94.8	55-130	17.25	9.5	30		
4-Methyl-2-pentanone	19.94	5.0	20	0	99.7	60-135	18.35	8.31	30		
Acetone	22.01	20	20	0	110	40-140	20.68	6.23	30		
Benzene	19.39	1.0	20	0	97	80-120	20.06	3.4	30		
Bromodichloromethane	19.8	1.0	20	0	99	75-120	20.12	1.6	30		
Bromoform	19.97	1.0	20	0	99.8	70-130	19.15	4.19	30		
Bromomethane	23.28	1.0	20	0	116	30-145	25.33	8.43	30		
Carbon disulfide	23.15	2.5	20	0	116	35-165	25.42	9.35	30		
Carbon tetrachloride	20.26	1.0	20	0	101	65-140	21.04	3.78	30		
Chlorobenzene	19.2	1.0	20	0	96	80-120	19.73	2.72	30		
Chloroethane	19.31	1.0	20	0	96.6	60-135	20.37	5.34	30		
Chloroform	19.24	1.0	20	0	96.2	65-135	19.89	3.32	30		
Chloromethane	19.55	1.0	20	0	97.8	70-125	21.36	8.85	30		
cis-1,2-Dichloroethene	20.06	1.0	20	0	100	70-125	20.84	3.81	30		
cis-1,3-Dichloropropene	20.29	1.0	20	0	101	70-130	20.7	2	30		
Dibromochloromethane	20.04	1.0	20	0	100	60-135	20.09	0.249	30		
Ethylbenzene	18.77	1.0	20	0	93.8	75-125	19.46	3.61	30		
m,p-Xylene	39.02	2.0	40	0	97.6	75-130	39.76	1.88	30		
Methylene chloride	20.11	5.0	20	0	101	55-140	20.55	2.16	30		
o-Xylene	18.83	1.0	20	0	94.2	80-120	19.2	1.95	30		
Styrene	19.57	1.0	20	0	97.8	65-135	19.91	1.72	30		
Tetrachloroethene	20.16	2.0	20	0	101	45-150	21.03	4.22	30		
Toluene	19.7	1.0	20	0	98.5	75-120	20.27	2.85	30		
trans-1,2-Dichloroethene	20.82	1.0	20	0	104	60-140	21.91	5.1	30		
trans-1,3-Dichloropropene	21.67	1.0	20	0	108	55-140	21.82	0.69	30		
Trichloroethene	18.68	1.0	20	0	93.4	70-125	19.36	3.58	30		
Xylenes, Total	57.85	2.0	60	0	96.4	75-130	58.96	1.9	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>100.4</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>70-120</i>	<i>99.42</i>	<i>0.981</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>99.03</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99</i>	<i>75-120</i>	<i>98.67</i>	<i>0.364</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>101.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-115</i>	<i>100.3</i>	<i>0.814</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>100.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-120</i>	<i>99.94</i>	<i>0.539</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012390  
 Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84904** Instrument ID **VMS7** Method: **SW8260**

MS Sample ID: **1012390-20A MS** Units: **µg/L** Analysis Date: **12/16/2010 03:40 AM**

Client ID: **MTR-MW60(38)-G121410** Run ID: **VMS7\_101215A** SeqNo: **1508968** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.81	1.0	20	0	104	65-130	0			
1,1,2,2-Tetrachloroethane	18.81	1.0	20	0	94	65-130	0			
1,1,2-Trichloroethane	19.05	1.0	20	0	95.2	75-125	0			
1,1-Dichloroethane	20.3	1.0	20	0	102	70-135	0			
1,1-Dichloroethene	22.28	1.0	20	0	111	70-130	0			
1,2-Dichloroethane	19.91	1.0	20	0	99.6	70-130	0			
1,2-Dichloropropane	19.76	2.0	20	0	98.8	75-125	0			
2-Butanone	16.71	5.0	20	0	83.6	30-150	0			
2-Hexanone	19.17	5.0	20	0	95.8	55-130	0			
4-Methyl-2-pentanone	19.01	5.0	20	0	95	60-135	0			
Acetone	29.49	20	20	0	147	40-140	0			S
Benzene	20.01	1.0	20	0	100	80-120	0			
Bromodichloromethane	19.77	1.0	20	0	98.8	75-120	0			
Bromoform	19.85	1.0	20	0	99.2	70-130	0			
Bromomethane	19.31	1.0	20	0	96.6	30-145	0			
Carbon disulfide	23.32	2.5	20	0	117	35-165	0			
Carbon tetrachloride	21.15	1.0	20	0	106	65-140	0			
Chlorobenzene	19.88	1.0	20	0	99.4	80-120	0			
Chloroethane	19.83	1.0	20	0	99.2	60-135	0			
Chloroform	19.2	1.0	20	0	96	65-135	0			
Chloromethane	19.72	1.0	20	0	98.6	70-125	0			
cis-1,2-Dichloroethene	43.44	1.0	20	23.58	99.3	70-125	0			
cis-1,3-Dichloropropene	19.25	1.0	20	0	96.2	70-130	0			
Dibromochloromethane	19.79	1.0	20	0	99	60-135	0			
Ethylbenzene	20.15	1.0	20	0.44	98.6	75-125	0			
m,p-Xylene	40.78	2.0	40	0.29	101	75-130	0			
Methylene chloride	19.73	5.0	20	0	98.6	55-140	0			
o-Xylene	19.79	1.0	20	0.48	96.6	80-120	0			
Styrene	20.04	1.0	20	0	100	65-135	0			
Tetrachloroethene	25.28	2.0	20	0	126	45-150	0			
Toluene	20.22	1.0	20	0	101	75-120	0			
trans-1,2-Dichloroethene	21.29	1.0	20	0	106	60-140	0			
trans-1,3-Dichloropropene	20.24	1.0	20	0	101	55-140	0			
Trichloroethene	20.11	1.0	20	0	101	70-125	0			
Xylenes, Total	60.57	2.0	60	0.48	100	75-130	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>99.24</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.2</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>100.9</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>100.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>99.86</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.9</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012390  
 Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84904** Instrument ID **VMS7** Method: **SW8260**

MSD Sample ID: **1012390-20A MSD** Units: **µg/L** Analysis Date: **12/16/2010 04:07 AM**

Client ID: **MTR-MW60(38)-G121410** Run ID: **VMS7\_101215A** SeqNo: **1508969** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.5	1.0	20	0	102	65-130	20.81	1.5	30	
1,1,2,2-Tetrachloroethane	18.59	1.0	20	0	93	65-130	18.81	1.18	30	
1,1,2-Trichloroethane	18.71	1.0	20	0	93.6	75-125	19.05	1.8	30	
1,1-Dichloroethane	19.86	1.0	20	0	99.3	70-135	20.3	2.19	30	
1,1-Dichloroethene	21.85	1.0	20	0	109	70-130	22.28	1.95	30	
1,2-Dichloroethane	19.58	1.0	20	0	97.9	70-130	19.91	1.67	30	
1,2-Dichloropropane	19.68	2.0	20	0	98.4	75-125	19.76	0.406	30	
2-Butanone	16.46	5.0	20	0	82.3	30-150	16.71	1.51	30	
2-Hexanone	18.79	5.0	20	0	94	55-130	19.17	2	30	
4-Methyl-2-pentanone	18.61	5.0	20	0	93	60-135	19.01	2.13	30	
Acetone	29.11	20	20	0	146	40-140	29.49	1.3	30	S
Benzene	19.67	1.0	20	0	98.4	80-120	20.01	1.71	30	
Bromodichloromethane	19.52	1.0	20	0	97.6	75-120	19.77	1.27	30	
Bromoform	19.42	1.0	20	0	97.1	70-130	19.85	2.19	30	
Bromomethane	20.57	1.0	20	0	103	30-145	19.31	6.32	30	
Carbon disulfide	22.77	2.5	20	0	114	35-165	23.32	2.39	30	
Carbon tetrachloride	20.81	1.0	20	0	104	65-140	21.15	1.62	30	
Chlorobenzene	19.36	1.0	20	0	96.8	80-120	19.88	2.65	30	
Chloroethane	19.24	1.0	20	0	96.2	60-135	19.83	3.02	30	
Chloroform	18.78	1.0	20	0	93.9	65-135	19.2	2.21	30	
Chloromethane	19.56	1.0	20	0	97.8	70-125	19.72	0.815	30	
cis-1,2-Dichloroethene	42.41	1.0	20	23.58	94.2	70-125	43.44	2.4	30	
cis-1,3-Dichloropropene	18.98	1.0	20	0	94.9	70-130	19.25	1.41	30	
Dibromochloromethane	19.56	1.0	20	0	97.8	60-135	19.79	1.17	30	
Ethylbenzene	19.46	1.0	20	0.44	95.1	75-125	20.15	3.48	30	
m,p-Xylene	39.71	2.0	40	0.29	98.6	75-130	40.78	2.66	30	
Methylene chloride	19.52	5.0	20	0	97.6	55-140	19.73	1.07	30	
o-Xylene	19.28	1.0	20	0.48	94	80-120	19.79	2.61	30	
Styrene	19.69	1.0	20	0	98.4	65-135	20.04	1.76	30	
Tetrachloroethene	24.53	2.0	20	0	123	45-150	25.28	3.01	30	
Toluene	19.77	1.0	20	0	98.8	75-120	20.22	2.25	30	
trans-1,2-Dichloroethene	20.72	1.0	20	0	104	60-140	21.29	2.71	30	
trans-1,3-Dichloropropene	19.73	1.0	20	0	98.6	55-140	20.24	2.55	30	
Trichloroethene	19.61	1.0	20	0	98	70-125	20.11	2.52	30	
Xylenes, Total	58.99	2.0	60	0.48	97.5	75-130	60.57	2.64	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	99.28	0	100	0	99.3	70-120	99.24	0.0403	30	
<i>Surr: 4-Bromofluorobenzene</i>	100.9	0	100	0	101	75-120	100.9	0.0397	30	
<i>Surr: Dibromofluoromethane</i>	100.2	0	100	0	100	85-115	100.3	0.0299	30	
<i>Surr: Toluene-d8</i>	99.61	0	100	0	99.6	85-120	99.86	0.251	30	

The following samples were analyzed in this batch:

1012390-10A	1012390-11A	1012390-20A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

# QC BATCH REPORT

Work Order: 1012390

Project: Textron TORX GW Dec. 12-14, 2010

Batch ID: R84912A

Instrument ID VMS8

Method: SW8260

MBLK Sample ID: VBLKW1-101216-R84912A Units: µg/L Analysis Date: 12/16/2010 11:05 AM

Client ID: Run ID: VMS8\_101216A SeqNo: 1509868 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Dibromochloromethane	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Methylene chloride	U	5.0								
o-Xylene	U	1.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								
trans-1,2-Dichloroethene	U	1.0								
trans-1,3-Dichloropropene	U	1.0								
Trichloroethene	U	1.0								
Vinyl chloride	U	1.0								
Xylenes, Total	U	2.0								
Surr: 1,2-Dichloroethane-d4	100.2	0	100	0	100	70-120	0			
Surr: 4-Bromofluorobenzene	97.5	0	100	0	97.5	75-120	0			
Surr: Dibromofluoromethane	102.7	0	100	0	103	85-115	0			
Surr: Toluene-d8	98.59	0	100	0	98.6	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012390

Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: R84912A

Instrument ID VMS8

Method: SW8260

LCS Sample ID: VLCSW1-101216-R84912A Units: µg/L Analysis Date: 12/16/2010 09:47 AM

Client ID: Run ID: VMS8\_101216A SeqNo: 1508993 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	22.53	1.0	20	0	113	65-130	0			
1,1,2,2-Tetrachloroethane	18.21	1.0	20	0	91	65-130	0			
1,1,2-Trichloroethane	19.05	1.0	20	0	95.2	75-125	0			
1,1-Dichloroethane	21.44	1.0	20	0	107	70-135	0			
1,1-Dichloroethene	22.88	1.0	20	0	114	70-130	0			
1,2-Dichloroethane	19.49	1.0	20	0	97.4	70-130	0			
1,2-Dichloropropane	21.76	2.0	20	0	109	75-125	0			
2-Butanone	16.78	5.0	20	0	83.9	30-150	0			
2-Hexanone	16.52	5.0	20	0	82.6	55-130	0			
4-Methyl-2-pentanone	18.19	5.0	20	0	91	60-135	0			
Acetone	18.22	20	20	0	91.1	40-140	0			J
Benzene	21.15	1.0	20	0	106	80-120	0			
Bromodichloromethane	21.97	1.0	20	0	110	75-120	0			
Bromoform	19.29	1.0	20	0	96.4	70-130	0			
Bromomethane	20.99	1.0	20	0	105	30-145	0			
Carbon disulfide	25.05	2.5	20	0	125	35-165	0			
Carbon tetrachloride	22.54	1.0	20	0	113	65-140	0			
Chlorobenzene	20.45	1.0	20	0	102	80-120	0			
Chloroethane	18.08	1.0	20	0	90.4	60-135	0			
Chloroform	20.1	1.0	20	0	100	65-135	0			
Chloromethane	19.61	1.0	20	0	98	70-125	0			
cis-1,3-Dichloropropene	23.49	1.0	20	0	117	70-130	0			
Dibromochloromethane	20.29	1.0	20	0	101	60-135	0			
Ethylbenzene	20.88	1.0	20	0	104	75-125	0			
m,p-Xylene	41.34	2.0	40	0	103	75-130	0			
Methylene chloride	20.1	5.0	20	0	100	55-140	0			
o-Xylene	21.04	1.0	20	0	105	80-120	0			
Styrene	21.04	1.0	20	0	105	65-135	0			
Tetrachloroethene	21.43	2.0	20	0	107	45-150	0			
Toluene	21.02	1.0	20	0	105	75-120	0			
trans-1,2-Dichloroethene	22.17	1.0	20	0	111	60-140	0			
trans-1,3-Dichloropropene	25.3	1.0	20	0	126	55-140	0			
Trichloroethene	21.64	1.0	20	0	108	70-125	0			
Vinyl chloride	19.82	1.0	20	0	99.1	50-145	0			
Xylenes, Total	62.38	2.0	60	0	104	75-130	0			
Surr: 1,2-Dichloroethane-d4	98.2	0	100	0	98.2	70-120	0			
Surr: 4-Bromofluorobenzene	99.97	0	100	0	100	75-120	0			
Surr: Dibromofluoromethane	99.64	0	100	0	99.6	85-115	0			
Surr: Toluene-d8	100.6	0	100	0	101	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012390  
 Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84912A** Instrument ID **VMS8** Method: **SW8260**

LCSD		Sample ID: <b>VLCS DW1-101216-R84912A</b>				Units: <b>µg/L</b>		Analysis Date: <b>12/16/2010 10:13 AM</b>			
Client ID:		Run ID: <b>VMS8_101216A</b>				SeqNo: <b>1509020</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	21.54	1.0	20	0	108	65-130	22.53	4.49	30		
1,1,2,2-Tetrachloroethane	18.57	1.0	20	0	92.8	65-130	18.21	1.96	30		
1,1,2-Trichloroethane	18.98	1.0	20	0	94.9	75-125	19.05	0.368	30		
1,1-Dichloroethane	20.49	1.0	20	0	102	70-135	21.44	4.53	30		
1,1-Dichloroethene	21.62	1.0	20	0	108	70-130	22.88	5.66	30		
1,2-Dichloroethane	19.25	1.0	20	0	96.2	70-130	19.49	1.24	30		
1,2-Dichloropropane	21.3	2.0	20	0	106	75-125	21.76	2.14	30		
2-Butanone	17.06	5.0	20	0	85.3	30-150	16.78	1.65	30		
2-Hexanone	17.2	5.0	20	0	86	55-130	16.52	4.03	30		
4-Methyl-2-pentanone	18.63	5.0	20	0	93.2	60-135	18.19	2.39	30		
Acetone	19.31	20	20	0	96.6	40-140	18.22	0	30	J	
Benzene	20.41	1.0	20	0	102	80-120	21.15	3.56	30		
Bromodichloromethane	21.47	1.0	20	0	107	75-120	21.97	2.3	30		
Bromoform	19.37	1.0	20	0	96.8	70-130	19.29	0.414	30		
Bromomethane	19.08	1.0	20	0	95.4	30-145	20.99	9.53	30		
Carbon disulfide	23.88	2.5	20	0	119	35-165	25.05	4.78	30		
Carbon tetrachloride	21.35	1.0	20	0	107	65-140	22.54	5.42	30		
Chlorobenzene	19.96	1.0	20	0	99.8	80-120	20.45	2.43	30		
Chloroethane	18.54	1.0	20	0	92.7	60-135	18.08	2.51	30		
Chloroform	19.58	1.0	20	0	97.9	65-135	20.1	2.62	30		
Chloromethane	18.61	1.0	20	0	93	70-125	19.61	5.23	30		
cis-1,3-Dichloropropene	22.75	1.0	20	0	114	70-130	23.49	3.2	30		
Dibromochloromethane	20.25	1.0	20	0	101	60-135	20.29	0.197	30		
Ethylbenzene	20.26	1.0	20	0	101	75-125	20.88	3.01	30		
m,p-Xylene	40.13	2.0	40	0	100	75-130	41.34	2.97	30		
Methylene chloride	19.2	5.0	20	0	96	55-140	20.1	4.58	30		
o-Xylene	20.53	1.0	20	0	103	80-120	21.04	2.45	30		
Styrene	20.78	1.0	20	0	104	65-135	21.04	1.24	30		
Tetrachloroethene	20.64	2.0	20	0	103	45-150	21.43	3.76	30		
Toluene	20.38	1.0	20	0	102	75-120	21.02	3.09	30		
trans-1,2-Dichloroethene	20.79	1.0	20	0	104	60-140	22.17	6.42	30		
trans-1,3-Dichloropropene	24.94	1.0	20	0	125	55-140	25.3	1.43	30		
Trichloroethene	20.88	1.0	20	0	104	70-125	21.64	3.57	30		
Vinyl chloride	18.57	1.0	20	0	92.8	50-145	19.82	6.51	30		
Xylenes, Total	60.66	2.0	60	0	101	75-130	62.38	2.8	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>97.61</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>97.6</i>	<i>70-120</i>	<i>98.2</i>	<i>0.603</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>99.98</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>75-120</i>	<i>99.97</i>	<i>0.01</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>99.99</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-115</i>	<i>99.64</i>	<i>0.351</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>100.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-120</i>	<i>100.6</i>	<i>0.238</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012390

Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84912A**

Instrument ID **VMS8**

Method: **SW8260**

MS	Sample ID: <b>1012410-06A MS</b>	Units: <b>µg/Kg</b>					Analysis Date: <b>12/16/2010 08:10 PM</b>			
Client ID:	Run ID: <b>VMS8_101216A</b>	SeqNo: <b>1510246</b>	Prep Date:	DF: <b>100</b>						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	2265	100	2000	0	113	70-135	0			
1,1,2,2-Tetrachloroethane	1886	200	2000	0	94.3	55-130	0			
1,1,2-Trichloroethane	1947	200	2000	0	97.4	60-125	0			
1,1-Dichloroethane	2149	100	2000	0	107	75-125	0			
1,1-Dichloroethene	2224	100	2000	0	111	65-135	0			
1,2-Dichloroethane	2076	100	2000	0	104	70-135	0			
1,2-Dichloropropane	2183	350	2000	0	109	70-120	0			
2-Butanone	1812	750	2000	0	90.6	30-160	0			
2-Hexanone	1679	500	2000	0	84	45-145	0			
4-Methyl-2-pentanone	1812	500	2000	0	90.6	45-145	0			
Acetone	2007	450	2000	0	100	20-160	0			
Benzene	2138	100	2000	0	107	75-125	0			
Bromodichloromethane	2187	150	2000	0	109	70-130	0			
Bromoform	1844	100	2000	0	92.2	55-135	0			
Bromomethane	1857	150	2000	0	92.8	30-160	0			
Carbon disulfide	2058	150	2000	0	103	45-160	0			
Carbon tetrachloride	2234	100	2000	0	112	65-135	0			
Chlorobenzene	2050	150	2000	0	102	75-125	0			
Chloroethane	2183	300	2000	0	109	40-155	0			
Chloroform	2064	100	2000	0	103	70-125	0			
Chloromethane	2250	300	2000	0	112	50-130	0			
cis-1,3-Dichloropropene	2253	100	2000	0	113	70-125	0			
Dibromochloromethane	1985	200	2000	0	99.2	65-135	0			
Ethylbenzene	2093	200	2000	0	105	75-125	0			
m,p-Xylene	4155	200	4000	0	104	80-125	0			
Methylene chloride	2175	200	2000	0	109	55-145	0			
o-Xylene	2138	100	2000	0	107	75-125	0			
Styrene	2145	150	2000	0	107	75-125	0			
Tetrachloroethene	2114	100	2000	0	106	64-140	0			
Toluene	2096	150	2000	0	105	70-125	0			
trans-1,2-Dichloroethene	2235	100	2000	0	112	65-135	0			
trans-1,3-Dichloropropene	2417	150	2000	0	121	65-125	0			
Trichloroethene	2156	100	2000	0	108	75-125	0			
Vinyl chloride	2167	200	2000	0	108	60-125	0			
Xylenes, Total	6293	300	6000	0	105	75-125	0			
Surr: 1,2-Dichloroethane-d4	10260	0	10000	0	103	70-120	0			
Surr: 4-Bromofluorobenzene	10460	0	10000	0	105	75-120	0			
Surr: Dibromofluoromethane	10200	0	10000	0	102	85-115	0			
Surr: Toluene-d8	9998	0	10000	0	100	85-115	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

# QC BATCH REPORT

Work Order: 1012390

Project: Textron TORX GW Dec. 12-14, 2010

Batch ID: R84912A

Instrument ID VMS8

Method: SW8260

MSD Sample ID: 1012410-06A MSD Units: µg/Kg Analysis Date: 12/16/2010 08:37 PM

Client ID: Run ID: VMS8\_101216A SeqNo: 1510247 Prep Date: DF: 100

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	2174	100	2000	0	109	70-135	2265	4.1	30	
1,1,2,2-Tetrachloroethane	1842	200	2000	0	92.1	55-130	1886	2.36	30	
1,1,2-Trichloroethane	1890	200	2000	0	94.5	60-125	1947	2.97	30	
1,1-Dichloroethane	2100	100	2000	0	105	75-125	2149	2.31	30	
1,1-Dichloroethene	2110	100	2000	0	106	65-135	2224	5.26	30	
1,2-Dichloroethane	2025	100	2000	0	101	70-135	2076	2.49	30	
1,2-Dichloropropane	2138	350	2000	0	107	70-120	2183	2.08	30	
2-Butanone	1798	750	2000	0	89.9	30-160	1812	0.776	30	
2-Hexanone	1630	500	2000	0	81.5	45-145	1679	2.96	30	
4-Methyl-2-pentanone	1759	500	2000	0	88	45-145	1812	2.97	30	
Acetone	2019	450	2000	0	101	20-160	2007	0.596	30	
Benzene	2070	100	2000	0	104	75-125	2138	3.23	30	
Bromodichloromethane	2116	150	2000	0	106	70-130	2187	3.3	30	
Bromoform	1771	100	2000	0	88.6	55-135	1844	4.04	30	
Bromomethane	1843	150	2000	0	92.2	30-160	1857	0.757	30	
Carbon disulfide	2052	150	2000	0	103	45-160	2058	0.292	30	
Carbon tetrachloride	2080	100	2000	0	104	65-135	2234	7.14	30	
Chlorobenzene	1994	150	2000	0	99.7	75-125	2050	2.77	30	
Chloroethane	2078	300	2000	0	104	40-155	2183	4.93	30	
Chloroform	2018	100	2000	0	101	70-125	2064	2.25	30	
Chloromethane	2217	300	2000	0	111	50-130	2250	1.48	30	
cis-1,3-Dichloropropene	2246	100	2000	0	112	70-125	2253	0.311	30	
Dibromochloromethane	1925	200	2000	0	96.2	65-135	1985	3.07	30	
Ethylbenzene	2030	200	2000	0	102	75-125	2093	3.06	30	
m,p-Xylene	4046	200	4000	0	101	80-125	4155	2.66	30	
Methylene chloride	2151	200	2000	0	108	55-145	2175	1.11	30	
o-Xylene	2080	100	2000	0	104	75-125	2138	2.75	30	
Styrene	2101	150	2000	0	105	75-125	2145	2.07	30	
Tetrachloroethene	2023	100	2000	0	101	64-140	2114	4.4	30	
Toluene	2023	150	2000	0	101	70-125	2096	3.54	30	
trans-1,2-Dichloroethene	2255	100	2000	0	113	65-135	2235	0.891	30	
trans-1,3-Dichloropropene	2372	150	2000	0	119	65-125	2417	1.88	30	
Trichloroethene	2071	100	2000	0	104	75-125	2156	4.02	30	
Vinyl chloride	2019	200	2000	0	101	60-125	2167	7.07	30	
Xylenes, Total	6126	300	6000	0	102	75-125	6293	2.69	30	
Surr: 1,2-Dichloroethane-d4	10150	0	10000	0	102	70-120	10260	0.99	30	
Surr: 4-Bromofluorobenzene	10240	0	10000	0	102	75-120	10460	2.06	30	
Surr: Dibromofluoromethane	10130	0	10000	0	101	85-115	10200	0.659	30	
Surr: Toluene-d8	9905	0	10000	0	99	85-115	9998	0.935	30	

The following samples were analyzed in this batch:

1012390-03A	1012390-05A	1012390-06A
1012390-08A	1012390-09A	1012390-10A
1012390-11A	1012390-12A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012390  
 Project: Textron TORX GW Dec. 12-14, 2010

# QC BATCH REPORT

Batch ID: **R84914A** Instrument ID **VMS7** Method: **SW8260**

MBLK		Sample ID: <b>VBLKW1-101216-R84914A</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/16/2010 11:25 AM</b>		
Client ID:		Run ID: <b>VMS7_101216A</b>			SeqNo: <b>1509819</b>			Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	U	1.0								
Vinyl chloride	U	1.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	97.82	0	100	0	97.8	70-120	0			
<i>Surr: 4-Bromofluorobenzene</i>	99.3	0	100	0	99.3	75-120	0			
<i>Surr: Dibromofluoromethane</i>	100	0	100	0	100	85-115	0			
<i>Surr: Toluene-d8</i>	100.5	0	100	0	101	85-120	0			

LCS		Sample ID: <b>VLCSW1-101216-R84914A</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/16/2010 10:06 AM</b>		
Client ID:		Run ID: <b>VMS7_101216A</b>			SeqNo: <b>1509019</b>			Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	20.36	1.0	20	0	102	70-125	0			
Vinyl chloride	19.99	1.0	20	0	100	50-145	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	99.21	0	100	0	99.2	70-120	0			
<i>Surr: 4-Bromofluorobenzene</i>	97.12	0	100	0	97.1	75-120	0			
<i>Surr: Dibromofluoromethane</i>	101	0	100	0	101	85-115	0			
<i>Surr: Toluene-d8</i>	99.78	0	100	0	99.8	85-120	0			

LCSD		Sample ID: <b>VLCSW1-101216-R84914A</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/16/2010 10:32 AM</b>		
Client ID:		Run ID: <b>VMS7_101216A</b>			SeqNo: <b>1509036</b>			Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	19.05	1.0	20	0	95.2	70-125	20.36	6.65	30	
Vinyl chloride	17.86	1.0	20	0	89.3	50-145	19.99	11.3	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	99.6	0	100	0	99.6	70-120	99.21	0.392	30	
<i>Surr: 4-Bromofluorobenzene</i>	99	0	100	0	99	75-120	97.12	1.92	30	
<i>Surr: Dibromofluoromethane</i>	101	0	100	0	101	85-115	101	0.0198	30	
<i>Surr: Toluene-d8</i>	99.75	0	100	0	99.8	85-120	99.78	0.0301	30	

The following samples were analyzed in this batch: | 1012390-12A | 1012390-20A |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



ALS Environmental

10450 Stancliff Rd., Suite 210  
Houston, Texas 77099  
Tel. +1 281 530 5656  
Fax. +1 281 530 5887

# Chain of Custody Form

Page 1 of 2

COC ID: 11942

ALS Environmental

3352 128th Ave.  
Holland, MI 49424-9263  
Tel: +1 616 399 6070  
Fax: +1 616 399 6185

ALS Project Manager:

ALS Work Order #: 1012390

Customer Information		Project Information		Parameter/Method Request for Analysis												
Purchase Order		Project Name	Textron- TOR:X-GW Qrtly GW	A	TCL Volatiles by EPA 8260											
Work Order		Project Number		B	Total Metals: Pb, Cr, Cu, Cd											
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.	C	Dissolved Metals: Pb, Cr, Cu, Cd											
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D												
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E												
				F												
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G												
Phone	(937) 859-3600	Phone	(937) 859-3600	H												
Fax	(937) 859-7951	Fax	(937) 859-7951	I												
e-Mail Address		e-Mail Address		J												

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MTR-MW11-G121310	12/13/10	1730	GW	8	3	X										
2	MTR-EB001-121310	12/13/10	1345	GW EB	8	3	X										
3	MTR-MW12-G121310	12/13/10	1745	GW	8	3	X										
4	MTR-EB002-121310	12/13/10	1350	EB	8	3	X										
5	MTR-MW07(30)-G121310R	12/13/10	1630	GW	8	3	X										
6	MTR-MW07(30)-G121310	12/13/10	1630	GW	8	3	X										
7	MTR-MW75(32)-G121310	12/13/10	1550	GW	8	3	X										
8	MTR-MW08(32)-G121310	12/13/10	1710	GW	8	3	X										
9	MTR-MW72(32)-G121310	12/13/10	1630	GW	8	3	X										
10	MTR-MW05(32)-G121310	12/13/10	1555	GW	8	3	X										

Please run MS/MSD

Sampler(s) Please Print & Sign <i>Lisa Dymoke Gross + Mike Day</i>		Shipment Method ALS Pickup		Required Turnaround Time: (Check Box) Standard				Results Due Date:			
Relinquished by:	Date: 12/14/10	Time: 1345	Received by:	Notes:							
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)					
Logged by (Laboratory):	Date: 12/15/10	Time: 0930	Checked by (Laboratory):		4.22						
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035											

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.  
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.  
 3. The Chain of Custody is a legal document. All information must be completed accurately.





**ALS Environmental**

10450 Stancliff Rd., Suite 210  
Houston, Texas 77099  
Tel. +1 281 530 5656  
Fax. +1 281 530 5887

### Chain of Custody Form

Page 2 of 2

COC ID: **11941**

**ALS Environmental**

3352 128th Ave.  
Holland, MI 49424-9263  
Tel: +1 616 399 6070  
Fax: +1 616 399 6185

ALS Project Manager:

ALS Work Order #: **1012390**

Customer Information		Project Information		Parameter/Method Request for Analysis												
Purchase Order		Project Name	Textron- TORX-GW Qrtly GW	A	TCL Volatiles by EPA 8260											
Work Order		Project Number		B	Total Metals: Pb, Cr, Cu, Cd											
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.	C	Dissolved Metals: Pb, Cr, Cu, Cd											
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D												
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E												
				F												
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G												
Phone	(937) 859-3600	Phone	(937) 859-3600	H												
Fax	(937) 859-7951	Fax	(937) 859-7951	I												
e-Mail Address		e-Mail Address		J												

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
11	MTR-MW 6581-6121310R	12/13/10	1555	GW	8	3	X										
12	MTR-MW 71(33)-6121310	12/13/10	1710	GW	8	3	X										
13	MTR-TB001- <sup>33</sup> 121310	12/13/10	---	TB	8	3	X										
14	MTR-MW51(25)-G121410	12/14/10	1126	GW	8	3	X										
15	MTR-MW51(117)-G121410	12/14/10	1002	GW	8	3	X										
16	MTR-MW51(70)-G121410	12/14/10	1047	GW	8	3	X										
17	MTR-MW32(241)-G121410	12/14/10	1136	GW	8	3	X										
18	MTR-MW32(110)-G121410	12/14/10	1030	GW	8	3	X										
19	MTR-MW32(89)-G121410	12/14/10	1110	GW	8	3	X										
20	MTR-MW60(38)-G121410	12/14/10	1312	GW	8	6	X										

*Please run MS/MSD*

*Please run MS/MSD*

Sampler(s) Please Print & Sign <i>W. Dwayne Gross &amp; Mike Day</i>		Shipment Method <i>ALS Pickup</i>		Required Turnaround Time: (Check Box) <i>Standard</i>		Results Due Date:	
Relinquished by: <i>[Signature]</i>	Date: <i>12/14/10</i>	Time: <i>1345</i>	Received by: <i>[Signature]</i>		Notes:		
Relinquished by:	Date:	Time:	Received by (Laboratory):		Cooler ID	Cooler Temp. <i>4.2C</i>	QC Package: (Check One Box Below)
Logged by (Laboratory): <i>DFS</i>	Date: <i>12/15/10</i>	Time: <i>0930</i>	Checked by (Laboratory): <i>[Signature]</i>				
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035							

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.  
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.  
 3. The Chain of Custody is a legal document. All information must be completed accurately.

Sample Receipt Checklist

Client Name: **MACTEC - OH**

Date/Time Received: **14-Dec-10 13:45**

Work Order: **1012390**

Received by: **MA**

Checklist completed by Diane Shaw 15-Dec-10  
eSignature Date

Reviewed by: Ann Preston 16-Dec-10  
eSignature Date

Matrices: Groundwater

Carrier name: ALSHN

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Present
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No

Temperature(s)/Thermometer(s): 4.2 c

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted

Water - pH acceptable upon receipt? Yes  No  N/A

pH adjusted? Yes  No  N/A

pH adjusted by:

Login Notes:

-----

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

**Ann Preston****From:** Gross, Dwayne [WDGROSS@mactec.com]**Sent:** Monday, December 20, 2010 9:08 AM**To:** Ann Preston

Ann,

I just got back into the office and got a chance to look over the Work Order Acknowledgements and found a couple of errors, mostly on our part.

Lab ID	Work Order Acknowledgement Field ID	Correct ID
1012276-14	MTR-MW37(98)G120710	MTR-MW37(98)-G120710 <del>0</del>
1012276-15	MTR-MW36(35.1)G120710	MTR-MW36(35.2)-G120710 <del>0</del>
1012326-24	MTR-MW29(103.5)-G120810	MTR-MW29(103.3)-G120810 <del>0</del>
1012390-03	MTR-MW13-G121310	MTR-MW12-G121310
1012390-12	MTR-MW71(32)-G121310	MTR-MW71(33)-G121310

Also, on Work Order 1012276, the dashes (-) are missing on several sample IDs. The dash is located between the 'end parenthesis' and the 'G' (ie MW37(70)-G120710).

Let me know if these can be incorporated into the reports, I don't know when you were planning on reporting these results. Hope its not too late.

Thanks

W. Dwayne Gross  
 Staff Geo-Scientist - Dayton  
 MACTEC Engineering and Consulting, Inc.  
 Office 937-859-3600 Work Cell 937-248-9846 Fax 937-859-7951  
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ALS Group: Click [here](#) to report this email as spam.

12/20/2010



30-Dec-2010

Paul Stork  
MACTEC Engineering & Consulting, Inc.  
521 Byers Road, Suite 204  
Miamisburg, OH 45342

Re: **Textron-TORX GW Dec. 14-16, 2010**

Work Order: **1012492**

Dear Paul,

ALS Environmental received 42 samples on 17-Dec-2010 02:15 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 124.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston  
Project Manager



Certificate No: IL100452

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** Textron-TORX GW Dec. 14-16, 2010  
**Work Order:** 1012492

**Work Order Sample Summary**

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1012492-01	MTR-MW13-G121410	Groundwater		12/14/2010 16:25	12/17/2010 14:15	<input type="checkbox"/>
1012492-02	MTR-MW24(55.4)-G121410R	Groundwater		12/14/2010 16:07	12/17/2010 14:15	<input type="checkbox"/>
1012492-03	MTR-MW56(50)-G121410	Groundwater		12/14/2010 14:25	12/17/2010 14:15	<input type="checkbox"/>
1012492-04	MTR-MW50(45)-G121410	Groundwater		12/14/2010 14:20	12/17/2010 14:15	<input type="checkbox"/>
1012492-05	MTR-MW50(80)-G121410	Groundwater		12/14/2010 13:55	12/17/2010 14:15	<input type="checkbox"/>
1012492-06	MTR-MW30(41.1)-G121410	Groundwater		12/14/2010 15:12	12/17/2010 14:15	<input type="checkbox"/>
1012492-07	MTR-MW50(130)-G121410	Groundwater		12/14/2010 13:05	12/17/2010 14:15	<input type="checkbox"/>
1012492-08	MTR-EB001-121410	Water		12/14/2010 16:25	12/17/2010 14:15	<input type="checkbox"/>
1012492-09	MTR-MW24(55.4)-G121410	Groundwater		12/14/2010 16:07	12/17/2010 14:15	<input type="checkbox"/>
1012492-10	MTR-EB002-121410	Water		12/14/2010 16:35	12/17/2010 14:15	<input type="checkbox"/>
1012492-11	MTR-TB001-121410	Water		12/14/2010	12/17/2010 14:15	<input type="checkbox"/>
1012492-12	MTR-EB001-121510	Water		12/15/2010 15:50	12/17/2010 14:15	<input type="checkbox"/>
1012492-13	MTR-EB002-121510	Water		12/15/2010 15:00	12/17/2010 14:15	<input type="checkbox"/>
1012492-14	MTR-MW25(82)-G121510	Groundwater		12/15/2010 15:10	12/17/2010 14:15	<input type="checkbox"/>
1012492-15	MTR-MW25(16.4)-G121510	Groundwater		12/15/2010 15:09	12/17/2010 14:15	<input type="checkbox"/>
1012492-16	MTR-MW25(32.6)-G121510	Groundwater		12/15/2010 14:40	12/17/2010 14:15	<input type="checkbox"/>
1012492-17	MTR-MW27(18)-G121510	Groundwater		12/15/2010 13:50	12/17/2010 14:15	<input type="checkbox"/>
1012492-18	MTR-MW27(18)-G121510R	Groundwater		12/15/2010 13:50	12/17/2010 14:15	<input type="checkbox"/>
1012492-19	MTR-MW15-G121510	Groundwater		12/15/2010 13:57	12/17/2010 14:15	<input type="checkbox"/>
1012492-20	MTR-MW27(104.2)-G121510	Groundwater		12/15/2010 11:35	12/17/2010 14:15	<input type="checkbox"/>
1012492-21	MTR-MW27(75.4)-G121510	Groundwater		12/15/2010 12:30	12/17/2010 14:15	<input type="checkbox"/>
1012492-22	MTR-MW16-G121510	Groundwater		12/15/2010 10:54	12/17/2010 14:15	<input type="checkbox"/>
1012492-23	MTR-MW14-G121510	Groundwater		12/15/2010 09:45	12/17/2010 14:15	<input type="checkbox"/>
1012492-24	MTR-MW17-G121510	Groundwater		12/15/2010 10:20	12/17/2010 14:15	<input type="checkbox"/>
1012492-25	MTR-MW26(17.5)-G121510	Groundwater		12/15/2010 12:16	12/17/2010 14:15	<input type="checkbox"/>
1012492-26	MTR-MW26(58.2)-G121510	Groundwater		12/15/2010 11:47	12/17/2010 14:15	<input type="checkbox"/>
1012492-27	MTR-4377NOHWY31-G121510	Groundwater		12/15/2010 16:05	12/17/2010 14:15	<input type="checkbox"/>
1012492-28	MTR-MW27(53.05)-G121510	Groundwater		12/15/2010 13:15	12/17/2010 14:15	<input type="checkbox"/>
1012492-29	MTR-MW20(35)-G121610	Groundwater		12/16/2010 12:42	12/17/2010 14:15	<input type="checkbox"/>
1012492-30	MTR-MW20(51)-G121610	Groundwater		12/16/2010 11:58	12/17/2010 14:15	<input type="checkbox"/>
1012492-31	MTR-MW20(51)-G121610R	Groundwater		12/16/2010 11:58	12/17/2010 14:15	<input type="checkbox"/>
1012492-32	MTR-MW20(124)-G121610	Groundwater		12/16/2010 11:10	12/17/2010 14:15	<input type="checkbox"/>
1012492-33	MTR-MW20(155)-G121610	Groundwater		12/16/2010 10:05	12/17/2010 14:15	<input type="checkbox"/>
1012492-34	MTR-MW6C-G121610	Groundwater		12/16/2010 10:44	12/17/2010 14:15	<input type="checkbox"/>
1012492-35	MTR-MW59(29)-G121610	Groundwater		12/16/2010 12:02	12/17/2010 14:15	<input type="checkbox"/>
1012492-36	MTR-MW59(46)-G121610	Groundwater		12/16/2010 11:39	12/17/2010 14:15	<input type="checkbox"/>
1012492-37	MTR-MW59(46)-G121610R	Groundwater		12/16/2010 11:39	12/17/2010 14:15	<input type="checkbox"/>
1012492-38	MTR-MW62(36)-G121610	Groundwater		12/16/2010 09:51	12/17/2010 14:15	<input type="checkbox"/>
1012492-39	MTR-MW62(36)-G121610R	Groundwater		12/16/2010 09:51	12/17/2010 14:15	<input type="checkbox"/>

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**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** Textron-TORX GW Dec. 14-16, 2010  
**Work Order:** 1012492

## Work Order Sample Summary

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<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1012492-40	MTR-EB001-121610	Water		12/16/2010 12:55	12/17/2010 14:15	<input type="checkbox"/>
1012492-41	MTR-EB002-121610	Water		12/16/2010 13:25	12/17/2010 14:15	<input type="checkbox"/>
1012492-42	MTR-MW19(53)-G121410	Groundwater		12/14/2010 15:13	12/17/2010 14:15	<input type="checkbox"/>

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**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Case Narrative**

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Batch R85022 sample MTR-MW20(155)-G121610 MS/MSD recoveries for Acetone were above control limits. The parent sample was ND for Acetone.

Batch R8502 LCS recovery for 1,1-Dichloroethene was above control limits and is considered a sporadic marginal exceedance allowed by the SOP. The LCSD and RPD met quality control criteria. The MS/MSD data for Volatiles is not related to this project's samples.

**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** Textron-TORX GW Dec. 14-16, 2010  
**WorkOrder:** 1012492

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter



# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW13-G121410

**Lab ID:** 1012492-01

**Collection Date:** 12/14/2010 04:25 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		5.0	µg/L	5	12/19/2010 09:13 PM
1,1,2,2-Tetrachloroethane	U		5.0	µg/L	5	12/19/2010 09:13 PM
1,1,2-Trichloroethane	U		5.0	µg/L	5	12/19/2010 09:13 PM
1,1-Dichloroethane	U		5.0	µg/L	5	12/19/2010 09:13 PM
1,1-Dichloroethene	U		5.0	µg/L	5	12/19/2010 09:13 PM
1,2-Dichloroethane	U		5.0	µg/L	5	12/19/2010 09:13 PM
1,2-Dichloropropane	U		10	µg/L	5	12/19/2010 09:13 PM
2-Butanone	U		25	µg/L	5	12/19/2010 09:13 PM
2-Hexanone	U		25	µg/L	5	12/19/2010 09:13 PM
4-Methyl-2-pentanone	U		25	µg/L	5	12/19/2010 09:13 PM
Acetone	U		100	µg/L	5	12/19/2010 09:13 PM
Benzene	U		5.0	µg/L	5	12/19/2010 09:13 PM
Bromodichloromethane	U		5.0	µg/L	5	12/19/2010 09:13 PM
Bromoform	U		5.0	µg/L	5	12/19/2010 09:13 PM
Bromomethane	U		5.0	µg/L	5	12/19/2010 09:13 PM
Carbon disulfide	U		12	µg/L	5	12/19/2010 09:13 PM
Carbon tetrachloride	U		5.0	µg/L	5	12/19/2010 09:13 PM
Chlorobenzene	U		5.0	µg/L	5	12/19/2010 09:13 PM
Chloroethane	U		5.0	µg/L	5	12/19/2010 09:13 PM
Chloroform	U		5.0	µg/L	5	12/19/2010 09:13 PM
Chloromethane	U		5.0	µg/L	5	12/19/2010 09:13 PM
<b>cis-1,2-Dichloroethene</b>	<b>5,700</b>		<b>100</b>	<b>µg/L</b>	100	12/20/2010 03:12 PM
cis-1,3-Dichloropropene	U		5.0	µg/L	5	12/19/2010 09:13 PM
Dibromochloromethane	U		5.0	µg/L	5	12/19/2010 09:13 PM
Ethylbenzene	U		5.0	µg/L	5	12/19/2010 09:13 PM
m,p-Xylene	U		10	µg/L	5	12/19/2010 09:13 PM
Methylene chloride	U		25	µg/L	5	12/19/2010 09:13 PM
o-Xylene	U		5.0	µg/L	5	12/19/2010 09:13 PM
Styrene	U		5.0	µg/L	5	12/19/2010 09:13 PM
Tetrachloroethene	U		10	µg/L	5	12/19/2010 09:13 PM
Toluene	U		5.0	µg/L	5	12/19/2010 09:13 PM
<b>trans-1,2-Dichloroethene</b>	<b>28</b>		<b>5.0</b>	<b>µg/L</b>	5	12/19/2010 09:13 PM
trans-1,3-Dichloropropene	U		5.0	µg/L	5	12/19/2010 09:13 PM
<b>Trichloroethene</b>	<b>15</b>		<b>5.0</b>	<b>µg/L</b>	5	12/19/2010 09:13 PM
<b>Vinyl chloride</b>	<b>940</b>		<b>100</b>	<b>µg/L</b>	100	12/20/2010 03:12 PM
Xylenes, Total	U		10	µg/L	5	12/19/2010 09:13 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	100	12/20/2010 03:12 PM
Surr: 1,2-Dichloroethane-d4	96.5		70-120	%REC	5	12/19/2010 09:13 PM
Surr: 4-Bromofluorobenzene	99.0		75-120	%REC	100	12/20/2010 03:12 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-MW13-G121410**Lab ID:** 1012492-01**Collection Date:** 12/14/2010 04:25 PM**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	98.8		75-120	%REC	5	12/19/2010 09:13 PM
Surr: Dibromofluoromethane	104		85-115	%REC	100	12/20/2010 03:12 PM
Surr: Dibromofluoromethane	99.2		85-115	%REC	5	12/19/2010 09:13 PM
Surr: Toluene-d8	98.2		85-120	%REC	5	12/19/2010 09:13 PM
Surr: Toluene-d8	99.6		85-120	%REC	100	12/20/2010 03:12 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

Client: MACTEC Engineering & Consulting, Inc.

Project: Textron-TORX GW Dec. 14-16, 2010

Work Order: 1012492

Sample ID: MTR-MW24(55.4)-G121410R

Lab ID: 1012492-02

Collection Date: 12/14/2010 04:07 PM

Matrix: GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>MK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/20/2010 06:00 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/20/2010 06:00 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/20/2010 06:00 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/20/2010 06:00 AM
<b>1,1-Dichloroethene</b>	<b>0.75</b>	J	<b>1.0</b>	<b>µg/L</b>	1	12/20/2010 06:00 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/20/2010 06:00 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/20/2010 06:00 AM
2-Butanone	U		5.0	µg/L	1	12/20/2010 06:00 AM
2-Hexanone	U		5.0	µg/L	1	12/20/2010 06:00 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/20/2010 06:00 AM
Acetone	U		20	µg/L	1	12/20/2010 06:00 AM
Benzene	U		1.0	µg/L	1	12/20/2010 06:00 AM
Bromodichloromethane	U		1.0	µg/L	1	12/20/2010 06:00 AM
Bromoform	U		1.0	µg/L	1	12/20/2010 06:00 AM
Bromomethane	U		1.0	µg/L	1	12/20/2010 06:00 AM
Carbon disulfide	U		2.5	µg/L	1	12/20/2010 06:00 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/20/2010 06:00 AM
Chlorobenzene	U		1.0	µg/L	1	12/20/2010 06:00 AM
Chloroethane	U		1.0	µg/L	1	12/20/2010 06:00 AM
Chloroform	U		1.0	µg/L	1	12/20/2010 06:00 AM
Chloromethane	U		1.0	µg/L	1	12/20/2010 06:00 AM
<b>cis-1,2-Dichloroethene</b>	<b>110</b>		<b>5.0</b>	<b>µg/L</b>	5	12/20/2010 03:37 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/20/2010 06:00 AM
Dibromochloromethane	U		1.0	µg/L	1	12/20/2010 06:00 AM
Ethylbenzene	U		1.0	µg/L	1	12/20/2010 06:00 AM
m,p-Xylene	U		2.0	µg/L	1	12/20/2010 06:00 AM
Methylene chloride	U		5.0	µg/L	1	12/20/2010 06:00 AM
o-Xylene	U		1.0	µg/L	1	12/20/2010 06:00 AM
Styrene	U		1.0	µg/L	1	12/20/2010 06:00 AM
Tetrachloroethene	U		2.0	µg/L	1	12/20/2010 06:00 AM
Toluene	U		1.0	µg/L	1	12/20/2010 06:00 AM
<b>trans-1,2-Dichloroethene</b>	<b>8.3</b>		<b>1.0</b>	<b>µg/L</b>	1	12/20/2010 06:00 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/20/2010 06:00 AM
<b>Trichloroethene</b>	<b>130</b>		<b>5.0</b>	<b>µg/L</b>	5	12/20/2010 03:37 PM
<b>Vinyl chloride</b>	<b>1.2</b>		<b>1.0</b>	<b>µg/L</b>	1	12/20/2010 06:00 AM
Xylenes, Total	U		2.0	µg/L	1	12/20/2010 06:00 AM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	1	12/20/2010 06:00 AM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	5	12/20/2010 03:37 PM
Surr: 4-Bromofluorobenzene	91.2		75-120	%REC	1	12/20/2010 06:00 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW24(55.4)-G121410R

**Lab ID:** 1012492-02

**Collection Date:** 12/14/2010 04:07 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	97.4		75-120	%REC	5	12/20/2010 03:37 PM
Surr: Dibromofluoromethane	105		85-115	%REC	1	12/20/2010 06:00 AM
Surr: Dibromofluoromethane	101		85-115	%REC	5	12/20/2010 03:37 PM
Surr: Toluene-d8	101		85-120	%REC	5	12/20/2010 03:37 PM
Surr: Toluene-d8	102		85-120	%REC	1	12/20/2010 06:00 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW56(50)-G121410

**Lab ID:** 1012492-03

**Collection Date:** 12/14/2010 02:25 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 04:12 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 04:12 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 04:12 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 04:12 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 04:12 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 04:12 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 04:12 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 04:12 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 04:12 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 04:12 AM
Acetone	U		20	µg/L	1	12/19/2010 04:12 AM
Benzene	U		1.0	µg/L	1	12/19/2010 04:12 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 04:12 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 04:12 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 04:12 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 04:12 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 04:12 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 04:12 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 04:12 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 04:12 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 04:12 AM
<b>cis-1,2-Dichloroethene</b>	<b>16</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 04:12 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 04:12 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 04:12 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 04:12 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 04:12 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 04:12 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 04:12 AM
Styrene	U		1.0	µg/L	1	12/19/2010 04:12 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 04:12 AM
Toluene	U		1.0	µg/L	1	12/19/2010 04:12 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 04:12 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 04:12 AM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 04:12 AM
<b>Vinyl chloride</b>	<b>3.0</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 04:12 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 04:12 AM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	1	12/19/2010 04:12 AM
Surr: 4-Bromofluorobenzene	96.8		75-120	%REC	1	12/19/2010 04:12 AM
Surr: Dibromofluoromethane	107		85-115	%REC	1	12/19/2010 04:12 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW56(50)-G121410

**Collection Date:** 12/14/2010 02:25 PM

**Work Order:** 1012492

**Lab ID:** 1012492-03

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.5		85-120	%REC	1	12/19/2010 04:12 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW50(45)-G121410

**Lab ID:** 1012492-04

**Collection Date:** 12/14/2010 02:20 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 04:37 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 04:37 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 04:37 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 04:37 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 04:37 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 04:37 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 04:37 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 04:37 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 04:37 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 04:37 AM
Acetone	U		20	µg/L	1	12/19/2010 04:37 AM
Benzene	U		1.0	µg/L	1	12/19/2010 04:37 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 04:37 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 04:37 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 04:37 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 04:37 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 04:37 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 04:37 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 04:37 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 04:37 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 04:37 AM
<b>cis-1,2-Dichloroethene</b>	<b>4.1</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 04:37 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 04:37 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 04:37 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 04:37 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 04:37 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 04:37 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 04:37 AM
Styrene	U		1.0	µg/L	1	12/19/2010 04:37 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 04:37 AM
Toluene	U		1.0	µg/L	1	12/19/2010 04:37 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 04:37 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 04:37 AM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 04:37 AM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 04:37 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 04:37 AM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	1	12/19/2010 04:37 AM
Surr: 4-Bromofluorobenzene	97.4		75-120	%REC	1	12/19/2010 04:37 AM
Surr: Dibromofluoromethane	107		85-115	%REC	1	12/19/2010 04:37 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW50(45)-G121410

**Collection Date:** 12/14/2010 02:20 PM

**Work Order:** 1012492

**Lab ID:** 1012492-04

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.9		85-120	%REC	1	12/19/2010 04:37 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW50(80)-G121410

**Lab ID:** 1012492-05

**Collection Date:** 12/14/2010 01:55 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 05:03 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 05:03 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 05:03 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 05:03 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:03 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 05:03 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 05:03 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 05:03 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 05:03 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 05:03 AM
Acetone	U		20	µg/L	1	12/19/2010 05:03 AM
Benzene	U		1.0	µg/L	1	12/19/2010 05:03 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 05:03 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 05:03 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 05:03 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 05:03 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 05:03 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 05:03 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 05:03 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 05:03 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 05:03 AM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:03 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 05:03 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 05:03 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 05:03 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 05:03 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 05:03 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 05:03 AM
Styrene	U		1.0	µg/L	1	12/19/2010 05:03 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 05:03 AM
Toluene	U		1.0	µg/L	1	12/19/2010 05:03 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:03 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 05:03 AM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 05:03 AM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 05:03 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 05:03 AM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	1	12/19/2010 05:03 AM
Surr: 4-Bromofluorobenzene	99.1		75-120	%REC	1	12/19/2010 05:03 AM
Surr: Dibromofluoromethane	106		85-115	%REC	1	12/19/2010 05:03 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW50(80)-G121410

**Collection Date:** 12/14/2010 01:55 PM

**Work Order:** 1012492

**Lab ID:** 1012492-05

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.9		85-120	%REC	1	12/19/2010 05:03 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW30(41.1)-G121410

**Lab ID:** 1012492-06

**Collection Date:** 12/14/2010 03:12 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 05:29 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 05:29 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 05:29 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 05:29 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:29 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 05:29 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 05:29 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 05:29 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 05:29 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 05:29 AM
Acetone	U		20	µg/L	1	12/19/2010 05:29 AM
Benzene	U		1.0	µg/L	1	12/19/2010 05:29 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 05:29 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 05:29 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 05:29 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 05:29 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 05:29 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 05:29 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 05:29 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 05:29 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 05:29 AM
<b>cis-1,2-Dichloroethene</b>	<b>59</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 05:29 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 05:29 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 05:29 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 05:29 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 05:29 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 05:29 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 05:29 AM
Styrene	U		1.0	µg/L	1	12/19/2010 05:29 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 05:29 AM
Toluene	U		1.0	µg/L	1	12/19/2010 05:29 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:29 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 05:29 AM
<b>Trichloroethene</b>	<b>58</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 05:29 AM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 05:29 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 05:29 AM
Surr: 1,2-Dichloroethane-d4	106		70-120	%REC	1	12/19/2010 05:29 AM
Surr: 4-Bromofluorobenzene	97.2		75-120	%REC	1	12/19/2010 05:29 AM
Surr: Dibromofluoromethane	107		85-115	%REC	1	12/19/2010 05:29 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW30(41.1)-G121410

**Collection Date:** 12/14/2010 03:12 PM

**Work Order:** 1012492

**Lab ID:** 1012492-06

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.7		85-120	%REC	1	12/19/2010 05:29 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW50(130)-G121410

**Lab ID:** 1012492-07

**Collection Date:** 12/14/2010 01:05 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 05:56 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 05:56 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 05:56 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 05:56 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:56 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 05:56 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 05:56 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 05:56 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 05:56 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 05:56 AM
Acetone	U		20	µg/L	1	12/19/2010 05:56 AM
Benzene	U		1.0	µg/L	1	12/19/2010 05:56 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 05:56 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 05:56 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 05:56 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 05:56 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 05:56 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 05:56 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 05:56 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 05:56 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 05:56 AM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:56 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 05:56 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 05:56 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 05:56 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 05:56 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 05:56 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 05:56 AM
Styrene	U		1.0	µg/L	1	12/19/2010 05:56 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 05:56 AM
Toluene	U		1.0	µg/L	1	12/19/2010 05:56 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:56 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 05:56 AM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 05:56 AM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 05:56 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 05:56 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	1	12/19/2010 05:56 AM
Surr: 4-Bromofluorobenzene	98.7		75-120	%REC	1	12/19/2010 05:56 AM
Surr: Dibromofluoromethane	108		85-115	%REC	1	12/19/2010 05:56 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW50(130)-G121410

**Collection Date:** 12/14/2010 01:05 PM

**Work Order:** 1012492

**Lab ID:** 1012492-07

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.7		85-120	%REC	1	12/19/2010 05:56 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-EB001-121410

**Lab ID:** 1012492-08

**Collection Date:** 12/14/2010 04:25 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>MK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/20/2010 01:11 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/20/2010 01:11 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/20/2010 01:11 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/20/2010 01:11 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/20/2010 01:11 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/20/2010 01:11 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/20/2010 01:11 AM
2-Butanone	U		5.0	µg/L	1	12/20/2010 01:11 AM
2-Hexanone	U		5.0	µg/L	1	12/20/2010 01:11 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/20/2010 01:11 AM
<b>Acetone</b>	<b>2.6</b>	<b>J</b>	<b>20</b>	<b>µg/L</b>	<b>1</b>	12/20/2010 01:11 AM
Benzene	U		1.0	µg/L	1	12/20/2010 01:11 AM
Bromodichloromethane	U		1.0	µg/L	1	12/20/2010 01:11 AM
Bromoform	U		1.0	µg/L	1	12/20/2010 01:11 AM
Bromomethane	U		1.0	µg/L	1	12/20/2010 01:11 AM
Carbon disulfide	U		2.5	µg/L	1	12/20/2010 01:11 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/20/2010 01:11 AM
Chlorobenzene	U		1.0	µg/L	1	12/20/2010 01:11 AM
Chloroethane	U		1.0	µg/L	1	12/20/2010 01:11 AM
Chloroform	U		1.0	µg/L	1	12/20/2010 01:11 AM
Chloromethane	U		1.0	µg/L	1	12/20/2010 01:11 AM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/20/2010 01:11 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/20/2010 01:11 AM
Dibromochloromethane	U		1.0	µg/L	1	12/20/2010 01:11 AM
Ethylbenzene	U		1.0	µg/L	1	12/20/2010 01:11 AM
m,p-Xylene	U		2.0	µg/L	1	12/20/2010 01:11 AM
Methylene chloride	U		5.0	µg/L	1	12/20/2010 01:11 AM
o-Xylene	U		1.0	µg/L	1	12/20/2010 01:11 AM
Styrene	U		1.0	µg/L	1	12/20/2010 01:11 AM
Tetrachloroethene	U		2.0	µg/L	1	12/20/2010 01:11 AM
Toluene	U		1.0	µg/L	1	12/20/2010 01:11 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/20/2010 01:11 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/20/2010 01:11 AM
Trichloroethene	U		1.0	µg/L	1	12/20/2010 01:11 AM
Vinyl chloride	U		1.0	µg/L	1	12/20/2010 01:11 AM
Xylenes, Total	U		2.0	µg/L	1	12/20/2010 01:11 AM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/20/2010 01:11 AM
Surr: 4-Bromofluorobenzene	93.1		75-120	%REC	1	12/20/2010 01:11 AM
Surr: Dibromofluoromethane	100		85-115	%REC	1	12/20/2010 01:11 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-EB001-121410

**Collection Date:** 12/14/2010 04:25 PM

**Work Order:** 1012492

**Lab ID:** 1012492-08

**Matrix:** WATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	102		85-120	%REC	1	12/20/2010 01:11 AM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW24(55.4)-G121410

**Lab ID:** 1012492-09

**Collection Date:** 12/14/2010 04:07 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 06:22 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 06:22 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 06:22 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 06:22 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 06:22 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 06:22 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 06:22 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 06:22 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 06:22 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 06:22 AM
Acetone	U		20	µg/L	1	12/19/2010 06:22 AM
Benzene	U		1.0	µg/L	1	12/19/2010 06:22 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 06:22 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 06:22 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 06:22 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 06:22 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 06:22 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 06:22 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 06:22 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 06:22 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 06:22 AM
<b>cis-1,2-Dichloroethene</b>	<b>130</b>		<b>5.0</b>	<b>µg/L</b>	5	12/19/2010 03:36 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 06:22 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 06:22 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 06:22 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 06:22 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 06:22 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 06:22 AM
Styrene	U		1.0	µg/L	1	12/19/2010 06:22 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 06:22 AM
Toluene	U		1.0	µg/L	1	12/19/2010 06:22 AM
<b>trans-1,2-Dichloroethene</b>	<b>9.3</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 06:22 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 06:22 AM
<b>Trichloroethene</b>	<b>140</b>		<b>5.0</b>	<b>µg/L</b>	5	12/19/2010 03:36 PM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 06:22 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 06:22 AM
Surr: 1,2-Dichloroethane-d4	106		70-120	%REC	1	12/19/2010 06:22 AM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	5	12/19/2010 03:36 PM
Surr: 4-Bromofluorobenzene	98.4		75-120	%REC	1	12/19/2010 06:22 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-MW24(55.4)-G121410**Lab ID:** 1012492-09**Collection Date:** 12/14/2010 04:07 PM**Matrix:** GROUNDWATER

<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: 4-Bromofluorobenzene</i>	98.4		75-120	%REC	5	12/19/2010 03:36 PM
<i>Surr: Dibromofluoromethane</i>	109		85-115	%REC	1	12/19/2010 06:22 AM
<i>Surr: Dibromofluoromethane</i>	105		85-115	%REC	5	12/19/2010 03:36 PM
<i>Surr: Toluene-d8</i>	99.1		85-120	%REC	5	12/19/2010 03:36 PM
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/19/2010 06:22 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-EB002-121410

**Lab ID:** 1012492-10

**Collection Date:** 12/14/2010 04:35 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>MK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/20/2010 01:37 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/20/2010 01:37 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/20/2010 01:37 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/20/2010 01:37 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/20/2010 01:37 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/20/2010 01:37 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/20/2010 01:37 AM
2-Butanone	U		5.0	µg/L	1	12/20/2010 01:37 AM
2-Hexanone	U		5.0	µg/L	1	12/20/2010 01:37 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/20/2010 01:37 AM
<b>Acetone</b>	<b>2.5</b>	<b>J</b>	<b>20</b>	<b>µg/L</b>	<b>1</b>	12/20/2010 01:37 AM
Benzene	U		1.0	µg/L	1	12/20/2010 01:37 AM
Bromodichloromethane	U		1.0	µg/L	1	12/20/2010 01:37 AM
Bromoform	U		1.0	µg/L	1	12/20/2010 01:37 AM
Bromomethane	U		1.0	µg/L	1	12/20/2010 01:37 AM
Carbon disulfide	U		2.5	µg/L	1	12/20/2010 01:37 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/20/2010 01:37 AM
Chlorobenzene	U		1.0	µg/L	1	12/20/2010 01:37 AM
Chloroethane	U		1.0	µg/L	1	12/20/2010 01:37 AM
Chloroform	U		1.0	µg/L	1	12/20/2010 01:37 AM
Chloromethane	U		1.0	µg/L	1	12/20/2010 01:37 AM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/20/2010 01:37 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/20/2010 01:37 AM
Dibromochloromethane	U		1.0	µg/L	1	12/20/2010 01:37 AM
Ethylbenzene	U		1.0	µg/L	1	12/20/2010 01:37 AM
m,p-Xylene	U		2.0	µg/L	1	12/20/2010 01:37 AM
Methylene chloride	U		5.0	µg/L	1	12/20/2010 01:37 AM
o-Xylene	U		1.0	µg/L	1	12/20/2010 01:37 AM
Styrene	U		1.0	µg/L	1	12/20/2010 01:37 AM
Tetrachloroethene	U		2.0	µg/L	1	12/20/2010 01:37 AM
Toluene	U		1.0	µg/L	1	12/20/2010 01:37 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/20/2010 01:37 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/20/2010 01:37 AM
Trichloroethene	U		1.0	µg/L	1	12/20/2010 01:37 AM
Vinyl chloride	U		1.0	µg/L	1	12/20/2010 01:37 AM
Xylenes, Total	U		2.0	µg/L	1	12/20/2010 01:37 AM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	1	12/20/2010 01:37 AM
Surr: 4-Bromofluorobenzene	92.8		75-120	%REC	1	12/20/2010 01:37 AM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/20/2010 01:37 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

**Date:** 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-EB002-121410

**Lab ID:** 1012492-10

**Collection Date:** 12/14/2010 04:35 PM

**Matrix:** WATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/20/2010 01:37 AM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** Textron-TORX GW Dec. 14-16, 2010  
**Sample ID:** MTR-TB001-121410  
**Collection Date:** 12/14/2010

**Work Order:** 1012492  
**Lab ID:** 1012492-11  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>MK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/20/2010 12:45 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/20/2010 12:45 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/20/2010 12:45 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/20/2010 12:45 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/20/2010 12:45 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/20/2010 12:45 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/20/2010 12:45 PM
2-Butanone	U		5.0	µg/L	1	12/20/2010 12:45 PM
2-Hexanone	U		5.0	µg/L	1	12/20/2010 12:45 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/20/2010 12:45 PM
Acetone	U		20	µg/L	1	12/20/2010 12:45 PM
Benzene	U		1.0	µg/L	1	12/20/2010 12:45 PM
Bromodichloromethane	U		1.0	µg/L	1	12/20/2010 12:45 PM
Bromoform	U		1.0	µg/L	1	12/20/2010 12:45 PM
Bromomethane	U		1.0	µg/L	1	12/20/2010 12:45 PM
Carbon disulfide	U		2.5	µg/L	1	12/20/2010 12:45 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/20/2010 12:45 PM
Chlorobenzene	U		1.0	µg/L	1	12/20/2010 12:45 PM
Chloroethane	U		1.0	µg/L	1	12/20/2010 12:45 PM
<b>Chloroform</b>	<b>0.51</b>	<b>J</b>	<b>1.0</b>	<b>µg/L</b>	<b>1</b>	12/20/2010 12:45 PM
Chloromethane	U		1.0	µg/L	1	12/20/2010 12:45 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/20/2010 12:45 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/20/2010 12:45 PM
Dibromochloromethane	U		1.0	µg/L	1	12/20/2010 12:45 PM
Ethylbenzene	U		1.0	µg/L	1	12/20/2010 12:45 PM
m,p-Xylene	U		2.0	µg/L	1	12/20/2010 12:45 PM
<b>Methylene chloride</b>	<b>4.2</b>	<b>J</b>	<b>5.0</b>	<b>µg/L</b>	<b>1</b>	12/20/2010 12:45 PM
o-Xylene	U		1.0	µg/L	1	12/20/2010 12:45 PM
Styrene	U		1.0	µg/L	1	12/20/2010 12:45 PM
Tetrachloroethene	U		2.0	µg/L	1	12/20/2010 12:45 PM
Toluene	U		1.0	µg/L	1	12/20/2010 12:45 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/20/2010 12:45 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/20/2010 12:45 PM
Trichloroethene	U		1.0	µg/L	1	12/20/2010 12:45 PM
Vinyl chloride	U		1.0	µg/L	1	12/20/2010 12:45 PM
Xylenes, Total	U		2.0	µg/L	1	12/20/2010 12:45 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	1	12/20/2010 12:45 PM
Surr: 4-Bromofluorobenzene	91.5		75-120	%REC	1	12/20/2010 12:45 PM
Surr: Dibromofluoromethane	103		85-115	%REC	1	12/20/2010 12:45 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-TB001-121410

**Collection Date:** 12/14/2010

**Work Order:** 1012492

**Lab ID:** 1012492-11

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	102		85-120	%REC	1	12/20/2010 12:45 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-EB001-121510

**Lab ID:** 1012492-12

**Collection Date:** 12/15/2010 03:50 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 03:19 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 03:19 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 03:19 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 03:19 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:19 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 03:19 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 03:19 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 03:19 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 03:19 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 03:19 AM
Acetone	U		20	µg/L	1	12/19/2010 03:19 AM
Benzene	U		1.0	µg/L	1	12/19/2010 03:19 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 03:19 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 03:19 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 03:19 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 03:19 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 03:19 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 03:19 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 03:19 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 03:19 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 03:19 AM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:19 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 03:19 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 03:19 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 03:19 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 03:19 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 03:19 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 03:19 AM
Styrene	U		1.0	µg/L	1	12/19/2010 03:19 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 03:19 AM
Toluene	U		1.0	µg/L	1	12/19/2010 03:19 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:19 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 03:19 AM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 03:19 AM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 03:19 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 03:19 AM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	1	12/19/2010 03:19 AM
Surr: 4-Bromofluorobenzene	97.9		75-120	%REC	1	12/19/2010 03:19 AM
Surr: Dibromofluoromethane	105		85-115	%REC	1	12/19/2010 03:19 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-EB001-121510**Lab ID:** 1012492-12**Collection Date:** 12/15/2010 03:50 PM**Matrix:** WATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	101		85-120	%REC	1	12/19/2010 03:19 AM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-EB002-121510

**Lab ID:** 1012492-13

**Collection Date:** 12/15/2010 03:00 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 03:46 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 03:46 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 03:46 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 03:46 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:46 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 03:46 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 03:46 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 03:46 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 03:46 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 03:46 AM
Acetone	U		20	µg/L	1	12/19/2010 03:46 AM
Benzene	U		1.0	µg/L	1	12/19/2010 03:46 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 03:46 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 03:46 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 03:46 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 03:46 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 03:46 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 03:46 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 03:46 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 03:46 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 03:46 AM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:46 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 03:46 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 03:46 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 03:46 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 03:46 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 03:46 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 03:46 AM
Styrene	U		1.0	µg/L	1	12/19/2010 03:46 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 03:46 AM
Toluene	U		1.0	µg/L	1	12/19/2010 03:46 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:46 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 03:46 AM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 03:46 AM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 03:46 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 03:46 AM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	1	12/19/2010 03:46 AM
Surr: 4-Bromofluorobenzene	97.7		75-120	%REC	1	12/19/2010 03:46 AM
Surr: Dibromofluoromethane	106		85-115	%REC	1	12/19/2010 03:46 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

**Date:** 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-EB002-121510

**Lab ID:** 1012492-13

**Collection Date:** 12/15/2010 03:00 PM

**Matrix:** WATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	99.5		85-120	%REC	1	12/19/2010 03:46 AM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW25(82)-G121510

**Lab ID:** 1012492-14

**Collection Date:** 12/15/2010 03:10 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 10:14 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 10:14 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 10:14 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 10:14 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 10:14 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 10:14 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 10:14 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 10:14 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 10:14 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 10:14 AM
Acetone	U		20	µg/L	1	12/19/2010 10:14 AM
Benzene	U		1.0	µg/L	1	12/19/2010 10:14 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 10:14 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 10:14 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 10:14 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 10:14 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 10:14 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 10:14 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 10:14 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 10:14 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 10:14 AM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 10:14 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 10:14 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 10:14 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 10:14 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 10:14 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 10:14 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 10:14 AM
Styrene	U		1.0	µg/L	1	12/19/2010 10:14 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 10:14 AM
Toluene	U		1.0	µg/L	1	12/19/2010 10:14 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 10:14 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 10:14 AM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 10:14 AM
<b>Vinyl chloride</b>	<b>2.8</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 10:14 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 10:14 AM
Surr: 1,2-Dichloroethane-d4	108		70-120	%REC	1	12/19/2010 10:14 AM
Surr: 4-Bromofluorobenzene	98.7		75-120	%REC	1	12/19/2010 10:14 AM
Surr: Dibromofluoromethane	108		85-115	%REC	1	12/19/2010 10:14 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW25(82)-G121510

**Collection Date:** 12/15/2010 03:10 PM

**Work Order:** 1012492

**Lab ID:** 1012492-14

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	99.2		85-120	%REC	1	12/19/2010 10:14 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW25(16.4)-G121510

**Lab ID:** 1012492-15

**Collection Date:** 12/15/2010 03:09 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 10:40 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 10:40 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 10:40 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 10:40 AM
<b>1,1-Dichloroethene</b>	<b>4.5</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 10:40 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 10:40 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 10:40 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 10:40 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 10:40 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 10:40 AM
Acetone	U		20	µg/L	1	12/19/2010 10:40 AM
Benzene	U		1.0	µg/L	1	12/19/2010 10:40 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 10:40 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 10:40 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 10:40 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 10:40 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 10:40 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 10:40 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 10:40 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 10:40 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 10:40 AM
<b>cis-1,2-Dichloroethene</b>	<b>1,800</b>		<b>50</b>	<b>µg/L</b>	50	12/19/2010 06:37 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 10:40 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 10:40 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 10:40 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 10:40 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 10:40 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 10:40 AM
Styrene	U		1.0	µg/L	1	12/19/2010 10:40 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 10:40 AM
Toluene	U		1.0	µg/L	1	12/19/2010 10:40 AM
<b>trans-1,2-Dichloroethene</b>	<b>9.8</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 10:40 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 10:40 AM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 10:40 AM
<b>Vinyl chloride</b>	<b>960</b>		<b>50</b>	<b>µg/L</b>	50	12/19/2010 06:37 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 10:40 AM
Surr: 1,2-Dichloroethane-d4	106		70-120	%REC	1	12/19/2010 10:40 AM
Surr: 1,2-Dichloroethane-d4	108		70-120	%REC	50	12/19/2010 06:37 PM
Surr: 4-Bromofluorobenzene	96.1		75-120	%REC	1	12/19/2010 10:40 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW25(16.4)-G121510

**Collection Date:** 12/15/2010 03:09 PM

**Work Order:** 1012492

**Lab ID:** 1012492-15

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	98.8		75-120	%REC	50	12/19/2010 06:37 PM
Surr: Dibromofluoromethane	109		85-115	%REC	1	12/19/2010 10:40 AM
Surr: Dibromofluoromethane	106		85-115	%REC	50	12/19/2010 06:37 PM
Surr: Toluene-d8	99.0		85-120	%REC	50	12/19/2010 06:37 PM
Surr: Toluene-d8	99.6		85-120	%REC	1	12/19/2010 10:40 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW25(32.6)-G121510

**Lab ID:** 1012492-16

**Collection Date:** 12/15/2010 02:40 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 11:06 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 11:06 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 11:06 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 11:06 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 11:06 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 11:06 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 11:06 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 11:06 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 11:06 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 11:06 AM
Acetone	U		20	µg/L	1	12/19/2010 11:06 AM
Benzene	U		1.0	µg/L	1	12/19/2010 11:06 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 11:06 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 11:06 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 11:06 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 11:06 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 11:06 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 11:06 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 11:06 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 11:06 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 11:06 AM
<b>cis-1,2-Dichloroethene</b>	<b>110</b>		<b>5.0</b>	<b>µg/L</b>	5	12/19/2010 04:02 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 11:06 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 11:06 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 11:06 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 11:06 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 11:06 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 11:06 AM
Styrene	U		1.0	µg/L	1	12/19/2010 11:06 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 11:06 AM
Toluene	U		1.0	µg/L	1	12/19/2010 11:06 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 11:06 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 11:06 AM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 11:06 AM
<b>Vinyl chloride</b>	<b>110</b>		<b>5.0</b>	<b>µg/L</b>	5	12/19/2010 04:02 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 11:06 AM
Surr: 1,2-Dichloroethane-d4	108		70-120	%REC	1	12/19/2010 11:06 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	5	12/19/2010 04:02 PM
Surr: 4-Bromofluorobenzene	97.8		75-120	%REC	1	12/19/2010 11:06 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW25(32.6)-G121510

**Collection Date:** 12/15/2010 02:40 PM

**Work Order:** 1012492

**Lab ID:** 1012492-16

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	97.7		75-120	%REC	5	12/19/2010 04:02 PM
Surr: Dibromofluoromethane	108		85-115	%REC	1	12/19/2010 11:06 AM
Surr: Dibromofluoromethane	105		85-115	%REC	5	12/19/2010 04:02 PM
Surr: Toluene-d8	99.3		85-120	%REC	5	12/19/2010 04:02 PM
Surr: Toluene-d8	101		85-120	%REC	1	12/19/2010 11:06 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW27(18)-G121510

**Lab ID:** 1012492-17

**Collection Date:** 12/15/2010 01:50 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 06:47 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 06:47 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 06:47 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 06:47 AM
<b>1,1-Dichloroethene</b>	<b>2.2</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 06:47 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 06:47 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 06:47 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 06:47 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 06:47 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 06:47 AM
Acetone	U		20	µg/L	1	12/19/2010 06:47 AM
Benzene	U		1.0	µg/L	1	12/19/2010 06:47 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 06:47 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 06:47 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 06:47 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 06:47 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 06:47 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 06:47 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 06:47 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 06:47 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 06:47 AM
<b>cis-1,2-Dichloroethene</b>	<b>790</b>		<b>20</b>	<b>µg/L</b>	20	12/19/2010 05:46 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 06:47 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 06:47 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 06:47 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 06:47 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 06:47 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 06:47 AM
Styrene	U		1.0	µg/L	1	12/19/2010 06:47 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 06:47 AM
Toluene	U		1.0	µg/L	1	12/19/2010 06:47 AM
<b>trans-1,2-Dichloroethene</b>	<b>5.7</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 06:47 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 06:47 AM
<b>Trichloroethene</b>	<b>20</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 06:47 AM
<b>Vinyl chloride</b>	<b>160</b>		<b>20</b>	<b>µg/L</b>	20	12/19/2010 05:46 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 06:47 AM
Surr: 1,2-Dichloroethane-d4	106		70-120	%REC	1	12/19/2010 06:47 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	20	12/19/2010 05:46 PM
Surr: 4-Bromofluorobenzene	97.5		75-120	%REC	1	12/19/2010 06:47 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-MW27(18)-G121510**Lab ID:** 1012492-17**Collection Date:** 12/15/2010 01:50 PM**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	98.1		75-120	%REC	20	12/19/2010 05:46 PM
Surr: Dibromofluoromethane	108		85-115	%REC	1	12/19/2010 06:47 AM
Surr: Dibromofluoromethane	105		85-115	%REC	20	12/19/2010 05:46 PM
Surr: Toluene-d8	98.9		85-120	%REC	20	12/19/2010 05:46 PM
Surr: Toluene-d8	99.2		85-120	%REC	1	12/19/2010 06:47 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW27(18)-G121510R

**Lab ID:** 1012492-18

**Collection Date:** 12/15/2010 01:50 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 07:13 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 07:13 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 07:13 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 07:13 AM
<b>1,1-Dichloroethene</b>	<b>2.1</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:13 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 07:13 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 07:13 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 07:13 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 07:13 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 07:13 AM
Acetone	U		20	µg/L	1	12/19/2010 07:13 AM
Benzene	U		1.0	µg/L	1	12/19/2010 07:13 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 07:13 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 07:13 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 07:13 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 07:13 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 07:13 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 07:13 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 07:13 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 07:13 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 07:13 AM
<b>cis-1,2-Dichloroethene</b>	<b>780</b>		<b>20</b>	<b>µg/L</b>	20	12/19/2010 06:12 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 07:13 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 07:13 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 07:13 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 07:13 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 07:13 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 07:13 AM
Styrene	U		1.0	µg/L	1	12/19/2010 07:13 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 07:13 AM
Toluene	U		1.0	µg/L	1	12/19/2010 07:13 AM
<b>trans-1,2-Dichloroethene</b>	<b>5.5</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:13 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 07:13 AM
<b>Trichloroethene</b>	<b>19</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:13 AM
<b>Vinyl chloride</b>	<b>150</b>		<b>20</b>	<b>µg/L</b>	20	12/19/2010 06:12 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 07:13 AM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	1	12/19/2010 07:13 AM
Surr: 1,2-Dichloroethane-d4	109		70-120	%REC	20	12/19/2010 06:12 PM
Surr: 4-Bromofluorobenzene	97.2		75-120	%REC	1	12/19/2010 07:13 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW27(18)-G121510R

**Collection Date:** 12/15/2010 01:50 PM

**Work Order:** 1012492

**Lab ID:** 1012492-18

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	99.7		75-120	%REC	20	12/19/2010 06:12 PM
Surr: Dibromofluoromethane	108		85-115	%REC	1	12/19/2010 07:13 AM
Surr: Dibromofluoromethane	105		85-115	%REC	20	12/19/2010 06:12 PM
Surr: Toluene-d8	99.7		85-120	%REC	20	12/19/2010 06:12 PM
Surr: Toluene-d8	100		85-120	%REC	1	12/19/2010 07:13 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW15-G121510

**Lab ID:** 1012492-19

**Collection Date:** 12/15/2010 01:57 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 08:20 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 08:20 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 08:20 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 08:20 PM
<b>1,1-Dichloroethene</b>	<b>15</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 08:20 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 08:20 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 08:20 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 08:20 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 08:20 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 08:20 PM
Acetone	U		20	µg/L	1	12/19/2010 08:20 PM
Benzene	U		1.0	µg/L	1	12/19/2010 08:20 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 08:20 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 08:20 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 08:20 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 08:20 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 08:20 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 08:20 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 08:20 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 08:20 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 08:20 PM
<b>cis-1,2-Dichloroethene</b>	<b>3,000</b>		<b>50</b>	<b>µg/L</b>	50	12/21/2010 11:39 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 08:20 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 08:20 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 08:20 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 08:20 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 08:20 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 08:20 PM
Styrene	U		1.0	µg/L	1	12/19/2010 08:20 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 08:20 PM
Toluene	U		1.0	µg/L	1	12/19/2010 08:20 PM
<b>trans-1,2-Dichloroethene</b>	<b>64</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 08:20 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 08:20 PM
<b>Trichloroethene</b>	<b>37</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 08:20 PM
<b>Vinyl chloride</b>	<b>560</b>		<b>50</b>	<b>µg/L</b>	50	12/21/2010 11:39 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 08:20 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	50	12/21/2010 11:39 AM
Surr: 1,2-Dichloroethane-d4	98.8		70-120	%REC	1	12/19/2010 08:20 PM
Surr: 4-Bromofluorobenzene	98.2		75-120	%REC	50	12/21/2010 11:39 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW15-G121510

**Collection Date:** 12/15/2010 01:57 PM

**Work Order:** 1012492

**Lab ID:** 1012492-19

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	97.1		75-120	%REC	1	12/19/2010 08:20 PM
Surr: Dibromofluoromethane	102		85-115	%REC	50	12/21/2010 11:39 AM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/19/2010 08:20 PM
Surr: Toluene-d8	97.8		85-120	%REC	1	12/19/2010 08:20 PM
Surr: Toluene-d8	99.8		85-120	%REC	50	12/21/2010 11:39 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW27(104.2)-G121510

**Lab ID:** 1012492-20

**Collection Date:** 12/15/2010 11:35 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 08:05 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 08:05 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 08:05 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 08:05 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 08:05 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 08:05 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 08:05 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 08:05 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 08:05 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 08:05 AM
Acetone	U		20	µg/L	1	12/19/2010 08:05 AM
Benzene	U		1.0	µg/L	1	12/19/2010 08:05 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 08:05 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 08:05 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 08:05 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 08:05 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 08:05 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 08:05 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 08:05 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 08:05 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 08:05 AM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 08:05 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 08:05 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 08:05 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 08:05 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 08:05 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 08:05 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 08:05 AM
Styrene	U		1.0	µg/L	1	12/19/2010 08:05 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 08:05 AM
Toluene	U		1.0	µg/L	1	12/19/2010 08:05 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 08:05 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 08:05 AM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 08:05 AM
<b>Vinyl chloride</b>	<b>4.4</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 08:05 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 08:05 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	1	12/19/2010 08:05 AM
Surr: 4-Bromofluorobenzene	97.7		75-120	%REC	1	12/19/2010 08:05 AM
Surr: Dibromofluoromethane	107		85-115	%REC	1	12/19/2010 08:05 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW27(104.2)-G121510

**Collection Date:** 12/15/2010 11:35 AM

**Work Order:** 1012492

**Lab ID:** 1012492-20

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.6		85-120	%REC	1	12/19/2010 08:05 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW27(75.4)-G121510

**Lab ID:** 1012492-21

**Collection Date:** 12/15/2010 12:30 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 07:39 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 07:39 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 07:39 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 07:39 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 07:39 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 07:39 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 07:39 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 07:39 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 07:39 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 07:39 AM
Acetone	U		20	µg/L	1	12/19/2010 07:39 AM
Benzene	U		1.0	µg/L	1	12/19/2010 07:39 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 07:39 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 07:39 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 07:39 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 07:39 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 07:39 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 07:39 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 07:39 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 07:39 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 07:39 AM
<b>cis-1,2-Dichloroethene</b>	<b>30</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:39 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 07:39 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 07:39 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 07:39 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 07:39 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 07:39 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 07:39 AM
Styrene	U		1.0	µg/L	1	12/19/2010 07:39 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 07:39 AM
Toluene	U		1.0	µg/L	1	12/19/2010 07:39 AM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 07:39 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 07:39 AM
<b>Trichloroethene</b>	<b>29</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:39 AM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 07:39 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 07:39 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	1	12/19/2010 07:39 AM
Surr: 4-Bromofluorobenzene	98.1		75-120	%REC	1	12/19/2010 07:39 AM
Surr: Dibromofluoromethane	107		85-115	%REC	1	12/19/2010 07:39 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW27(75.4)-G121510

**Collection Date:** 12/15/2010 12:30 PM

**Work Order:** 1012492

**Lab ID:** 1012492-21

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.5		85-120	%REC	1	12/19/2010 07:39 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW16-G121510

**Lab ID:** 1012492-22

**Collection Date:** 12/15/2010 10:54 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 09:48 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 09:48 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 09:48 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 09:48 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 09:48 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 09:48 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 09:48 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 09:48 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 09:48 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 09:48 AM
Acetone	U		20	µg/L	1	12/19/2010 09:48 AM
Benzene	U		1.0	µg/L	1	12/19/2010 09:48 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 09:48 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 09:48 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 09:48 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 09:48 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 09:48 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 09:48 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 09:48 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 09:48 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 09:48 AM
<b>cis-1,2-Dichloroethene</b>	<b>270</b>		<b>10</b>	<b>µg/L</b>	<b>10</b>	12/19/2010 05:20 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 09:48 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 09:48 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 09:48 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 09:48 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 09:48 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 09:48 AM
Styrene	U		1.0	µg/L	1	12/19/2010 09:48 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 09:48 AM
Toluene	U		1.0	µg/L	1	12/19/2010 09:48 AM
<b>trans-1,2-Dichloroethene</b>	<b>8.4</b>		<b>1.0</b>	<b>µg/L</b>	<b>1</b>	12/19/2010 09:48 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 09:48 AM
<b>Trichloroethene</b>	<b>45</b>		<b>1.0</b>	<b>µg/L</b>	<b>1</b>	12/19/2010 09:48 AM
<b>Vinyl chloride</b>	<b>100</b>		<b>10</b>	<b>µg/L</b>	<b>10</b>	12/19/2010 05:20 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 09:48 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	1	12/19/2010 09:48 AM
Surr: 1,2-Dichloroethane-d4	108		70-120	%REC	10	12/19/2010 05:20 PM
Surr: 4-Bromofluorobenzene	96.9		75-120	%REC	1	12/19/2010 09:48 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-MW16-G121510**Lab ID:** 1012492-22**Collection Date:** 12/15/2010 10:54 AM**Matrix:** GROUNDWATER

<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: 4-Bromofluorobenzene</i>	98.1		75-120	%REC	10	12/19/2010 05:20 PM
<i>Surr: Dibromofluoromethane</i>	107		85-115	%REC	1	12/19/2010 09:48 AM
<i>Surr: Dibromofluoromethane</i>	105		85-115	%REC	10	12/19/2010 05:20 PM
<i>Surr: Toluene-d8</i>	98.5		85-120	%REC	10	12/19/2010 05:20 PM
<i>Surr: Toluene-d8</i>	100		85-120	%REC	1	12/19/2010 09:48 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW14-G121510

**Lab ID:** 1012492-23

**Collection Date:** 12/15/2010 09:45 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 09:23 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 09:23 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 09:23 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 09:23 AM
<b>1,1-Dichloroethene</b>	<b>2.3</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 09:23 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 09:23 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 09:23 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 09:23 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 09:23 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 09:23 AM
Acetone	U		20	µg/L	1	12/19/2010 09:23 AM
Benzene	U		1.0	µg/L	1	12/19/2010 09:23 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 09:23 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 09:23 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 09:23 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 09:23 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 09:23 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 09:23 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 09:23 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 09:23 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 09:23 AM
<b>cis-1,2-Dichloroethene</b>	<b>100</b>		<b>10</b>	<b>µg/L</b>	10	12/19/2010 04:54 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 09:23 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 09:23 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 09:23 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 09:23 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 09:23 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 09:23 AM
Styrene	U		1.0	µg/L	1	12/19/2010 09:23 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 09:23 AM
Toluene	U		1.0	µg/L	1	12/19/2010 09:23 AM
<b>trans-1,2-Dichloroethene</b>	<b>3.4</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 09:23 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 09:23 AM
<b>Trichloroethene</b>	<b>510</b>		<b>10</b>	<b>µg/L</b>	10	12/19/2010 04:54 PM
<b>Vinyl chloride</b>	<b>5.9</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 09:23 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 09:23 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	1	12/19/2010 09:23 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	10	12/19/2010 04:54 PM
Surr: 4-Bromofluorobenzene	96.6		75-120	%REC	1	12/19/2010 09:23 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-MW14-G121510**Lab ID:** 1012492-23**Collection Date:** 12/15/2010 09:45 AM**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	99.0		75-120	%REC	10	12/19/2010 04:54 PM
Surr: Dibromofluoromethane	109		85-115	%REC	1	12/19/2010 09:23 AM
Surr: Dibromofluoromethane	105		85-115	%REC	10	12/19/2010 04:54 PM
Surr: Toluene-d8	99.8		85-120	%REC	10	12/19/2010 04:54 PM
Surr: Toluene-d8	99.9		85-120	%REC	1	12/19/2010 09:23 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW17-G121510

**Lab ID:** 1012492-24

**Collection Date:** 12/15/2010 10:20 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 08:57 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 08:57 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 08:57 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 08:57 AM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 08:57 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 08:57 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 08:57 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 08:57 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 08:57 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 08:57 AM
Acetone	U		20	µg/L	1	12/19/2010 08:57 AM
Benzene	U		1.0	µg/L	1	12/19/2010 08:57 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 08:57 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 08:57 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 08:57 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 08:57 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 08:57 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 08:57 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 08:57 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 08:57 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 08:57 AM
<b>cis-1,2-Dichloroethene</b>	<b>96</b>		<b>10</b>	<b>µg/L</b>	<b>10</b>	12/19/2010 04:28 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 08:57 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 08:57 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 08:57 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 08:57 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 08:57 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 08:57 AM
Styrene	U		1.0	µg/L	1	12/19/2010 08:57 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 08:57 AM
Toluene	U		1.0	µg/L	1	12/19/2010 08:57 AM
<b>trans-1,2-Dichloroethene</b>	<b>3.3</b>		<b>1.0</b>	<b>µg/L</b>	<b>1</b>	12/19/2010 08:57 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 08:57 AM
<b>Trichloroethene</b>	<b>300</b>		<b>10</b>	<b>µg/L</b>	<b>10</b>	12/19/2010 04:28 PM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 08:57 AM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 08:57 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	1	12/19/2010 08:57 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	10	12/19/2010 04:28 PM
Surr: 4-Bromofluorobenzene	98.3		75-120	%REC	1	12/19/2010 08:57 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-MW17-G121510**Lab ID:** 1012492-24**Collection Date:** 12/15/2010 10:20 AM**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	99.2		75-120	%REC	10	12/19/2010 04:28 PM
Surr: Dibromofluoromethane	108		85-115	%REC	1	12/19/2010 08:57 AM
Surr: Dibromofluoromethane	105		85-115	%REC	10	12/19/2010 04:28 PM
Surr: Toluene-d8	99.1		85-120	%REC	10	12/19/2010 04:28 PM
Surr: Toluene-d8	101		85-120	%REC	1	12/19/2010 08:57 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW26(17.5)-G121510

**Lab ID:** 1012492-25

**Collection Date:** 12/15/2010 12:16 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 08:31 AM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 08:31 AM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 08:31 AM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 08:31 AM
<b>1,1-Dichloroethene</b>	<b>3.0</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 08:31 AM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 08:31 AM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 08:31 AM
2-Butanone	U		5.0	µg/L	1	12/19/2010 08:31 AM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 08:31 AM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 08:31 AM
Acetone	U		20	µg/L	1	12/19/2010 08:31 AM
Benzene	U		1.0	µg/L	1	12/19/2010 08:31 AM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 08:31 AM
Bromoform	U		1.0	µg/L	1	12/19/2010 08:31 AM
Bromomethane	U		1.0	µg/L	1	12/19/2010 08:31 AM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 08:31 AM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 08:31 AM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 08:31 AM
Chloroethane	U		1.0	µg/L	1	12/19/2010 08:31 AM
Chloroform	U		1.0	µg/L	1	12/19/2010 08:31 AM
Chloromethane	U		1.0	µg/L	1	12/19/2010 08:31 AM
<b>cis-1,2-Dichloroethene</b>	<b>1,900</b>		<b>50</b>	<b>µg/L</b>	50	12/19/2010 07:03 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 08:31 AM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 08:31 AM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 08:31 AM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 08:31 AM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 08:31 AM
o-Xylene	U		1.0	µg/L	1	12/19/2010 08:31 AM
Styrene	U		1.0	µg/L	1	12/19/2010 08:31 AM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 08:31 AM
Toluene	U		1.0	µg/L	1	12/19/2010 08:31 AM
<b>trans-1,2-Dichloroethene</b>	<b>16</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 08:31 AM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 08:31 AM
<b>Trichloroethene</b>	<b>5.9</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 08:31 AM
<b>Vinyl chloride</b>	<b>440</b>		<b>50</b>	<b>µg/L</b>	50	12/19/2010 07:03 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 08:31 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	1	12/19/2010 08:31 AM
Surr: 1,2-Dichloroethane-d4	107		70-120	%REC	50	12/19/2010 07:03 PM
Surr: 4-Bromofluorobenzene	98.6		75-120	%REC	1	12/19/2010 08:31 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-MW26(17.5)-G121510**Lab ID:** 1012492-25**Collection Date:** 12/15/2010 12:16 PM**Matrix:** GROUNDWATER

<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: 4-Bromofluorobenzene</i>	99.0		75-120	%REC	50	12/19/2010 07:03 PM
<i>Surr: Dibromofluoromethane</i>	108		85-115	%REC	1	12/19/2010 08:31 AM
<i>Surr: Dibromofluoromethane</i>	107		85-115	%REC	50	12/19/2010 07:03 PM
<i>Surr: Toluene-d8</i>	98.5		85-120	%REC	50	12/19/2010 07:03 PM
<i>Surr: Toluene-d8</i>	100		85-120	%REC	1	12/19/2010 08:31 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW26(58.2)-G121510

**Lab ID:** 1012492-26

**Collection Date:** 12/15/2010 11:47 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 02:40 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 02:40 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 02:40 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 02:40 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 02:40 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 02:40 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 02:40 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 02:40 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 02:40 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 02:40 PM
Acetone	U		20	µg/L	1	12/19/2010 02:40 PM
Benzene	U		1.0	µg/L	1	12/19/2010 02:40 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 02:40 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 02:40 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 02:40 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 02:40 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 02:40 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 02:40 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 02:40 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 02:40 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 02:40 PM
<b>cis-1,2-Dichloroethene</b>	<b>3.1</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 02:40 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 02:40 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 02:40 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 02:40 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 02:40 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 02:40 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 02:40 PM
Styrene	U		1.0	µg/L	1	12/19/2010 02:40 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 02:40 PM
Toluene	U		1.0	µg/L	1	12/19/2010 02:40 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 02:40 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 02:40 PM
<b>Trichloroethene</b>	<b>1.9</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 02:40 PM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 02:40 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 02:40 PM
Surr: 1,2-Dichloroethane-d4	96.1		70-120	%REC	1	12/19/2010 02:40 PM
Surr: 4-Bromofluorobenzene	98.8		75-120	%REC	1	12/19/2010 02:40 PM
Surr: Dibromofluoromethane	99.4		85-115	%REC	1	12/19/2010 02:40 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

**Date:** 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW26(58.2)-G121510

**Collection Date:** 12/15/2010 11:47 AM

**Work Order:** 1012492

**Lab ID:** 1012492-26

**Matrix:** GROUNDWATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	99.5		85-120	%REC	1	12/19/2010 02:40 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-4377NOHWY31-G121510

**Lab ID:** 1012492-27

**Collection Date:** 12/15/2010 04:05 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 10:32 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 10:32 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 10:32 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 10:32 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 10:32 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 10:32 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 10:32 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 10:32 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 10:32 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 10:32 PM
Acetone	U		20	µg/L	1	12/19/2010 10:32 PM
Benzene	U		1.0	µg/L	1	12/19/2010 10:32 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 10:32 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 10:32 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 10:32 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 10:32 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 10:32 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 10:32 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 10:32 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 10:32 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 10:32 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 10:32 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 10:32 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 10:32 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 10:32 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 10:32 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 10:32 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 10:32 PM
Styrene	U		1.0	µg/L	1	12/19/2010 10:32 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 10:32 PM
Toluene	U		1.0	µg/L	1	12/19/2010 10:32 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 10:32 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 10:32 PM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 10:32 PM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 10:32 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 10:32 PM
Surr: 1,2-Dichloroethane-d4	108		70-120	%REC	1	12/19/2010 10:32 PM
Surr: 4-Bromofluorobenzene	98.2		75-120	%REC	1	12/19/2010 10:32 PM
Surr: Dibromofluoromethane	108		85-115	%REC	1	12/19/2010 10:32 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-4377NOHWY31-G121510

**Collection Date:** 12/15/2010 04:05 PM

**Work Order:** 1012492

**Lab ID:** 1012492-27

**Matrix:** GROUNDWATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.7		85-120	%REC	1	12/19/2010 10:32 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW27(53.05)-G121510

**Lab ID:** 1012492-28

**Collection Date:** 12/15/2010 01:15 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 03:07 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 03:07 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 03:07 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 03:07 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:07 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 03:07 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 03:07 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 03:07 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 03:07 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 03:07 PM
Acetone	U		20	µg/L	1	12/19/2010 03:07 PM
Benzene	U		1.0	µg/L	1	12/19/2010 03:07 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 03:07 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 03:07 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 03:07 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 03:07 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 03:07 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 03:07 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 03:07 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 03:07 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 03:07 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:07 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 03:07 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 03:07 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 03:07 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 03:07 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 03:07 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 03:07 PM
Styrene	U		1.0	µg/L	1	12/19/2010 03:07 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 03:07 PM
Toluene	U		1.0	µg/L	1	12/19/2010 03:07 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:07 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 03:07 PM
<b>Trichloroethene</b>	<b>12</b>		<b>1.0</b>	<b>µg/L</b>	<b>1</b>	12/19/2010 03:07 PM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 03:07 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 03:07 PM
Surr: 1,2-Dichloroethane-d4	95.3		70-120	%REC	1	12/19/2010 03:07 PM
Surr: 4-Bromofluorobenzene	99.3		75-120	%REC	1	12/19/2010 03:07 PM
Surr: Dibromofluoromethane	98.7		85-115	%REC	1	12/19/2010 03:07 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW27(53.05)-G121510

**Collection Date:** 12/15/2010 01:15 PM

**Work Order:** 1012492

**Lab ID:** 1012492-28

**Matrix:** GROUNDWATER

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Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	99.0		85-120	%REC	1	12/19/2010 03:07 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW20(35)-G121610

**Lab ID:** 1012492-29

**Collection Date:** 12/16/2010 12:42 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		5.0	µg/L	5	12/19/2010 09:39 PM
1,1,2,2-Tetrachloroethane	U		5.0	µg/L	5	12/19/2010 09:39 PM
1,1,2-Trichloroethane	U		5.0	µg/L	5	12/19/2010 09:39 PM
1,1-Dichloroethane	U		5.0	µg/L	5	12/19/2010 09:39 PM
1,1-Dichloroethene	U		5.0	µg/L	5	12/19/2010 09:39 PM
1,2-Dichloroethane	U		5.0	µg/L	5	12/19/2010 09:39 PM
1,2-Dichloropropane	U		10	µg/L	5	12/19/2010 09:39 PM
2-Butanone	U		25	µg/L	5	12/19/2010 09:39 PM
2-Hexanone	U		25	µg/L	5	12/19/2010 09:39 PM
4-Methyl-2-pentanone	U		25	µg/L	5	12/19/2010 09:39 PM
Acetone	U		100	µg/L	5	12/19/2010 09:39 PM
Benzene	U		5.0	µg/L	5	12/19/2010 09:39 PM
Bromodichloromethane	U		5.0	µg/L	5	12/19/2010 09:39 PM
Bromoform	U		5.0	µg/L	5	12/19/2010 09:39 PM
Bromomethane	U		5.0	µg/L	5	12/19/2010 09:39 PM
Carbon disulfide	U		12	µg/L	5	12/19/2010 09:39 PM
Carbon tetrachloride	U		5.0	µg/L	5	12/19/2010 09:39 PM
Chlorobenzene	U		5.0	µg/L	5	12/19/2010 09:39 PM
Chloroethane	U		5.0	µg/L	5	12/19/2010 09:39 PM
Chloroform	U		5.0	µg/L	5	12/19/2010 09:39 PM
Chloromethane	U		5.0	µg/L	5	12/19/2010 09:39 PM
<b>cis-1,2-Dichloroethene</b>	<b>2,200</b>		<b>50</b>	<b>µg/L</b>	50	12/21/2010 01:21 PM
cis-1,3-Dichloropropene	U		5.0	µg/L	5	12/19/2010 09:39 PM
Dibromochloromethane	U		5.0	µg/L	5	12/19/2010 09:39 PM
Ethylbenzene	U		5.0	µg/L	5	12/19/2010 09:39 PM
m,p-Xylene	U		10	µg/L	5	12/19/2010 09:39 PM
Methylene chloride	U		25	µg/L	5	12/19/2010 09:39 PM
o-Xylene	U		5.0	µg/L	5	12/19/2010 09:39 PM
Styrene	U		5.0	µg/L	5	12/19/2010 09:39 PM
Tetrachloroethene	U		10	µg/L	5	12/19/2010 09:39 PM
Toluene	U		5.0	µg/L	5	12/19/2010 09:39 PM
<b>trans-1,2-Dichloroethene</b>	<b>10</b>		<b>5.0</b>	<b>µg/L</b>	5	12/19/2010 09:39 PM
trans-1,3-Dichloropropene	U		5.0	µg/L	5	12/19/2010 09:39 PM
<b>Trichloroethene</b>	<b>10</b>		<b>5.0</b>	<b>µg/L</b>	5	12/19/2010 09:39 PM
<b>Vinyl chloride</b>	<b>1,300</b>		<b>50</b>	<b>µg/L</b>	50	12/21/2010 01:21 PM
Xylenes, Total	U		10	µg/L	5	12/19/2010 09:39 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	50	12/21/2010 01:21 PM
Surr: 1,2-Dichloroethane-d4	95.7		70-120	%REC	5	12/19/2010 09:39 PM
Surr: 4-Bromofluorobenzene	97.6		75-120	%REC	50	12/21/2010 01:21 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-MW20(35)-G121610**Lab ID:** 1012492-29**Collection Date:** 12/16/2010 12:42 PM**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	98.3		75-120	%REC	5	12/19/2010 09:39 PM
Surr: Dibromofluoromethane	104		85-115	%REC	50	12/21/2010 01:21 PM
Surr: Dibromofluoromethane	98.9		85-115	%REC	5	12/19/2010 09:39 PM
Surr: Toluene-d8	97.5		85-120	%REC	5	12/19/2010 09:39 PM
Surr: Toluene-d8	99.2		85-120	%REC	50	12/21/2010 01:21 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW20(51)-G121610

**Lab ID:** 1012492-30

**Collection Date:** 12/16/2010 11:58 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 03:33 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 03:33 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 03:33 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 03:33 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:33 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 03:33 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 03:33 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 03:33 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 03:33 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 03:33 PM
Acetone	U		20	µg/L	1	12/19/2010 03:33 PM
Benzene	U		1.0	µg/L	1	12/19/2010 03:33 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 03:33 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 03:33 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 03:33 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 03:33 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 03:33 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 03:33 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 03:33 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 03:33 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 03:33 PM
<b>cis-1,2-Dichloroethene</b>	<b>59</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 03:33 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 03:33 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 03:33 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 03:33 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 03:33 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 03:33 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 03:33 PM
Styrene	U		1.0	µg/L	1	12/19/2010 03:33 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 03:33 PM
Toluene	U		1.0	µg/L	1	12/19/2010 03:33 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:33 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 03:33 PM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 03:33 PM
<b>Vinyl chloride</b>	<b>680</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 04:28 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 03:33 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	20	12/20/2010 04:28 PM
Surr: 1,2-Dichloroethane-d4	96.0		70-120	%REC	1	12/19/2010 03:33 PM
Surr: 4-Bromofluorobenzene	97.8		75-120	%REC	20	12/20/2010 04:28 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW20(51)-G121610

**Collection Date:** 12/16/2010 11:58 AM

**Work Order:** 1012492

**Lab ID:** 1012492-30

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	99.4		75-120	%REC	1	12/19/2010 03:33 PM
Surr: Dibromofluoromethane	102		85-115	%REC	20	12/20/2010 04:28 PM
Surr: Dibromofluoromethane	98.6		85-115	%REC	1	12/19/2010 03:33 PM
Surr: Toluene-d8	98.4		85-120	%REC	1	12/19/2010 03:33 PM
Surr: Toluene-d8	99.2		85-120	%REC	20	12/20/2010 04:28 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW20(51)-G121610R

**Lab ID:** 1012492-31

**Collection Date:** 12/16/2010 11:58 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 03:59 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 03:59 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 03:59 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 03:59 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:59 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 03:59 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 03:59 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 03:59 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 03:59 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 03:59 PM
Acetone	U		20	µg/L	1	12/19/2010 03:59 PM
Benzene	U		1.0	µg/L	1	12/19/2010 03:59 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 03:59 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 03:59 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 03:59 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 03:59 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 03:59 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 03:59 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 03:59 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 03:59 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 03:59 PM
<b>cis-1,2-Dichloroethene</b>	<b>56</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 03:59 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 03:59 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 03:59 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 03:59 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 03:59 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 03:59 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 03:59 PM
Styrene	U		1.0	µg/L	1	12/19/2010 03:59 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 03:59 PM
Toluene	U		1.0	µg/L	1	12/19/2010 03:59 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 03:59 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 03:59 PM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 03:59 PM
<b>Vinyl chloride</b>	<b>670</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 04:53 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 03:59 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	20	12/20/2010 04:53 PM
Surr: 1,2-Dichloroethane-d4	95.1		70-120	%REC	1	12/19/2010 03:59 PM
Surr: 4-Bromofluorobenzene	97.4		75-120	%REC	20	12/20/2010 04:53 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW20(51)-G121610R

**Collection Date:** 12/16/2010 11:58 AM

**Work Order:** 1012492

**Lab ID:** 1012492-31

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	99.1		75-120	%REC	1	12/19/2010 03:59 PM
Surr: Dibromofluoromethane	100		85-115	%REC	20	12/20/2010 04:53 PM
Surr: Dibromofluoromethane	98.7		85-115	%REC	1	12/19/2010 03:59 PM
Surr: Toluene-d8	99.2		85-120	%REC	1	12/19/2010 03:59 PM
Surr: Toluene-d8	99.7		85-120	%REC	20	12/20/2010 04:53 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW20(124)-G121610

**Lab ID:** 1012492-32

**Collection Date:** 12/16/2010 11:10 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 04:23 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 04:23 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 04:23 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 04:23 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 04:23 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 04:23 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 04:23 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 04:23 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 04:23 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 04:23 PM
Acetone	U		20	µg/L	1	12/19/2010 04:23 PM
Benzene	U		1.0	µg/L	1	12/19/2010 04:23 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 04:23 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 04:23 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 04:23 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 04:23 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 04:23 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 04:23 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 04:23 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 04:23 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 04:23 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 04:23 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 04:23 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 04:23 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 04:23 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 04:23 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 04:23 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 04:23 PM
Styrene	U		1.0	µg/L	1	12/19/2010 04:23 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 04:23 PM
Toluene	U		1.0	µg/L	1	12/19/2010 04:23 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 04:23 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 04:23 PM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 04:23 PM
<b>Vinyl chloride</b>	<b>4.0</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 04:23 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 04:23 PM
Surr: 1,2-Dichloroethane-d4	95.5		70-120	%REC	1	12/19/2010 04:23 PM
Surr: 4-Bromofluorobenzene	99.6		75-120	%REC	1	12/19/2010 04:23 PM
Surr: Dibromofluoromethane	97.5		85-115	%REC	1	12/19/2010 04:23 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW20(124)-G121610

**Collection Date:** 12/16/2010 11:10 AM

**Work Order:** 1012492

**Lab ID:** 1012492-32

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	97.0		85-120	%REC	1	12/19/2010 04:23 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW20(155)-G121610

**Lab ID:** 1012492-33

**Collection Date:** 12/16/2010 10:05 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 05:42 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 05:42 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 05:42 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 05:42 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:42 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 05:42 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 05:42 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 05:42 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 05:42 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 05:42 PM
Acetone	U		20	µg/L	1	12/19/2010 05:42 PM
Benzene	U		1.0	µg/L	1	12/19/2010 05:42 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 05:42 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 05:42 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 05:42 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 05:42 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 05:42 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 05:42 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 05:42 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 05:42 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 05:42 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:42 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 05:42 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 05:42 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 05:42 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 05:42 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 05:42 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 05:42 PM
Styrene	U		1.0	µg/L	1	12/19/2010 05:42 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 05:42 PM
Toluene	U		1.0	µg/L	1	12/19/2010 05:42 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:42 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 05:42 PM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 05:42 PM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 05:42 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 05:42 PM
Surr: 1,2-Dichloroethane-d4	94.9		70-120	%REC	1	12/19/2010 05:42 PM
Surr: 4-Bromofluorobenzene	99.4		75-120	%REC	1	12/19/2010 05:42 PM
Surr: Dibromofluoromethane	97.9		85-115	%REC	1	12/19/2010 05:42 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW20(155)-G121610

**Collection Date:** 12/16/2010 10:05 AM

**Work Order:** 1012492

**Lab ID:** 1012492-33

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	96.8		85-120	%REC	1	12/19/2010 05:42 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW6C-G121610

**Lab ID:** 1012492-34

**Collection Date:** 12/16/2010 10:44 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		10	µg/L	10	12/19/2010 10:06 PM
1,1,2,2-Tetrachloroethane	U		10	µg/L	10	12/19/2010 10:06 PM
1,1,2-Trichloroethane	U		10	µg/L	10	12/19/2010 10:06 PM
1,1-Dichloroethane	U		10	µg/L	10	12/19/2010 10:06 PM
1,1-Dichloroethene	U		10	µg/L	10	12/19/2010 10:06 PM
1,2-Dichloroethane	U		10	µg/L	10	12/19/2010 10:06 PM
1,2-Dichloropropane	U		20	µg/L	10	12/19/2010 10:06 PM
2-Butanone	U		50	µg/L	10	12/19/2010 10:06 PM
2-Hexanone	U		50	µg/L	10	12/19/2010 10:06 PM
4-Methyl-2-pentanone	U		50	µg/L	10	12/19/2010 10:06 PM
Acetone	U		200	µg/L	10	12/19/2010 10:06 PM
Benzene	U		10	µg/L	10	12/19/2010 10:06 PM
Bromodichloromethane	U		10	µg/L	10	12/19/2010 10:06 PM
Bromoform	U		10	µg/L	10	12/19/2010 10:06 PM
Bromomethane	U		10	µg/L	10	12/19/2010 10:06 PM
Carbon disulfide	U		25	µg/L	10	12/19/2010 10:06 PM
<b>Carbon tetrachloride</b>	<b>32</b>		<b>10</b>	<b>µg/L</b>	10	12/19/2010 10:06 PM
Chlorobenzene	U		10	µg/L	10	12/19/2010 10:06 PM
Chloroethane	U		10	µg/L	10	12/19/2010 10:06 PM
Chloroform	U		10	µg/L	10	12/19/2010 10:06 PM
Chloromethane	U		10	µg/L	10	12/19/2010 10:06 PM
<b>cis-1,2-Dichloroethene</b>	<b>7,700</b>		<b>200</b>	<b>µg/L</b>	200	12/21/2010 12:55 PM
cis-1,3-Dichloropropene	U		10	µg/L	10	12/19/2010 10:06 PM
Dibromochloromethane	U		10	µg/L	10	12/19/2010 10:06 PM
Ethylbenzene	U		10	µg/L	10	12/19/2010 10:06 PM
m,p-Xylene	U		20	µg/L	10	12/19/2010 10:06 PM
Methylene chloride	U		50	µg/L	10	12/19/2010 10:06 PM
o-Xylene	U		10	µg/L	10	12/19/2010 10:06 PM
Styrene	U		10	µg/L	10	12/19/2010 10:06 PM
Tetrachloroethene	U		20	µg/L	10	12/19/2010 10:06 PM
Toluene	U		10	µg/L	10	12/19/2010 10:06 PM
<b>trans-1,2-Dichloroethene</b>	<b>42</b>		<b>10</b>	<b>µg/L</b>	10	12/19/2010 10:06 PM
trans-1,3-Dichloropropene	U		10	µg/L	10	12/19/2010 10:06 PM
<b>Trichloroethene</b>	<b>18</b>		<b>10</b>	<b>µg/L</b>	10	12/19/2010 10:06 PM
<b>Vinyl chloride</b>	<b>1,000</b>		<b>10</b>	<b>µg/L</b>	10	12/19/2010 10:06 PM
Xylenes, Total	U		20	µg/L	10	12/19/2010 10:06 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	200	12/21/2010 12:55 PM
Surr: 1,2-Dichloroethane-d4	94.6		70-120	%REC	10	12/19/2010 10:06 PM
Surr: 4-Bromofluorobenzene	97.6		75-120	%REC	200	12/21/2010 12:55 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW6C-G121610

**Collection Date:** 12/16/2010 10:44 AM

**Work Order:** 1012492

**Lab ID:** 1012492-34

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	99.4		75-120	%REC	10	12/19/2010 10:06 PM
Surr: Dibromofluoromethane	103		85-115	%REC	200	12/21/2010 12:55 PM
Surr: Dibromofluoromethane	98.7		85-115	%REC	10	12/19/2010 10:06 PM
Surr: Toluene-d8	97.1		85-120	%REC	10	12/19/2010 10:06 PM
Surr: Toluene-d8	98.7		85-120	%REC	200	12/21/2010 12:55 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW59(29)-G121610

**Lab ID:** 1012492-35

**Collection Date:** 12/16/2010 12:02 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 08:47 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 08:47 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 08:47 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 08:47 PM
<b>1,1-Dichloroethene</b>	<b>220</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 07:26 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 08:47 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 08:47 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 08:47 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 08:47 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 08:47 PM
Acetone	U		20	µg/L	1	12/19/2010 08:47 PM
Benzene	U		1.0	µg/L	1	12/19/2010 08:47 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 08:47 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 08:47 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 08:47 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 08:47 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 08:47 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 08:47 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 08:47 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 08:47 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 08:47 PM
<b>cis-1,2-Dichloroethene</b>	<b>53,000</b>		<b>2,000</b>	<b>µg/L</b>	2000	12/21/2010 11:13 AM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 08:47 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 08:47 PM
<b>Ethylbenzene</b>	<b>9.2</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 08:47 PM
<b>m,p-Xylene</b>	<b>19</b>		<b>2.0</b>	<b>µg/L</b>	1	12/19/2010 08:47 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 08:47 PM
<b>o-Xylene</b>	<b>7.2</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 08:47 PM
Styrene	U		1.0	µg/L	1	12/19/2010 08:47 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 08:47 PM
<b>Toluene</b>	<b>110</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 07:26 PM
<b>trans-1,2-Dichloroethene</b>	<b>310</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 07:26 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 08:47 PM
<b>Trichloroethene</b>	<b>520</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 07:26 PM
<b>Vinyl chloride</b>	<b>12,000</b>		<b>500</b>	<b>µg/L</b>	500	12/20/2010 04:02 PM
<b>Xylenes, Total</b>	<b>26</b>		<b>2.0</b>	<b>µg/L</b>	1	12/19/2010 08:47 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	2000	12/21/2010 11:13 AM
Surr: 1,2-Dichloroethane-d4	97.6		70-120	%REC	1	12/19/2010 08:47 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	500	12/20/2010 04:02 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW59(29)-G121610

**Lab ID:** 1012492-35

**Collection Date:** 12/16/2010 12:02 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	20	12/20/2010 07:26 PM
Surr: 4-Bromofluorobenzene	97.8		75-120	%REC	500	12/20/2010 04:02 PM
Surr: 4-Bromofluorobenzene	98.4		75-120	%REC	2000	12/21/2010 11:13 AM
Surr: 4-Bromofluorobenzene	99.5		75-120	%REC	1	12/19/2010 08:47 PM
Surr: 4-Bromofluorobenzene	91.5		75-120	%REC	20	12/20/2010 07:26 PM
Surr: Dibromofluoromethane	102		85-115	%REC	20	12/20/2010 07:26 PM
Surr: Dibromofluoromethane	103		85-115	%REC	500	12/20/2010 04:02 PM
Surr: Dibromofluoromethane	104		85-115	%REC	2000	12/21/2010 11:13 AM
Surr: Dibromofluoromethane	93.5		85-115	%REC	1	12/19/2010 08:47 PM
Surr: Toluene-d8	98.8		85-120	%REC	1	12/19/2010 08:47 PM
Surr: Toluene-d8	103		85-120	%REC	20	12/20/2010 07:26 PM
Surr: Toluene-d8	99.4		85-120	%REC	500	12/20/2010 04:02 PM
Surr: Toluene-d8	99.0		85-120	%REC	2000	12/21/2010 11:13 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW59(46)-G121610

**Lab ID:** 1012492-36

**Collection Date:** 12/16/2010 11:39 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>AK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 06:35 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 06:35 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 06:35 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 06:35 PM
<b>1,1-Dichloroethene</b>	<b>12</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 06:35 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 06:35 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 06:35 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 06:35 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 06:35 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 06:35 PM
Acetone	U		20	µg/L	1	12/19/2010 06:35 PM
Benzene	U		1.0	µg/L	1	12/19/2010 06:35 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 06:35 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 06:35 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 06:35 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 06:35 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 06:35 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 06:35 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 06:35 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 06:35 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 06:35 PM
<b>cis-1,2-Dichloroethene</b>	<b>1,400</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 05:19 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 06:35 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 06:35 PM
<b>Ethylbenzene</b>	<b>4.6</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 06:35 PM
<b>m,p-Xylene</b>	<b>3.5</b>		<b>2.0</b>	<b>µg/L</b>	1	12/19/2010 06:35 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 06:35 PM
<b>o-Xylene</b>	<b>2.6</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 06:35 PM
Styrene	U		1.0	µg/L	1	12/19/2010 06:35 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 06:35 PM
<b>Toluene</b>	<b>1.5</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 06:35 PM
<b>trans-1,2-Dichloroethene</b>	<b>8.9</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 06:35 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 06:35 PM
<b>Trichloroethene</b>	<b>120</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 05:19 PM
<b>Vinyl chloride</b>	<b>250</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 05:19 PM
<b>Xylenes, Total</b>	<b>6.1</b>		<b>2.0</b>	<b>µg/L</b>	1	12/19/2010 06:35 PM
Surr: 1,2-Dichloroethane-d4	103		70-120	%REC	20	12/20/2010 05:19 PM
Surr: 1,2-Dichloroethane-d4	96.5		70-120	%REC	1	12/19/2010 06:35 PM
Surr: 4-Bromofluorobenzene	97.9		75-120	%REC	20	12/20/2010 05:19 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-MW59(46)-G121610**Lab ID:** 1012492-36**Collection Date:** 12/16/2010 11:39 AM**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	98.7		75-120	%REC	1	12/19/2010 06:35 PM
Surr: Dibromofluoromethane	100		85-115	%REC	20	12/20/2010 05:19 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	12/19/2010 06:35 PM
Surr: Toluene-d8	98.7		85-120	%REC	1	12/19/2010 06:35 PM
Surr: Toluene-d8	101		85-120	%REC	20	12/20/2010 05:19 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW59(46)-G121610R

**Lab ID:** 1012492-37

**Collection Date:** 12/16/2010 11:39 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 07:01 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 07:01 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 07:01 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 07:01 PM
<b>1,1-Dichloroethene</b>	<b>11</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:01 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 07:01 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 07:01 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 07:01 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 07:01 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 07:01 PM
Acetone	U		20	µg/L	1	12/19/2010 07:01 PM
Benzene	U		1.0	µg/L	1	12/19/2010 07:01 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 07:01 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 07:01 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 07:01 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 07:01 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 07:01 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 07:01 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 07:01 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 07:01 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 07:01 PM
<b>cis-1,2-Dichloroethene</b>	<b>1,300</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 05:44 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 07:01 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 07:01 PM
<b>Ethylbenzene</b>	<b>4.3</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:01 PM
<b>m,p-Xylene</b>	<b>3.2</b>		<b>2.0</b>	<b>µg/L</b>	1	12/19/2010 07:01 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 07:01 PM
<b>o-Xylene</b>	<b>2.4</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:01 PM
Styrene	U		1.0	µg/L	1	12/19/2010 07:01 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 07:01 PM
<b>Toluene</b>	<b>1.4</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:01 PM
<b>trans-1,2-Dichloroethene</b>	<b>7.7</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:01 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 07:01 PM
<b>Trichloroethene</b>	<b>100</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 05:44 PM
<b>Vinyl chloride</b>	<b>260</b>		<b>20</b>	<b>µg/L</b>	20	12/20/2010 05:44 PM
<b>Xylenes, Total</b>	<b>5.7</b>		<b>2.0</b>	<b>µg/L</b>	1	12/19/2010 07:01 PM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	20	12/20/2010 05:44 PM
Surr: 1,2-Dichloroethane-d4	96.3		70-120	%REC	1	12/19/2010 07:01 PM
Surr: 4-Bromofluorobenzene	97.3		75-120	%REC	20	12/20/2010 05:44 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW59(46)-G121610R

**Collection Date:** 12/16/2010 11:39 AM

**Work Order:** 1012492

**Lab ID:** 1012492-37

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	99.4		75-120	%REC	1	12/19/2010 07:01 PM
Surr: Dibromofluoromethane	100		85-115	%REC	20	12/20/2010 05:44 PM
Surr: Dibromofluoromethane	99.8		85-115	%REC	1	12/19/2010 07:01 PM
Surr: Toluene-d8	98.6		85-120	%REC	1	12/19/2010 07:01 PM
Surr: Toluene-d8	100		85-120	%REC	20	12/20/2010 05:44 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW62(36)-G121610

**Lab ID:** 1012492-38

**Collection Date:** 12/16/2010 09:51 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 07:28 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 07:28 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 07:28 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 07:28 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 07:28 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 07:28 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 07:28 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 07:28 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 07:28 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 07:28 PM
Acetone	U		20	µg/L	1	12/19/2010 07:28 PM
Benzene	U		1.0	µg/L	1	12/19/2010 07:28 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 07:28 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 07:28 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 07:28 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 07:28 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 07:28 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 07:28 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 07:28 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 07:28 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 07:28 PM
<b>cis-1,2-Dichloroethene</b>	<b>610</b>		<b>50</b>	<b>µg/L</b>	50	12/21/2010 12:04 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 07:28 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 07:28 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 07:28 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 07:28 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 07:28 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 07:28 PM
Styrene	U		1.0	µg/L	1	12/19/2010 07:28 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 07:28 PM
Toluene	U		1.0	µg/L	1	12/19/2010 07:28 PM
<b>trans-1,2-Dichloroethene</b>	<b>3.0</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:28 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 07:28 PM
<b>Trichloroethene</b>	<b>2.2</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 07:28 PM
<b>Vinyl chloride</b>	<b>2,600</b>		<b>50</b>	<b>µg/L</b>	50	12/21/2010 12:04 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 07:28 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	50	12/21/2010 12:04 PM
Surr: 1,2-Dichloroethane-d4	96.0		70-120	%REC	1	12/19/2010 07:28 PM
Surr: 4-Bromofluorobenzene	98.9		75-120	%REC	50	12/21/2010 12:04 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-MW62(36)-G121610**Lab ID:** 1012492-38**Collection Date:** 12/16/2010 09:51 AM**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	99.4		75-120	%REC	1	12/19/2010 07:28 PM
Surr: Dibromofluoromethane	102		85-115	%REC	50	12/21/2010 12:04 PM
Surr: Dibromofluoromethane	99.1		85-115	%REC	1	12/19/2010 07:28 PM
Surr: Toluene-d8	97.7		85-120	%REC	1	12/19/2010 07:28 PM
Surr: Toluene-d8	99.6		85-120	%REC	50	12/21/2010 12:04 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW62(36)-G121610R

**Lab ID:** 1012492-39

**Collection Date:** 12/16/2010 09:51 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 07:54 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 07:54 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 07:54 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 07:54 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 07:54 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 07:54 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 07:54 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 07:54 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 07:54 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 07:54 PM
Acetone	U		20	µg/L	1	12/19/2010 07:54 PM
Benzene	U		1.0	µg/L	1	12/19/2010 07:54 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 07:54 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 07:54 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 07:54 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 07:54 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 07:54 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 07:54 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 07:54 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 07:54 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 07:54 PM
<b>cis-1,2-Dichloroethene</b>	<b>610</b>		<b>50</b>	<b>µg/L</b>	<b>50</b>	12/21/2010 12:30 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 07:54 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 07:54 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 07:54 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 07:54 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 07:54 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 07:54 PM
Styrene	U		1.0	µg/L	1	12/19/2010 07:54 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 07:54 PM
Toluene	U		1.0	µg/L	1	12/19/2010 07:54 PM
<b>trans-1,2-Dichloroethene</b>	<b>3.2</b>		<b>1.0</b>	<b>µg/L</b>	<b>1</b>	12/19/2010 07:54 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 07:54 PM
<b>Trichloroethene</b>	<b>2.0</b>		<b>1.0</b>	<b>µg/L</b>	<b>1</b>	12/19/2010 07:54 PM
<b>Vinyl chloride</b>	<b>2,400</b>		<b>50</b>	<b>µg/L</b>	<b>50</b>	12/21/2010 12:30 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 07:54 PM
Surr: 1,2-Dichloroethane-d4	102		70-120	%REC	50	12/21/2010 12:30 PM
Surr: 1,2-Dichloroethane-d4	94.5		70-120	%REC	1	12/19/2010 07:54 PM
Surr: 4-Bromofluorobenzene	98.0		75-120	%REC	50	12/21/2010 12:30 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.**Project:** Textron-TORX GW Dec. 14-16, 2010**Work Order:** 1012492**Sample ID:** MTR-MW62(36)-G121610R**Lab ID:** 1012492-39**Collection Date:** 12/16/2010 09:51 AM**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	99.7		75-120	%REC	1	12/19/2010 07:54 PM
Surr: Dibromofluoromethane	102		85-115	%REC	50	12/21/2010 12:30 PM
Surr: Dibromofluoromethane	98.5		85-115	%REC	1	12/19/2010 07:54 PM
Surr: Toluene-d8	98.8		85-120	%REC	1	12/19/2010 07:54 PM
Surr: Toluene-d8	98.6		85-120	%REC	50	12/21/2010 12:30 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-EB001-121610

**Lab ID:** 1012492-40

**Collection Date:** 12/16/2010 12:55 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 04:50 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 04:50 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 04:50 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 04:50 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 04:50 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 04:50 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 04:50 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 04:50 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 04:50 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 04:50 PM
Acetone	U		20	µg/L	1	12/19/2010 04:50 PM
Benzene	U		1.0	µg/L	1	12/19/2010 04:50 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 04:50 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 04:50 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 04:50 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 04:50 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 04:50 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 04:50 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 04:50 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 04:50 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 04:50 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 04:50 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 04:50 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 04:50 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 04:50 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 04:50 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 04:50 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 04:50 PM
Styrene	U		1.0	µg/L	1	12/19/2010 04:50 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 04:50 PM
Toluene	U		1.0	µg/L	1	12/19/2010 04:50 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 04:50 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 04:50 PM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 04:50 PM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 04:50 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 04:50 PM
Surr: 1,2-Dichloroethane-d4	95.3		70-120	%REC	1	12/19/2010 04:50 PM
Surr: 4-Bromofluorobenzene	98.8		75-120	%REC	1	12/19/2010 04:50 PM
Surr: Dibromofluoromethane	98.2		85-115	%REC	1	12/19/2010 04:50 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-EB001-121610

**Collection Date:** 12/16/2010 12:55 PM

**Work Order:** 1012492

**Lab ID:** 1012492-40

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	97.7		85-120	%REC	1	12/19/2010 04:50 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-EB002-121610

**Lab ID:** 1012492-41

**Collection Date:** 12/16/2010 01:25 PM

**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 05:16 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 05:16 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 05:16 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 05:16 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:16 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 05:16 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 05:16 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 05:16 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 05:16 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 05:16 PM
Acetone	U		20	µg/L	1	12/19/2010 05:16 PM
Benzene	U		1.0	µg/L	1	12/19/2010 05:16 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 05:16 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 05:16 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 05:16 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 05:16 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 05:16 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 05:16 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 05:16 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 05:16 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 05:16 PM
cis-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:16 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 05:16 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 05:16 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 05:16 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 05:16 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 05:16 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 05:16 PM
Styrene	U		1.0	µg/L	1	12/19/2010 05:16 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 05:16 PM
Toluene	U		1.0	µg/L	1	12/19/2010 05:16 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 05:16 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 05:16 PM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 05:16 PM
Vinyl chloride	U		1.0	µg/L	1	12/19/2010 05:16 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 05:16 PM
Surr: 1,2-Dichloroethane-d4	95.4		70-120	%REC	1	12/19/2010 05:16 PM
Surr: 4-Bromofluorobenzene	99.5		75-120	%REC	1	12/19/2010 05:16 PM
Surr: Dibromofluoromethane	99.5		85-115	%REC	1	12/19/2010 05:16 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

**Date:** 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-EB002-121610

**Lab ID:** 1012492-41

**Collection Date:** 12/16/2010 01:25 PM

**Matrix:** WATER

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<b>Analyses</b>	<b>Result</b>	<b>Qual</b>	<b>Report Limit</b>	<b>Units</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
<i>Surr: Toluene-d8</i>	98.2		85-120	%REC	1	12/19/2010 05:16 PM

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**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Work Order:** 1012492

**Sample ID:** MTR-MW19(53)-G121410

**Lab ID:** 1012492-42

**Collection Date:** 12/14/2010 03:13 PM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: <b>AK</b>	
1,1,1-Trichloroethane	U		1.0	µg/L	1	12/19/2010 06:09 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	12/19/2010 06:09 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	12/19/2010 06:09 PM
1,1-Dichloroethane	U		1.0	µg/L	1	12/19/2010 06:09 PM
1,1-Dichloroethene	U		1.0	µg/L	1	12/19/2010 06:09 PM
1,2-Dichloroethane	U		1.0	µg/L	1	12/19/2010 06:09 PM
1,2-Dichloropropane	U		2.0	µg/L	1	12/19/2010 06:09 PM
2-Butanone	U		5.0	µg/L	1	12/19/2010 06:09 PM
2-Hexanone	U		5.0	µg/L	1	12/19/2010 06:09 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	12/19/2010 06:09 PM
Acetone	U		20	µg/L	1	12/19/2010 06:09 PM
Benzene	U		1.0	µg/L	1	12/19/2010 06:09 PM
Bromodichloromethane	U		1.0	µg/L	1	12/19/2010 06:09 PM
Bromoform	U		1.0	µg/L	1	12/19/2010 06:09 PM
Bromomethane	U		1.0	µg/L	1	12/19/2010 06:09 PM
Carbon disulfide	U		2.5	µg/L	1	12/19/2010 06:09 PM
Carbon tetrachloride	U		1.0	µg/L	1	12/19/2010 06:09 PM
Chlorobenzene	U		1.0	µg/L	1	12/19/2010 06:09 PM
Chloroethane	U		1.0	µg/L	1	12/19/2010 06:09 PM
Chloroform	U		1.0	µg/L	1	12/19/2010 06:09 PM
Chloromethane	U		1.0	µg/L	1	12/19/2010 06:09 PM
<b>cis-1,2-Dichloroethene</b>	<b>21</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 06:09 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 06:09 PM
Dibromochloromethane	U		1.0	µg/L	1	12/19/2010 06:09 PM
Ethylbenzene	U		1.0	µg/L	1	12/19/2010 06:09 PM
m,p-Xylene	U		2.0	µg/L	1	12/19/2010 06:09 PM
Methylene chloride	U		5.0	µg/L	1	12/19/2010 06:09 PM
o-Xylene	U		1.0	µg/L	1	12/19/2010 06:09 PM
Styrene	U		1.0	µg/L	1	12/19/2010 06:09 PM
Tetrachloroethene	U		2.0	µg/L	1	12/19/2010 06:09 PM
Toluene	U		1.0	µg/L	1	12/19/2010 06:09 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	12/19/2010 06:09 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	12/19/2010 06:09 PM
Trichloroethene	U		1.0	µg/L	1	12/19/2010 06:09 PM
<b>Vinyl chloride</b>	<b>10</b>		<b>1.0</b>	<b>µg/L</b>	1	12/19/2010 06:09 PM
Xylenes, Total	U		2.0	µg/L	1	12/19/2010 06:09 PM
Surr: 1,2-Dichloroethane-d4	95.8		70-120	%REC	1	12/19/2010 06:09 PM
Surr: 4-Bromofluorobenzene	99.6		75-120	%REC	1	12/19/2010 06:09 PM
Surr: Dibromofluoromethane	99.3		85-115	%REC	1	12/19/2010 06:09 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 30-Dec-10

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron-TORX GW Dec. 14-16, 2010

**Sample ID:** MTR-MW19(53)-G121410

**Collection Date:** 12/14/2010 03:13 PM

**Work Order:** 1012492

**Lab ID:** 1012492-42

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: Toluene-d8</i>	98.0		85-120	%REC	1	12/19/2010 06:09 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 30-Dec-10

Client: MACTEC Engineering & Consulting, Inc.

QC BATCH REPORT

Work Order: 1012492

Project: Textron-TORX GW Dec. 14-16, 2010

Batch ID: **R85015** Instrument ID **VMS8** Method: **SW8260**

MBLK	Sample ID: <b>VBLKW1-101218-R85015</b>	Units: <b>µg/L</b>					Analysis Date: <b>12/19/2010 02:53 AM</b>				
Client ID:	Run ID: <b>VMS8_101218B</b>	SeqNo: <b>1511162</b>			Prep Date:		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Hexanone	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	20									
Benzene	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	2.5									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Ethylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methylene chloride	U	5.0									
o-Xylene	U	1.0									
Styrene	U	1.0									
Tetrachloroethene	U	2.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Vinyl chloride	U	1.0									
Xylenes, Total	U	2.0									
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>103.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>70-120</i>	<i>0</i>				
<i>Surr: 4-Bromofluorobenzene</i>	<i>99.35</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.4</i>	<i>75-120</i>	<i>0</i>				
<i>Surr: Dibromofluoromethane</i>	<i>104.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>85-115</i>	<i>0</i>				
<i>Surr: Toluene-d8</i>	<i>100.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-120</i>	<i>0</i>				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85015** Instrument ID **VMS8** Method: **SW8260**

LCS		Sample ID: <b>VLCSW1-101218-R85015</b>			Units: <b>µg/L</b>		Analysis Date: <b>12/19/2010 01:36 AM</b>			
Client ID:		Run ID: <b>VMS8_101218B</b>			SeqNo: <b>1511160</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.3	1.0	20	0	106	65-130	0			
1,1,2,2-Tetrachloroethane	19.83	1.0	20	0	99.2	65-130	0			
1,1,2-Trichloroethane	20.85	1.0	20	0	104	75-125	0			
1,1-Dichloroethane	21.96	1.0	20	0	110	70-135	0			
1,1-Dichloroethene	23.77	1.0	20	0	119	70-130	0			
1,2-Dichloroethane	21.84	1.0	20	0	109	70-130	0			
1,2-Dichloropropane	21.5	2.0	20	0	108	75-125	0			
2-Butanone	18.89	5.0	20	0	94.4	30-150	0			
2-Hexanone	18.74	5.0	20	0	93.7	55-130	0			
4-Methyl-2-pentanone	19.38	5.0	20	0	96.9	60-135	0			
Acetone	22.2	20	20	0	111	40-140	0			
Benzene	21.88	1.0	20	0	109	80-120	0			
Bromodichloromethane	20.21	1.0	20	0	101	75-120	0			
Bromoform	19.51	1.0	20	0	97.6	70-130	0			
Bromomethane	21.83	1.0	20	0	109	30-145	0			
Carbon disulfide	24.53	2.5	20	0	123	35-165	0			
Carbon tetrachloride	20.66	1.0	20	0	103	65-140	0			
Chlorobenzene	20.69	1.0	20	0	103	80-120	0			
Chloroethane	20.58	1.0	20	0	103	60-135	0			
Chloroform	19.41	1.0	20	0	97	65-135	0			
Chloromethane	18.79	1.0	20	0	94	70-125	0			
cis-1,2-Dichloroethene	21.23	1.0	20	0	106	70-125	0			
cis-1,3-Dichloropropene	20.05	1.0	20	0	100	70-130	0			
Dibromochloromethane	19.33	1.0	20	0	96.6	60-135	0			
Ethylbenzene	21.67	1.0	20	0	108	75-125	0			
m,p-Xylene	43.42	2.0	40	0	109	75-130	0			
Methylene chloride	21.35	5.0	20	0	107	55-140	0			
o-Xylene	22.12	1.0	20	0	111	80-120	0			
Styrene	22.32	1.0	20	0	112	65-135	0			
Tetrachloroethene	21.04	2.0	20	0	105	45-150	0			
Toluene	21.22	1.0	20	0	106	75-120	0			
trans-1,2-Dichloroethene	22.8	1.0	20	0	114	60-140	0			
trans-1,3-Dichloropropene	21.08	1.0	20	0	105	55-140	0			
Trichloroethene	21.77	1.0	20	0	109	70-125	0			
Vinyl chloride	21.41	1.0	20	0	107	50-145	0			
Xylenes, Total	65.54	2.0	60	0	109	75-130	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>100.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>102.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>101.9</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>101</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85015** Instrument ID **VMS8** Method: **SW8260**

LCSD	Sample ID: <b>VLCS DW1-101218-R85015</b>	Units: <b>µg/L</b>					Analysis Date: <b>12/19/2010 02:02 AM</b>				
Client ID:	Run ID: <b>VMS8_101218B</b>	SeqNo: <b>1511161</b>			Prep Date:		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.42	1.0	20	0	102	65-130	21.3	4.22	30		
1,1,2,2-Tetrachloroethane	19.78	1.0	20	0	98.9	65-130	19.83	0.252	30		
1,1,2-Trichloroethane	20.72	1.0	20	0	104	75-125	20.85	0.625	30		
1,1-Dichloroethane	21.46	1.0	20	0	107	70-135	21.96	2.3	30		
1,1-Dichloroethene	22.88	1.0	20	0	114	70-130	23.77	3.82	30		
1,2-Dichloroethane	21.58	1.0	20	0	108	70-130	21.84	1.2	30		
1,2-Dichloropropane	20.81	2.0	20	0	104	75-125	21.5	3.26	30		
2-Butanone	19.67	5.0	20	0	98.4	30-150	18.89	4.05	30		
2-Hexanone	18.61	5.0	20	0	93	55-130	18.74	0.696	30		
4-Methyl-2-pentanone	19.42	5.0	20	0	97.1	60-135	19.38	0.206	30		
Acetone	22.99	20	20	0	115	40-140	22.2	3.5	30		
Benzene	21.03	1.0	20	0	105	80-120	21.88	3.96	30		
Bromodichloromethane	19.98	1.0	20	0	99.9	75-120	20.21	1.14	30		
Bromoform	19.51	1.0	20	0	97.6	70-130	19.51	0	30		
Bromomethane	20.04	1.0	20	0	100	30-145	21.83	8.55	30		
Carbon disulfide	23.26	2.5	20	0	116	35-165	24.53	5.31	30		
Carbon tetrachloride	19.61	1.0	20	0	98	65-140	20.66	5.21	30		
Chlorobenzene	20.17	1.0	20	0	101	80-120	20.69	2.55	30		
Chloroethane	19.79	1.0	20	0	99	60-135	20.58	3.91	30		
Chloroform	19.11	1.0	20	0	95.6	65-135	19.41	1.56	30		
Chloromethane	18.29	1.0	20	0	91.4	70-125	18.79	2.7	30		
cis-1,2-Dichloroethene	20.67	1.0	20	0	103	70-125	21.23	2.67	30		
cis-1,3-Dichloropropene	19.56	1.0	20	0	97.8	70-130	20.05	2.47	30		
Dibromochloromethane	18.91	1.0	20	0	94.6	60-135	19.33	2.2	30		
Ethylbenzene	20.77	1.0	20	0	104	75-125	21.67	4.24	30		
m,p-Xylene	42.15	2.0	40	0	105	75-130	43.42	2.97	30		
Methylene chloride	21.15	5.0	20	0	106	55-140	21.35	0.941	30		
o-Xylene	21.44	1.0	20	0	107	80-120	22.12	3.12	30		
Styrene	21.69	1.0	20	0	108	65-135	22.32	2.86	30		
Tetrachloroethene	20.3	2.0	20	0	102	45-150	21.04	3.58	30		
Toluene	20.45	1.0	20	0	102	75-120	21.22	3.7	30		
trans-1,2-Dichloroethene	22.08	1.0	20	0	110	60-140	22.8	3.21	30		
trans-1,3-Dichloropropene	20.64	1.0	20	0	103	55-140	21.08	2.11	30		
Trichloroethene	20.81	1.0	20	0	104	70-125	21.77	4.51	30		
Vinyl chloride	20.7	1.0	20	0	104	50-145	21.41	3.37	30		
Xylenes, Total	63.59	2.0	60	0	106	75-130	65.54	3.02	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>101.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>70-120</i>	<i>100.8</i>	<i>0.446</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>102.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>75-120</i>	<i>102.5</i>	<i>0.205</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>101.9</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>85-115</i>	<i>101.9</i>	<i>0.0294</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>100.1</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-120</i>	<i>101</i>	<i>0.806</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012492

Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: R85015

Instrument ID VMS8

Method: SW8260

MS	Sample ID: 1012492-14A MS	Units: µg/L					Analysis Date: 12/19/2010 11:32 AM			
Client ID: MTR-MW25(82)-G121510	Run ID: VMS8_101218B	SeqNo: 1511278	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	22.43	1.0	20	0	112	65-130	0			
1,1,2,2-Tetrachloroethane	19.84	1.0	20	0	99.2	65-130	0			
1,1,2-Trichloroethane	20.74	1.0	20	0	104	75-125	0			
1,1-Dichloroethane	22.63	1.0	20	0	113	70-135	0			
1,1-Dichloroethene	25.72	1.0	20	0	129	70-130	0			
1,2-Dichloroethane	22.42	1.0	20	0	112	70-130	0			
1,2-Dichloropropane	21.32	2.0	20	0	107	75-125	0			
2-Butanone	18.92	5.0	20	0	94.6	30-150	0			
2-Hexanone	17.69	5.0	20	0	88.4	55-130	0			
4-Methyl-2-pentanone	18.51	5.0	20	0	92.6	60-135	0			
Acetone	25.03	20	20	0	125	40-140	0			
Benzene	22.31	1.0	20	0	112	80-120	0			
Bromodichloromethane	21.27	1.0	20	0	106	75-120	0			
Bromoform	20.6	1.0	20	0	103	70-130	0			
Bromomethane	16.17	1.0	20	0	80.8	30-145	0			
Carbon disulfide	25.74	2.5	20	0	129	35-165	0			
Carbon tetrachloride	22.61	1.0	20	0	113	65-140	0			
Chlorobenzene	20.94	1.0	20	0	105	80-120	0			
Chloroethane	21.92	1.0	20	0	110	60-135	0			
Chloroform	20.41	1.0	20	0	102	65-135	0			
Chloromethane	18.85	1.0	20	0	94.2	70-125	0			
cis-1,2-Dichloroethene	22.71	1.0	20	0	114	70-125	0			
cis-1,3-Dichloropropene	19	1.0	20	0	95	70-130	0			
Dibromochloromethane	20.03	1.0	20	0	100	60-135	0			
Ethylbenzene	21.86	1.0	20	0	109	75-125	0			
m,p-Xylene	44.08	2.0	40	0	110	75-130	0			
Methylene chloride	21.62	5.0	20	0	108	55-140	0			
o-Xylene	22.21	1.0	20	0	111	80-120	0			
Styrene	22.38	1.0	20	0	112	65-135	0			
Tetrachloroethene	27.39	2.0	20	0	137	45-150	0			
Toluene	21.52	1.0	20	0	108	75-120	0			
trans-1,2-Dichloroethene	23.56	1.0	20	0	118	60-140	0			
trans-1,3-Dichloropropene	19.4	1.0	20	0	97	55-140	0			
Trichloroethene	22.35	1.0	20	0	112	70-125	0			
Vinyl chloride	25.51	1.0	20	2.79	114	50-145	0			
Xylenes, Total	66.29	2.0	60	0	110	75-130	0			
Surr: 1,2-Dichloroethane-d4	106.3	0	100	0	106	70-120	0			
Surr: 4-Bromofluorobenzene	103.7	0	100	0	104	75-120	0			
Surr: Dibromofluoromethane	106	0	100	0	106	85-115	0			
Surr: Toluene-d8	99.86	0	100	0	99.9	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85015** Instrument ID **VMS8** Method: **SW8260**

MSD		Sample ID: <b>1012492-14A MSD</b>				Units: <b>µg/L</b>		Analysis Date: <b>12/19/2010 11:58 AM</b>			
Client ID: <b>MTR-MW25(82)-G121510</b>		Run ID: <b>VMS8_101218B</b>				SeqNo: <b>1511279</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.43	1.0	20	0	102	65-130	22.43	9.33	30		
1,1,2,2-Tetrachloroethane	19.25	1.0	20	0	96.2	65-130	19.84	3.02	30		
1,1,2-Trichloroethane	20.18	1.0	20	0	101	75-125	20.74	2.74	30		
1,1-Dichloroethane	21.32	1.0	20	0	107	70-135	22.63	5.96	30		
1,1-Dichloroethene	23.54	1.0	20	0	118	70-130	25.72	8.85	30		
1,2-Dichloroethane	21.78	1.0	20	0	109	70-130	22.42	2.9	30		
1,2-Dichloropropane	20.36	2.0	20	0	102	75-125	21.32	4.61	30		
2-Butanone	19.12	5.0	20	0	95.6	30-150	18.92	1.05	30		
2-Hexanone	17.39	5.0	20	0	87	55-130	17.69	1.71	30		
4-Methyl-2-pentanone	18	5.0	20	0	90	60-135	18.51	2.79	30		
Acetone	24.81	20	20	0	124	40-140	25.03	0.883	30		
Benzene	21.11	1.0	20	0	106	80-120	22.31	5.53	30		
Bromodichloromethane	20.02	1.0	20	0	100	75-120	21.27	6.05	30		
Bromoform	19.04	1.0	20	0	95.2	70-130	20.6	7.87	30		
Bromomethane	18.7	1.0	20	0	93.5	30-145	16.17	14.5	30		
Carbon disulfide	22.78	2.5	20	0	114	35-165	25.74	12.2	30		
Carbon tetrachloride	19.83	1.0	20	0	99.2	65-140	22.61	13.1	30		
Chlorobenzene	20.1	1.0	20	0	100	80-120	20.94	4.09	30		
Chloroethane	20.65	1.0	20	0	103	60-135	21.92	5.97	30		
Chloroform	19.26	1.0	20	0	96.3	65-135	20.41	5.8	30		
Chloromethane	18.63	1.0	20	0	93.2	70-125	18.85	1.17	30		
cis-1,2-Dichloroethene	21.55	1.0	20	0	108	70-125	22.71	5.24	30		
cis-1,3-Dichloropropene	18.27	1.0	20	0	91.4	70-130	19	3.92	30		
Dibromochloromethane	18.79	1.0	20	0	94	60-135	20.03	6.39	30		
Ethylbenzene	20.68	1.0	20	0	103	75-125	21.86	5.55	30		
m,p-Xylene	42.23	2.0	40	0	106	75-130	44.08	4.29	30		
Methylene chloride	21.12	5.0	20	0	106	55-140	21.62	2.34	30		
o-Xylene	21.27	1.0	20	0	106	80-120	22.21	4.32	30		
Styrene	21.78	1.0	20	0	109	65-135	22.38	2.72	30		
Tetrachloroethene	25.8	2.0	20	0	129	45-150	27.39	5.98	30		
Toluene	20.36	1.0	20	0	102	75-120	21.52	5.54	30		
trans-1,2-Dichloroethene	22.21	1.0	20	0	111	60-140	23.56	5.9	30		
trans-1,3-Dichloropropene	18.66	1.0	20	0	93.3	55-140	19.4	3.89	30		
Trichloroethene	20.93	1.0	20	0	105	70-125	22.35	6.56	30		
Vinyl chloride	23.9	1.0	20	2.79	106	50-145	25.51	6.52	30		
Xylenes, Total	63.5	2.0	60	0	106	75-130	66.29	4.3	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>105.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>105</i>	<i>70-120</i>	<i>106.3</i>	<i>1.07</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>104.1</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>75-120</i>	<i>103.7</i>	<i>0.423</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>102.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>85-115</i>	<i>106</i>	<i>3.64</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>100.4</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-120</i>	<i>99.86</i>	<i>0.529</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** MACTEC Engineering & Consulting, Inc.

**Work Order:** 1012492

**Project:** Textron-TORX GW Dec. 14-16, 2010

## QC BATCH REPORT

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Batch ID: **R85015**

Instrument ID **VMS8**

Method: **SW8260**

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**The following samples were analyzed in this batch:**

1012492-03A	1012492-04A	1012492-05A
1012492-06A	1012492-07A	1012492-09A
1012492-12A	1012492-13A	1012492-14A
1012492-15A	1012492-16A	1012492-17A
1012492-18A	1012492-20A	1012492-21A
1012492-22A	1012492-23A	1012492-24A
1012492-25A		

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85022** Instrument ID **VMS7** Method: **SW8260**

MBLK Sample ID: **VBLKW1-101219-R85022** Units: **µg/L** Analysis Date: **12/19/2010 02:14 PM**

Client ID: Run ID: **VMS7\_101219A** SeqNo: **1511907** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Dibromochloromethane	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Methylene chloride	U	5.0								
o-Xylene	U	1.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								
trans-1,2-Dichloroethene	U	1.0								
trans-1,3-Dichloropropene	U	1.0								
Trichloroethene	U	1.0								
Vinyl chloride	U	1.0								
Xylenes, Total	U	2.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>95.33</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>95.3</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>98.74</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98.7</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>97.49</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>97.5</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>97.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>97.6</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85022** Instrument ID **VMS7** Method: **SW8260**

LCS		Sample ID: <b>VLCSW1-101219-R85022</b>				Units: <b>µg/L</b>		Analysis Date: <b>12/19/2010 12:55 PM</b>			
Client ID:		Run ID: <b>VMS7_101219A</b>				SeqNo: <b>1511287</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	22.12	1.0	20	0	111	65-130	0				
1,1,2,2-Tetrachloroethane	19.96	1.0	20	0	99.8	65-130	0				
1,1,2-Trichloroethane	20.37	1.0	20	0	102	75-125	0				
1,1-Dichloroethane	22.15	1.0	20	0	111	70-135	0				
1,1-Dichloroethene	24.24	1.0	20	0	121	70-130	0				
1,2-Dichloroethane	21.88	1.0	20	0	109	70-130	0				
1,2-Dichloropropane	21.24	2.0	20	0	106	75-125	0				
2-Butanone	15.36	5.0	20	0	76.8	30-150	0				
2-Hexanone	17.74	5.0	20	0	88.7	55-130	0				
4-Methyl-2-pentanone	18.32	5.0	20	0	91.6	60-135	0				
Acetone	21.21	20	20	0	106	40-140	0				
Benzene	21.47	1.0	20	0	107	80-120	0				
Bromodichloromethane	21.33	1.0	20	0	107	75-120	0				
Bromoform	20.65	1.0	20	0	103	70-130	0				
Bromomethane	26.12	1.0	20	0	131	30-145	0				
Carbon disulfide	25.31	2.5	20	0	127	35-165	0				
Carbon tetrachloride	22.69	1.0	20	0	113	65-140	0				
Chlorobenzene	21.19	1.0	20	0	106	80-120	0				
Chloroethane	22.77	1.0	20	0	114	60-135	0				
Chloroform	21.1	1.0	20	0	106	65-135	0				
Chloromethane	20.28	1.0	20	0	101	70-125	0				
cis-1,2-Dichloroethene	21.78	1.0	20	0	109	70-125	0				
cis-1,3-Dichloropropene	21.99	1.0	20	0	110	70-130	0				
Dibromochloromethane	21.3	1.0	20	0	106	60-135	0				
Ethylbenzene	20.82	1.0	20	0	104	75-125	0				
m,p-Xylene	43.08	2.0	40	0	108	75-130	0				
Methylene chloride	20.84	5.0	20	0	104	55-140	0				
o-Xylene	20.53	1.0	20	0	103	80-120	0				
Styrene	21.57	1.0	20	0	108	65-135	0				
Tetrachloroethene	24.11	2.0	20	0	121	45-150	0				
Toluene	21.5	1.0	20	0	108	75-120	0				
trans-1,2-Dichloroethene	23.06	1.0	20	0	115	60-140	0				
trans-1,3-Dichloropropene	22.73	1.0	20	0	114	55-140	0				
Trichloroethene	21.55	1.0	20	0	108	70-125	0				
Vinyl chloride	22.18	1.0	20	0	111	50-145	0				
Xylenes, Total	63.61	2.0	60	0	106	75-130	0				
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>96.74</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>96.7</i>	<i>70-120</i>	<i>0</i>				
<i>Surr: 4-Bromofluorobenzene</i>	<i>100.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>75-120</i>	<i>0</i>				
<i>Surr: Dibromofluoromethane</i>	<i>99.75</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.8</i>	<i>85-115</i>	<i>0</i>				
<i>Surr: Toluene-d8</i>	<i>97.96</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98</i>	<i>85-120</i>	<i>0</i>				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85022** Instrument ID **VMS7** Method: **SW8260**

LCSD	Sample ID: <b>VLCS DW1-101219-R85022</b>	Units: <b>µg/L</b>					Analysis Date: <b>12/19/2010 01:21 PM</b>				
Client ID:	Run ID: <b>VMS7_101219A</b>	SeqNo: <b>1511288</b>			Prep Date:		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	21.14	1.0	20	0	106	65-130	22.12	4.53	30		
1,1,2,2-Tetrachloroethane	20.42	1.0	20	0	102	65-130	19.96	2.28	30		
1,1,2-Trichloroethane	19.99	1.0	20	0	100	75-125	20.37	1.88	30		
1,1-Dichloroethane	20.51	1.0	20	0	103	70-135	22.15	7.69	30		
1,1-Dichloroethene	21.96	1.0	20	0	110	70-130	24.24	9.87	30		
1,2-Dichloroethane	21.25	1.0	20	0	106	70-130	21.88	2.92	30		
1,2-Dichloropropane	20.24	2.0	20	0	101	75-125	21.24	4.82	30		
2-Butanone	15.77	5.0	20	0	78.8	30-150	15.36	2.63	30		
2-Hexanone	18.31	5.0	20	0	91.6	55-130	17.74	3.16	30		
4-Methyl-2-pentanone	18.74	5.0	20	0	93.7	60-135	18.32	2.27	30		
Acetone	21.38	20	20	0	107	40-140	21.21	0.798	30		
Benzene	20.46	1.0	20	0	102	80-120	21.47	4.82	30		
Bromodichloromethane	20.66	1.0	20	0	103	75-120	21.33	3.19	30		
Bromoform	20.74	1.0	20	0	104	70-130	20.65	0.435	30		
Bromomethane	24.36	1.0	20	0	122	30-145	26.12	6.97	30		
Carbon disulfide	22.61	2.5	20	0	113	35-165	25.31	11.3	30		
Carbon tetrachloride	21.27	1.0	20	0	106	65-140	22.69	6.46	30		
Chlorobenzene	20.18	1.0	20	0	101	80-120	21.19	4.88	30		
Chloroethane	20.95	1.0	20	0	105	60-135	22.77	8.33	30		
Chloroform	19.99	1.0	20	0	100	65-135	21.1	5.4	30		
Chloromethane	18.34	1.0	20	0	91.7	70-125	20.28	10	30		
cis-1,2-Dichloroethene	20.4	1.0	20	0	102	70-125	21.78	6.54	30		
cis-1,3-Dichloropropene	21.2	1.0	20	0	106	70-130	21.99	3.66	30		
Dibromochloromethane	20.57	1.0	20	0	103	60-135	21.3	3.49	30		
Ethylbenzene	19.44	1.0	20	0	97.2	75-125	20.82	6.86	30		
m,p-Xylene	40.62	2.0	40	0	102	75-130	43.08	5.88	30		
Methylene chloride	20.22	5.0	20	0	101	55-140	20.84	3.02	30		
o-Xylene	19.68	1.0	20	0	98.4	80-120	20.53	4.23	30		
Styrene	20.85	1.0	20	0	104	65-135	21.57	3.39	30		
Tetrachloroethene	22.61	2.0	20	0	113	45-150	24.11	6.42	30		
Toluene	20.23	1.0	20	0	101	75-120	21.5	6.09	30		
trans-1,2-Dichloroethene	21.26	1.0	20	0	106	60-140	23.06	8.12	30		
trans-1,3-Dichloropropene	21.9	1.0	20	0	110	55-140	22.73	3.72	30		
Trichloroethene	20.28	1.0	20	0	101	70-125	21.55	6.07	30		
Vinyl chloride	20.33	1.0	20	0	102	50-145	22.18	8.7	30		
Xylenes, Total	60.3	2.0	60	0	100	75-130	63.61	5.34	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>96.83</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>96.8</i>	<i>70-120</i>	<i>96.74</i>	<i>0.093</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>100.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>75-120</i>	<i>100.8</i>	<i>0.298</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>99.99</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-115</i>	<i>99.75</i>	<i>0.24</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>97.34</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>97.3</i>	<i>85-120</i>	<i>97.96</i>	<i>0.635</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012492

Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: R85022

Instrument ID VMS7

Method: SW8260

MS		Sample ID: 1012492-33A MS			Units: µg/L			Analysis Date: 12/19/2010 10:58 PM		
Client ID: MTR-MW20(155)-G121610		Run ID: VMS7_101219A			SeqNo: 1511938		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21	1.0	20	0	105	65-130	0			
1,1,2,2-Tetrachloroethane	19	1.0	20	0	95	65-130	0			
1,1,2-Trichloroethane	18.62	1.0	20	0	93.1	75-125	0			
1,1-Dichloroethane	19.65	1.0	20	0	98.2	70-135	0			
1,1-Dichloroethene	21.31	1.0	20	0	107	70-130	0			
1,2-Dichloroethane	20.14	1.0	20	0	101	70-130	0			
1,2-Dichloropropane	19.27	2.0	20	0	96.4	75-125	0			
2-Butanone	16.84	5.0	20	0	84.2	30-150	0			
2-Hexanone	17.8	5.0	20	0	89	55-130	0			
4-Methyl-2-pentanone	16.66	5.0	20	0	83.3	60-135	0			
Acetone	29.53	20	20	0	148	40-140	0			S
Benzene	20.02	1.0	20	0	100	80-120	0			
Bromodichloromethane	19.73	1.0	20	0	98.6	75-120	0			
Bromoform	19.6	1.0	20	0	98	70-130	0			
Bromomethane	26	1.0	20	0	130	30-145	0			
Carbon disulfide	21.42	2.5	20	0	107	35-165	0			
Carbon tetrachloride	21.21	1.0	20	0	106	65-140	0			
Chlorobenzene	19.71	1.0	20	0	98.6	80-120	0			
Chloroethane	21.69	1.0	20	0	108	60-135	0			
Chloroform	18.97	1.0	20	0	94.8	65-135	0			
Chloromethane	21.15	1.0	20	0	106	70-125	0			
cis-1,2-Dichloroethene	23.33	1.0	20	0	117	70-125	0			
cis-1,3-Dichloropropene	19.6	1.0	20	0	98	70-130	0			
Dibromochloromethane	19.45	1.0	20	0	97.2	60-135	0			
Ethylbenzene	19.31	1.0	20	0	96.6	75-125	0			
m,p-Xylene	40.52	2.0	40	0	101	75-130	0			
Methylene chloride	19.45	5.0	20	0	97.2	55-140	0			
o-Xylene	19.39	1.0	20	0	97	80-120	0			
Styrene	20.26	1.0	20	0	101	65-135	0			
Tetrachloroethene	23.12	2.0	20	0	116	45-150	0			
Toluene	19.83	1.0	20	0	99.2	75-120	0			
trans-1,2-Dichloroethene	20.66	1.0	20	0	103	60-140	0			
trans-1,3-Dichloropropene	19.74	1.0	20	0	98.7	55-140	0			
Trichloroethene	20.63	1.0	20	0	103	70-125	0			
Vinyl chloride	22.47	1.0	20	0	112	50-145	0			
Xylenes, Total	59.91	2.0	60	0	99.8	75-130	0			
Surr: 1,2-Dichloroethane-d4	96.62	0	100	0	96.6	70-120	0			
Surr: 4-Bromofluorobenzene	101.4	0	100	0	101	75-120	0			
Surr: Dibromofluoromethane	98.83	0	100	0	98.8	85-115	0			
Surr: Toluene-d8	95.82	0	100	0	95.8	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85022** Instrument ID **VMS7** Method: **SW8260**

MSD		Sample ID: <b>1012492-33A MSD</b>				Units: <b>µg/L</b>		Analysis Date: <b>12/19/2010 11:25 PM</b>			
Client ID: <b>MTR-MW20(155)-G121610</b>		Run ID: <b>VMS7_101219A</b>				SeqNo: <b>1511941</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.85	1.0	20	0	104	65-130	21	0.717	30		
1,1,2,2-Tetrachloroethane	18.35	1.0	20	0	91.8	65-130	19	3.48	30		
1,1,2-Trichloroethane	18.41	1.0	20	0	92	75-125	18.62	1.13	30		
1,1-Dichloroethane	19.2	1.0	20	0	96	70-135	19.65	2.32	30		
1,1-Dichloroethene	21.02	1.0	20	0	105	70-130	21.31	1.37	30		
1,2-Dichloroethane	19.92	1.0	20	0	99.6	70-130	20.14	1.1	30		
1,2-Dichloropropane	18.92	2.0	20	0	94.6	75-125	19.27	1.83	30		
2-Butanone	16.13	5.0	20	0	80.6	30-150	16.84	4.31	30		
2-Hexanone	16.86	5.0	20	0	84.3	55-130	17.8	5.42	30		
4-Methyl-2-pentanone	15.95	5.0	20	0	79.8	60-135	16.66	4.35	30		
Acetone	28.22	20	20	0	141	40-140	29.53	4.54	30	S	
Benzene	19.57	1.0	20	0	97.8	80-120	20.02	2.27	30		
Bromodichloromethane	19.5	1.0	20	0	97.5	75-120	19.73	1.17	30		
Bromoform	19.15	1.0	20	0	95.8	70-130	19.6	2.32	30		
Bromomethane	26.25	1.0	20	0	131	30-145	26	0.957	30		
Carbon disulfide	21.09	2.5	20	0	105	35-165	21.42	1.55	30		
Carbon tetrachloride	21.16	1.0	20	0	106	65-140	21.21	0.236	30		
Chlorobenzene	19.48	1.0	20	0	97.4	80-120	19.71	1.17	30		
Chloroethane	21.1	1.0	20	0	106	60-135	21.69	2.76	30		
Chloroform	18.75	1.0	20	0	93.8	65-135	18.97	1.17	30		
Chloromethane	20.57	1.0	20	0	103	70-125	21.15	2.78	30		
cis-1,2-Dichloroethene	21.73	1.0	20	0	109	70-125	23.33	7.1	30		
cis-1,3-Dichloropropene	19.3	1.0	20	0	96.5	70-130	19.6	1.54	30		
Dibromochloromethane	19.03	1.0	20	0	95.2	60-135	19.45	2.18	30		
Ethylbenzene	18.93	1.0	20	0	94.6	75-125	19.31	1.99	30		
m,p-Xylene	39.44	2.0	40	0	98.6	75-130	40.52	2.7	30		
Methylene chloride	18.9	5.0	20	0	94.5	55-140	19.45	2.87	30		
o-Xylene	18.98	1.0	20	0	94.9	80-120	19.39	2.14	30		
Styrene	19.85	1.0	20	0	99.2	65-135	20.26	2.04	30		
Tetrachloroethene	23.22	2.0	20	0	116	45-150	23.12	0.432	30		
Toluene	19.52	1.0	20	0	97.6	75-120	19.83	1.58	30		
trans-1,2-Dichloroethene	20.45	1.0	20	0	102	60-140	20.66	1.02	30		
trans-1,3-Dichloropropene	19.34	1.0	20	0	96.7	55-140	19.74	2.05	30		
Trichloroethene	20.36	1.0	20	0	102	70-125	20.63	1.32	30		
Vinyl chloride	21.42	1.0	20	0	107	50-145	22.47	4.78	30		
Xylenes, Total	58.42	2.0	60	0	97.4	75-130	59.91	2.52	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>95.27</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>95.3</i>	<i>70-120</i>	<i>96.62</i>	<i>1.41</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>100.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>75-120</i>	<i>101.4</i>	<i>0.961</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>99.95</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-115</i>	<i>98.83</i>	<i>1.13</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>95.29</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>95.3</i>	<i>85-120</i>	<i>95.82</i>	<i>0.555</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** MACTEC Engineering & Consulting, Inc.

**Work Order:** 1012492

**Project:** Textron-TORX GW Dec. 14-16, 2010

## QC BATCH REPORT

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Batch ID: **R85022**

Instrument ID **VMS7**

Method: **SW8260**

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**The following samples were analyzed in this batch:**

1012492-01A	1012492-19A	1012492-26A
1012492-28A	1012492-29A	1012492-30A
1012492-31A	1012492-32A	1012492-33A
1012492-34A	1012492-35A	1012492-36A
1012492-37A	1012492-38A	1012492-39A
1012492-40A	1012492-41A	1012492-42A

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85023** Instrument ID **VMS8** Method: **SW8260**

MBLK Sample ID: **VBLKW1-101219-R85023** Units: **µg/L** Analysis Date: **12/19/2010 03:09 PM**

Client ID: Run ID: **VMS8\_101219A** SeqNo: **1511790** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Dibromochloromethane	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Methylene chloride	U	5.0								
o-Xylene	U	1.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								
trans-1,2-Dichloroethene	U	1.0								
trans-1,3-Dichloropropene	U	1.0								
Trichloroethene	U	1.0								
Vinyl chloride	U	1.0								
Xylenes, Total	U	2.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>104.9</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>105</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>99.7</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.7</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>105.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>105</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>100.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85023** Instrument ID **VMS8** Method: **SW8260**

LCS		Sample ID: <b>VLCSW1-101219-R85023</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/19/2010 01:50 PM</b>		
Client ID:		Run ID: <b>VMS8_101219A</b>			SeqNo: <b>1511289</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	23.08	1.0	20	0	115	65-130	0			
1,1,2,2-Tetrachloroethane	20.78	1.0	20	0	104	65-130	0			
1,1,2-Trichloroethane	22.35	1.0	20	0	112	75-125	0			
1,1-Dichloroethane	24.34	1.0	20	0	122	70-135	0			
1,1-Dichloroethene	26.5	1.0	20	0	132	70-130	0			S
1,2-Dichloroethane	23.95	1.0	20	0	120	70-130	0			
1,2-Dichloropropane	22.91	2.0	20	0	115	75-125	0			
2-Butanone	20.12	5.0	20	0	101	30-150	0			
2-Hexanone	18.56	5.0	20	0	92.8	55-130	0			
4-Methyl-2-pentanone	19.48	5.0	20	0	97.4	60-135	0			
Acetone	22.72	20	20	0	114	40-140	0			
Benzene	23.58	1.0	20	0	118	80-120	0			
Bromodichloromethane	22.29	1.0	20	0	111	75-120	0			
Bromoform	21.19	1.0	20	0	106	70-130	0			
Bromomethane	23.92	1.0	20	0	120	30-145	0			
Carbon disulfide	26.85	2.5	20	0	134	35-165	0			
Carbon tetrachloride	22.59	1.0	20	0	113	65-140	0			
Chlorobenzene	22.22	1.0	20	0	111	80-120	0			
Chloroethane	22.35	1.0	20	0	112	60-135	0			
Chloroform	21.5	1.0	20	0	108	65-135	0			
Chloromethane	20.56	1.0	20	0	103	70-125	0			
cis-1,2-Dichloroethene	23.61	1.0	20	0	118	70-125	0			
cis-1,3-Dichloropropene	22.5	1.0	20	0	112	70-130	0			
Dibromochloromethane	21	1.0	20	0	105	60-135	0			
Ethylbenzene	23.16	1.0	20	0	116	75-125	0			
m,p-Xylene	47.48	2.0	40	0	119	75-130	0			
Methylene chloride	23.75	5.0	20	0	119	55-140	0			
o-Xylene	23.85	1.0	20	0	119	80-120	0			
Styrene	24.03	1.0	20	0	120	65-135	0			
Tetrachloroethene	22.82	2.0	20	0	114	45-150	0			
Toluene	22.7	1.0	20	0	114	75-120	0			
trans-1,2-Dichloroethene	25.19	1.0	20	0	126	60-140	0			
trans-1,3-Dichloropropene	23.36	1.0	20	0	117	55-140	0			
Trichloroethene	23.56	1.0	20	0	118	70-125	0			
Vinyl chloride	23.77	1.0	20	0	119	50-145	0			
Xylenes, Total	71.33	2.0	60	0	119	75-130	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>101.9</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>102.1</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>103.1</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>99.14</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.1</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85023** Instrument ID **VMS8** Method: **SW8260**

LCSD	Sample ID: <b>VLCSDW1-101219-R85023</b>	Units: <b>µg/L</b>					Analysis Date: <b>12/19/2010 02:16 PM</b>				
Client ID:	Run ID: <b>VMS8_101219A</b>	SeqNo: <b>1511290</b>			Prep Date:		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	22.03	1.0	20	0	110	65-130	23.08	4.66	30		
1,1,2,2-Tetrachloroethane	21.1	1.0	20	0	106	65-130	20.78	1.53	30		
1,1,2-Trichloroethane	22.46	1.0	20	0	112	75-125	22.35	0.491	30		
1,1-Dichloroethane	23.22	1.0	20	0	116	70-135	24.34	4.71	30		
1,1-Dichloroethene	24.94	1.0	20	0	125	70-130	26.5	6.07	30		
1,2-Dichloroethane	23.86	1.0	20	0	119	70-130	23.95	0.376	30		
1,2-Dichloropropane	22.44	2.0	20	0	112	75-125	22.91	2.07	30		
2-Butanone	20.63	5.0	20	0	103	30-150	20.12	2.5	30		
2-Hexanone	19.33	5.0	20	0	96.6	55-130	18.56	4.06	30		
4-Methyl-2-pentanone	20.64	5.0	20	0	103	60-135	19.48	5.78	30		
Acetone	23.24	20	20	0	116	40-140	22.72	2.26	30		
Benzene	22.75	1.0	20	0	114	80-120	23.58	3.58	30		
Bromodichloromethane	21.72	1.0	20	0	109	75-120	22.29	2.59	30		
Bromoform	21.18	1.0	20	0	106	70-130	21.19	0.0472	30		
Bromomethane	22.32	1.0	20	0	112	30-145	23.92	6.92	30		
Carbon disulfide	25.09	2.5	20	0	125	35-165	26.85	6.78	30		
Carbon tetrachloride	21.34	1.0	20	0	107	65-140	22.59	5.69	30		
Chlorobenzene	21.75	1.0	20	0	109	80-120	22.22	2.14	30		
Chloroethane	21.37	1.0	20	0	107	60-135	22.35	4.48	30		
Chloroform	20.82	1.0	20	0	104	65-135	21.5	3.21	30		
Chloromethane	18.25	1.0	20	0	91.2	70-125	20.56	11.9	30		
cis-1,2-Dichloroethene	22.52	1.0	20	0	113	70-125	23.61	4.73	30		
cis-1,3-Dichloropropene	21.95	1.0	20	0	110	70-130	22.5	2.47	30		
Dibromochloromethane	20.85	1.0	20	0	104	60-135	21	0.717	30		
Ethylbenzene	22.71	1.0	20	0	114	75-125	23.16	1.96	30		
m,p-Xylene	46.24	2.0	40	0	116	75-130	47.48	2.65	30		
Methylene chloride	22.81	5.0	20	0	114	55-140	23.75	4.04	30		
o-Xylene	23.63	1.0	20	0	118	80-120	23.85	0.927	30		
Styrene	23.78	1.0	20	0	119	65-135	24.03	1.05	30		
Tetrachloroethene	22.03	2.0	20	0	110	45-150	22.82	3.52	30		
Toluene	22.22	1.0	20	0	111	75-120	22.7	2.14	30		
trans-1,2-Dichloroethene	23.7	1.0	20	0	118	60-140	25.19	6.1	30		
trans-1,3-Dichloropropene	23.19	1.0	20	0	116	55-140	23.36	0.73	30		
Trichloroethene	22.78	1.0	20	0	114	70-125	23.56	3.37	30		
Vinyl chloride	21.96	1.0	20	0	110	50-145	23.77	7.92	30		
Xylenes, Total	69.87	2.0	60	0	116	75-130	71.33	2.07	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>103.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>70-120</i>	<i>101.9</i>	<i>1.35</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>104.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>75-120</i>	<i>102.1</i>	<i>2.33</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>101.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>85-115</i>	<i>103.1</i>	<i>1.23</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>101</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-120</i>	<i>99.14</i>	<i>1.82</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012492

Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85023**

Instrument ID **VMS8**

Method: **SW8260**

MS	Sample ID: <b>1012490-24A MS</b>	Units: <b>µg/L</b>					Analysis Date: <b>12/20/2010 12:15 PM</b>			
Client ID:	Run ID: <b>VMS8_101219A</b>	SeqNo: <b>1511811</b>	Prep Date:	DF: <b>1</b>						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.62	1.0	20	0	108	65-130	0			
1,1,2,2-Tetrachloroethane	19.27	1.0	20	0	96.4	65-130	0			
1,1,2-Trichloroethane	20.35	1.0	20	0	102	75-125	0			
1,1-Dichloroethane	22.12	1.0	20	0	111	70-135	0			
1,1-Dichloroethene	25.08	1.0	20	0	125	70-130	0			
1,2-Dichloroethane	21.83	1.0	20	0	109	70-130	0			
1,2-Dichloropropane	20.68	2.0	20	0	103	75-125	0			
2-Butanone	18.28	5.0	20	0	91.4	30-150	0			
2-Hexanone	17.6	5.0	20	0	88	55-130	0			
4-Methyl-2-pentanone	18.48	5.0	20	0	92.4	60-135	0			
Acetone	23.86	20	20	0	119	40-140	0			
Benzene	21.68	1.0	20	0	108	80-120	0			
Bromodichloromethane	20.35	1.0	20	0	102	75-120	0			
Bromoform	19.26	1.0	20	0	96.3	70-130	0			
Bromomethane	11.25	1.0	20	0	56.2	30-145	0			
Carbon disulfide	24.53	2.5	20	0	123	35-165	0			
Carbon tetrachloride	21.68	1.0	20	0	108	65-140	0			
Chlorobenzene	20.07	1.0	20	0	100	80-120	0			
Chloroethane	20.22	1.0	20	0	101	60-135	0			
Chloroform	19.66	1.0	20	0	98.3	65-135	0			
Chloromethane	16.43	1.0	20	0	82.2	70-125	0			
cis-1,2-Dichloroethene	21.24	1.0	20	0	106	70-125	0			
cis-1,3-Dichloropropene	18.84	1.0	20	0	94.2	70-130	0			
Dibromochloromethane	18.87	1.0	20	0	94.4	60-135	0			
Ethylbenzene	21.03	1.0	20	0	105	75-125	0			
m,p-Xylene	42.84	2.0	40	0	107	75-130	0			
Methylene chloride	21.36	5.0	20	0	107	55-140	0			
o-Xylene	21.48	1.0	20	0	107	80-120	0			
Styrene	21.27	1.0	20	0	106	65-135	0			
Tetrachloroethene	21.24	2.0	20	0	106	45-150	0			
Toluene	20.56	1.0	20	0	103	75-120	0			
trans-1,2-Dichloroethene	23.31	1.0	20	0	117	60-140	0			
trans-1,3-Dichloropropene	19.21	1.0	20	0	96	55-140	0			
Trichloroethene	21.7	1.0	20	0	108	70-125	0			
Vinyl chloride	21.94	1.0	20	0	110	50-145	0			
Xylenes, Total	64.32	2.0	60	0	107	75-130	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>106.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>106</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>104.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>105.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>106</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>99.75</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.8</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85023** Instrument ID **VMS8** Method: **SW8260**

MSD		Sample ID: <b>1012490-24A MSD</b>				Units: <b>µg/L</b>		Analysis Date: <b>12/20/2010 12:41 PM</b>			
Client ID:		Run ID: <b>VMS8_101219A</b>				SeqNo: <b>1511812</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.71	1.0	20	0	104	65-130	21.62	4.3	30		
1,1,2,2-Tetrachloroethane	18.87	1.0	20	0	94.4	65-130	19.27	2.1	30		
1,1,2-Trichloroethane	19.69	1.0	20	0	98.4	75-125	20.35	3.3	30		
1,1-Dichloroethane	21.6	1.0	20	0	108	70-135	22.12	2.38	30		
1,1-Dichloroethene	23.75	1.0	20	0	119	70-130	25.08	5.45	30		
1,2-Dichloroethane	21.45	1.0	20	0	107	70-130	21.83	1.76	30		
1,2-Dichloropropane	20.19	2.0	20	0	101	75-125	20.68	2.4	30		
2-Butanone	18.15	5.0	20	0	90.8	30-150	18.28	0.714	30		
2-Hexanone	17.6	5.0	20	0	88	55-130	17.6	0	30		
4-Methyl-2-pentanone	18.43	5.0	20	0	92.2	60-135	18.48	0.271	30		
Acetone	24.62	20	20	0	123	40-140	23.86	3.14	30		
Benzene	21.05	1.0	20	0	105	80-120	21.68	2.95	30		
Bromodichloromethane	19.6	1.0	20	0	98	75-120	20.35	3.75	30		
Bromoform	18.25	1.0	20	0	91.2	70-130	19.26	5.39	30		
Bromomethane	16.73	1.0	20	0	83.6	30-145	11.25	39.2	30	R	
Carbon disulfide	22.82	2.5	20	0	114	35-165	24.53	7.22	30		
Carbon tetrachloride	20.18	1.0	20	0	101	65-140	21.68	7.17	30		
Chlorobenzene	19.79	1.0	20	0	99	80-120	20.07	1.4	30		
Chloroethane	19.5	1.0	20	0	97.5	60-135	20.22	3.63	30		
Chloroform	19	1.0	20	0	95	65-135	19.66	3.41	30		
Chloromethane	15.83	1.0	20	0	79.2	70-125	16.43	3.72	30		
cis-1,2-Dichloroethene	20.98	1.0	20	0	105	70-125	21.24	1.23	30		
cis-1,3-Dichloropropene	18.57	1.0	20	0	92.8	70-130	18.84	1.44	30		
Dibromochloromethane	18.12	1.0	20	0	90.6	60-135	18.87	4.06	30		
Ethylbenzene	20.48	1.0	20	0	102	75-125	21.03	2.65	30		
m,p-Xylene	41.86	2.0	40	0	105	75-130	42.84	2.31	30		
Methylene chloride	20.8	5.0	20	0	104	55-140	21.36	2.66	30		
o-Xylene	20.91	1.0	20	0	105	80-120	21.48	2.69	30		
Styrene	21.12	1.0	20	0	106	65-135	21.27	0.708	30		
Tetrachloroethene	20.43	2.0	20	0	102	45-150	21.24	3.89	30		
Toluene	20.15	1.0	20	0	101	75-120	20.56	2.01	30		
trans-1,2-Dichloroethene	22.61	1.0	20	0	113	60-140	23.31	3.05	30		
trans-1,3-Dichloropropene	18.91	1.0	20	0	94.6	55-140	19.21	1.57	30		
Trichloroethene	21.22	1.0	20	0	106	70-125	21.7	2.24	30		
Vinyl chloride	21.1	1.0	20	0	106	50-145	21.94	3.9	30		
Xylenes, Total	62.77	2.0	60	0	105	75-130	64.32	2.44	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>104.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>70-120</i>	<i>106.2</i>	<i>1.73</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>103.9</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>75-120</i>	<i>104.3</i>	<i>0.375</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>104.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>85-115</i>	<i>105.8</i>	<i>1.36</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>99.98</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-120</i>	<i>99.75</i>	<i>0.23</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** MACTEC Engineering & Consulting, Inc.

**Work Order:** 1012492

**Project:** Textron-TORX GW Dec. 14-16, 2010

## QC BATCH REPORT

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Batch ID: **R85023**

Instrument ID **VMS8**

Method: **SW8260**

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**The following samples were analyzed in this batch:**

1012492-09A	1012492-15A	1012492-16A
1012492-17A	1012492-18A	1012492-22A
1012492-23A	1012492-24A	1012492-25A
1012492-27A		

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

# QC BATCH REPORT

Work Order: 1012492

Project: Textron-TORX GW Dec. 14-16, 2010

Batch ID: **R85048A**

Instrument ID **VMS5**

Method: **SW8260**

**MBLK** Sample ID: **VBLKW2-101219-R85048A** Units: **µg/L** Analysis Date: **12/20/2010 12:18 PM**

Client ID: Run ID: **VMS5\_101219B** SeqNo: **1511896** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	2.0								
2-Butanone	U	5.0								
2-Hexanone	U	5.0								
4-Methyl-2-pentanone	U	5.0								
Acetone	U	20								
Benzene	U	1.0								
Bromodichloromethane	U	1.0								
Bromoform	U	1.0								
Bromomethane	U	1.0								
Carbon disulfide	U	2.5								
Carbon tetrachloride	U	1.0								
Chlorobenzene	U	1.0								
Chloroethane	U	1.0								
Chloroform	U	1.0								
Chloromethane	U	1.0								
cis-1,2-Dichloroethene	U	1.0								
cis-1,3-Dichloropropene	U	1.0								
Dibromochloromethane	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Methylene chloride	U	5.0								
o-Xylene	U	1.0								
Styrene	U	1.0								
Tetrachloroethene	U	2.0								
Toluene	U	1.0								
trans-1,2-Dichloroethene	U	1.0								
trans-1,3-Dichloropropene	U	1.0								
Trichloroethene	U	1.0								
Vinyl chloride	U	1.0								
Xylenes, Total	U	2.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>102.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>91.28</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>91.3</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>101.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>99.74</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.7</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012492

Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85048A**

Instrument ID **VMS5**

Method: **SW8260**

LCS Sample ID: **VLCSW2-101219-R85048A** Units: **µg/L** Analysis Date: **12/19/2010 10:59 PM**

Client ID: Run ID: **VMS5\_101219B** SeqNo: **1511864** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.36	1.0	20	0	102	65-130	0			
1,1,2,2-Tetrachloroethane	19.58	1.0	20	0	97.9	65-130	0			
1,1,2-Trichloroethane	18.97	1.0	20	0	94.8	75-125	0			
1,1-Dichloroethane	20.84	1.0	20	0	104	70-135	0			
1,1-Dichloroethene	21.8	1.0	20	0	109	70-130	0			
1,2-Dichloroethane	19.77	1.0	20	0	98.8	70-130	0			
1,2-Dichloropropane	19.97	2.0	20	0	99.8	75-125	0			
2-Butanone	22.76	5.0	20	0	114	30-150	0			
2-Hexanone	18.75	5.0	20	0	93.8	55-130	0			
4-Methyl-2-pentanone	18.75	5.0	20	0	93.8	60-135	0			
Acetone	22.7	20	20	0	114	40-140	0			
Benzene	20.12	1.0	20	0	101	80-120	0			
Bromodichloromethane	20.54	1.0	20	0	103	75-120	0			
Bromoform	20.79	1.0	20	0	104	70-130	0			
Bromomethane	17.52	1.0	20	0	87.6	30-145	0			
Carbon disulfide	25.19	2.5	20	0	126	35-165	0			
Carbon tetrachloride	19.97	1.0	20	0	99.8	65-140	0			
Chlorobenzene	19.64	1.0	20	0	98.2	80-120	0			
Chloroethane	17.46	1.0	20	0	87.3	60-135	0			
Chloroform	19.82	1.0	20	0	99.1	65-135	0			
Chloromethane	17.67	1.0	20	0	88.4	70-125	0			
cis-1,2-Dichloroethene	19.51	1.0	20	0	97.6	70-125	0			
cis-1,3-Dichloropropene	19.98	1.0	20	0	99.9	70-130	0			
Dibromochloromethane	21.31	1.0	20	0	107	60-135	0			
Ethylbenzene	19.39	1.0	20	0	97	75-125	0			
m,p-Xylene	39.56	2.0	40	0	98.9	75-130	0			
Methylene chloride	20.82	5.0	20	0	104	55-140	0			
o-Xylene	19.4	1.0	20	0	97	80-120	0			
Styrene	20	1.0	20	0	100	65-135	0			
Tetrachloroethene	19.74	2.0	20	0	98.7	45-150	0			
Toluene	19.65	1.0	20	0	98.2	75-120	0			
trans-1,2-Dichloroethene	20.48	1.0	20	0	102	60-140	0			
trans-1,3-Dichloropropene	21.43	1.0	20	0	107	55-140	0			
Trichloroethene	19.74	1.0	20	0	98.7	70-125	0			
Vinyl chloride	18.58	1.0	20	0	92.9	50-145	0			
Xylenes, Total	58.96	2.0	60	0	98.3	75-130	0			
Surr: 1,2-Dichloroethane-d4	100.3	0	100	0	100	70-120	0			
Surr: 4-Bromofluorobenzene	100.3	0	100	0	100	75-120	0			
Surr: Dibromofluoromethane	100.8	0	100	0	101	85-115	0			
Surr: Toluene-d8	99.07	0	100	0	99.1	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85048A** Instrument ID **VMS5** Method: **SW8260**

LCSD	Sample ID: <b>VLCS DW2-101219-R85048A</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/19/2010 11:26 PM</b>			
Client ID:	Run ID: <b>VMS5_101219B</b>			SeqNo: <b>1511865</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	19.1	1.0	20	0	95.5	65-130	20.36	6.39	30	
1,1,2,2-Tetrachloroethane	19.64	1.0	20	0	98.2	65-130	19.58	0.306	30	
1,1,2-Trichloroethane	18.96	1.0	20	0	94.8	75-125	18.97	0.0527	30	
1,1-Dichloroethane	19.64	1.0	20	0	98.2	70-135	20.84	5.93	30	
1,1-Dichloroethene	21.07	1.0	20	0	105	70-130	21.8	3.41	30	
1,2-Dichloroethane	19.19	1.0	20	0	96	70-130	19.77	2.98	30	
1,2-Dichloropropane	18.93	2.0	20	0	94.6	75-125	19.97	5.35	30	
2-Butanone	19.42	5.0	20	0	97.1	30-150	22.76	15.8	30	
2-Hexanone	19.02	5.0	20	0	95.1	55-130	18.75	1.43	30	
4-Methyl-2-pentanone	19.1	5.0	20	0	95.5	60-135	18.75	1.85	30	
Acetone	24.03	20	20	0	120	40-140	22.7	5.69	30	
Benzene	19.08	1.0	20	0	95.4	80-120	20.12	5.31	30	
Bromodichloromethane	19.71	1.0	20	0	98.6	75-120	20.54	4.12	30	
Bromoform	20.76	1.0	20	0	104	70-130	20.79	0.144	30	
Bromomethane	16.21	1.0	20	0	81	30-145	17.52	7.77	30	
Carbon disulfide	24.2	2.5	20	0	121	35-165	25.19	4.01	30	
Carbon tetrachloride	18.78	1.0	20	0	93.9	65-140	19.97	6.14	30	
Chlorobenzene	18.99	1.0	20	0	95	80-120	19.64	3.37	30	
Chloroethane	17.18	1.0	20	0	85.9	60-135	17.46	1.62	30	
Chloroform	19.2	1.0	20	0	96	65-135	19.82	3.18	30	
Chloromethane	16.51	1.0	20	0	82.6	70-125	17.67	6.79	30	
cis-1,2-Dichloroethene	18.73	1.0	20	0	93.6	70-125	19.51	4.08	30	
cis-1,3-Dichloropropene	18.88	1.0	20	0	94.4	70-130	19.98	5.66	30	
Dibromochloromethane	20.66	1.0	20	0	103	60-135	21.31	3.1	30	
Ethylbenzene	18.78	1.0	20	0	93.9	75-125	19.39	3.2	30	
m,p-Xylene	37.99	2.0	40	0	95	75-130	39.56	4.05	30	
Methylene chloride	20.23	5.0	20	0	101	55-140	20.82	2.87	30	
o-Xylene	18.78	1.0	20	0	93.9	80-120	19.4	3.25	30	
Styrene	19.16	1.0	20	0	95.8	65-135	20	4.29	30	
Tetrachloroethene	18.8	2.0	20	0	94	45-150	19.74	4.88	30	
Toluene	19	1.0	20	0	95	75-120	19.65	3.36	30	
trans-1,2-Dichloroethene	19.39	1.0	20	0	97	60-140	20.48	5.47	30	
trans-1,3-Dichloropropene	21.11	1.0	20	0	106	55-140	21.43	1.5	30	
Trichloroethene	18.56	1.0	20	0	92.8	70-125	19.74	6.16	30	
Vinyl chloride	17.1	1.0	20	0	85.5	50-145	18.58	8.3	30	
Xylenes, Total	56.77	2.0	60	0	94.6	75-130	58.96	3.78	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>98.11</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98.1</i>	<i>70-120</i>	<i>100.3</i>	<i>2.25</i>	<i>30</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>100.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>75-120</i>	<i>100.3</i>	<i>0.338</i>	<i>30</i>	
<i>Surr: Dibromofluoromethane</i>	<i>101.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-115</i>	<i>100.8</i>	<i>0.495</i>	<i>30</i>	
<i>Surr: Toluene-d8</i>	<i>100.4</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-120</i>	<i>99.07</i>	<i>1.37</i>	<i>30</i>	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1012492

Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85048A**

Instrument ID **VMS5**

Method: **SW8260**

MS		Sample ID: <b>1012452-04A MS</b>			Units: <b>µg/Kg</b>			Analysis Date: <b>12/20/2010 08:38 AM</b>		
Client ID:		Run ID: <b>VMS5_101219B</b>			SeqNo: <b>1511908</b>		Prep Date:		DF: <b>100</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1832	100	2000	0	91.6	70-135	0			
1,1,2,2-Tetrachloroethane	1955	200	2000	0	97.8	55-130	0			
1,1,2-Trichloroethane	1775	200	2000	0	88.8	60-125	0			
1,1-Dichloroethane	1978	100	2000	0	98.9	75-125	0			
1,1-Dichloroethene	2112	100	2000	0	106	65-135	0			
1,2-Dichloroethane	1892	100	2000	0	94.6	70-135	0			
1,2-Dichloropropane	1839	350	2000	0	92	70-120	0			
2-Butanone	2193	750	2000	0	110	30-160	0			
2-Hexanone	1875	500	2000	0	93.8	45-145	0			
4-Methyl-2-pentanone	1903	500	2000	0	95.2	45-145	0			
Acetone	2993	450	2000	0	150	20-160	0			
Benzene	1860	100	2000	0	93	75-125	0			
Bromodichloromethane	1959	150	2000	0	98	70-130	0			
Bromoform	2001	100	2000	0	100	55-135	0			
Bromomethane	997	150	2000	0	49.8	30-160	0			
Carbon disulfide	2378	150	2000	0	119	45-160	0			
Carbon tetrachloride	1809	100	2000	0	90.4	65-135	0			
Chlorobenzene	1785	150	2000	0	89.2	75-125	0			
Chloroethane	1726	300	2000	0	86.3	40-155	0			
Chloroform	1914	100	2000	0	95.7	70-125	0			
Chloromethane	1498	300	2000	0	74.9	50-130	0			
cis-1,2-Dichloroethene	1683	200	2000	0	84.2	65-125	0			
cis-1,3-Dichloropropene	1590	100	2000	0	79.5	70-125	0			
Dibromochloromethane	1985	200	2000	0	99.2	65-135	0			
Ethylbenzene	1769	200	2000	0	88.4	75-125	0			
m,p-Xylene	3600	200	4000	0	90	80-125	0			
Methylene chloride	2107	200	2000	0	105	55-145	0			
o-Xylene	1779	100	2000	0	89	75-125	0			
Styrene	1845	150	2000	0	92.2	75-125	0			
Tetrachloroethene	1725	100	2000	0	86.2	64-140	0			
Toluene	1780	150	2000	0	89	70-125	0			
trans-1,2-Dichloroethene	1888	100	2000	0	94.4	65-135	0			
trans-1,3-Dichloropropene	1685	150	2000	0	84.2	65-125	0			
Trichloroethene	1790	100	2000	0	89.5	75-125	0			
Vinyl chloride	1584	200	2000	0	79.2	60-125	0			
Xylenes, Total	5379	300	6000	0	89.6	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>10050</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>101</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>10540</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>105</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>10320</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>103</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>9833</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>98.3</i>	<i>85-115</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

# QC BATCH REPORT

Work Order: 1012492

Project: Textron-TORX GW Dec. 14-16, 2010

Batch ID: R85048A

Instrument ID VMS5

Method: SW8260

MSD		Sample ID: 1012452-04A MSD			Units: µg/Kg			Analysis Date: 12/20/2010 09:04 AM		
Client ID:		Run ID: VMS5_101219B			SeqNo: 1511910		Prep Date:		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1860	100	2000	0	93	70-135	1832	1.52	30	
1,1,2,2-Tetrachloroethane	1927	200	2000	0	96.4	55-130	1955	1.44	30	
1,1,2-Trichloroethane	1805	200	2000	0	90.2	60-125	1775	1.68	30	
1,1-Dichloroethane	1956	100	2000	0	97.8	75-125	1978	1.12	30	
1,1-Dichloroethene	2134	100	2000	0	107	65-135	2112	1.04	30	
1,2-Dichloroethane	1896	100	2000	0	94.8	70-135	1892	0.211	30	
1,2-Dichloropropane	1903	350	2000	0	95.2	70-120	1839	3.42	30	
2-Butanone	2177	750	2000	0	109	30-160	2193	0.732	30	
2-Hexanone	1869	500	2000	0	93.4	45-145	1875	0.321	30	
4-Methyl-2-pentanone	1899	500	2000	0	95	45-145	1903	0.21	30	
Acetone	3011	450	2000	0	151	20-160	2993	0.6	30	
Benzene	1862	100	2000	0	93.1	75-125	1860	0.107	30	
Bromodichloromethane	1965	150	2000	0	98.2	70-130	1959	0.306	30	
Bromoform	1966	100	2000	0	98.3	55-135	2001	1.76	30	
Bromomethane	1222	150	2000	0	61.1	30-160	997	20.3	30	
Carbon disulfide	2318	150	2000	0	116	45-160	2378	2.56	30	
Carbon tetrachloride	1834	100	2000	0	91.7	65-135	1809	1.37	30	
Chlorobenzene	1791	150	2000	0	89.6	75-125	1785	0.336	30	
Chloroethane	1658	300	2000	0	82.9	40-155	1726	4.02	30	
Chloroform	1878	100	2000	0	93.9	70-125	1914	1.9	30	
Chloromethane	1574	300	2000	0	78.7	50-130	1498	4.95	30	
cis-1,2-Dichloroethene	1687	200	2000	0	84.4	65-125	1683	0.237	30	
cis-1,3-Dichloropropene	1619	100	2000	0	81	70-125	1590	1.81	30	
Dibromochloromethane	1964	200	2000	0	98.2	65-135	1985	1.06	30	
Ethylbenzene	1760	200	2000	0	88	75-125	1769	0.51	30	
m,p-Xylene	3591	200	4000	0	89.8	80-125	3600	0.25	30	
Methylene chloride	2066	200	2000	0	103	55-145	2107	1.97	30	
o-Xylene	1784	100	2000	0	89.2	75-125	1779	0.281	30	
Styrene	1831	150	2000	0	91.6	75-125	1845	0.762	30	
Tetrachloroethene	1767	100	2000	0	88.4	64-140	1725	2.41	30	
Toluene	1791	150	2000	0	89.6	70-125	1780	0.616	30	
trans-1,2-Dichloroethene	1851	100	2000	0	92.6	65-135	1888	1.98	30	
trans-1,3-Dichloropropene	1684	150	2000	0	84.2	65-125	1685	0.0594	30	
Trichloroethene	1802	100	2000	0	90.1	75-125	1790	0.668	30	
Vinyl chloride	1646	200	2000	0	82.3	60-125	1584	3.84	30	
Xylenes, Total	5375	300	6000	0	89.6	75-125	5379	0.0744	30	
Surr: 1,2-Dichloroethane-d4	10010	0	10000	0	100	70-120	10050	0.429	30	
Surr: 4-Bromofluorobenzene	10280	0	10000	0	103	75-120	10540	2.48	30	
Surr: Dibromofluoromethane	10190	0	10000	0	102	85-115	10320	1.3	30	
Surr: Toluene-d8	9821	0	10000	0	98.2	85-115	9833	0.122	30	

The following samples were analyzed in this batch:

1012492-02A	1012492-08A	1012492-10A
1012492-11A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85060** Instrument ID **VMS6** Method: **SW8260**

MBLK		Sample ID: <b>VBLKW1-101220-R85060</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/20/2010 11:46 AM</b>		
Client ID:		Run ID: <b>VMS6_101220A</b>			SeqNo: <b>1513038</b>			Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	U	1.0								
Trichloroethene	U	1.0								
Vinyl chloride	U	1.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>102.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>97.66</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>97.7</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>100.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>99.42</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.4</i>	<i>85-120</i>	<i>0</i>			

LCS		Sample ID: <b>VLCSW1-1012220-R85060</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/20/2010 10:27 AM</b>		
Client ID:		Run ID: <b>VMS6_101220A</b>			SeqNo: <b>1511962</b>			Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	19.79	1.0	20	0	99	70-125	0			
Trichloroethene	19.82	1.0	20	0	99.1	70-125	0			
Vinyl chloride	18.34	1.0	20	0	91.7	50-145	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>101.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>100.1</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>106.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>106</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>101.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>85-120</i>	<i>0</i>			

LCSD		Sample ID: <b>VLCSDW1-101220-R85060</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/20/2010 10:55 AM</b>		
Client ID:		Run ID: <b>VMS6_101220A</b>			SeqNo: <b>1511973</b>			Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	18.75	1.0	20	0	93.8	70-125	19.79	5.4	30	
Trichloroethene	18.2	1.0	20	0	91	70-125	19.82	8.52	30	
Vinyl chloride	16.68	1.0	20	0	83.4	50-145	18.34	9.48	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>101</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>70-120</i>	<i>101.6</i>	<i>0.602</i>	<i>30</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>99.56</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.6</i>	<i>75-120</i>	<i>100.1</i>	<i>0.521</i>	<i>30</i>	
<i>Surr: Dibromofluoromethane</i>	<i>105.4</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>105</i>	<i>85-115</i>	<i>106.3</i>	<i>0.916</i>	<i>30</i>	
<i>Surr: Toluene-d8</i>	<i>99.59</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.6</i>	<i>85-120</i>	<i>101.6</i>	<i>2.03</i>	<i>30</i>	

The following samples were analyzed in this batch:

1012492-01A	1012492-02A	1012492-30A
1012492-31A	1012492-35A	1012492-36A
1012492-37A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85071** Instrument ID **VMS5** Method: **SW8260**

MBLK		Sample ID: <b>VBLKW1-101220-R85071</b>				Units: <b>µg/L</b>		Analysis Date: <b>12/20/2010 12:53 PM</b>			
Client ID:		Run ID: <b>VMS5_101220A</b>				SeqNo: <b>1512935</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1-Dichloroethene	U	1.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
Trichloroethene	U	1.0									
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>103.4</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>70-120</i>	<i>0</i>				
<i>Surr: 4-Bromofluorobenzene</i>	<i>92.47</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>92.5</i>	<i>75-120</i>	<i>0</i>				
<i>Surr: Dibromofluoromethane</i>	<i>101.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>85-115</i>	<i>0</i>				
<i>Surr: Toluene-d8</i>	<i>101.9</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>85-120</i>	<i>0</i>				

LCS		Sample ID: <b>VLCSW1-101220-R85071</b>				Units: <b>µg/L</b>		Analysis Date: <b>12/20/2010 11:34 AM</b>			
Client ID:		Run ID: <b>VMS5_101220A</b>				SeqNo: <b>1512089</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1-Dichloroethene	23.82	1.0	20	0	119	70-130	0				
Toluene	20.11	1.0	20	0	101	75-120	0				
trans-1,2-Dichloroethene	21.15	1.0	20	0	106	60-140	0				
Trichloroethene	20.46	1.0	20	0	102	70-125	0				
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>100.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>70-120</i>	<i>0</i>				
<i>Surr: 4-Bromofluorobenzene</i>	<i>99.7</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.7</i>	<i>75-120</i>	<i>0</i>				
<i>Surr: Dibromofluoromethane</i>	<i>103.7</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>85-115</i>	<i>0</i>				
<i>Surr: Toluene-d8</i>	<i>99.47</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.5</i>	<i>85-120</i>	<i>0</i>				

LCSD		Sample ID: <b>VLCSDW1-101220-R85071</b>				Units: <b>µg/L</b>		Analysis Date: <b>12/20/2010 12:01 PM</b>			
Client ID:		Run ID: <b>VMS5_101220A</b>				SeqNo: <b>1512188</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1-Dichloroethene	20.78	1.0	20	0	104	70-130	23.82	13.6	30		
Toluene	18.12	1.0	20	0	90.6	75-120	20.11	10.4	30		
trans-1,2-Dichloroethene	18.63	1.0	20	0	93.2	60-140	21.15	12.7	30		
Trichloroethene	18.46	1.0	20	0	92.3	70-125	20.46	10.3	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>98.94</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98.9</i>	<i>70-120</i>	<i>100.3</i>	<i>1.35</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>101.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>75-120</i>	<i>99.7</i>	<i>2.1</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>103.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>85-115</i>	<i>103.7</i>	<i>0.125</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>99.32</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.3</i>	<i>85-120</i>	<i>99.47</i>	<i>0.151</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85071** Instrument ID **VMS5** Method: **SW8260**

MS		Sample ID: 1012427-02A MS				Units: µg/L		Analysis Date: 12/20/2010 09:11 PM		
Client ID:		Run ID: VMS5_101220A				SeqNo: 1512939		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	23.13	1.0	20	0	116	70-130	0			
Toluene	19.37	1.0	20	0	96.8	75-120	0			
trans-1,2-Dichloroethene	20.36	1.0	20	0	102	60-140	0			
Trichloroethene	19.55	1.0	20	0	97.8	70-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>100.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>102.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>102.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>100.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-120</i>	<i>0</i>			

MSD		Sample ID: 1012427-02A MSD				Units: µg/L		Analysis Date: 12/20/2010 09:37 PM		
Client ID:		Run ID: VMS5_101220A				SeqNo: 1512940		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	22.3	1.0	20	0	112	70-130	23.13	3.65	30	
Toluene	18.69	1.0	20	0	93.4	75-120	19.37	3.57	30	
trans-1,2-Dichloroethene	19.62	1.0	20	0	98.1	60-140	20.36	3.7	30	
Trichloroethene	19.19	1.0	20	0	96	70-125	19.55	1.86	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>98.51</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98.5</i>	<i>70-120</i>	<i>100.8</i>	<i>2.34</i>	<i>30</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>97.19</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>97.2</i>	<i>75-120</i>	<i>102.6</i>	<i>5.37</i>	<i>30</i>	
<i>Surr: Dibromofluoromethane</i>	<i>100.9</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-115</i>	<i>102.6</i>	<i>1.73</i>	<i>30</i>	
<i>Surr: Toluene-d8</i>	<i>98.94</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>98.9</i>	<i>85-120</i>	<i>100.5</i>	<i>1.55</i>	<i>30</i>	

The following samples were analyzed in this batch:

1012492-35A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1012492  
 Project: Textron-TORX GW Dec. 14-16, 2010

# QC BATCH REPORT

Batch ID: **R85114** Instrument ID **VMS6** Method: **SW8260**

MBLK		Sample ID: <b>VBLKW1-101221-R85114</b>			Units: <b>µg/L</b>		Analysis Date: <b>12/21/2010 10:48 AM</b>			
Client ID:		Run ID: <b>VMS6_101221A</b>			SeqNo: <b>1513817</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	U	1.0								
Vinyl chloride	U	1.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	102.6	0	100	0	103	70-120	0			
<i>Surr: 4-Bromofluorobenzene</i>	98.6	0	100	0	98.6	75-120	0			
<i>Surr: Dibromofluoromethane</i>	102.6	0	100	0	103	85-115	0			
<i>Surr: Toluene-d8</i>	98.9	0	100	0	98.9	85-120	0			

LCS		Sample ID: <b>VLCSW1-101221-R85114</b>			Units: <b>µg/L</b>		Analysis Date: <b>12/21/2010 09:31 AM</b>			
Client ID:		Run ID: <b>VMS6_101221A</b>			SeqNo: <b>1513190</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	20.08	1.0	20	0	100	70-125	0			
Vinyl chloride	17.71	1.0	20	0	88.6	50-145	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	102.5	0	100	0	102	70-120	0			
<i>Surr: 4-Bromofluorobenzene</i>	99.77	0	100	0	99.8	75-120	0			
<i>Surr: Dibromofluoromethane</i>	106.4	0	100	0	106	85-115	0			
<i>Surr: Toluene-d8</i>	99.66	0	100	0	99.7	85-120	0			

LCSD		Sample ID: <b>VLCSW1-101221-R85114</b>			Units: <b>µg/L</b>		Analysis Date: <b>12/21/2010 09:57 AM</b>			
Client ID:		Run ID: <b>VMS6_101221A</b>			SeqNo: <b>1513191</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	19.26	1.0	20	0	96.3	70-125	20.08	4.17	30	
Vinyl chloride	16.67	1.0	20	0	83.4	50-145	17.71	6.05	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	101.2	0	100	0	101	70-120	102.5	1.24	30	
<i>Surr: 4-Bromofluorobenzene</i>	101.2	0	100	0	101	75-120	99.77	1.4	30	
<i>Surr: Dibromofluoromethane</i>	106.2	0	100	0	106	85-115	106.4	0.207	30	
<i>Surr: Toluene-d8</i>	99.39	0	100	0	99.4	85-120	99.66	0.271	30	

MS		Sample ID: <b>1012520-07A MS</b>			Units: <b>µg/L</b>		Analysis Date: <b>12/21/2010 07:18 PM</b>			
Client ID:		Run ID: <b>VMS6_101221A</b>			SeqNo: <b>1514698</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	19.76	1.0	20	0	98.8	70-125	0			
Vinyl chloride	19.22	1.0	20	0	96.1	50-145	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	102.2	0	100	0	102	70-120	0			
<i>Surr: 4-Bromofluorobenzene</i>	100.1	0	100	0	100	75-120	0			
<i>Surr: Dibromofluoromethane</i>	105.8	0	100	0	106	85-115	0			
<i>Surr: Toluene-d8</i>	98.53	0	100	0	98.5	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

# QC BATCH REPORT

Work Order: 1012492

Project: Textron-TORX GW Dec. 14-16, 2010

Batch ID: **R85114**

Instrument ID **VMS6**

Method: **SW8260**

**MSD** Sample ID: **1012520-07A MSD** Units: **µg/L** Analysis Date: **12/21/2010 07:43 PM**

Client ID: Run ID: **VMS6\_101221A** SeqNo: **1514704** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	20.1	1.0	20	0	100	70-125	19.76	1.71	30	
Vinyl chloride	18.89	1.0	20	0	94.4	50-145	19.22	1.73	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>101.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>102</i>	<i>70-120</i>	<i>102.2</i>	<i>0.294</i>	<i>30</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>101.4</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>75-120</i>	<i>100.1</i>	<i>1.28</i>	<i>30</i>	
<i>Surr: Dibromofluoromethane</i>	<i>105</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>105</i>	<i>85-115</i>	<i>105.8</i>	<i>0.749</i>	<i>30</i>	
<i>Surr: Toluene-d8</i>	<i>99.41</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.4</i>	<i>85-120</i>	<i>98.53</i>	<i>0.889</i>	<i>30</i>	

The following samples were analyzed in this batch:

1012492-19A	1012492-29A	1012492-34A
1012492-35A	1012492-38A	1012492-39A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.





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Page 1 of 5

ALS Project Manager:

ALS Work Order #: 1012492

Table with 3 main columns: Customer Information, Project Information, and Parameter/Method Request for Analysis. Includes fields for Purchase Order, Work Order, Company Name, Address, City/State/Zip, Phone, Fax, e-Mail Address, Project Name, Project Number, Bill To Company, Invoice Attn, and various analysis parameters (A-J).

Table with columns: No., Sample Description, Date, Time, Matrix, Pres., # Bottles, and analysis parameters A-J. Contains handwritten entries for 10 samples, including MTR-MW13-G121410, MTR-MW19-G121410, MTR-MW24(55.4)-G121410R, MTR-MW50(50)-G121410, MTR-MW50(45)-G121410, MTR-MW50(80)-G121410, MTR-MW30(41.1)-G121410, MTR-MW50(130)-G121410, MTR-EB001-121410, and MTR-MW24(55.4)-G121410. Matrix types include GW and Water. A circled 'Wdg' is present in the table.

Sampler(s) Please Print & Sign: W. Duwayne Gross + Mike Day
Shipment Method: ALS Pickup
Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour
Results Due Date:

Table for laboratory processing details. Includes fields for Relinquished by (Date/Time), Received by (Date/Time), Logged by (Date/Time), Checked by (Date/Time), Cooler ID, Cooler Temp (1.2C), and QC Package options (Level II Std QC, Level III Std QC/Raw Date, Level IV SW846/CLP, TRRP Checklist, TRRP Level IV).

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
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# Chain of Custody Form

Page 2 of 5

COC ID: **11957**

**ALS Environmental**  
 3352 128th Ave.  
 Holland, MI 49424-9263  
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ALS Project Manager: \_\_\_\_\_ ALS Work Order #: **1012492**

Customer Information		Project Information				Parameter/Method Request for Analysis										
Purchase Order		Project Name	Textron- TORX-GW Qrtly GW			A	TCL Volatiles by EPA 8260									
Work Order		Project Number				B	Total Metals: Pb, Cr, Cu, Cd									
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.			C	Dissolved Metals: Pb, Cr, Cu, Cd									
Send Report To	Paul Stork	Invoice Attn	Paul Stork			D										
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204			E										
						F										
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342			G										
Phone	(937) 859-3600	Phone	(937) 859-3600			H										
Fax	(937) 859-7951	Fax	(937) 859-7951			I										
e-Mail Address		e-Mail Address				J										

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MTR-EB000-121410	12/14/10	1635	EB <sup>water</sup>	8	3	X										
2	MTR-TB001-121410	12/14/10	---	TB	8	3	X										
<del>3</del>	<del>MTR-MW11-G121510</del>	<del>12/15/10</del>	<del>0945</del>	<del>GW</del>	<del>8</del>	<del>3</del>	<del>X</del>										
4	MTR-EB001-121510	12/15/10	1550	EB <sup>water</sup>	8	3	X										
5	MTR-EB000-121510	12/15/10	1500	water	8	3	X										
6	MTR-MW25(82)-G121510	12/15/10	1510	GW	8	6	X										
7	MTR-MW25(16.4)-G121510	12/15/10	1509	GW	8	3	X										
8	MTR-MW25(32.6)-G121510	12/15/10	1440	GW	8	3	X										
9	MTR-MW27(18)-G121510	12/15/10	1350	GW	8	3	X										
10	MTR-MW27(18)-G121510R	12/15/10	1350	GW	8	3	X										

Sampler(s) Please Print & Sign: Mr. Dwayne Gross & Mike Day Shipment Method: ALS Pickup Required Turnaround Time: (Check Box) Standard Results Due Date: \_\_\_\_\_

Relinquished by: [Signature] Date: 12/17/10 Time: 1200 Received by: [Signature] Notes: \_\_\_\_\_

Relinquished by: [Signature] Date: 12/17/10 Time: 1415 Received by (Laboratory): [Signature] Cooler ID: \_\_\_\_\_ Cooler Temp.: \_\_\_\_\_ QC Package: (Check One Box Below) \_\_\_\_\_

Logged by (Laboratory): DPS Date: 12/17/10 Time: 1530 Checked by (Laboratory): [Signature] Cooler ID: \_\_\_\_\_ Cooler Temp.: 1.2°C QC Package: \_\_\_\_\_

Preservative Key: 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-NaHSO<sub>4</sub> 7-Other 8-4°C 9-5035

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# Chain of Custody Form

ALS Laboratory Group

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Tel: +1 616 399 6070  
Fax: +1 616 399 6185

ALS Project Manager:

ALS Work Order #: 1012492

Customer Information		Project Information		Parameter/Method Request for Analysis											
Purchase Order		Project Name	Textron- TORX-GW Qrtly GW	A	TCL Volatiles by EPA 8260										
Work Order		Project Number		B	Total Metals: Pb, Cr, Cu, Cd										
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.	C	Dissolved Metals: Pb, Cr, Cu, Cd										
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D											
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E											
				F											
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G											
Phone	(937) 859-3600	Phone	(937) 859-3600	H											
Fax	(937) 859-7951	Fax	(937) 859-7951	I											
e-Mail Address		e-Mail Address		J											

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MTR-MW15-G121514	12/15/10	1257	GW	8	3	X										
2	MTR-MW27(104.2)-G121510	12/15/10	1135	GW	8	3	X										
3	MTR-MW27(75.4)-G121510	12/15/10	1230	GW	8	3	X										
<del>4</del>	<del>MTR-MW13-G121410</del>																
5	MTR-MW16-G121510	12/15/10	1054	GW	8	3	X										
6	MTR-MW14-G121510	12/15/10	0945	GW	8	3	X										
7	MTR-MW17-G121510	12/15/10	1020	GW	8	3	X										
8	MTR-MW26(17.5)-G121510	12/15/10	1216	GW	8	3	X										
9	MTR-MW26(58.2)-G121510	12/15/10	1147	GW	8	3	X										
10	MTR-4377NOHWY31-G121510	12/15/10	1605	GW	8	3	X										

*Duds*

Sampler(s) Please Print & Sign <i>We Dwayne Gross + Mike Day</i>		Shipment Method <i>ALS Pickup</i>		Required Turnaround Time: (Check Box) <input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour				Results Due Date:	
Relinquished by: <i>[Signature]</i>	Date: <i>12/17/10</i>	Time: <i>1200</i>	Received by: <i>[Signature]</i>	Notes:					
Relinquished by:	Date: <i>12/17/10</i>	Time: <i>1415</i>	Received by (Laboratory): <i>[Signature]</i>	Cooler ID	Cooler Temp <i>1.2°C</i>	QC Package: (Check One Box Below)			
Logged by (Laboratory): <i>[Signature]</i>	Date: <i>12/17/10</i>	Time: <i>1530</i>	Checked by (Laboratory): <i>[Signature]</i>	<input type="checkbox"/> Level II Std QC <input type="checkbox"/> TRRP Checklist <input type="checkbox"/> Level III Std QC/Raw Date <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> Level IV SW846/CLP <input type="checkbox"/> Other					
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035									

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.  
 2. Unless otherwise agreed in a formal contract, services provided by ALS Laboratory Group are expressly limited to the terms and conditions stated on the reverse.  
 3. The Chain of Custody is a legal document. All information must be completed accurately.

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**ALS Environmental**  
 10450 Stancliff Rd., Suite 210  
 Houston, Texas 77099  
 Tel. +1 281 530 5656  
 Fax. +1 281 530 5887

# Chain of Custody Form

Page 4 of 5

COC ID: **11959**

**ALS Environmental**  
 3352 128th Ave.  
 Holland, MI 49424-9263  
 Tel: +1 616 399 6070  
 Fax: +1 616 399 6185

ALS Project Manager: \_\_\_\_\_ ALS Work Order #: 1012492

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Textron- TORX-GW Qrly GW	A	TCL Volatiles by EPA 8260
Work Order		Project Number		B	Total Metals: Pb, Cr, Cu, Cd
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.	C	Dissolved Metals: Pb, Cr, Cu, Cd
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D	
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E	
				F	
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G	
Phone	(937) 859-3600	Phone	(937) 859-3600	H	
Fax	(937) 859-7951	Fax	(937) 859-7951	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
28	1 MTR-MW27(53.05)-G121510	12/15/10	1315	GW	8	3	X										
29	2 MTR-MW20(35)-G121610	12/16/10	1242	GW	8	3	X										
30	3 MTR-MW20(51)-G121610	12/16/10	1158	GW	8	3	X										
31	4 MTR-MW20(51)-G121610R	12/16/10	1158	GW	8	3	X										
32	5 MTR-MW20(124)-G121610	12/16/10	1110	GW	8	3	X										
33	6 MTR-MW20(155)-G121610	12/16/10	1005	GW	8	6	X										
34	7 MTR-MW6C-G121610	12/16/10	1044	GW	8	3	X										
35	8 MTR-MW59(29)-G121610	12/16/10	1202	GW	8	6	X										
36	9 MTR-MW59(46)-G121610	12/16/10	1139	GW	8	3	X										
37	10 MTR-MW59(46)-G121610R	12/16/10	1139	GW	8	3	X										

Please run MS/MSD

Sampler(s) Please Print & Sign <i>W. Dwayne Gross + Mike Day</i>		Shipment Method <i>ALS Pickup</i>		Required Turnaround Time: (Check Box) <i>Standard</i>		Results Due Date:	
Relinquished by: <i>[Signature]</i>	Date: <i>12/17/10</i>	Time: <i>1200</i>	Received by: <i>[Signature]</i>	Notes:			
Relinquished by:	Date: <i>12/17/10</i>	Time: <i>1415</i>	Received by (Laboratory): <i>[Signature]</i>	Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)	
Logged by (Laboratory): <i>[Signature]</i>	Date: <i>12/17/10</i>	Time: <i>1530</i>	Checked by (Laboratory): <i>[Signature]</i>		<i>1-2°C</i>		
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035							

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**ALS Environmental**

10450 Stancliff Rd., Suite 210  
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# Chain of Custody Form

Page 5 of 5

COC ID: **11958**

**ALS Environmental**

3352 128th Ave.  
Holland, MI 49424-9263  
Tel: +1 616 399 6070  
Fax: +1 616 399 6185

ALS Project Manager:

ALS Work Order #: **1012492**

Customer Information		Project Information		Parameter/Method Request for Analysis												
Purchase Order		Project Name	Textron- TORX-GW Qrtly GW	A	TCL Volatiles by EPA 8260											
Work Order		Project Number		B	Total Metals: Pb, Cr, Cu, Cd											
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting, Inc.	C	Dissolved Metals: Pb, Cr, Cu, Cd											
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D												
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E												
				F												
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G												
Phone	(937) 859-3600	Phone	(937) 859-3600	H												
Fax	(937) 859-7951	Fax	(937) 859-7951	I												
e-Mail Address		e-Mail Address		J												

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
38	MTR-MW62(36)-G121610	12/16/10	0951	GLW	8	3	X										
39	MTR-MW62(36)-G121610R	12/16/10	0951	GLW	8	3	X										
40	MTR-EB001-121610	12/16/10	1255	Water	8	3	X										
41	MTR-EB002-121610	12/16/10	1325	Water	8	3	X										
42	MTR-MW19(53)-G121410	12/14/10	1513	GLW	8	3	X										
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign <i>Mr. Dwayne Gross &amp; Mike Day</i>		Shipment Method <i>ALS Pickup</i>		Required Turnaround Time: (Check Box) <i>Standard</i>				Results Due Date:			
Relinquished by: <i>[Signature]</i>	Date: <i>12/17/10</i>	Time: <i>1700</i>	Received by: <i>[Signature]</i>	Notes:							
Relinquished by:	Date: <i>12/17/10</i>	Time: <i>1415</i>	Received by (Laboratory): <i>[Signature]</i>	Cooler ID	Cooler Temp. <i>12°C</i>	QC Package: (Check One Box Below)					
Logged by (Laboratory): <i>[Signature]</i>	Date: <i>12/17/10</i>	Time: <i>1330</i>	Checked by (Laboratory): <i>[Signature]</i>								
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035											

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Sample Receipt Checklist

Client Name: **MACTEC - OH**

Date/Time Received: **17-Dec-10 14:15**

Work Order: **1012492**

Received by: **DS**

Checklist completed by Diane Shaw 17-Dec-10  
eSignature Date

Reviewed by: Ann Preston 18-Dec-10  
eSignature Date

Matrices: Groundwater

Carrier name: ALSHN

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Present
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No

Temperature(s)/Thermometer(s):

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted

Water - pH acceptable upon receipt? Yes  No  N/A

pH adjusted? Yes  No  N/A

pH adjusted by:

Login Notes:

-----

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:



**ALS Laboratory Group**

3352 128th Avenue  
Holland, Michigan 49424  
Tel. +1 616 399 6070  
Fax. +1 616 399 6185

**CUSTODY SEAL**

Date: 12/17/19 Time: 0300  
Name: William Gross  
Company: MACTEC

Seal Broken By:

Date:



17-Jan-2011

Paul Stork  
MACTEC Engineering & Consulting, Inc.  
521 Byers Road, Suite 204  
Miamisburg, OH 45342

Re: **Textron - 4377N HWY31 1/5/11**

Work Order: **1101150**

Dear Paul,

ALS Environmental received 1 sample on 07-Jan-2011 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 12.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Joseph Ribar".

Electronically approved by: Joseph Ribar

Joseph Ribar  
Project Manager



Certificate No: IL100452

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

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**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** Textron - 4377N HWY31 1/5/11  
**Work Order:** 1101150

**Work Order Sample Summary**

---

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1101150-01	MTR-4377NOHWY31-G010511	Groundwater		1/5/2011 11:05	1/7/2011 09:30	<input type="checkbox"/>

**Client:** MACTEC Engineering & Consulting, Inc.  
**Project:** Textron - 4377N HWY31 1/5/11  
**WorkOrder:** 1101150

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
TDL	Target Detection Limit

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter

**ALS Group USA, Corp**

Date: 17-Jan-11

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron - 4377N HWY31 1/5/11

**Work Order:** 1101150

**Sample ID:** MTR-4377NOHWY31-G010511

**Lab ID:** 1101150-01

**Collection Date:** 1/5/2011 11:05 AM

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: <b>MK</b>
1,1,1-Trichloroethane	U		1.0	µg/L	1	1/12/2011 02:41 PM
1,1,2,2-Tetrachloroethane	U		1.0	µg/L	1	1/12/2011 02:41 PM
1,1,2-Trichloroethane	U		1.0	µg/L	1	1/12/2011 02:41 PM
1,1-Dichloroethane	U		1.0	µg/L	1	1/12/2011 02:41 PM
1,1-Dichloroethene	U		1.0	µg/L	1	1/12/2011 02:41 PM
1,2-Dichloroethane	U		1.0	µg/L	1	1/12/2011 02:41 PM
1,2-Dichloropropane	U		2.0	µg/L	1	1/12/2011 02:41 PM
2-Butanone	U		5.0	µg/L	1	1/12/2011 02:41 PM
2-Hexanone	U		5.0	µg/L	1	1/12/2011 02:41 PM
4-Methyl-2-pentanone	U		5.0	µg/L	1	1/12/2011 02:41 PM
Acetone	U		20	µg/L	1	1/12/2011 02:41 PM
Benzene	U		1.0	µg/L	1	1/12/2011 02:41 PM
Bromodichloromethane	U		1.0	µg/L	1	1/12/2011 02:41 PM
Bromoform	U		1.0	µg/L	1	1/12/2011 02:41 PM
Bromomethane	U		1.0	µg/L	1	1/12/2011 02:41 PM
Carbon disulfide	U		2.5	µg/L	1	1/12/2011 02:41 PM
Carbon tetrachloride	U		1.0	µg/L	1	1/12/2011 02:41 PM
Chlorobenzene	U		1.0	µg/L	1	1/12/2011 02:41 PM
Chloroethane	U		1.0	µg/L	1	1/12/2011 02:41 PM
Chloroform	U		1.0	µg/L	1	1/12/2011 02:41 PM
Chloromethane	U		1.0	µg/L	1	1/12/2011 02:41 PM
<b>cis-1,2-Dichloroethene</b>	<b>0.45</b>	<b>J</b>	<b>1.0</b>	<b>µg/L</b>	<b>1</b>	1/12/2011 02:41 PM
cis-1,3-Dichloropropene	U		1.0	µg/L	1	1/12/2011 02:41 PM
Dibromochloromethane	U		1.0	µg/L	1	1/12/2011 02:41 PM
Ethylbenzene	U		1.0	µg/L	1	1/12/2011 02:41 PM
m,p-Xylene	U		2.0	µg/L	1	1/12/2011 02:41 PM
Methylene chloride	U		5.0	µg/L	1	1/12/2011 02:41 PM
o-Xylene	U		1.0	µg/L	1	1/12/2011 02:41 PM
Styrene	U		1.0	µg/L	1	1/12/2011 02:41 PM
Tetrachloroethene	U		2.0	µg/L	1	1/12/2011 02:41 PM
Toluene	U		1.0	µg/L	1	1/12/2011 02:41 PM
trans-1,2-Dichloroethene	U		1.0	µg/L	1	1/12/2011 02:41 PM
trans-1,3-Dichloropropene	U		1.0	µg/L	1	1/12/2011 02:41 PM
Trichloroethene	U		1.0	µg/L	1	1/12/2011 02:41 PM
<b>Vinyl chloride</b>	<b>1.4</b>		<b>1.0</b>	<b>µg/L</b>	<b>1</b>	1/12/2011 02:41 PM
Xylenes, Total	U		2.0	µg/L	1	1/12/2011 02:41 PM
Surr: 1,2-Dichloroethane-d4	109		70-120	%REC	1	1/12/2011 02:41 PM
Surr: 4-Bromofluorobenzene	92.0		75-120	%REC	1	1/12/2011 02:41 PM
Surr: Dibromofluoromethane	102		85-115	%REC	1	1/12/2011 02:41 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group USA, Corp

Date: 17-Jan-11

**Client:** MACTEC Engineering & Consulting, Inc.

**Project:** Textron - 4377N HWY31 1/5/11

**Sample ID:** MTR-4377NOHWY31-G010511

**Collection Date:** 1/5/2011 11:05 AM

**Work Order:** 1101150

**Lab ID:** 1101150-01

**Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	106		85-120	%REC	1	1/12/2011 02:41 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

Client: MACTEC Engineering & Consulting, Inc.

**QC BATCH REPORT**

Work Order: 1101150

Project: Textron - 4377N HWY31 1/5/11

Batch ID: **R85787A**

Instrument ID **VMS5**

Method: **SW8260**

MBLK	Sample ID: <b>VBLKW1-110112-R85787A</b>	Units: <b>µg/L</b>					Analysis Date: <b>1/12/2011 10:00 AM</b>				
Client ID:	Run ID: <b>VMS5_110112A</b>	SeqNo: <b>1529631</b>			Prep Date:		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Hexanone	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	20									
Benzene	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	2.5									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Ethylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methylene chloride	U	5.0									
o-Xylene	U	1.0									
Styrene	U	1.0									
Tetrachloroethene	U	2.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Vinyl chloride	U	1.0									
Xylenes, Total	U	2.0									
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>105</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>105</i>	<i>70-120</i>	<i>0</i>				
<i>Surr: 4-Bromofluorobenzene</i>	<i>93.34</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>93.3</i>	<i>75-120</i>	<i>0</i>				
<i>Surr: Dibromofluoromethane</i>	<i>101.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-115</i>	<i>0</i>				
<i>Surr: Toluene-d8</i>	<i>103.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>85-120</i>	<i>0</i>				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.  
 Work Order: 1101150  
 Project: Textron - 4377N HWY31 1/5/11

# QC BATCH REPORT

Batch ID: **R85787A** Instrument ID **VMS5** Method: **SW8260**

LCS		Sample ID: <b>VLCSW1-110112-R85787A</b>				Units: <b>µg/L</b>		Analysis Date: <b>1/12/2011 08:44 AM</b>		
Client ID:		Run ID: <b>VMS5_110112A</b>				SeqNo: <b>1529158</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	18.96	1.0	20	0	94.8	65-130	0			
1,1,2,2-Tetrachloroethane	19.95	1.0	20	0	99.8	65-130	0			
1,1,2-Trichloroethane	19.32	1.0	20	0	96.6	75-125	0			
1,1-Dichloroethane	19.13	1.0	20	0	95.6	70-135	0			
1,1-Dichloroethene	20.42	1.0	20	0	102	70-130	0			
1,2-Dichloroethane	19.1	1.0	20	0	95.5	70-130	0			
1,2-Dichloropropane	18.96	2.0	20	0	94.8	75-125	0			
2-Butanone	21.21	5.0	20	0	106	30-150	0			
2-Hexanone	19.21	5.0	20	0	96	55-130	0			
4-Methyl-2-pentanone	18.91	5.0	20	0	94.6	60-135	0			
Acetone	19.03	20	20	0	95.2	40-140	0			J
Benzene	19.21	1.0	20	0	96	80-120	0			
Bromodichloromethane	19.66	1.0	20	0	98.3	75-120	0			
Bromoform	19.12	1.0	20	0	95.6	70-130	0			
Bromomethane	24.31	1.0	20	0	122	30-145	0			
Carbon disulfide	23.95	2.5	20	0	120	35-165	0			
Carbon tetrachloride	19.19	1.0	20	0	96	65-140	0			
Chlorobenzene	19.61	1.0	20	0	98	80-120	0			
Chloroethane	23.9	1.0	20	0	120	60-135	0			
Chloroform	19.12	1.0	20	0	95.6	65-135	0			
Chloromethane	20.88	1.0	20	0	104	70-125	0			
cis-1,2-Dichloroethene	19.53	1.0	20	0	97.6	70-125	0			
cis-1,3-Dichloropropene	19.43	1.0	20	0	97.2	70-130	0			
Dibromochloromethane	19.34	1.0	20	0	96.7	60-135	0			
Ethylbenzene	19.89	1.0	20	0	99.4	75-125	0			
m,p-Xylene	40.67	2.0	40	0	102	75-130	0			
Methylene chloride	20.67	5.0	20	0	103	55-140	0			
o-Xylene	20.38	1.0	20	0	102	80-120	0			
Styrene	19.33	1.0	20	0	96.6	65-135	0			
Tetrachloroethene	20.19	2.0	20	0	101	45-150	0			
Toluene	19.66	1.0	20	0	98.3	75-120	0			
trans-1,2-Dichloroethene	20.16	1.0	20	0	101	60-140	0			
trans-1,3-Dichloropropene	21.47	1.0	20	0	107	55-140	0			
Trichloroethene	19.02	1.0	20	0	95.1	70-125	0			
Vinyl chloride	22.1	1.0	20	0	110	50-145	0			
Xylenes, Total	61.05	2.0	60	0	102	75-130	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>102.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>100.6</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>100.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>100</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>101.3</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-120</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

# QC BATCH REPORT

Work Order: 1101150

Project: Textron - 4377N HWY31 1/5/11

Batch ID: **R85787A**

Instrument ID **VMS5**

Method: **SW8260**

LCSD	Sample ID: <b>VLCSDW1-110112-R85787A</b>	Units: <b>µg/L</b>					Analysis Date: <b>1/12/2011 09:09 AM</b>				
Client ID:	Run ID: <b>VMS5_110112A</b>	SeqNo: <b>1529159</b>	Prep Date:	DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	18.4	1.0	20	0	92	65-130	18.96	3	30		
1,1,2,2-Tetrachloroethane	19.53	1.0	20	0	97.6	65-130	19.95	2.13	30		
1,1,2-Trichloroethane	19.03	1.0	20	0	95.2	75-125	19.32	1.51	30		
1,1-Dichloroethane	19.54	1.0	20	0	97.7	70-135	19.13	2.12	30		
1,1-Dichloroethene	20.4	1.0	20	0	102	70-130	20.42	0.098	30		
1,2-Dichloroethane	19.59	1.0	20	0	98	70-130	19.1	2.53	30		
1,2-Dichloropropane	18.69	2.0	20	0	93.4	75-125	18.96	1.43	30		
2-Butanone	18.04	5.0	20	0	90.2	30-150	21.21	16.2	30		
2-Hexanone	18.88	5.0	20	0	94.4	55-130	19.21	1.73	30		
4-Methyl-2-pentanone	18.21	5.0	20	0	91	60-135	18.91	3.77	30		
Acetone	18.54	20	20	0	92.7	40-140	19.03	0	30	J	
Benzene	19.08	1.0	20	0	95.4	80-120	19.21	0.679	30		
Bromodichloromethane	19.44	1.0	20	0	97.2	75-120	19.66	1.13	30		
Bromoform	18.56	1.0	20	0	92.8	70-130	19.12	2.97	30		
Bromomethane	23.75	1.0	20	0	119	30-145	24.31	2.33	30		
Carbon disulfide	23.41	2.5	20	0	117	35-165	23.95	2.28	30		
Carbon tetrachloride	18.94	1.0	20	0	94.7	65-140	19.19	1.31	30		
Chlorobenzene	19.24	1.0	20	0	96.2	80-120	19.61	1.9	30		
Chloroethane	24.77	1.0	20	0	124	60-135	23.9	3.58	30		
Chloroform	19.53	1.0	20	0	97.6	65-135	19.12	2.12	30		
Chloromethane	20.93	1.0	20	0	105	70-125	20.88	0.239	30		
cis-1,2-Dichloroethene	19.55	1.0	20	0	97.8	70-125	19.53	0.102	30		
cis-1,3-Dichloropropene	19.17	1.0	20	0	95.8	70-130	19.43	1.35	30		
Dibromochloromethane	19.21	1.0	20	0	96	60-135	19.34	0.674	30		
Ethylbenzene	19.73	1.0	20	0	98.6	75-125	19.89	0.808	30		
m,p-Xylene	39.55	2.0	40	0	98.9	75-130	40.67	2.79	30		
Methylene chloride	20.93	5.0	20	0	105	55-140	20.67	1.25	30		
o-Xylene	19.8	1.0	20	0	99	80-120	20.38	2.89	30		
Styrene	19.08	1.0	20	0	95.4	65-135	19.33	1.3	30		
Tetrachloroethene	19.64	2.0	20	0	98.2	45-150	20.19	2.76	30		
Toluene	19.2	1.0	20	0	96	75-120	19.66	2.37	30		
trans-1,2-Dichloroethene	19.82	1.0	20	0	99.1	60-140	20.16	1.7	30		
trans-1,3-Dichloropropene	21.21	1.0	20	0	106	55-140	21.47	1.22	30		
Trichloroethene	18.32	1.0	20	0	91.6	70-125	19.02	3.75	30		
Vinyl chloride	22.03	1.0	20	0	110	50-145	22.1	0.317	30		
Xylenes, Total	59.35	2.0	60	0	98.9	75-130	61.05	2.82	30		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>103.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>70-120</i>	<i>102.8</i>	<i>0.978</i>	<i>30</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>99</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99</i>	<i>75-120</i>	<i>100.6</i>	<i>1.61</i>	<i>30</i>		
<i>Surr: Dibromofluoromethane</i>	<i>99.25</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>99.2</i>	<i>85-115</i>	<i>100.5</i>	<i>1.25</i>	<i>30</i>		
<i>Surr: Toluene-d8</i>	<i>101.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>101</i>	<i>85-120</i>	<i>101.3</i>	<i>0.109</i>	<i>30</i>		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: MACTEC Engineering & Consulting, Inc.

Work Order: 1101150

Project: Textron - 4377N HWY31 1/5/11

# QC BATCH REPORT

Batch ID: **R85787A**

Instrument ID **VMS5**

Method: **SW8260**

MS		Sample ID: <b>1101230-07A MS</b>			Units: <b>µg/Kg</b>		Analysis Date: <b>1/12/2011 06:31 PM</b>			
Client ID:		Run ID: <b>VMS5_110112A</b>			SeqNo: <b>1530727</b>		Prep Date:		DF: <b>100</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1731	100	2000	0	86.6	70-135	0			
1,1,2,2-Tetrachloroethane	1852	200	2000	0	92.6	55-130	0			
1,1,2-Trichloroethane	1739	200	2000	0	87	60-125	0			
1,1-Dichloroethane	1720	100	2000	0	86	75-125	0			
1,1-Dichloroethene	1811	100	2000	0	90.6	65-135	0			
1,2-Dichloroethane	1799	100	2000	0	90	70-135	0			
1,2-Dichloropropane	1712	350	2000	0	85.6	70-120	0			
2-Butanone	2116	750	2000	0	106	30-160	0			
2-Hexanone	1890	500	2000	0	94.5	45-145	0			
4-Methyl-2-pentanone	1856	500	2000	0	92.8	45-145	0			
Acetone	1993	450	2000	0	99.6	20-160	0			
Benzene	1765	100	2000	0	88.2	75-125	0			
Bromodichloromethane	1793	150	2000	0	89.6	70-130	0			
Bromoform	1731	100	2000	0	86.6	55-135	0			
Bromomethane	1558	150	2000	0	77.9	30-160	0			
Carbon disulfide	2061	150	2000	0	103	45-160	0			
Carbon tetrachloride	1753	100	2000	0	87.6	65-135	0			
Chlorobenzene	1739	150	2000	0	87	75-125	0			
Chloroethane	2153	300	2000	0	108	40-155	0			
Chloroform	1747	100	2000	0	87.4	70-125	0			
Chloromethane	1663	300	2000	0	83.2	50-130	0			
cis-1,2-Dichloroethene	1714	200	2000	0	85.7	65-125	0			
cis-1,3-Dichloropropene	1731	100	2000	0	86.6	70-125	0			
Dibromochloromethane	1731	200	2000	0	86.6	65-135	0			
Ethylbenzene	1752	200	2000	0	87.6	75-125	0			
m,p-Xylene	3573	200	4000	25	88.7	80-125	0			
Methylene chloride	1927	200	2000	0	96.4	55-145	0			
o-Xylene	1775	100	2000	0	88.8	75-125	0			
Styrene	1714	150	2000	0	85.7	75-125	0			
Tetrachloroethene	1757	100	2000	0	87.8	64-140	0			
Toluene	1704	150	2000	0	85.2	70-125	0			
trans-1,2-Dichloroethene	1790	100	2000	0	89.5	65-135	0			
trans-1,3-Dichloropropene	1846	150	2000	0	92.3	65-125	0			
Trichloroethene	1656	100	2000	0	82.8	75-125	0			
Vinyl chloride	1768	200	2000	0	88.4	60-125	0			
Xylenes, Total	5348	300	6000	25	88.7	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>10480</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>105</i>	<i>70-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>10420</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>104</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>10170</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>102</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>9936</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>99.4</i>	<i>85-115</i>	<i>0</i>			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: MACTEC Engineering & Consulting, Inc.

# QC BATCH REPORT

Work Order: 1101150

Project: Textron - 4377N HWY31 1/5/11

Batch ID: **R85787A**

Instrument ID **VMS5**

Method: **SW8260**

MSD		Sample ID: <b>1101230-07A MSD</b>			Units: <b>µg/Kg</b>			Analysis Date: <b>1/12/2011 06:56 PM</b>		
Client ID:		Run ID: <b>VMS5_110112A</b>			SeqNo: <b>1530731</b>		Prep Date:		DF: <b>100</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1739	100	2000	0	87	70-135	1731	0.461	30	
1,1,2,2-Tetrachloroethane	1910	200	2000	0	95.5	55-130	1852	3.08	30	
1,1,2-Trichloroethane	1736	200	2000	0	86.8	60-125	1739	0.173	30	
1,1-Dichloroethane	1787	100	2000	0	89.4	75-125	1720	3.82	30	
1,1-Dichloroethene	1879	100	2000	0	94	65-135	1811	3.69	30	
1,2-Dichloroethane	1823	100	2000	0	91.2	70-135	1799	1.33	30	
1,2-Dichloropropane	1733	350	2000	0	86.6	70-120	1712	1.22	30	
2-Butanone	2194	750	2000	0	110	30-160	2116	3.62	30	
2-Hexanone	1922	500	2000	0	96.1	45-145	1890	1.68	30	
4-Methyl-2-pentanone	1856	500	2000	0	92.8	45-145	1856	0	30	
Acetone	2011	450	2000	0	101	20-160	1993	0.899	30	
Benzene	1754	100	2000	0	87.7	75-125	1765	0.625	30	
Bromodichloromethane	1787	150	2000	0	89.4	70-130	1793	0.335	30	
Bromoform	1764	100	2000	0	88.2	55-135	1731	1.89	30	
Bromomethane	1870	150	2000	0	93.5	30-160	1558	18.2	30	
Carbon disulfide	2133	150	2000	0	107	45-160	2061	3.43	30	
Carbon tetrachloride	1755	100	2000	0	87.8	65-135	1753	0.114	30	
Chlorobenzene	1752	150	2000	0	87.6	75-125	1739	0.745	30	
Chloroethane	1968	300	2000	0	98.4	40-155	2153	8.98	30	
Chloroform	1802	100	2000	0	90.1	70-125	1747	3.1	30	
Chloromethane	1834	300	2000	0	91.7	50-130	1663	9.78	30	
cis-1,2-Dichloroethene	1778	200	2000	0	88.9	65-125	1714	3.67	30	
cis-1,3-Dichloropropene	1730	100	2000	0	86.5	70-125	1731	0.0578	30	
Dibromochloromethane	1745	200	2000	0	87.2	65-135	1731	0.806	30	
Ethylbenzene	1772	200	2000	0	88.6	75-125	1752	1.14	30	
m,p-Xylene	3636	200	4000	25	90.3	80-125	3573	1.75	30	
Methylene chloride	1972	200	2000	0	98.6	55-145	1927	2.31	30	
o-Xylene	1785	100	2000	0	89.2	75-125	1775	0.562	30	
Styrene	1742	150	2000	0	87.1	75-125	1714	1.62	30	
Tetrachloroethene	1788	100	2000	0	89.4	64-140	1757	1.75	30	
Toluene	1703	150	2000	0	85.2	70-125	1704	0.0587	30	
trans-1,2-Dichloroethene	1871	100	2000	0	93.6	65-135	1790	4.43	30	
trans-1,3-Dichloropropene	1866	150	2000	0	93.3	65-125	1846	1.08	30	
Trichloroethene	1675	100	2000	0	83.8	75-125	1656	1.14	30	
Vinyl chloride	1866	200	2000	0	93.3	60-125	1768	5.39	30	
Xylenes, Total	5421	300	6000	25	89.9	75-125	5348	1.36	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>10320</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>103</i>	<i>70-120</i>	<i>10480</i>	<i>1.48</i>	<i>30</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>10170</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>102</i>	<i>75-120</i>	<i>10420</i>	<i>2.45</i>	<i>30</i>	
<i>Surr: Dibromofluoromethane</i>	<i>10040</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>100</i>	<i>85-115</i>	<i>10170</i>	<i>1.36</i>	<i>30</i>	
<i>Surr: Toluene-d8</i>	<i>9871</i>	<i>0</i>	<i>10000</i>	<i>0</i>	<i>98.7</i>	<i>85-115</i>	<i>9936</i>	<i>0.656</i>	<i>30</i>	

The following samples were analyzed in this batch: 1101150-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



**ALS Environmental**

10450 Stancliff Rd., Suite 210  
Houston, Texas 77099  
Tel. +1 281 530 5656  
Fax. +1 281 530 5887

# Chain of Custody Form

Page 1 of 1

COC ID: **11693**

**ALS Environmental**

3352 128th Ave.  
Holland, MI 49424-9263  
Tel: +1 616 399 6070  
Fax: +1 616 399 6185

ALS Project Manager:

ALS Work Order #: **110150**

Customer Information		Project Information		Parameter/Method Request for Analysis												
Purchase Order	<b>201100190</b>	Project Name	Textron-TORX, Rochester, IN	A	<del>ERA 524.2 Volatiles</del>											
Work Order		Project Number	<b>3359092469.21.01</b>	B	<b>VOCs Method 8260</b>											
Company Name	MACTEC Engineering & Consulting, Inc.	Bill To Company	MACTEC Engineering & Consulting	C												
Send Report To	Paul Stork	Invoice Attn	Accounts Payable	D												
Address	521 Byers Road, Suite 204	Address	1105 Lakewood Pkwy, Suite 300	E												
				F												
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Alpharetta, GA 30009	G												
Phone	(937) 859-3600	Phone		H												
Fax	(937) 859-7951	Fax		I												
e-Mail Address		e-Mail Address		J												

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	<b>MTR-4377ND/MWY31-G 010511</b>	<b>01/05/11</b>	<b>1105</b>	<b>GW</b>	<b>1</b>	<b>3</b>		<b>X</b>									
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign <b>R. Dombusch</b> <i>R. Dombusch</i>		Shipment Method <b>FED EX</b> <b>796629231418</b>		Required Turnaround Time: (Check Box) <b>Standard TAT</b>				Results Due Date:				
Relinquished by: <i>R. Dombusch</i>	Date: <b>01/06/11</b>	Time: <b>1300</b>	Received by: <b>FGD EX</b>		Notes:							
Relinquished by: <b>FGD EX</b>	Date: <b>1/7/11</b>	Time: <b>0930</b>	Received by (Laboratory): <i>[Signature]</i>		Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)					
Logged by (Laboratory): <b>ES</b>	Date: <b>1/7/11</b>	Time: <b>1300</b>	Checked by (Laboratory): <i>[Signature]</i>			<b>3.4°C</b>	<b>Level 4</b>					
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>3</sub> 7-Other 8-4°C 9-5035												

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.  
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.  
 3. The Chain of Custody is a legal document. All information must be completed accurately.

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Sample Receipt Checklist

Client Name: **MACTEC - OH**

Date/Time Received: **07-Jan-11 09:30**

Work Order: **1101150**

Received by: **DS**

Checklist completed by Diane Shaw 07-Jan-11  
eSignature Date

Reviewed by: Joseph Ribar 07-Jan-11  
eSignature Date

Matrices: Groundwater

Carrier name: FedEx

Shipping container/cooler in good condition? Yes  No  Not Present

Custody seals intact on shipping container/cooler? Yes  No  Not Present

Custody seals intact on sample bottles? Yes  No  Not Present

Chain of custody present? Yes  No

Chain of custody signed when relinquished and received? Yes  No

Chain of custody agrees with sample labels? Yes  No

Samples in proper container/bottle? Yes  No

Sample containers intact? Yes  No

Sufficient sample volume for indicated test? Yes  No

All samples received within holding time? Yes  No

Container/Temp Blank temperature in compliance? Yes  No

Temperature(s)/Thermometer(s): 3.4 c

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted

Water - pH acceptable upon receipt? Yes  No  N/A

pH adjusted? Yes  No  N/A

pH adjusted by:

Login Notes:

-----

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

[Empty text box for comments]

CorrectiveAction:

[Empty text box for corrective action]

**DATA VALIDATION REPORT  
DECEMBER 2010 GROUNDWATER SAMPLING  
TEXTRON FORMER TORX FACILITY  
ROCHESTER, INDIANA**

## 1.0 INTRODUCTION

Groundwater samples were collected during monitoring well sampling completed in December 2010 at the Former TORX Facility in Rochester, Indiana. Samples were analyzed by ALS Laboratory Group in Holland, Michigan. A summary of sample delivery groups (SDGs) and field samples included in this review is contained in Table 1. Samples reviewed in this report were analyzed for the following USEPA SW-846 (USEPA, 1996) method:

- Volatile Organic Compounds (VOCs) by USEPA Method 8260B

Sample results were validated using general procedures in the USEPA National Data Validation Guidelines (USEPA, 1999), Indiana Department of Environmental Management (IDEM) data validation guidelines (IDEM, 2001), and data validation goals identified in the Work Plan (MACTEC, 2009). Project data quality criteria for the VOC analyses are identified based on IDEM quality control (QC) goals (IDEM, 1998) and the professional judgment of the project chemist. A summary of project QC limits used during data validation is provided in Table 2. Full validation was completed on 10 percent of the samples analyzed for each method. Full validation was completed on a subset of samples in SDG 1012276. Full validation includes review of raw instrument data, lab notebook records, and calculation checks. A reduced Level II validation was completed on the remaining 90% of the data in accordance with specifications in the Work Plan. During the Level II validation the major quality assurance (QA)/QC indicators of analytical data quality are reviewed, but review of calculations and raw laboratory data is not included. QC data checks are completed using QC summary forms provided in the laboratory packages. The following parameters are checked during the Level II review:

- laboratory narrative
- sample chain of custody/sample receipt records
- sample preservation
- holding times
- initial calibration
- continuing calibration
- QC blanks
- laboratory control sample (LCS) results
- matrix spike and matrix spike duplicate (MS/MSD) sample results
- surrogate recovery
- internal standard recovery and retention times
- field replicate sample results
- sample results summary
- verification of electronic database results

A summary of qualification actions is presented on Table 3. Final sample results are presented on Table 4. Table 3 includes listings of validation reason codes that are applied to the results in the project database to

document the reason for the validation qualification. Sample results that were non-detect were qualified as U by the laboratory. Results for target compounds that were detected at concentrations between the method detection limit (MDL) and quantitation limit were reported by the laboratory and qualified estimated (J). Data validation qualifiers were added to results if associated quality control data did not meet goals in the validation guidelines or project work plan. The following data quality flags shown below were used to qualify data that did not meet project specific QC goals.

UJ – undetected and reporting limit is estimated  
J - estimated value

## 2.0 VALIDATION OBSERVATION AND ACTIONS

With the exception of the data qualification actions discussed in the sections below, results are interpreted to be usable as reported by the laboratory. A summary of qualification actions is presented on Table 4. Validation reason codes are applied to the results to document the reason for the validation qualification.

### 2.1 VOCs

During the Level II review the data quality indicators listed below were reviewed. Checks that included validation actions are marked with an asterisk (\*) and discussed in the following sections.

- laboratory narrative
- sample chain of custody/sample receipt records
- sample preservation
- holding times
- initial calibration
- continuing calibration\*
- instrument tuning
- internal standard recovery and retention times
- QC blanks\*
- LCS results\*
- MS/MSD sample results\*
- surrogate recovery
- field duplicate result\*
- sample result reporting
- verification of electronic database results

During the full validation the data quality indicators listed below were also reviewed. Checks that that included validation actions are marked with an asterisk (\*) and discussed in the following sections.

- calculation checks specified in USEPA guidelines
- analyte identification and quantitation

### Continuing Calibration

A subset of results was qualified based on percent differences between initial and continuing calibration results that were greater than the project limit of 20. Results are summarized on Table 4 with reason code CCV%D and are discussed below.

**SDG 1012492:** Percent differences between initial and continuing calibration results for bromomethane (31), chloroethane (36), 4-methyl-2-pentanone (24), and 2-hexanone (21) were outside the control limit of 20 in the continuing calibration standard run on instrument VMS7 analyzed on December 19, 2010. These analytes were not detected in the associated samples, and reporting limits were qualified as estimated (UJ) in samples associated with this calibration standard.

### QC Blanks

A subset of results was qualified due to contamination in the equipment blanks. Results are summarized on Table 4 with reason code BL2 and discussed below.

Low concentrations of acetone were reported in one or more equipment blanks collected during the investigation. A similar concentration was reported in sample MTR-MW1-G120810. The results was qualified non-detect (U) at the reporting limit.

### LCS Results

Multiple LCS samples were analyzed in analytical sequences. In nearly all LCS/LCSD runs, target compound recoveries were within limits indicating good confirmation of data accuracy. A subset of results was qualified due to recoveries below project limits of 70-130 percent or relative percent differences between recoveries above the project limit of 20. Results are summarized on Table 4 with reason code LCS-H or LCS-RPD and are discussed below.

**SDG 1012276:** The relative percent differences (RPD) for 4-methyl-2-pentanone (31) and 1,1,2,2-tetrachloroethane (28) exceed the project goal of 20. 4-Methyl-2-pentanone and 1,1,2,2-tetrachloroethane were not detected in samples and reporting limits were qualified estimate (UJ).

**SDG 1012390:** The percent recovery of 1,1-dichloroethene (134) in the LCS associated with a subset of samples was above the project limits of 70-130 percent. 1,1-Dichloroethene was detected in a subset of samples and results were qualified estimated (J) and may be biased high.

**SDG 1012492:** The percent recovery of 1,1-dichloroethene (132) in the LCS associated with a subset of samples was above the project limits of 70-130 percent. 1,1-Dichloroethene was detected in a subset of samples and results were qualified estimated (J) and may be biased high.

### MS/MSD Sample Results

Eight samples were analyzed as MS/MSD. In all MS/MSD runs the majority of target compound recoveries were within the QC limits of 70-130 percent indicating good data accuracy was obtained for

the aqueous matrix. High recovery was reported for a subset of compounds. These compounds were not detected in associated samples, and no validation qualifiers were applied to the sample results. For a subset of compounds with low recoveries and/or relative percent differences above the project limit of 20, results were qualified as discussed below. Qualification actions are summarized on Table 4 with reason code MS-L and/or MS-RPD.

In the MS/MSD analyses of MTR-MW3-G121010, percent recoveries of vinyl chloride (28) and cis-1,2-dichloroethene (68) were below limits. Vinyl chloride and cis-1,2-dichloroethene were detected in sample MTR-MW3-G121010, and results were qualified estimated (UJ).

In the MS/MSD analyses of MTR-MW17-G121510, percent recovery of bromomethane (56) was below limits, and the relative percent differences (RPD) for bromomethane (39) exceeded the project goal of 20. Bromomethane was not detected in the original sample and the reporting limit was qualified estimated (UJ).

#### Field Duplicate

Eight field duplicate pairs were collected during the field sampling event. Good agreement was observed in these duplicates. In the field duplicate pair from location MTR-MW24(55.4)-G121410 a low concentration of vinyl chloride (1.2 µg/L) was reported in the field duplicate and vinyl chloride was reported as a non-detect at a reporting limit slightly below the detected value (1.0 µg/L). Results for vinyl chloride in the above samples were qualified estimated (J/UJ).

**Data Validator: Chris Ricardi, NRCC-EAC**



**Date: January 31, 2011**

**Report Reviewed by: Wolfgang Calicchio**



**Date: February 4, 2011**

#### **Reference:**

IDEM, 1998. "Performance and Presentation of Analytical Chemistry Data"; Indiana Department of Environmental Monitoring; Technical Waste Assessment, Rev. 1: July 16, 1998.

IDEM, 2001. "Risk Integrated System of Closure (RISC) Technical Resource Guidance Document"; Indiana Department of Environmental Monitoring; February 2001.

MACTEC, 2009. "Investigation Work Plan Former TORX Facility 4366 North Old US Rt. 31 Rochester, Indiana"; January 2009.

U.S. Environmental Protection Agency (USEPA), 1996. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Emergency Response; Washington, DC; SW-846; November 1986; Revision 4 -December 1996.

U.S. Environmental Protection Agency (USEPA), 1999. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review"; Office of Emergency and Remedial Response; EPA-540/R-99/008; October 1999.



**TABLE 1**  
**SUMMARY OF SAMPLES AND ANALYTICAL PARAMETERS**  
**GROUNDWATER SAMPLING - DECEMBER 2010**  
**TEXTRON FORMER TORX FACILITY**  
**ROCHESTER, INDIANA**

		Filtered:	N
		Parameter:	VOC
		Method:	SW8260
Field ID	Date Collect	Sample ID	
MTR-MW39(76.8)-G120710	12/07/10	1012276-01A	36
MTR-MW39(29.3)-G120710	12/07/10	1012276-02A	36
MTR-MW39(13)-G120710	12/07/10	1012276-03A	36
MTR-MW38(102.5)-G120710	12/07/10	1012276-04A	36
MTR-MW38(69.9)-G120710	12/07/10	1012276-05A	36
MTR-MW38(69.9)-G120710R	12/07/10	1012276-06A	36
MTR-MW38(29.1)-G120710	12/07/10	1012276-07A	36
MTR-MW38(20.8)-G120710	12/07/10	1012276-08A	36
MTR-EB001-120710	12/07/10	1012276-09A	36
MTR-MW35(148)-G120810	12/08/10	1012276-10A	36
MTR-MW37(23.3)-G120710	12/07/10	1012276-11A	36
MTR-MW37(98)-G120710	12/07/10	1012276-12A	36
MTR-MW37(70)-G120710	12/07/10	1012276-13A	36
MTR-MW37(98)-G120710R	12/07/10	1012276-14A	36
MTR-MW36(35.2)-G120710	12/07/10	1012276-15A	36
MTR-MW36(92.4)-G120710	12/07/10	1012276-16A	36
MTR-MW36(124.5)-G120710	12/07/10	1012276-17A	36
MTR-EB002-120710	12/07/10	1012276-18A	36
MTR-MW35(90)-G120810	12/08/10	1012276-19A	36
MTR-MW49(20)-G120810	12/08/10	1012276-20A	36
MTR-MW49(200)-G120810	12/08/10	1012276-21A	36
MTR-MW49(45)-G120810	12/08/10	1012276-22A	36
MTR-MW49(95)-G120810	12/08/10	1012276-23A	36
MTR-MW35(45)-G120810	12/08/10	1012276-24A	36
MTR-EB001-120810	12/08/10	1012276-25A	36
MTR-EB002-120810	12/08/10	1012276-26A	36
MTR-FB001-120810	12/08/10	1012276-27A	36
MTR-TB001-120710	12/07/10	1012276-28A	36
MTR-EB001-120910	12/09/10	1012326-01A	36
MTR-EB002-120910	12/09/10	1012326-02A	36
MTR-TB001-120810	12/08/10	1012326-03A	36
MTR-MW34(110)-G121010	12/10/10	1012326-05A	36
MTR-MW34(85)-G121010	12/10/10	1012326-06A	36
MTR-MW34(37)-G121010	12/10/10	1012326-07A	36
MTR-MW61(26)-G121010	12/10/10	1012326-08A	36
MTR-MW3-G121010	12/10/10	1012326-09A	36
MTR-EB001-121010	12/10/10	1012326-10A	36
MTR-EB002-121010	12/10/10	1012326-11A	36
MTR-MW48(56)-G120910	12/09/10	1012326-12A	36
MTR-MW48(105)-G120910	12/09/10	1012326-13A	36
MTR-MW31(55.5)-G120910	12/09/10	1012326-14A	36
MTR-MW31(139.2)-G120910	12/09/10	1012326-15A	36
MTR-MW48(159)-G120910	12/09/10	1012326-16A	36
MTR-MW48(129)-G120910	12/09/10	1012326-17A	36
MTR-MW52(55)-G120910	12/09/10	1012326-18A	36
MTR-MW52(148)-G120910	12/09/10	1012326-19A	36
MTR-MW57(38)-G120910	12/09/10	1012326-20A	36
MTR-MW9C-G120910	12/09/10	1012326-21A	36
MTR-MW45(185)-G120810	12/08/10	1012326-22A	36
MTR-MW1-G120810	12/08/10	1012326-23A	36
MTR-MW29(103.3)-G120810	12/08/10	1012326-24A	36
MTR-MW29(82.5)-G120810	12/08/10	1012326-25A	36
MTR-MW29(132.8)-G120810	12/08/10	1012326-26A	36
MTR-MW53(41)-G120810	12/08/10	1012326-27A	36
MTR-MW9B-G120910	12/09/10	1012326-28A	36
MTR-MW55(49)-G120910	12/09/10	1012326-29A	36

**TABLE 1**  
**SUMMARY OF SAMPLES AND ANALYTICAL PARAMETERS**  
**GROUNDWATER SAMPLING - DECEMBER 2010**  
**TEXTRON FORMER TORX FACILITY**  
**ROCHESTER, INDIANA**

		Filtered:	N
		Parameter:	VOC
		Method:	SW8260
Field ID	Date Collect	Sample ID	
MTR-MW31(98.5)-G120910	12/09/10	1012326-30A	36
MTR-MW31(30.9)-G120910	12/09/10	1012326-31A	36
MTR-MW11-G121310	12/13/10	1012390-01A	36
MTR-EB001-121310	12/13/10	1012390-02A	36
MTR-MW12-G121310	12/13/10	1012390-03A	36
MTR-EB002-121310	12/13/10	1012390-04A	36
MTR-MW67(30)-G121310R	12/13/10	1012390-05A	36
MTR-MW67(30)-G121310	12/13/10	1012390-06A	36
MTR-MW75(32)-G121310	12/13/10	1012390-07A	36
MTR-MW68(32)-G121310	12/13/10	1012390-08A	36
MTR-MW72(32)-G121310	12/13/10	1012390-09A	36
MTR-MW65(32)-G121310	12/13/10	1012390-10A	36
MTR-MW65(32)-G121310R	12/13/10	1012390-11A	36
MTR-MW71(33)-G121310	12/13/10	1012390-12A	36
MTR-TB001-121310	12/13/10	1012390-13A	36
MTR-MW51(25)-G121410	12/14/10	1012390-14A	36
MTR-MW51(117)-G121410	12/14/10	1012390-15A	36
MTR-MW51(70)-G121410	12/14/10	1012390-16A	36
MTR-MW32(24.1)-G121410	12/14/10	1012390-17A	36
MTR-MW32(110)-G121410	12/14/10	1012390-18A	36
MTR-MW32(89)-G121410	12/14/10	1012390-19A	36
MTR-MW60(38)-G121410	12/14/10	1012390-20A	36
MTR-MW13-G121410	12/14/10	1012492-01A	36
MTR-MW24(55.4)-G121410R	12/14/10	1012492-02A	36
MTR-MW56(50)-G121410	12/14/10	1012492-03A	36
MTR-MW50(45)-G121410	12/14/10	1012492-04A	36
MTR-MW50(80)-G121410	12/14/10	1012492-05A	36
MTR-MW30(41.1)-G121410	12/14/10	1012492-06A	36
MTR-MW50(130)-G121410	12/14/10	1012492-07A	36
MTR-EB001-121410	12/14/10	1012492-08A	36
MTR-MW24(55.4)-G121410	12/14/10	1012492-09A	36
MTR-EB002-121410	12/14/10	1012492-10A	36
MTR-TB001-121410	12/14/10	1012492-11A	36
MTR-EB001-121510	12/15/10	1012492-12A	36
MTR-EB002-121510	12/15/10	1012492-13A	36
MTR-MW25(82)-G121510	12/15/10	1012492-14A	36
MTR-MW25(16.4)-G121510	12/15/10	1012492-15A	36
MTR-MW25(32.6)-G121510	12/15/10	1012492-16A	36
MTR-MW27(18)-G121510	12/15/10	1012492-17A	36
MTR-MW27(18)-G121510R	12/15/10	1012492-18A	36
MTR-MW15-G121510	12/15/10	1012492-19A	36
MTR-MW27(104.2)-G121510	12/15/10	1012492-20A	36
MTR-MW27(75.4)-G121510	12/15/10	1012492-21A	36
MTR-MW16-G121510	12/15/10	1012492-22A	36
MTR-MW14-G121510	12/15/10	1012492-23A	36
MTR-MW17-G121510	12/15/10	1012492-24A	36
MTR-MW26(17.5)-G121510	12/15/10	1012492-25A	36
MTR-MW26(58.2)-G121510	12/15/10	1012492-26A	36
MTR-4377NOHWY31-G121510	12/15/10	1012492-27A	36
MTR-MW27(53.05)-G121510	12/15/10	1012492-28A	36
MTR-MW20(35)-G121610	12/16/10	1012492-29A	36
MTR-MW20(51)-G121610	12/16/10	1012492-30A	36
MTR-MW20(51)-G121610R	12/16/10	1012492-31A	36
MTR-MW20(124)-G121610	12/16/10	1012492-32A	36
MTR-MW20(155)-G121610	12/16/10	1012492-33A	36
MTR-MW6C-G121610	12/16/10	1012492-34A	36

**TABLE 1**  
**SUMMARY OF SAMPLES AND ANALYTICAL PARAMETERS**  
**GROUNDWATER SAMPLING - DECEMBER 2010**  
**TEXTRON FORMER TORX FACILITY**  
**ROCHESTER, INDIANA**

		<b>Filtered:</b>	<b>N</b>
		<b>Parameter:</b>	<b>VOC</b>
		<b>Method:</b>	<b>SW8260</b>
<b>Field ID</b>	<b>Date Collect</b>	<b>Sample ID</b>	
MTR-MW59(29)-G121610	12/16/10	1012492-35A	36
MTR-MW59(46)-G121610	12/16/10	1012492-36A	36
MTR-MW59(46)-G121610R	12/16/10	1012492-37A	36
MTR-MW62(36)-G121610	12/16/10	1012492-38A	36
MTR-MW62(36)-G121610R	12/16/10	1012492-39A	36
MTR-EB001-121610	12/16/10	1012492-40A	36
MTR-EB002-121610	12/16/10	1012492-41A	36
MTR-MW19(53)-G121410	12/14/10	1012492-42A	36

**Notes:**

Number listed under method indicates number of target analytes reported.

Prepared by / Date: KJC 01/10/11  
Checked by / Date: CSR 1/12/11

**TABLE 2  
 QC LIMITS  
 DATA VALIDATION REPORT  
 DECEMBER 2010 NATURE AND EXTENT GROUNDWATER SAMPLING  
 TEXTRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA**

PARAMETER	QC TEST	ANALYTE	WATER (%)	Water RPD
Volatiles	Surrogate	All Surrogates	85 – 115	
	LCS	All Target Compounds	70 – 130	
	MS/MSD	All Target Compounds	70 – 130	20
	Field Duplicates	All Target Compounds		25

**Notes:**

LCS - Laboratory Control Sample

MS/MSD - Matrix Spike/ Matrix Spike Duplicate

**TABLE 3**  
**DATA VALIDATION ACTION SUMMARY**  
**GROUNDWATER SAMPLING - DECEMBER 2010**  
**TEXTRON FORMER TORX FACILITY**  
**ROCHESTER, INDIANA**

Sample Delivery Group	Lab Sample ID	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Validation Reason Code	Result Units
1012326	1012326-23A	SW8260	MTR-MW1-G120810	Acetone	1.6 J		20 U		BL2	ug/L
1012492	1012492-40A	SW8260	MTR-EB001-121610	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-41A	SW8260	MTR-EB002-121610	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-19A	SW8260	MTR-MW15-G121510	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-42A	SW8260	MTR-MW19(53)-G121410	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-32A	SW8260	MTR-MW20(124)-G121610	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-33A	SW8260	MTR-MW20(155)-G121610	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-30A	SW8260	MTR-MW20(51)-G121610	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-31A	SW8260	MTR-MW20(51)-G121610R	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-26A	SW8260	MTR-MW26(58.2)-G121510	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-28A	SW8260	MTR-MW27(53.05)-G121510	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-35A	SW8260	MTR-MW59(29)-G121610	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-36A	SW8260	MTR-MW59(46)-G121610	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-37A	SW8260	MTR-MW59(46)-G121610R	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-38A	SW8260	MTR-MW62(36)-G121610	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-39A	SW8260	MTR-MW62(36)-G121610R	2-Hexanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-40A	SW8260	MTR-EB001-121610	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-41A	SW8260	MTR-EB002-121610	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-19A	SW8260	MTR-MW15-G121510	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-42A	SW8260	MTR-MW19(53)-G121410	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-32A	SW8260	MTR-MW20(124)-G121610	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-33A	SW8260	MTR-MW20(155)-G121610	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-30A	SW8260	MTR-MW20(51)-G121610	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-31A	SW8260	MTR-MW20(51)-G121610R	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-26A	SW8260	MTR-MW26(58.2)-G121510	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-28A	SW8260	MTR-MW27(53.05)-G121510	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-35A	SW8260	MTR-MW59(29)-G121610	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-36A	SW8260	MTR-MW59(46)-G121610	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-37A	SW8260	MTR-MW59(46)-G121610R	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-38A	SW8260	MTR-MW62(36)-G121610	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-39A	SW8260	MTR-MW62(36)-G121610R	4-Methyl-2-pentanone	5 U		5 UJ		CCV%D	ug/L
1012492	1012492-40A	SW8260	MTR-EB001-121610	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-41A	SW8260	MTR-EB002-121610	Bromomethane	1 U		1 UJ		CCV%D	ug/L

**TABLE 3**  
**DATA VALIDATION ACTION SUMMARY**  
**GROUNDWATER SAMPLING - DECEMBER 2010**  
**TEXTRON FORMER TORX FACILITY**  
**ROCHESTER, INDIANA**

Sample Delivery Group	Lab Sample ID	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Validation Reason Code	Result Units
1012492	1012492-19A	SW8260	MTR-MW15-G121510	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-42A	SW8260	MTR-MW19(53)-G121410	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-32A	SW8260	MTR-MW20(124)-G121610	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-33A	SW8260	MTR-MW20(155)-G121610	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-30A	SW8260	MTR-MW20(51)-G121610	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-31A	SW8260	MTR-MW20(51)-G121610R	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-26A	SW8260	MTR-MW26(58.2)-G121510	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-28A	SW8260	MTR-MW27(53.05)-G121510	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-35A	SW8260	MTR-MW59(29)-G121610	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-36A	SW8260	MTR-MW59(46)-G121610	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-37A	SW8260	MTR-MW59(46)-G121610R	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-38A	SW8260	MTR-MW62(36)-G121610	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-39A	SW8260	MTR-MW62(36)-G121610R	Bromomethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-40A	SW8260	MTR-EB001-121610	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-41A	SW8260	MTR-EB002-121610	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-19A	SW8260	MTR-MW15-G121510	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-42A	SW8260	MTR-MW19(53)-G121410	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-32A	SW8260	MTR-MW20(124)-G121610	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-33A	SW8260	MTR-MW20(155)-G121610	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-30A	SW8260	MTR-MW20(51)-G121610	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-31A	SW8260	MTR-MW20(51)-G121610R	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-26A	SW8260	MTR-MW26(58.2)-G121510	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-28A	SW8260	MTR-MW27(53.05)-G121510	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-35A	SW8260	MTR-MW59(29)-G121610	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-36A	SW8260	MTR-MW59(46)-G121610	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-37A	SW8260	MTR-MW59(46)-G121610R	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-38A	SW8260	MTR-MW62(36)-G121610	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-39A	SW8260	MTR-MW62(36)-G121610R	Chloroethane	1 U		1 UJ		CCV%D	ug/L
1012492	1012492-09A	SW8260	MTR-MW24(55.4)-G121410	Vinyl chloride	1 U		1 UJ		FD	ug/L
1012492	1012492-02A	SW8260	MTR-MW24(55.4)-G121410R	Vinyl chloride	1.2		1.2 J		FD	ug/L
1012492	1012492-23A	SW8260	MTR-MW14-G121510	1,1-Dichloroethene	2.3		2.3 J		LCS-H	ug/L
1012492	1012492-15A	SW8260	MTR-MW25(16.4)-G121510	1,1-Dichloroethene	4.5		4.5 J		LCS-H	ug/L
1012492	1012492-25A	SW8260	MTR-MW26(17.5)-G121510	1,1-Dichloroethene	3		3 J		LCS-H	ug/L

**TABLE 3**  
**DATA VALIDATION ACTION SUMMARY**  
**GROUNDWATER SAMPLING - DECEMBER 2010**  
**TEXTRON FORMER TORX FACILITY**  
**ROCHESTER, INDIANA**

Sample Delivery Group	Lab Sample ID	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Validation Reason Code	Result Units
1012492	1012492-17A	SW8260	MTR-MW27(18)-G121510	1,1-Dichloroethene	2.2		2.2 J		LCS-H	ug/L
1012492	1012492-18A	SW8260	MTR-MW27(18)-G121510R	1,1-Dichloroethene	2.1		2.1 J		LCS-H	ug/L
1012390	1012390-06A	SW8260	MTR-MW67(30)-G121310	1,1-Dichloroethene	20		20 J		LCS-H	ug/L
1012390	1012390-05A	SW8260	MTR-MW67(30)-G121310R	1,1-Dichloroethene	22		22 J		LCS-H	ug/L
1012390	1012390-08A	SW8260	MTR-MW68(32)-G121310	1,1-Dichloroethene	48		48 J		LCS-H	ug/L
1012390	1012390-09A	SW8260	MTR-MW72(32)-G121310	1,1-Dichloroethene	220		220 J		LCS-H	ug/L
1012276	1012276-09A	SW8260	MTR-EB001-120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-25A	SW8260	MTR-EB001-120810	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-18A	SW8260	MTR-EB002-120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-26A	SW8260	MTR-EB002-120810	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-27A	SW8260	MTR-FB001-120810	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-10A	SW8260	MTR-MW35(148)-G120810	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-15A	SW8260	MTR-MW36(35.2)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-16A	SW8260	MTR-MW36(92.4)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-11A	SW8260	MTR-MW37(23.3)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-13A	SW8260	MTR-MW37(70)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-12A	SW8260	MTR-MW37(98)-G120710R	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-14A	SW8260	MTR-MW37(98)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-04A	SW8260	MTR-MW38(102.5)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-08A	SW8260	MTR-MW38(20.8)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-07A	SW8260	MTR-MW38(29.1)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-05A	SW8260	MTR-MW38(69.9)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-06A	SW8260	MTR-MW38(69.9)-G120710R	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-03A	SW8260	MTR-MW39(13)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-02A	SW8260	MTR-MW39(29.3)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-01A	SW8260	MTR-MW39(76.8)-G120710	1,1,2,2-Tetrachloroethane	1 U		1 UJ		LCS-RPD	ug/L
1012276	1012276-09A	SW8260	MTR-EB001-120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-25A	SW8260	MTR-EB001-120810	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-18A	SW8260	MTR-EB002-120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-26A	SW8260	MTR-EB002-120810	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-27A	SW8260	MTR-FB001-120810	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-10A	SW8260	MTR-MW35(148)-G120810	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-15A	SW8260	MTR-MW36(35.2)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L

**TABLE 3**  
**DATA VALIDATION ACTION SUMMARY**  
**GROUNDWATER SAMPLING - DECEMBER 2010**  
**TEXTRON FORMER TORX FACILITY**  
**ROCHESTER, INDIANA**

Sample Delivery Group	Lab Sample ID	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Validation Reason Code	Result Units
1012276	1012276-16A	SW8260	MTR-MW36(92.4)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-11A	SW8260	MTR-MW37(23.3)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-13A	SW8260	MTR-MW37(70)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-12A	SW8260	MTR-MW37(98)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-14A	SW8260	MTR-MW37(98)-G120710R	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-04A	SW8260	MTR-MW38(102.5)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-08A	SW8260	MTR-MW38(20.8)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-07A	SW8260	MTR-MW38(29.1)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-05A	SW8260	MTR-MW38(69.9)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-06A	SW8260	MTR-MW38(69.9)-G120710R	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-03A	SW8260	MTR-MW39(13)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-02A	SW8260	MTR-MW39(29.3)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012276	1012276-01A	SW8260	MTR-MW39(76.8)-G120710	4-Methyl-2-pentanone	5 U		5 UJ		LCS-RPD	ug/L
1012326	1012326-09A	SW8260	MTR-MW3-G121010	Cis-1,2-Dichloroethene	67		67 J		MS-L	ug/L
1012326	1012326-09A	SW8260	MTR-MW3-G121010	Vinyl chloride	44		44 J		MS-L	ug/L
1012492	1012492-24A	SW8260	MTR-MW17-G121510	Bromomethane	1 U		1 UJ		MS-L, MS-RPD	ug/L

Prepared by / Date: KJC 02/01/11  
Checked by / Date: CSR 2/3/11

BL2 - Field QC Blank Qualifier  
CCV%D - Continuing calibration %D  
FD - Field duplicate limit exceeded  
LCS-H - LCS recovery high  
LCS-RPD - LCS-LCSD RPD limit exceeded  
MS-L - MS and/or MSD recovery low  
MS-RPD - MS/MSD RPD limit exceeded

U - not detected, value is the detection limit  
J - value is estimated

ug/L - microgram per liter



TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TEXTRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Units	4377 N 31		MW-1		MW-11		MW-12		MW-13		MW-14																			
			Field Sample ID	Sample Date	Sample Delivery Group	Sample Type	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual																
SW8260	1,1,1-Trichloroethane	ug/L	MTR-4377NDHWY31-G121510	12/15/2010	1012492	FS	1 U	MTR-MW1-G120810	12/15/2010	1012326	FS	1 U	MTR-MW11-G121310	12/13/2010	1012390	FS	1 U	MTR-MW12-G121310	12/13/2010	1012390	FS	10 U	MTR-MW13-G121410	12/14/2010	1012492	FS	5 U	MTR-MW14-G121510	12/15/2010	1012492	FS	1 U
SW8260	1,1,2,2-Tetrachloroethane	ug/L					1 U					1 U					1 U					10 U									1 U	
SW8260	1,1,2-Trichloroethane	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	1,1-Dichloroethane	ug/L					0.62 J					1 U					1 U					10 U								1 U		
SW8260	1,1-Dichloroethane	ug/L					1 U					1 U					1 U					10 U								2.3 J		
SW8260	1,2-Dichloroethane	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	1,2-Dichloropropane	ug/L					2 U					2 U					2 U					20 U								2 U		
SW8260	2-Butanone	ug/L					5 U					5 U					5 U					50 U								5 U		
SW8260	4-Hexanone	ug/L					5 U					5 U					5 U					50 U								5 U		
SW8260	4-Methyl-2-pentanone	ug/L					5 U					5 U					5 U					50 U								5 U		
SW8260	Acetone	ug/L					20 U					20 U					20 U					200 U								20 U		
SW8260	Benzene	ug/L					1.4					1 U					1 U					10 U								1 U		
SW8260	Bromodichloromethane	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	Bromoform	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	Bromomethane	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	Carbon disulfide	ug/L					2.5 U					2.5 U					2.5 U					25 U								2.5 U		
SW8260	Carbon tetrachloride	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	Chlorobenzene	ug/L					7.4					1 U					1 U					10 U								1 U		
SW8260	Chlorodibromomethane	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	Chloroethane	ug/L					1.2					1 U					1 U					10 U								1 U		
SW8260	Chloroform	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	Chloromethane	ug/L					0.62 J					0.62 J					0.62 J					6900								100		
SW8260	Cis-1,2-Dichloroethene	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	cis-1,3-Dichloropropene	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	Ethyl benzene	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	Methylene chloride	ug/L					5 U					5 U					5 U					50 U								5 U		
SW8260	Styrene	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	Tetrachloroethene	ug/L					2 U					2 U					2 U					20 U								2 U		
SW8260	Toluene	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	trans-1,2-Dichloroethene	ug/L					1 U					1 U					1 U					29								3.4		
SW8260	trans-1,3-Dichloropropene	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	Trichloroethene	ug/L					1 U					1 U					1 U					10 U								15		
SW8260	Vinyl chloride	ug/L					0.87 J					0.87 J					0.87 J					1300								5.9		
SW8260	Xylene, m/p	ug/L					2 U					2 U					2 U					20 U								2 U		
SW8260	Xylene, o	ug/L					1 U					1 U					1 U					10 U								1 U		
SW8260	Xylenes, Total	ug/L					2 U					2 U					2 U					20 U								2 U		

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TETRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location Field Sample ID Sample Date Sample Delivery Group Sample Type	Units	MW-15		MW-16		MW-17		MW-19		MW-20		MW-20	
				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	1,1,2,2-Tetrachloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	1,1,2-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	1,1-Dichloroethene	ug/L	15		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	1,2-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	1,2-Dichloropropane	ug/L	2 U		2 U		2 U		2 U		2 U		2 U		2 U
SW8260	2-Butanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U		5 U
SW8260	2-Hexanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U		5 U
SW8260	4-Methyl-2-pentanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U		5 U
SW8260	Acetone	ug/L	20 U		20 U		20 U		20 U		20 U		20 U		20 U
SW8260	Benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Bromodichloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Bromoform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Bromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Carbon disulfide	ug/L	2.5 U		2.5 U		2.5 U		2.5 U		2.5 U		2.5 U		2.5 U
SW8260	Carbon tetrachloride	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Chlorobenzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Chlorodibromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Chloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Chloroform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Chloromethane	ug/L	3000		3000		3000		3000		3000		3000		3000
SW8260	Cis-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	cis-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Ethyl benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Methylene chloride	ug/L	5 U		5 U		5 U		5 U		5 U		5 U		5 U
SW8260	Styrene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Tetrachloroethene	ug/L	2 U		2 U		2 U		2 U		2 U		2 U		2 U
SW8260	Toluene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	trans-1,2-Dichloroethene	ug/L	64		8.4		3.3		1 U		1 U		1 U		1 U
SW8260	trans-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Trichloroethene	ug/L	37		45		300		1 U		1 U		1 U		1 U
SW8260	Vinyl chloride	ug/L	560		100		1 U		1 U		10		1 U		1 U
SW8260	Xylene, m/p	ug/L	2 U		2 U		2 U		2 U		2 U		2 U		2 U
SW8260	Xylene, o	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U
SW8260	Xylenes, Total	ug/L	2 U		2 U		2 U		2 U		2 U		2 U		2 U

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TETRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location Field Sample ID Sample Date Sample Delivery Group Sample Type	MW-20 MTR-MW20(35)-G121610 12/16/2010 1012492 FS	MW-20 MTR-MW20(51)-G121610 12/16/2010 1012492 FS	MW-20 MTR-MW20(51)-G121610R 12/16/2010 1012492 FD	MW-24 MTR-MW24(55,A)-G121410 12/14/2010 1012492 FS	MW-24 MTR-MW24(55,A)-G121410R 12/14/2010 1012492 FD	MW-25 MTR-MW25(16,A)-G121510 12/15/2010 1012492 FS
		Units	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	1,1,2,2-Tetrachloroethane	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	1,1,2-Trichloroethane	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	1,1-Dichloroethane	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	1,1-Dichloroethane	ug/L	5 U	1 U	1 U	0.75 J	4.5 J	4.5 J
SW8260	1,2-Dichloroethane	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	1,2-Dichloropropane	ug/L	10 U	2 U	2 U	2 U	2 U	2 U
SW8260	2-Butanone	ug/L	25 U	5 U	5 U	5 U	5 U	5 U
SW8260	2-Hexanone	ug/L	25 U	5 UJ	5 UJ	5 U	5 U	5 U
SW8260	4-Methyl-2-pentanone	ug/L	25 U	5 UJ	5 UJ	5 U	5 U	5 U
SW8260	Acetone	ug/L	100 U	20 U	20 U	20 U	20 U	20 U
SW8260	Benzene	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Bromodichloromethane	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Bromoform	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Bromomethane	ug/L	5 U	1 UJ	1 UJ	1 U	1 U	1 U
SW8260	Carbon disulfide	ug/L	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SW8260	Carbon tetrachloride	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Chlorobenzene	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Chlorodibromomethane	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Chloroethane	ug/L	5 U	1 UJ	1 UJ	1 U	1 U	1 U
SW8260	Chloroform	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Chloromethane	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Cis-1,2-Dichloroethane	ug/L	2200	59	56	130	110	1800
SW8260	dis-1,3-Dichloropropene	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Ethyl benzene	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Methylene chloride	ug/L	25 U	5 U	5 U	5 U	5 U	5 U
SW8260	Styrene	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Tetrachloroethane	ug/L	10 U	2 U	2 U	2 U	2 U	2 U
SW8260	Toluene	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	trans-1,2-Dichloroethane	ug/L	10	1 U	1 U	9.3	8.3	9.8
SW8260	trans-1,3-Dichloropropene	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Trichloroethane	ug/L	10	1 U	1 U	140	130	960
SW8260	Vinyl chloride	ug/L	1300	680	670	1 UJ	1.2 J	2 U
SW8260	Xylene, m/p	ug/L	10 U	2 U	2 U	2 U	2 U	2 U
SW8260	Xylene, o	ug/L	5 U	1 U	1 U	1 U	1 U	1 U
SW8260	Xylenes, Total	ug/L	10 U	2 U	2 U	2 U	2 U	2 U

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TEXTRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location Field Sample ID Sample Date Sample Delivery Group Sample Type	MW-25		MW-26		MW-26		MW-27		MW-27	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	1,1,2,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	1,1,2-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	1,1-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	1,1-Dichloroethene	ug/L	1 U	3 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2 J
SW8260	1,2-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	1,2-Dichloropropane	ug/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
SW8260	2-Butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8260	2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8260	4-Methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8260	Acetone	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
SW8260	Benzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Bromodichloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Bromoform	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Bromomethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Bromosulfide	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SW8260	Carbon tetrachloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Chlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Chlorodibromomethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Chloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Chloroform	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Chloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Cis-1,2-Dichloroethene	ug/L	110	1900	1 U	1 U	1 U	1 U	1 U	1 U	1 U	790
SW8260	cis-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Ethyl benzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Methylene chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8260	Styrene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Tetrachloroethene	ug/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
SW8260	Toluene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	trans-1,2-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	trans-1,3-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Trichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Vinyl chloride	ug/L	110	2.8	2 U	2 U	2 U	2 U	2 U	2 U	2 U	160
SW8260	Xylene, m/p	ug/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
SW8260	Xylene, o	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
SW8260	Xylenes, Total	ug/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TEXTRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location Field Sample ID Sample Date Sample Delivery Group Sample Type	MW-27		MW-27		MW-27		MW-29		MW-29		MW-29	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,1,2,2-Tetrachloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethene	ug/L	2.1 J		1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloropropane	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	2-Butanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	2-Hexanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	4-Methyl-2-pentanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Acetone	ug/L	20 U		20 U		20 U		20 U		20 U		20 U	
SW8260	Benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromodichloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromoform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Carbon disulfide	ug/L	2.5 U		2.5 U		2.5 U		2.5 U		2.5 U		2.5 U	
SW8260	Carbon tetrachloride	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorobenzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorodibromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Cis-1,2-Dichloroethene	ug/L	780		1 U		1 U		1 U		1 U		1 U	
SW8260	dis-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Ethyl benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Methylene chloride	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Styrene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Tetrachloroethene	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Toluene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,2-Dichloroethene	ug/L	5.5		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,3-Dichloropropene	ug/L	19		12		1 U		1 U		1 U		1 U	
SW8260	Trichloroethene	ug/L	150		1 U		1 U		1 U		1 U		1 U	
SW8260	Vinyl chloride	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Xylene, m/p	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Xylene, o	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Xylenes, Total	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TETRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Field Sample ID	Location	MW-3			MW-30			MW-31			MW-31			MW-31			MW-31								
				Sample Date	MTR-MW3-G121010	Result	FS	Qual	Sample Date	MTR-MW30(41.1)-G121410	Result	FS	Qual	Sample Date	MTR-MW31(139.2)-G120910	Result	FS	Qual	Sample Date	MTR-MW31(30.9)-G120910	Result	FS	Qual	Sample Date	MTR-MW31(66.5)-G120910	Result	FS
Sample Delivery Group	Sample Type	Units																									
SW8260	1,1,1-Trichloroethane	ug/L	1 U																								
SW8260	1,1,2,2-Tetrachloroethane	ug/L	1 U																								
SW8260	1,1,2-Trichloroethane	ug/L	1 U																								
SW8260	1,1-Dichloroethane	ug/L	1 U																								
SW8260	1,1-Dichloroethane	ug/L	1 U																								
SW8260	1,2-Dichloroethane	ug/L	1 U																								
SW8260	1,2-Dichloropropane	ug/L	2 U																								
SW8260	2-Butanone	ug/L	5 U																								
SW8260	2-Hexanone	ug/L	5 U																								
SW8260	4-Methyl-2-pentanone	ug/L	5 U																								
SW8260	Acetone	ug/L	20 U																								
SW8260	Benzene	ug/L	1 U																								
SW8260	Bromodichloromethane	ug/L	1 U																								
SW8260	Bromoform	ug/L	1 U																								
SW8260	Bromomethane	ug/L	1 U																								
SW8260	Carbon disulfide	ug/L	2.5 U																								
SW8260	Carbon tetrachloride	ug/L	1 U																								
SW8260	Chlorobenzene	ug/L	1 U																								
SW8260	Chlorodibromomethane	ug/L	1 U																								
SW8260	Chloroethane	ug/L	1 U																								
SW8260	Chloroform	ug/L	1 U																								
SW8260	Chloromethane	ug/L	1 U																								
SW8260	Cis-1,2-Dichloroethene	ug/L	67 J																								
SW8260	dis-1,3-Dichloropropene	ug/L	0.36 J																								
SW8260	Ethyl benzene	ug/L	5 U																								
SW8260	Methylene chloride	ug/L	1 U																								
SW8260	Styrene	ug/L	1 U																								
SW8260	Tetrachloroethene	ug/L	2 U																								
SW8260	Toluene	ug/L	1 U																								
SW8260	trans-1,2-Dichloroethene	ug/L	1 U																								
SW8260	trans-1,3-Dichloropropene	ug/L	1 U																								
SW8260	Trichloroethene	ug/L	1 U																								
SW8260	Vinyl chloride	ug/L	58																								
SW8260	Xylene, m/p	ug/L	44 J																								
SW8260	Xylene, o	ug/L	2 U																								
SW8260	Xylenes, Total	ug/L	1 U																								
SW8260			2 U																								

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TEXTRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Units	MW-32		MW-32		MW-34		MW-34		MW-34	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2,2-Tetrachloroethane	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloropropane	ug/L	2 U		2 U		2 U		2 U		2 U	
SW8260	2-Butanone	ug/L	5 U		5 U		5 U		5 U		5 U	
SW8260	2-Hexanone	ug/L	5 U		5 U		5 U		5 U		5 U	
SW8260	4-Methyl-2-pentanone	ug/L	5 U		5 U		5 U		5 U		5 U	
SW8260	Acetone	ug/L	20 U		20 U		20 U		20 U		20 U	
SW8260	Benzene	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Bromodichloromethane	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Bromoform	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Bromomethane	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Carbon disulfide	ug/L	2.5 U		2.5 U		2.5 U		2.5 U		2.5 U	
SW8260	Carbon tetrachloride	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorobenzene	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorodibromomethane	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroethane	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroform	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Chloromethane	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Cis-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	cis-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Ethyl benzene	ug/L	5 U		5 U		5 U		5 U		5 U	
SW8260	Methylene chloride	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Styrene	ug/L	2 U		2 U		2 U		2 U		2 U	
SW8260	Tetrachloroethene	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Toluene	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Trichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Vinyl chloride	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Xylene, m/p	ug/L	2 U		2 U		2 U		2 U		2 U	
SW8260	Xylene, o	ug/L	1 U		1 U		1 U		1 U		1 U	
SW8260	Xylenes, Total	ug/L	2 U		2 U		2 U		2 U		2 U	

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TEXTRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location Field Sample ID Sample Date Sample Delivery Group Sample Type	MW-35		MW-35		MW-35		MW-36		MW-36		MW-36	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2,2-Tetrachloroethane	ug/L	1 UJ		1 U		1 UJ		1 UJ		1 UJ		1 UJ	
SW8260	1,1,2-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloroethane	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	1,2-Dichloropropane	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	2-Butanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	2-Hexanone	ug/L	5 UJ		5 U		5 U		5 U		5 U		5 U	
SW8260	4-Methyl-2-pentanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Acetone	ug/L	20 U		20 U		20 U		20 U		20 U		20 U	
SW8260	Benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromodichloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromoform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Carbon disulfide	ug/L	2.5 U		2.5 U		2.5 U		2.5 U		2.5 U		2.5 U	
SW8260	Carbon tetrachloride	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorobenzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorodibromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Cis-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	cis-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Ethyl benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Methylene chloride	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Styrene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Tetrachloroethene	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Toluene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Trichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Vinyl chloride	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Xylene, m/p	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Xylene, o	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Xylenes, Total	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	

Notes:  
 U = undetected  
 J = estimated value



TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TEXTRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location Field Sample ID Sample Date Sample Delivery Group Sample Type	MW-37 MTR-MW37(23-3)-G120710 12/7/2010 1012276		MW-37 MTR-MW37(70)-G120710 12/7/2010 1012276		MW-37 MTR-MW37(98)-G120710 12/7/2010 1012276		MW-37 MTR-MW37(98)-G120710R 12/7/2010 1012276		MW-38 MTR-MW38(102-5)-G120710 12/7/2010 1012276		MW-38 MTR-MW38(20-8)-G120710 12/7/2010 1012276	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2,2-Tetrachloroethane	ug/L	1 UJ		1 UJ		1 UJ		1 UJ		1 UJ		1 UJ	
SW8260	1,1,2-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloroethane	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	1,2-Dichloroethene	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	2-Butanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	2-Hexanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	4-Methyl-2-pentanone	ug/L	5 UJ		5 UJ		5 UJ		5 UJ		5 UJ		5 UJ	
SW8260	Acetone	ug/L	20 U		20 U		20 U		20 U		20 U		20 U	
SW8260	Benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromodichloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromoform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Carbon disulfide	ug/L	2.5 U		2.5 U		2.5 U		2.5 U		2.5 U		2.5 U	
SW8260	Carbon tetrachloride	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorobenzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorodibromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Cis-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	cis-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Ethyl benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Methylene chloride	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Styrene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Tetrachloroethene	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Toluene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Trichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Vinyl chloride	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Xylene, m/p	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Xylene, o	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Xylenes, Total	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	

Notes:

U = undetected

J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TEXTRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location Field Sample ID Sample Date Sample Delivery Group Sample Type	MW-38		MW-38		MW-38		MW-39		MW-39		MW-39	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	1,1,2,2-Tetrachloroethane	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	1,1,2-Trichloroethane	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	1,2-Dichloroethane	ug/L	2 U		2 U			2 U		2 U		2 U		2 U
SW8260	1,2-Dichloropropane	ug/L	5 U		5 U			5 U		5 U		5 U		5 U
SW8260	2-Butanone	ug/L	5 U		5 U			5 U		5 U		5 U		5 U
SW8260	2-Hexanone	ug/L	5 U		5 U			5 U		5 U		5 U		5 U
SW8260	4-Methyl-2-pentanone	ug/L	5 U		5 U			5 U		5 U		5 U		5 U
SW8260	Acetone	ug/L	20 U		20 U			20 U		20 U		20 U		20 U
SW8260	Benzene	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Bromodichloromethane	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Bromoform	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Bromomethane	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Carbon disulfide	ug/L	2.5 U		2.5 U			2.5 U		2.5 U		2.5 U		2.5 U
SW8260	Carbon tetrachloride	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Chlorobenzene	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Chlorodibromomethane	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Chloroethane	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Chloroform	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Chloromethane	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Cis-1,2-Dichloroethane	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	cis-1,3-Dichloropropene	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Ethyl benzene	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Methylene chloride	ug/L	5 U		5 U			5 U		5 U		5 U		5 U
SW8260	Styrene	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Tetrachloroethene	ug/L	2 U		2 U			2 U		2 U		2 U		2 U
SW8260	Toluene	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	trans-1,2-Dichloroethene	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	trans-1,3-Dichloropropene	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Trichloroethene	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Vinyl chloride	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Xylene, m/p	ug/L	2 U		2 U			2 U		2 U		2 U		2 U
SW8260	Xylene, o	ug/L	1 U		1 U			1 U		1 U		1 U		1 U
SW8260	Xylenes, Total	ug/L	2 U		2 U			2 U		2 U		2 U		2 U

Notes:

U = undetected

J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TEXTRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Field Sample ID	Location	MW-45		MW-48		MW-48		MW-48		MW-48		MW-49		
				Sample Date	MTR-MW45(185)-G120810	Sample Date	MTR-MW48(105)-G120910	Sample Date	MTR-MW48(129)-G120910	Sample Date	MTR-MW48(159)-G120910	Sample Date	MTR-MW48(69)-G120910	Sample Date	MTR-MW49(20)-G120810	
Sample Delivery Group	Sample Type	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2,2-Tetrachloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloropropane	ug/L	2 U		2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	2-Butanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	2-Hexanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	4-Methyl-2-pentanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Acetone	ug/L	20 U		20 U		20 U		20 U		20 U		20 U		20 U	
SW8260	Benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromodichloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromoform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Carbon disulfide	ug/L	2.5 U		2.5 U		2.5 U		2.5 U		2.5 U		2.5 U		2.5 U	
SW8260	Carbon tetrachloride	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorobenzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorodibromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Cis-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	dis-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Ethyl benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Methylene chloride	ug/L	5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Styrene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Tetrachloroethene	ug/L	2 U		2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Toluene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Trichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Vinyl chloride	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Xylene, m/p	ug/L	2 U		2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Xylene, o	ug/L	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Xylenes, Total	ug/L	2 U		2 U		2 U		2 U		2 U		2 U		2 U	

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TEXTRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location Field Sample ID Sample Date Sample Delivery Group Sample Type	MW-49		MW-49		MW-49		MW-50		MW-50		MW-50	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2,2-Tetrachloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloropropane	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	2-Butanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	2-Hexanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	4-Methyl-2-pentanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Acetone	ug/L	20 U		20 U		20 U		20 U		20 U		20 U	
SW8260	Benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromodichloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromoform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Carbon disulfide	ug/L	2.5 U		2.5 U		2.5 U		2.5 U		2.5 U		2.5 U	
SW8260	Carbon tetrachloride	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorobenzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorodibromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Cis-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	cis-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Ethyl benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Methylene chloride	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Styrene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Tetrachloroethene	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Toluene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Trichloroethene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Vinyl chloride	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Xylene, m/p	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Xylene, o	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Xylenes, Total	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TETRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location Field Sample ID Sample Date Sample Delivery Group Sample Type	MW-51		MW-51		MW-51		MW-52		MW-52		MW-53			
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SW8260	1,1,1-Trichloroethane	MTR-MW51(117)-G121410 12/14/2010 1012390 FS	1 U		MTR-MW51(25)-G121410 12/14/2010 1012390 FS	1 U		MTR-MW52(148)-G120910 12/19/2010 1012326 FS	1 U		MTR-MW52(65)-G120910 12/19/2010 1012326 FS	1 U		MTR-MW53(41)-G120810 12/18/2010 1012326 FS	1 U	
SW8260	1,1,2,2-Tetrachloroethane		1 U			1 U			1 U			1 U			1 U	
SW8260	1,1,2-Trichloroethane		1 U			1 U			1 U			1 U			1 U	
SW8260	1,1-Dichloroethane		1 U			1 U			1 U			1 U			1 U	
SW8260	1,1-Dichloroethene		1 U			1 U			1 U			1 U			1 U	
SW8260	1,2-Dichloroethane		2 U			2 U			2 U			2 U			2 U	
SW8260	1,2-Dichloropropane		5 U			5 U			5 U			5 U			5 U	
SW8260	2-Butanone		5 U			5 U			5 U			5 U			5 U	
SW8260	4-Hexanone		5 U			5 U			5 U			5 U			5 U	
SW8260	4-Methyl-2-pentanone		5 U			5 U			5 U			5 U			5 U	
SW8260	Acetone		20 U			20 U			20 U			20 U			20 U	
SW8260	Benzene		1 U			1 U			1 U			1 U			1 U	
SW8260	Bromodichloromethane		1 U			1 U			1 U			1 U			1 U	
SW8260	Bromoform		1 U			1 U			1 U			1 U			1 U	
SW8260	Bromomethane		1 U			1 U			1 U			1 U			1 U	
SW8260	Carbon disulfide		2.5 U			2.5 U			2.5 U			2.5 U			2.5 U	
SW8260	Carbon tetrachloride		1 U			1 U			1 U			1 U			1 U	
SW8260	Chlorobenzene		1 U			1 U			1 U			1 U			1 U	
SW8260	Chlorodibromomethane		1 U			1 U			1 U			1 U			1 U	
SW8260	Chloroethane		1 U			1 U			1 U			1 U			1 U	
SW8260	Chloroform		1 U			1 U			1 U			1 U			1 U	
SW8260	Chloromethane		1 U			1 U			1 U			1 U			1 U	
SW8260	Cis-1,2-Dichloroethene		1 U			1 U			1 U			1 U			1 U	
SW8260	cis-1,3-Dichloropropene		1 U			1 U			1 U			1 U			1 U	
SW8260	Ethyl benzene		1 U			1 U			1 U			1 U			1 U	
SW8260	Methylene chloride		5 U			5 U			5 U			5 U			5 U	
SW8260	Styrene		1 U			1 U			1 U			1 U			1 U	
SW8260	Tetrachloroethene		2 U			2 U			2 U			2 U			2 U	
SW8260	Toluene		1 U			1 U			1 U			1 U			1 U	
SW8260	trans-1,2-Dichloroethene		1 U			1 U			1 U			1 U			1 U	
SW8260	trans-1,3-Dichloropropene		1 U			1 U			1 U			1 U			1 U	
SW8260	Trichloroethene		1 U			1 U			1 U			1 U			1 U	
SW8260	Vinyl chloride		1 U			1 U			1 U			1 U			1 U	
SW8260	Xylene, m/p		2 U			2 U			2 U			2 U			2 U	
SW8260	Xylene, o		1 U			1 U			1 U			1 U			1 U	
SW8260	Xylenes, Total		2 U			2 U			2 U			2 U			2 U	

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TETRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location Field Sample ID Sample Date Sample Delivery Group Sample Type	MW-55		MW-56		MW-57		MW-59		MW-59		MW-59	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2,2-Tetrachloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2-Trichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethene	ug/L	1 U		1 U		1 U		220		12		11	
SW8260	1,2-Dichloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloroethene	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	2-Butanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	2-Hexanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	4-Methyl-2-pentanone	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Acetone	ug/L	20 U		20 U		20 U		20 U		20 U		20 U	
SW8260	Benzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromodichloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromoform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Carbon disulfide	ug/L	2.5 U		2.5 U		2.5 U		2.5 U		2.5 U		2.5 U	
SW8260	Carbon tetrachloride	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorobenzene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorodibromomethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroform	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloromethane	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Cis-1,2-Dichloroethene	ug/L	2.7		16		1.5		53000		1400		1300	
SW8260	cis-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Ethyl benzene	ug/L	1 U		1 U		1 U		9.2		4.6		4.3	
SW8260	Methylene chloride	ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Styrene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Tetrachloroethene	ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Toluene	ug/L	1 U		1 U		1 U		110		1.5		1.4	
SW8260	trans-1,2-Dichloroethene	ug/L	1 U		1 U		1 U		310		8.9		7.7	
SW8260	trans-1,3-Dichloropropene	ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Trichloroethene	ug/L	3.1		1.6		1.6		520		120		100	
SW8260	Vinyl chloride	ug/L	1 U		1 U		1 U		12000		250		260	
SW8260	Xylene, m/p	ug/L	2 U		2 U		2 U		19		3.5		3.2	
SW8260	Xylene, o	ug/L	1 U		1 U		1 U		7.2		2.6		2.4	
SW8260	Xylenes, Total	ug/L	2 U		2 U		2 U		26		6.1		5.7	

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TETRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location		MW-60		MW-61		MW-62		MW-62		MW-65		MW-65	
		Field Sample ID	Sample Date	MTR-MW60(39)-G121410	12/14/2010	MTR-MW61(29)-G121010	12/10/2010	MTR-MW62(36)-G121610	12/16/2010	MTR-MW62(39)-G121610R	12/16/2010	MTR-MW65(32)-G121310	12/13/2010	MTR-MW65(32)-G121310R	12/13/2010
		Sample Delivery Group	Sample Type	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
			Units												
SW8260	1,1,1-Trichloroethane		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2,2-Tetrachloroethane		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1,2-Trichloroethane		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethane		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,1-Dichloroethene		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	1,2-Dichloroethane		ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	1,2-Dichloropropane		ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	2-Butanone		ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	2-Hexanone		ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	4-Methyl-2-pentanone		ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Acetone		ug/L	20 U		20 U		20 U		20 U		20 U		20 U	
SW8260	Benzene		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromodichloromethane		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromoform		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Bromomethane		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Carbon disulfide		ug/L	2.5 U		2.5 U		2.5 U		2.5 U		2.5 U		2.5 U	
SW8260	Carbon tetrachloride		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorobenzene		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chlorodibromomethane		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroethane		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloroform		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Chloromethane		ug/L	64		64		64		64		64		64	
SW8260	Cis-1,2-Dichloroethene		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	cis-1,3-Dichloropropene		ug/L	0.39 J		0.39 J		0.39 J		0.39 J		0.39 J		0.39 J	
SW8260	Ethyl benzene		ug/L	5 U		5 U		5 U		5 U		5 U		5 U	
SW8260	Methylene chloride		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Styrene		ug/L	2 U		2 U		2 U		2 U		2 U		2 U	
SW8260	Tetrachloroethene		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Toluene		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,2-Dichloroethene		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	trans-1,3-Dichloropropene		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Trichloroethene		ug/L	1 U		1 U		1 U		1 U		1 U		1 U	
SW8260	Vinyl chloride		ug/L	100		42		2600		2400		2700		2700	
SW8260	Xylene, m/p		ug/L	2 U		0.37 J		2 U		2 U		2 U		2 U	
SW8260	Xylene, o		ug/L	0.48 J		1 U		1 U		1 U		1 U		1 U	
SW8260	Xylenes, Total		ug/L	0.48 J		2 U		2 U		2 U		2 U		2 U	

Notes:  
 U = undetected  
 J = estimated value

TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TEXTRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location		MW-67		MW-67		MW-68		MW-6C		MW-71		MW-72	
		Field Sample ID	Sample Date	MTR-MW67(30)-G121310	12/13/2010	MTR-MW67(30)-G121310R	12/13/2010	MTR-MW68(32)-G121310	12/13/2010	MTR-MW6C-G121610	12/16/2010	MTR-MW71(33)-G121310	12/13/2010	MTR-MW72(32)-G121310	12/13/2010
	Sample Delivery Group	Sample Type	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SW8260	1,1,1-Trichloroethane		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	1,1,2,2-Tetrachloroethane		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	1,1,2-Trichloroethane		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	1,1-Dichloroethane		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	1,1-Dichloroethane		ug/L	20 J		22 J		48 J		10 U		50 U		220 J	
SW8260	1,2-Dichloroethane		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	1,2-Dichloropropane		ug/L	20 U		20 U		40 U		20 U		100 U		200 U	
SW8260	2-Butanone		ug/L	50 U		50 U		100 U		50 U		250 U		500 U	
SW8260	2-Hexanone		ug/L	50 U		50 U		100 U		50 U		250 U		500 U	
SW8260	4-Methyl-2-pentanone		ug/L	50 U		50 U		100 U		50 U		250 U		500 U	
SW8260	Acetone		ug/L	200 U		200 U		400 U		200 U		1000 U		2000 U	
SW8260	Benzene		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Bromodichloromethane		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Bromoform		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Bromomethane		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Carbon disulfide		ug/L	25 U		25 U		50 U		25 U		120 U		250 U	
SW8260	Carbon tetrachloride		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Chlorobenzene		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Chlorodibromomethane		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Chloroethane		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Chloroform		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Chloromethane		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Cis-1,2-Dichloroethene		ug/L	9300		11000		13000		7700		32000		100000	
SW8260	dis-1,3-Dichloropropene		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Ethyl benzene		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Methylene chloride		ug/L	50 U		50 U		100 U		50 U		250 U		500 U	
SW8260	Styrene		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Tetrachloroethene		ug/L	20 U		20 U		40 U		20 U		100 U		200 U	
SW8260	Toluene		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	trans-1,2-Dichloroethene		ug/L	99		110		250		42		210		280	
SW8260	trans-1,3-Dichloropropene		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Trichloroethene		ug/L	10 U		10 U		20 U		18		100 U		200 U	
SW8260	Vinyl chloride		ug/L	1400		1800		4100		1000		16000		23000	
SW8260	Xylene, m/p		ug/L	20 U		20 U		40 U		20 U		100 U		200 U	
SW8260	Xylene, o		ug/L	10 U		10 U		20 U		10 U		50 U		100 U	
SW8260	Xylenes, Total		ug/L	20 U		20 U		40 U		20 U		100 U		200 U	

Notes:  
 U = undetected  
 J = estimated value



TABLE 4 - FINAL RESULTS  
 DATA VALIDATION SUMMARY REPORT  
 GROUNDWATER SAMPLING - DECEMBER 2010  
 TETRAXON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location		MW-75		MW-9B		MW-9C					
		Field Sample ID	Sample Date	MTR-MW75(32)-G121310	MTR-MW9B-G120910	MTR-MW9C-G120910	Sample Delivery Group	Sample Type	Units	Result	Qual		
SW8260	1,1,1-Trichloroethane			12/13/2010	12/9/2010	12/9/2010	1012390	1012326	1012326	FS	1 U	1 U	1 U
SW8260	1,1,2,2-Tetrachloroethane										1 U	1 U	1 U
SW8260	1,1,2-Trichloroethane										1 U	1 U	1 U
SW8260	1,1-Dichloroethane										1 U	1 U	1 U
SW8260	1,1-Dichloroethane										1 U	1 U	1 U
SW8260	1,2-Dichloroethane										2 U	2 U	2 U
SW8260	1,2-Dichloropropane										5 U	5 U	5 U
SW8260	2-Butanone										5 U	5 U	5 U
SW8260	2-Hexanone										5 U	5 U	5 U
SW8260	4-Methyl-2-pentanone										20 U	20 U	20 U
SW8260	Acetone										1 U	1 U	1 U
SW8260	Benzene										1 U	1 U	1 U
SW8260	Bromodichloromethane										1 U	1 U	1 U
SW8260	Bromoform										1 U	1 U	1 U
SW8260	Bromomethane										1 U	1 U	1 U
SW8260	Carbon disulfide										2.5 U	2.5 U	2.5 U
SW8260	Carbon tetrachloride										1 U	1 U	1 U
SW8260	Chlorobenzene										1 U	1 U	1 U
SW8260	Chlorodibromomethane										1 U	1 U	1 U
SW8260	Chloroethane										1 U	1 U	1 U
SW8260	Chloroform										1 U	1 U	1 U
SW8260	Chloromethane										1 U	1 U	1 U
SW8260	Cis-1,2-Dichloroethene										1 U	1 U	1 U
SW8260	cis-1,3-Dichloropropene										1 U	1 U	1 U
SW8260	Ethyl benzene										1 U	1 U	1 U
SW8260	Methylene chloride										5 U	5 U	5 U
SW8260	Styrene										1 U	1 U	1 U
SW8260	Tetrachloroethene										2 U	2 U	2 U
SW8260	Toluene										1 U	1 U	1 U
SW8260	trans-1,2-Dichloroethene										1 U	1 U	1 U
SW8260	trans-1,3-Dichloropropene										1 U	1 U	1 U
SW8260	Trichloroethene										5.8	5.8	1.5
SW8260	Vinyl chloride										1 U	1 U	1 U
SW8260	Xylene, m/p										2 U	2 U	2 U
SW8260	Xylene, o										1 U	1 U	1 U
SW8260	Xylenes, Total										2 U	2 U	2 U

Prepared by / Date: KJC 02/01/11

Checked by / Date:

Notes:

U = undetected

J = estimated value

**TABLE 4**  
**DATA VALIDATION SUMMARY REPORT**  
**DECEMBER 2010 RESIDENTIAL WATER SYSTEM SAMPLING**  
**TEXTRON FORMER TORX FACILITY**  
**ROCHESTER, INDIANA**

Method	Parameter Name	Location		QC	
		Field Sample ID	Sample Date		TB-001-1210
		Sample Delivery Group	Sample Type	Result	Qual
E524.2	1,1,1,2-Tetrachloroethane		ug/L	0.5 U	
E524.2	1,1,1-Trichloroethane		ug/L	0.5 U	
E524.2	1,1,2,2-Tetrachloroethane		ug/L	0.5 U	
E524.2	1,1,2-Trichloroethane		ug/L	0.5 U	
E524.2	1,1-Dichloroethane		ug/L	0.5 U	
E524.2	1,1-Dichloroethene		ug/L	0.5 U	
E524.2	1,2,3-Trichlorobenzene		ug/L	0.5 U	
E524.2	1,2,3-Trichloropropane		ug/L	0.5 U	
E524.2	1,2,4-Trichlorobenzene		ug/L	0.5 U	
E524.2	1,2,4-Trimethylbenzene		ug/L	0.5 U	
E524.2	1,2-Dibromo-3-chloropropane		ug/L	0.5 U	
E524.2	1,2-Dibromoethane		ug/L	0.5 U	
E524.2	1,2-Dichlorobenzene		ug/L	0.5 U	
E524.2	1,2-Dichloroethane		ug/L	0.5 U	
E524.2	1,2-Dichloropropane		ug/L	0.5 U	
E524.2	1,3,5-Trimethylbenzene		ug/L	0.5 U	
E524.2	1,3-Dichlorobenzene		ug/L	0.5 U	
E524.2	1,3-Dichloropropane		ug/L	0.5 U	
E524.2	1,4-Dichlorobenzene		ug/L	0.5 U	
E524.2	2,2-Dichloropropane		ug/L	0.5 U	
E524.2	2-Chlorotoluene		ug/L	0.5 U	
E524.2	4-Chlorotoluene		ug/L	0.5 U	
E524.2	4-iso-Propyltoluene		ug/L	0.5 U	
E524.2	Benzene		ug/L	0.5 U	
E524.2	Bromobenzene		ug/L	0.5 U	
E524.2	Bromochloromethane		ug/L	0.5 U	
E524.2	Bromodichloromethane		ug/L	0.5 U	
E524.2	Bromoforn		ug/L	0.5 U	
E524.2	Bromomethane		ug/L	0.5 U	
E524.2	Carbon tetrachloride		ug/L	0.5 U	
E524.2	Chlorobenzene		ug/L	0.5 U	
E524.2	Chlorodibromomethane		ug/L	0.5 U	
E524.2	Chloroethane		ug/L	0.5 U	
E524.2	Chloroform		ug/L	0.5 U	
E524.2	Chloromethane		ug/L	0.5 U	
E524.2	Cis-1,2-Dichloroethene		ug/L	0.5 U	
E524.2	cis-1,3-Dichloropropene		ug/L	0.5 U	
E524.2	Dibromomethane		ug/L	0.5 U	
E524.2	Dichlorodifluoromethane		ug/L	0.5 U	
E524.2	Ethyl benzene		ug/L	0.5 U	
E524.2	Hexachlorobutadiene		ug/L	1 U	
E524.2	Isopropylbenzene		ug/L	0.5 U	

TABLE 4  
 DATA VALIDATION SUMMARY REPORT  
 DECEMBER 2010 RESIDENTIAL WATER SYSTEM SAMPLING  
 TETRON FORMER TORX FACILITY  
 ROCHESTER, INDIANA

Method	Parameter Name	Location		QC	
		Field Sample ID	Sample Date		TB-001-1210 12/14/2010
		Sample Delivery Group	Sample Type	Result	Qual
		Units			
E524.2	Methyl Tertbutyl Ether	ug/L		0.5 U	
E524.2	Methylene chloride	ug/L		1.3	
E524.2	n-Butylbenzene	ug/L		0.5 U	
E524.2	Naphthalene	ug/L		0.5 U	
E524.2	Propylbenzene	ug/L		0.5 U	
E524.2	sec-Butylbenzene	ug/L		0.5 U	
E524.2	Styrene	ug/L		0.5 U	
E524.2	tert-Butylbenzene	ug/L		0.5 U	
E524.2	Tetrachloroethene	ug/L		0.5 U	
E524.2	Toluene	ug/L		0.5 U	
E524.2	trans-1,2-Dichloroethene	ug/L		0.5 U	
E524.2	trans-1,3-Dichloropropene	ug/L		0.5 U	
E524.2	Trichloroethene	ug/L		0.5 U	
E524.2	Trichlorofluoromethane	ug/L		0.5 U	
E524.2	Vinyl chloride	ug/L		0.5 U	
E524.2	Xylene, m/p	ug/L		1 U	
E524.2	Xylene, o	ug/L		0.5 U	
E524.2	Xylenes, Total	ug/L		0.5 U	

ug/L = microgram per liter

U = not detected, value is the detection limit

J = value is estimated

TB = Trip Blank

Prepared by / Date: KJC 01/25/11

Checked by / Date: CSR 1/25/11