

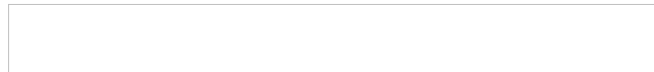


CERTIFICATE OF ANALYSIS

David Heislein
 MACTEC Engineering & Consulting, Inc.
 107 Audubon Road
 Wakefield, MA 01880

RE: Textron Gorham (3650100169)
ESS Laboratory Work Order Number: 1008142

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
 Laboratory Director

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

ESS Laboratory certifies that the test results meet the requirements of NELAC and A2LA, except where noted within this project narrative.



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

SAMPLE RECEIPT

The following samples were received on August 10, 2010 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	SampleName	Matrix	Analysis
1008142-01	GWMW239	Ground Water	8260B
1008142-02	GWMW240	Ground Water	8260B
1008142-03	GWMW236s	Ground Water	8260B
1008142-04	GWMW236s Dup	Ground Water	8260B
1008142-05	GWMW 236D	Ground Water	8260B
1008142-06	GWMW242	Ground Water	8260B
1008142-07	GWMW241	Ground Water	8260B
1008142-08	GWMW238D	Ground Water	8260B
1008142-09	GWMW238S	Ground Water	8260B
1008142-10	GWTB01	Aqueous	8260B

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

PROJECT NARRATIVE

8260B Volatile Organic Compounds

1008142-02 [Present in Method Blank \(B\).](#)
Acetone

1008142-07 [Present in Method Blank \(B\).](#)
Methylene Chloride

1008142-09 [pH > 2 \(PH+\)](#)

CH01208-MS1 [Matrix Spike recovery is below lower control limit \(M-\).](#)
Bromomethane (66% @ 70-130%)

CH01208-MS1 [Reported above the quantitation limit; Estimated value \(E\).](#)
cis-1,2-Dichloroethene (127% @ 70-130%), Trichloroethene (-242% @ 70-130%)

CH01208-MSD1 [Reported above the quantitation limit; Estimated value \(E\).](#)
cis-1,2-Dichloroethene (136% @ 70-130%), Trichloroethene (-509% @ 70-130%)

CH01314-BS1 [Blank Spike recovery is above upper control limit \(B+\).](#)
2-Butanone (137% @ 70-130%), 2-Hexanone (162% @ 70-130%), Acetone (207% @ 70-130%)

CH01314-BSD1 [Blank Spike recovery is above upper control limit \(B+\).](#)
2-Butanone (133% @ 70-130%), 2-Hexanone (144% @ 70-130%), Acetone (191% @ 70-130%)

CH01616-BS1 [Blank Spike recovery is above upper control limit \(B+\).](#)
Acetone (145% @ 70-130%)

CH01616-BSD1 [Relative percent difference for duplicate is outside of criteria \(D+\).](#)
Acetone (36%)

CTH0087-CCV1 [Continuing Calibration recovery is below lower control limit \(C-\).](#)
Bromomethane (64% @ 70-130%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)
[Semivolatile Organics Internal Standard Information](#)
[Semivolatile Organics Surrogate Information](#)
[Volatile Organics Internal Standard Information](#)
[Volatile Organics Surrogate Information](#)
[EPH and VPH Alkane Lists](#)

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW239
 Date Sampled: 08/09/10 13:05
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-01
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
1,1,1,2-Tetrachloroethane	ND (0.0010)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
1,1,1-Trichloroethane	ND (0.0010)	0.0002	0.2	1	08/12/10 14:42	CTH0087	CH01208
1,1,2,2-Tetrachloroethane	ND (0.0005)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
1,1,2-Trichloroethane	ND (0.0010)	0.0002	0.005	1	08/12/10 14:42	CTH0087	CH01208
1,1-Dichloroethane	ND (0.0010)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
1,1-Dichloroethene	ND (0.0010)	0.0003	0.007	1	08/12/10 14:42	CTH0087	CH01208
1,1-Dichloropropene	ND (0.0020)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
1,2,3-Trichlorobenzene	ND (0.0010)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
1,2,3-Trichloropropane	ND (0.0010)	0.0003		1	08/12/10 14:42	CTH0087	CH01208
1,2,4-Trichlorobenzene	ND (0.0010)	0.0002	0.07	1	08/12/10 14:42	CTH0087	CH01208
1,2,4-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
1,2-Dibromo-3-Chloropropane	ND (0.0050)	0.0010	0.0002	1	08/12/10 14:42	CTH0087	CH01208
1,2-Dibromoethane	ND (0.0010)	0.0002	0.00005	1	08/12/10 14:42	CTH0087	CH01208
1,2-Dichlorobenzene	ND (0.0010)	0.0001	0.6	1	08/12/10 14:42	CTH0087	CH01208
1,2-Dichloroethane	ND (0.0010)	0.0002	0.005	1	08/12/10 14:42	CTH0087	CH01208
1,2-Dichloropropane	ND (0.0010)	0.0002	0.005	1	08/12/10 14:42	CTH0087	CH01208
1,3,5-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
1,3-Dichlorobenzene	ND (0.0010)	0.0002	0.6	1	08/12/10 14:42	CTH0087	CH01208
1,3-Dichloropropane	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
1,4-Dichlorobenzene	ND (0.0010)	0.0001	0.075	1	08/12/10 14:42	CTH0087	CH01208
1,4-Dioxane - Screen	ND (0.500)	0.190		1	08/12/10 14:42	CTH0087	CH01208
1-Chlorohexane	ND (0.0010)	0.0004		1	08/12/10 14:42	CTH0087	CH01208
2,2-Dichloropropane	ND (0.0010)	0.0003		1	08/12/10 14:42	CTH0087	CH01208
2-Butanone	ND (0.0250)	0.0058		1	08/12/10 14:42	CTH0087	CH01208
2-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
2-Hexanone	ND (0.0100)	0.0015		1	08/12/10 14:42	CTH0087	CH01208
4-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
4-Isopropyltoluene	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
4-Methyl-2-Pentanone	ND (0.0250)	0.0016		1	08/12/10 14:42	CTH0087	CH01208
Acetone	ND (0.0250)	0.0050		1	08/12/10 14:42	CTH0087	CH01208
Benzene	ND (0.0010)	0.0001	0.005	1	08/12/10 14:42	CTH0087	CH01208
Bromobenzene	ND (0.0020)	0.0002		1	08/12/10 14:42	CTH0087	CH01208

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW239
 Date Sampled: 08/09/10 13:05
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-01
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Bromochloromethane	ND (0.0010)	0.0003		1	08/12/10 14:42	CTH0087	CH01208
Bromodichloromethane	ND (0.0006)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
Bromoform	ND (0.0010)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
Bromomethane	ND (0.0020)	0.0004		1	08/12/10 14:42	CTH0087	CH01208
Carbon Disulfide	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
Carbon Tetrachloride	ND (0.0010)	0.0001	0.005	1	08/12/10 14:42	CTH0087	CH01208
Chlorobenzene	ND (0.0010)	0.0001	0.1	1	08/12/10 14:42	CTH0087	CH01208
Chloroethane	ND (0.0020)	0.0004		1	08/12/10 14:42	CTH0087	CH01208
Chloroform	J 0.0010 (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
Chloromethane	ND (0.0020)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
cis-1,2-Dichloroethene	0.0036 (0.0010)	0.0002	0.07	1	08/12/10 14:42	CTH0087	CH01208
cis-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
Dibromochloromethane	ND (0.0010)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
Dibromomethane	ND (0.0010)	0.0003		1	08/12/10 14:42	CTH0087	CH01208
Dichlorodifluoromethane	ND (0.0020)	0.0003		1	08/12/10 14:42	CTH0087	CH01208
Diethyl Ether	ND (0.0010)	0.0003		1	08/12/10 14:42	CTH0087	CH01208
Di-isopropyl ether	ND (0.0010)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
Ethyl tertiary-butyl ether	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
Ethylbenzene	ND (0.0010)	0.0001	0.7	1	08/12/10 14:42	CTH0087	CH01208
Hexachlorobutadiene	ND (0.0006)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
Hexachloroethane	ND (0.0010)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
Isopropylbenzene	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
Methyl tert-Butyl Ether	ND (0.0010)	0.0003	0.04	1	08/12/10 14:42	CTH0087	CH01208
Methylene Chloride	ND (0.0040)	0.0002	0.005	1	08/12/10 14:42	CTH0087	CH01208
Naphthalene	ND (0.0010)	0.0002	0.02	1	08/12/10 14:42	CTH0087	CH01208
n-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
n-Propylbenzene	ND (0.0010)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
sec-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
Styrene	ND (0.0010)	0.0001	0.1	1	08/12/10 14:42	CTH0087	CH01208
tert-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 14:42	CTH0087	CH01208
Tertiary-amyl methyl ether	ND (0.0010)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
Tetrachloroethene	ND (0.0010)	0.0002	0.005	1	08/12/10 14:42	CTH0087	CH01208



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW239
 Date Sampled: 08/09/10 13:05
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-01
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Tetrahydrofuran	ND (0.0050)	0.0016		1	08/12/10 14:42	CTH0087	CH01208
Toluene	ND (0.0010)	0.0001	1	1	08/12/10 14:42	CTH0087	CH01208
trans-1,2-Dichloroethene	ND (0.0010)	0.0003	0.1	1	08/12/10 14:42	CTH0087	CH01208
trans-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 14:42	CTH0087	CH01208
Trichloroethene	0.0012 (0.0010)	0.0002	0.005	1	08/12/10 14:42	CTH0087	CH01208
Trichlorofluoromethane	ND (0.0010)	0.0004		1	08/12/10 14:42	CTH0087	CH01208
Vinyl Acetate	ND (0.0050)	0.0005		1	08/12/10 14:42	CTH0087	CH01208
Vinyl Chloride	ND (0.0010)	0.0002	0.002	1	08/12/10 14:42	CTH0087	CH01208
Xylene O	ND (0.0010)	0.0001	10	1	08/12/10 14:42	CTH0087	CH01208
Xylene P,M	ND (0.0020)	0.0002	10	1	08/12/10 14:42	CTH0087	CH01208
Xylenes (Total)	ND (0.0030)		10	1	08/12/10 14:42		[CALC]
Trihalomethanes (Total)	ND (0.0036)		0.1		08/12/10 14:42		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichloroethane-d4	87 %		70-130
Surrogate: 4-Bromofluorobenzene	94 %		70-130
Surrogate: Dibromofluoromethane	93 %		70-130
Surrogate: Toluene-d8	105 %		70-130

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW240
 Date Sampled: 08/09/10 13:35
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-02
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
1,1,1,2-Tetrachloroethane	ND (0.0010)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
1,1,1-Trichloroethane	ND (0.0010)	0.0002	0.2	1	08/12/10 15:14	CTH0087	CH01208
1,1,2,2-Tetrachloroethane	ND (0.0005)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
1,1,2-Trichloroethane	ND (0.0010)	0.0002	0.005	1	08/12/10 15:14	CTH0087	CH01208
1,1-Dichloroethane	ND (0.0010)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
1,1-Dichloroethene	ND (0.0010)	0.0003	0.007	1	08/12/10 15:14	CTH0087	CH01208
1,1-Dichloropropene	ND (0.0020)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
1,2,3-Trichlorobenzene	ND (0.0010)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
1,2,3-Trichloropropane	ND (0.0010)	0.0003		1	08/12/10 15:14	CTH0087	CH01208
1,2,4-Trichlorobenzene	ND (0.0010)	0.0002	0.07	1	08/12/10 15:14	CTH0087	CH01208
1,2,4-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
1,2-Dibromo-3-Chloropropane	ND (0.0050)	0.0010	0.0002	1	08/12/10 15:14	CTH0087	CH01208
1,2-Dibromoethane	ND (0.0010)	0.0002	0.00005	1	08/12/10 15:14	CTH0087	CH01208
1,2-Dichlorobenzene	ND (0.0010)	0.0001	0.6	1	08/12/10 15:14	CTH0087	CH01208
1,2-Dichloroethane	ND (0.0010)	0.0002	0.005	1	08/12/10 15:14	CTH0087	CH01208
1,2-Dichloropropane	ND (0.0010)	0.0002	0.005	1	08/12/10 15:14	CTH0087	CH01208
1,3,5-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
1,3-Dichlorobenzene	ND (0.0010)	0.0002	0.6	1	08/12/10 15:14	CTH0087	CH01208
1,3-Dichloropropane	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
1,4-Dichlorobenzene	ND (0.0010)	0.0001	0.075	1	08/12/10 15:14	CTH0087	CH01208
1,4-Dioxane - Screen	ND (0.500)	0.190		1	08/12/10 15:14	CTH0087	CH01208
1-Chlorohexane	ND (0.0010)	0.0004		1	08/12/10 15:14	CTH0087	CH01208
2,2-Dichloropropane	ND (0.0010)	0.0003		1	08/12/10 15:14	CTH0087	CH01208
2-Butanone	ND (0.0250)	0.0058		1	08/12/10 15:14	CTH0087	CH01208
2-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
2-Hexanone	ND (0.0100)	0.0015		1	08/12/10 15:14	CTH0087	CH01208
4-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
4-Isopropyltoluene	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
4-Methyl-2-Pentanone	ND (0.0250)	0.0016		1	08/12/10 15:14	CTH0087	CH01208
Acetone	B, J 0.0069 (0.0250)	0.0050		1	08/12/10 15:14	CTH0087	CH01208
Benzene	ND (0.0010)	0.0001	0.005	1	08/12/10 15:14	CTH0087	CH01208
Bromobenzene	ND (0.0020)	0.0002		1	08/12/10 15:14	CTH0087	CH01208

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW240
 Date Sampled: 08/09/10 13:35
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-02
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Bromochloromethane	ND (0.0010)	0.0003		1	08/12/10 15:14	CTH0087	CH01208
Bromodichloromethane	0.0041 (0.0006)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
Bromoform	ND (0.0010)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
Bromomethane	ND (0.0020)	0.0004		1	08/12/10 15:14	CTH0087	CH01208
Carbon Disulfide	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
Carbon Tetrachloride	ND (0.0010)	0.0001	0.005	1	08/12/10 15:14	CTH0087	CH01208
Chlorobenzene	ND (0.0010)	0.0001	0.1	1	08/12/10 15:14	CTH0087	CH01208
Chloroethane	ND (0.0020)	0.0004		1	08/12/10 15:14	CTH0087	CH01208
Chloroform	0.0215 (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
Chloromethane	ND (0.0020)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
cis-1,2-Dichloroethene	0.0122 (0.0010)	0.0002	0.07	1	08/12/10 15:14	CTH0087	CH01208
cis-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
Dibromochloromethane	J 0.0009 (0.0010)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
Dibromomethane	ND (0.0010)	0.0003		1	08/12/10 15:14	CTH0087	CH01208
Dichlorodifluoromethane	ND (0.0020)	0.0003		1	08/12/10 15:14	CTH0087	CH01208
Diethyl Ether	ND (0.0010)	0.0003		1	08/12/10 15:14	CTH0087	CH01208
Di-isopropyl ether	ND (0.0010)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
Ethyl tertiary-butyl ether	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
Ethylbenzene	ND (0.0010)	0.0001	0.7	1	08/12/10 15:14	CTH0087	CH01208
Hexachlorobutadiene	ND (0.0006)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
Hexachloroethane	ND (0.0010)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
Isopropylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
Methyl tert-Butyl Ether	ND (0.0010)	0.0003	0.04	1	08/12/10 15:14	CTH0087	CH01208
Methylene Chloride	ND (0.0040)	0.0002	0.005	1	08/12/10 15:14	CTH0087	CH01208
Naphthalene	ND (0.0010)	0.0002	0.02	1	08/12/10 15:14	CTH0087	CH01208
n-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
n-Propylbenzene	ND (0.0010)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
sec-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
Styrene	ND (0.0010)	0.0001	0.1	1	08/12/10 15:14	CTH0087	CH01208
tert-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:14	CTH0087	CH01208
Tertiary-amyl methyl ether	ND (0.0010)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
Tetrachloroethene	0.0035 (0.0010)	0.0002	0.005	1	08/12/10 15:14	CTH0087	CH01208



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW240
 Date Sampled: 08/09/10 13:35
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-02
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Tetrahydrofuran	ND (0.0050)	0.0016		1	08/12/10 15:14	CTH0087	CH01208
Toluene	ND (0.0010)	0.0001	1	1	08/12/10 15:14	CTH0087	CH01208
trans-1,2-Dichloroethene	ND (0.0010)	0.0003	0.1	1	08/12/10 15:14	CTH0087	CH01208
trans-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 15:14	CTH0087	CH01208
Trichloroethene	0.0089 (0.0010)	0.0002	0.005	1	08/12/10 15:14	CTH0087	CH01208
Trichlorofluoromethane	ND (0.0010)	0.0004		1	08/12/10 15:14	CTH0087	CH01208
Vinyl Acetate	ND (0.0050)	0.0005		1	08/12/10 15:14	CTH0087	CH01208
Vinyl Chloride	ND (0.0010)	0.0002	0.002	1	08/12/10 15:14	CTH0087	CH01208
Xylene O	ND (0.0010)	0.0001	10	1	08/12/10 15:14	CTH0087	CH01208
Xylene P,M	ND (0.0020)	0.0002	10	1	08/12/10 15:14	CTH0087	CH01208
Xylenes (Total)	ND (0.0030)		10	1	08/12/10 15:14		[CALC]
Trihalomethanes (Total)	0.0264 (0.0036)		0.1		08/12/10 15:14		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichloroethane-d4	86 %		70-130
Surrogate: 4-Bromofluorobenzene	92 %		70-130
Surrogate: Dibromofluoromethane	93 %		70-130
Surrogate: Toluene-d8	105 %		70-130

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW236s
 Date Sampled: 08/09/10 15:50
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-03
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
1,1,1,2-Tetrachloroethane	ND (0.0010)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
1,1,1-Trichloroethane	ND (0.0010)	0.0002	0.2	1	08/12/10 15:46	CTH0087	CH01208
1,1,2,2-Tetrachloroethane	ND (0.0005)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
1,1,2-Trichloroethane	0.0029 (0.0010)	0.0002	0.005	1	08/12/10 15:46	CTH0087	CH01208
1,1-Dichloroethane	ND (0.0010)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
1,1-Dichloroethene	0.0061 (0.0010)	0.0003	0.007	1	08/12/10 15:46	CTH0087	CH01208
1,1-Dichloropropene	ND (0.0020)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
1,2,3-Trichlorobenzene	ND (0.0010)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
1,2,3-Trichloropropane	ND (0.0010)	0.0003		1	08/12/10 15:46	CTH0087	CH01208
1,2,4-Trichlorobenzene	ND (0.0010)	0.0002	0.07	1	08/12/10 15:46	CTH0087	CH01208
1,2,4-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
1,2-Dibromo-3-Chloropropane	ND (0.0050)	0.0010	0.0002	1	08/12/10 15:46	CTH0087	CH01208
1,2-Dibromoethane	ND (0.0010)	0.0002	0.00005	1	08/12/10 15:46	CTH0087	CH01208
1,2-Dichlorobenzene	ND (0.0010)	0.0001	0.6	1	08/12/10 15:46	CTH0087	CH01208
1,2-Dichloroethane	0.0020 (0.0010)	0.0002	0.005	1	08/12/10 15:46	CTH0087	CH01208
1,2-Dichloropropane	ND (0.0010)	0.0002	0.005	1	08/12/10 15:46	CTH0087	CH01208
1,3,5-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
1,3-Dichlorobenzene	ND (0.0010)	0.0002	0.6	1	08/12/10 15:46	CTH0087	CH01208
1,3-Dichloropropane	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
1,4-Dichlorobenzene	ND (0.0010)	0.0001	0.075	1	08/12/10 15:46	CTH0087	CH01208
1,4-Dioxane - Screen	ND (0.500)	0.190		1	08/12/10 15:46	CTH0087	CH01208
1-Chlorohexane	ND (0.0010)	0.0004		1	08/12/10 15:46	CTH0087	CH01208
2,2-Dichloropropane	ND (0.0010)	0.0003		1	08/12/10 15:46	CTH0087	CH01208
2-Butanone	ND (0.0250)	0.0058		1	08/12/10 15:46	CTH0087	CH01208
2-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
2-Hexanone	ND (0.0100)	0.0015		1	08/12/10 15:46	CTH0087	CH01208
4-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
4-Isopropyltoluene	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
4-Methyl-2-Pentanone	ND (0.0250)	0.0016		1	08/12/10 15:46	CTH0087	CH01208
Acetone	ND (0.0250)	0.0050		1	08/12/10 15:46	CTH0087	CH01208
Benzene	J 0.0006 (0.0010)	0.0001	0.005	1	08/12/10 15:46	CTH0087	CH01208
Bromobenzene	ND (0.0020)	0.0002		1	08/12/10 15:46	CTH0087	CH01208

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW236s
 Date Sampled: 08/09/10 15:50
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-03
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Bromochloromethane	ND (0.0010)	0.0003		1	08/12/10 15:46	CTH0087	CH01208
Bromodichloromethane	ND (0.0006)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
Bromoform	ND (0.0010)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
Bromomethane	ND (0.0020)	0.0004		1	08/12/10 15:46	CTH0087	CH01208
Carbon Disulfide	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
Carbon Tetrachloride	ND (0.0010)	0.0001	0.005	1	08/12/10 15:46	CTH0087	CH01208
Chlorobenzene	ND (0.0010)	0.0001	0.1	1	08/12/10 15:46	CTH0087	CH01208
Chloroethane	ND (0.0020)	0.0004		1	08/12/10 15:46	CTH0087	CH01208
Chloroform	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
Chloromethane	ND (0.0020)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
cis-1,2-Dichloroethene	0.0980 (0.0010)	0.0002	0.07	1	08/12/10 15:46	CTH0087	CH01208
cis-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
Dibromochloromethane	ND (0.0010)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
Dibromomethane	ND (0.0010)	0.0003		1	08/12/10 15:46	CTH0087	CH01208
Dichlorodifluoromethane	ND (0.0020)	0.0003		1	08/12/10 15:46	CTH0087	CH01208
Diethyl Ether	ND (0.0010)	0.0003		1	08/12/10 15:46	CTH0087	CH01208
Di-isopropyl ether	ND (0.0010)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
Ethyl tertiary-butyl ether	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
Ethylbenzene	ND (0.0010)	0.0001	0.7	1	08/12/10 15:46	CTH0087	CH01208
Hexachlorobutadiene	ND (0.0006)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
Hexachloroethane	ND (0.0010)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
Isopropylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
Methyl tert-Butyl Ether	ND (0.0010)	0.0003	0.04	1	08/12/10 15:46	CTH0087	CH01208
Methylene Chloride	ND (0.0040)	0.0002	0.005	1	08/12/10 15:46	CTH0087	CH01208
Naphthalene	ND (0.0010)	0.0002	0.02	1	08/12/10 15:46	CTH0087	CH01208
n-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
n-Propylbenzene	ND (0.0010)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
sec-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
Styrene	ND (0.0010)	0.0001	0.1	1	08/12/10 15:46	CTH0087	CH01208
tert-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 15:46	CTH0087	CH01208
Tertiary-amyl methyl ether	ND (0.0010)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
Tetrachloroethene	0.0095 (0.0010)	0.0002	0.005	1	08/12/10 15:46	CTH0087	CH01208



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham
Client Sample ID: GWMW236s
Date Sampled: 08/09/10 15:50
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
ESS Laboratory Sample ID: 1008142-03
Sample Matrix: Ground Water
Units: mg/L
Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Tetrahydrofuran	ND (0.0050)	0.0016		1	08/12/10 15:46	CTH0087	CH01208
Toluene	ND (0.0010)	0.0001	1	1	08/12/10 15:46	CTH0087	CH01208
trans-1,2-Dichloroethene	J 0.0006 (0.0010)	0.0003	0.1	1	08/12/10 15:46	CTH0087	CH01208
trans-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 15:46	CTH0087	CH01208
Trichloroethene	0.793 (0.0200)	0.0040	0.005	20	08/16/10 14:14	CTH0087	CH01208
Trichlorofluoromethane	ND (0.0010)	0.0004		1	08/12/10 15:46	CTH0087	CH01208
Vinyl Acetate	ND (0.0050)	0.0005		1	08/12/10 15:46	CTH0087	CH01208
Vinyl Chloride	0.0014 (0.0010)	0.0002	0.002	1	08/12/10 15:46	CTH0087	CH01208
Xylene O	ND (0.0010)	0.0001	10	1	08/12/10 15:46	CTH0087	CH01208
Xylene P,M	ND (0.0020)	0.0002	10	1	08/12/10 15:46	CTH0087	CH01208
Xylenes (Total)	ND (0.0030)		10	1	08/12/10 15:46		[CALC]
Trihalomethanes (Total)	ND (0.0036)		0.1		08/12/10 15:46		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	86 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	90 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	92 %		70-130
<i>Surrogate: Toluene-d8</i>	107 %		70-130



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham
Client Sample ID: GWMW236s Dup
Date Sampled: 08/09/10 15:50
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
ESS Laboratory Sample ID: 1008142-04
Sample Matrix: Ground Water
Units: mg/L
Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
1,1,1,2-Tetrachloroethane	ND (0.0010)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
1,1,1-Trichloroethane	ND (0.0010)	0.0002	0.2	1	08/12/10 16:19	CTH0087	CH01208
1,1,2,2-Tetrachloroethane	ND (0.0005)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
1,1,2-Trichloroethane	0.0031 (0.0010)	0.0002	0.005	1	08/12/10 16:19	CTH0087	CH01208
1,1-Dichloroethane	ND (0.0010)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
1,1-Dichloroethene	0.0061 (0.0010)	0.0003	0.007	1	08/12/10 16:19	CTH0087	CH01208
1,1-Dichloropropene	ND (0.0020)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
1,2,3-Trichlorobenzene	ND (0.0010)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
1,2,3-Trichloropropane	ND (0.0010)	0.0003		1	08/12/10 16:19	CTH0087	CH01208
1,2,4-Trichlorobenzene	ND (0.0010)	0.0002	0.07	1	08/12/10 16:19	CTH0087	CH01208
1,2,4-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
1,2-Dibromo-3-Chloropropane	ND (0.0050)	0.0010	0.0002	1	08/12/10 16:19	CTH0087	CH01208
1,2-Dibromoethane	ND (0.0010)	0.0002	0.00005	1	08/12/10 16:19	CTH0087	CH01208
1,2-Dichlorobenzene	ND (0.0010)	0.0001	0.6	1	08/12/10 16:19	CTH0087	CH01208
1,2-Dichloroethane	0.0018 (0.0010)	0.0002	0.005	1	08/12/10 16:19	CTH0087	CH01208
1,2-Dichloropropane	ND (0.0010)	0.0002	0.005	1	08/12/10 16:19	CTH0087	CH01208
1,3,5-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
1,3-Dichlorobenzene	ND (0.0010)	0.0002	0.6	1	08/12/10 16:19	CTH0087	CH01208
1,3-Dichloropropane	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
1,4-Dichlorobenzene	ND (0.0010)	0.0001	0.075	1	08/12/10 16:19	CTH0087	CH01208
1,4-Dioxane - Screen	ND (0.500)	0.190		1	08/12/10 16:19	CTH0087	CH01208
1-Chlorohexane	ND (0.0010)	0.0004		1	08/12/10 16:19	CTH0087	CH01208
2,2-Dichloropropane	ND (0.0010)	0.0003		1	08/12/10 16:19	CTH0087	CH01208
2-Butanone	ND (0.0250)	0.0058		1	08/12/10 16:19	CTH0087	CH01208
2-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
2-Hexanone	ND (0.0100)	0.0015		1	08/12/10 16:19	CTH0087	CH01208
4-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
4-Isopropyltoluene	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
4-Methyl-2-Pentanone	ND (0.0250)	0.0016		1	08/12/10 16:19	CTH0087	CH01208
Acetone	ND (0.0250)	0.0050		1	08/12/10 16:19	CTH0087	CH01208
Benzene	J 0.0007 (0.0010)	0.0001	0.005	1	08/12/10 16:19	CTH0087	CH01208
Bromobenzene	ND (0.0020)	0.0002		1	08/12/10 16:19	CTH0087	CH01208



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham
Client Sample ID: GWMW236s Dup
Date Sampled: 08/09/10 15:50
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
ESS Laboratory Sample ID: 1008142-04
Sample Matrix: Ground Water
Units: mg/L
Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Bromochloromethane	ND (0.0010)	0.0003		1	08/12/10 16:19	CTH0087	CH01208
Bromodichloromethane	ND (0.0006)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
Bromoform	ND (0.0010)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
Bromomethane	ND (0.0020)	0.0004		1	08/12/10 16:19	CTH0087	CH01208
Carbon Disulfide	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
Carbon Tetrachloride	ND (0.0010)	0.0001	0.005	1	08/12/10 16:19	CTH0087	CH01208
Chlorobenzene	ND (0.0010)	0.0001	0.1	1	08/12/10 16:19	CTH0087	CH01208
Chloroethane	ND (0.0020)	0.0004		1	08/12/10 16:19	CTH0087	CH01208
Chloroform	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
Chloromethane	ND (0.0020)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
cis-1,2-Dichloroethene	0.0948 (0.0200)	0.0040	0.07	20	08/16/10 14:46	CTH0087	CH01208
cis-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
Dibromochloromethane	ND (0.0010)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
Dibromomethane	ND (0.0010)	0.0003		1	08/12/10 16:19	CTH0087	CH01208
Dichlorodifluoromethane	ND (0.0020)	0.0003		1	08/12/10 16:19	CTH0087	CH01208
Diethyl Ether	ND (0.0010)	0.0003		1	08/12/10 16:19	CTH0087	CH01208
Di-isopropyl ether	ND (0.0010)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
Ethyl tertiary-butyl ether	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
Ethylbenzene	ND (0.0010)	0.0001	0.7	1	08/12/10 16:19	CTH0087	CH01208
Hexachlorobutadiene	ND (0.0006)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
Hexachloroethane	ND (0.0010)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
Isopropylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
Methyl tert-Butyl Ether	ND (0.0010)	0.0003	0.04	1	08/12/10 16:19	CTH0087	CH01208
Methylene Chloride	ND (0.0040)	0.0002	0.005	1	08/12/10 16:19	CTH0087	CH01208
Naphthalene	ND (0.0010)	0.0002	0.02	1	08/12/10 16:19	CTH0087	CH01208
n-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
n-Propylbenzene	ND (0.0010)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
sec-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
Styrene	ND (0.0010)	0.0001	0.1	1	08/12/10 16:19	CTH0087	CH01208
tert-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:19	CTH0087	CH01208
Tertiary-amyl methyl ether	ND (0.0010)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
Tetrachloroethene	0.0096 (0.0010)	0.0002	0.005	1	08/12/10 16:19	CTH0087	CH01208



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW236s Dup
 Date Sampled: 08/09/10 15:50
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-04
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Tetrahydrofuran	ND (0.0050)	0.0016		1	08/12/10 16:19	CTH0087	CH01208
Toluene	ND (0.0010)	0.0001	1	1	08/12/10 16:19	CTH0087	CH01208
trans-1,2-Dichloroethene	J 0.0007 (0.0010)	0.0003	0.1	1	08/12/10 16:19	CTH0087	CH01208
trans-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 16:19	CTH0087	CH01208
Trichloroethene	0.821 (0.0200)	0.0040	0.005	20	08/16/10 14:46	CTH0087	CH01208
Trichlorofluoromethane	ND (0.0010)	0.0004		1	08/12/10 16:19	CTH0087	CH01208
Vinyl Acetate	ND (0.0050)	0.0005		1	08/12/10 16:19	CTH0087	CH01208
Vinyl Chloride	0.0014 (0.0010)	0.0002	0.002	1	08/12/10 16:19	CTH0087	CH01208
Xylene O	ND (0.0010)	0.0001	10	1	08/12/10 16:19	CTH0087	CH01208
Xylene P,M	ND (0.0020)	0.0002	10	1	08/12/10 16:19	CTH0087	CH01208
Xylenes (Total)	ND (0.0030)		10	1	08/12/10 16:19		[CALC]
Trihalomethanes (Total)	ND (0.0036)		0.1		08/12/10 16:19		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichloroethane-d4	87 %		70-130
Surrogate: 4-Bromofluorobenzene	94 %		70-130
Surrogate: Dibromofluoromethane	92 %		70-130
Surrogate: Toluene-d8	105 %		70-130

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW 236D
 Date Sampled: 08/09/10 16:55
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-05
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
1,1,1,2-Tetrachloroethane	ND (0.0010)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
1,1,1-Trichloroethane	ND (0.0010)	0.0002	0.2	1	08/12/10 16:51	CTH0087	CH01208
1,1,2,2-Tetrachloroethane	ND (0.0005)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
1,1,2-Trichloroethane	0.0013 (0.0010)	0.0002	0.005	1	08/12/10 16:51	CTH0087	CH01208
1,1-Dichloroethane	ND (0.0010)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
1,1-Dichloroethene	0.0013 (0.0010)	0.0003	0.007	1	08/12/10 16:51	CTH0087	CH01208
1,1-Dichloropropene	ND (0.0020)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
1,2,3-Trichlorobenzene	ND (0.0010)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
1,2,3-Trichloropropane	ND (0.0010)	0.0003		1	08/12/10 16:51	CTH0087	CH01208
1,2,4-Trichlorobenzene	ND (0.0010)	0.0002	0.07	1	08/12/10 16:51	CTH0087	CH01208
1,2,4-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
1,2-Dibromo-3-Chloropropane	ND (0.0050)	0.0010	0.0002	1	08/12/10 16:51	CTH0087	CH01208
1,2-Dibromoethane	ND (0.0010)	0.0002	0.00005	1	08/12/10 16:51	CTH0087	CH01208
1,2-Dichlorobenzene	ND (0.0010)	0.0001	0.6	1	08/12/10 16:51	CTH0087	CH01208
1,2-Dichloroethane	J 0.0006 (0.0010)	0.0002	0.005	1	08/12/10 16:51	CTH0087	CH01208
1,2-Dichloropropane	ND (0.0010)	0.0002	0.005	1	08/12/10 16:51	CTH0087	CH01208
1,3,5-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
1,3-Dichlorobenzene	ND (0.0010)	0.0002	0.6	1	08/12/10 16:51	CTH0087	CH01208
1,3-Dichloropropane	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
1,4-Dichlorobenzene	ND (0.0010)	0.0001	0.075	1	08/12/10 16:51	CTH0087	CH01208
1,4-Dioxane - Screen	ND (0.500)	0.190		1	08/12/10 16:51	CTH0087	CH01208
1-Chlorohexane	ND (0.0010)	0.0004		1	08/12/10 16:51	CTH0087	CH01208
2,2-Dichloropropane	ND (0.0010)	0.0003		1	08/12/10 16:51	CTH0087	CH01208
2-Butanone	ND (0.0250)	0.0058		1	08/12/10 16:51	CTH0087	CH01208
2-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
2-Hexanone	ND (0.0100)	0.0015		1	08/12/10 16:51	CTH0087	CH01208
4-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
4-Isopropyltoluene	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
4-Methyl-2-Pentanone	ND (0.0250)	0.0016		1	08/12/10 16:51	CTH0087	CH01208
Acetone	ND (0.0250)	0.0050		1	08/12/10 16:51	CTH0087	CH01208
Benzene	J 0.0004 (0.0010)	0.0001	0.005	1	08/12/10 16:51	CTH0087	CH01208
Bromobenzene	ND (0.0020)	0.0002		1	08/12/10 16:51	CTH0087	CH01208

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW 236D
 Date Sampled: 08/09/10 16:55
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-05
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Bromochloromethane	ND (0.0010)	0.0003		1	08/12/10 16:51	CTH0087	CH01208
Bromodichloromethane	ND (0.0006)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
Bromoform	ND (0.0010)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
Bromomethane	ND (0.0020)	0.0004		1	08/12/10 16:51	CTH0087	CH01208
Carbon Disulfide	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
Carbon Tetrachloride	ND (0.0010)	0.0001	0.005	1	08/12/10 16:51	CTH0087	CH01208
Chlorobenzene	ND (0.0010)	0.0001	0.1	1	08/12/10 16:51	CTH0087	CH01208
Chloroethane	ND (0.0020)	0.0004		1	08/12/10 16:51	CTH0087	CH01208
Chloroform	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
Chloromethane	ND (0.0020)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
cis-1,2-Dichloroethene	0.0629 (0.0010)	0.0002	0.07	1	08/12/10 16:51	CTH0087	CH01208
cis-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
Dibromochloromethane	ND (0.0010)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
Dibromomethane	ND (0.0010)	0.0003		1	08/12/10 16:51	CTH0087	CH01208
Dichlorodifluoromethane	ND (0.0020)	0.0003		1	08/12/10 16:51	CTH0087	CH01208
Diethyl Ether	ND (0.0010)	0.0003		1	08/12/10 16:51	CTH0087	CH01208
Di-isopropyl ether	ND (0.0010)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
Ethyl tertiary-butyl ether	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
Ethylbenzene	ND (0.0010)	0.0001	0.7	1	08/12/10 16:51	CTH0087	CH01208
Hexachlorobutadiene	ND (0.0006)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
Hexachloroethane	ND (0.0010)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
Isopropylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
Methyl tert-Butyl Ether	ND (0.0010)	0.0003	0.04	1	08/12/10 16:51	CTH0087	CH01208
Methylene Chloride	ND (0.0040)	0.0002	0.005	1	08/12/10 16:51	CTH0087	CH01208
Naphthalene	ND (0.0010)	0.0002	0.02	1	08/12/10 16:51	CTH0087	CH01208
n-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
n-Propylbenzene	ND (0.0010)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
sec-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
Styrene	ND (0.0010)	0.0001	0.1	1	08/12/10 16:51	CTH0087	CH01208
tert-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 16:51	CTH0087	CH01208
Tertiary-amyl methyl ether	ND (0.0010)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
Tetrachloroethene	ND (0.0010)	0.0002	0.005	1	08/12/10 16:51	CTH0087	CH01208



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham
Client Sample ID: GWMW 236D
Date Sampled: 08/09/10 16:55
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
ESS Laboratory Sample ID: 1008142-05
Sample Matrix: Ground Water
Units: mg/L
Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Tetrahydrofuran	ND (0.0050)	0.0016		1	08/12/10 16:51	CTH0087	CH01208
Toluene	ND (0.0010)	0.0001	1	1	08/12/10 16:51	CTH0087	CH01208
trans-1,2-Dichloroethene	ND (0.0010)	0.0003	0.1	1	08/12/10 16:51	CTH0087	CH01208
trans-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 16:51	CTH0087	CH01208
Trichloroethene	0.0522 (0.0010)	0.0002	0.005	1	08/12/10 16:51	CTH0087	CH01208
Trichlorofluoromethane	ND (0.0010)	0.0004		1	08/12/10 16:51	CTH0087	CH01208
Vinyl Acetate	ND (0.0050)	0.0005		1	08/12/10 16:51	CTH0087	CH01208
Vinyl Chloride	0.0020 (0.0010)	0.0002	0.002	1	08/12/10 16:51	CTH0087	CH01208
Xylene O	ND (0.0010)	0.0001	10	1	08/12/10 16:51	CTH0087	CH01208
Xylene P,M	ND (0.0020)	0.0002	10	1	08/12/10 16:51	CTH0087	CH01208
Xylenes (Total)	ND (0.0030)		10	1	08/12/10 16:51		[CALC]
Trihalomethanes (Total)	ND (0.0036)		0.1		08/12/10 16:51		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	87 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	94 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	92 %		70-130
<i>Surrogate: Toluene-d8</i>	106 %		70-130

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW242
 Date Sampled: 08/10/10 09:00
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-06
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
1,1,1,2-Tetrachloroethane	ND (0.0010)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
1,1,1-Trichloroethane	ND (0.0010)	0.0002	0.2	1	08/13/10 19:48	CTH0092	CH01314
1,1,2,2-Tetrachloroethane	ND (0.0005)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
1,1,2-Trichloroethane	ND (0.0010)	0.0002	0.005	1	08/13/10 19:48	CTH0092	CH01314
1,1-Dichloroethane	ND (0.0010)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
1,1-Dichloroethene	ND (0.0010)	0.0003	0.007	1	08/13/10 19:48	CTH0092	CH01314
1,1-Dichloropropene	ND (0.0020)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
1,2,3-Trichlorobenzene	ND (0.0010)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
1,2,3-Trichloropropane	ND (0.0010)	0.0003		1	08/13/10 19:48	CTH0092	CH01314
1,2,4-Trichlorobenzene	ND (0.0010)	0.0002	0.07	1	08/13/10 19:48	CTH0092	CH01314
1,2,4-Trimethylbenzene	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
1,2-Dibromo-3-Chloropropane	ND (0.0050)	0.0010	0.0002	1	08/13/10 19:48	CTH0092	CH01314
1,2-Dibromoethane	ND (0.0010)	0.0002	0.00005	1	08/13/10 19:48	CTH0092	CH01314
1,2-Dichlorobenzene	ND (0.0010)	0.0001	0.6	1	08/13/10 19:48	CTH0092	CH01314
1,2-Dichloroethane	ND (0.0010)	0.0002	0.005	1	08/13/10 19:48	CTH0092	CH01314
1,2-Dichloropropane	ND (0.0010)	0.0002	0.005	1	08/13/10 19:48	CTH0092	CH01314
1,3,5-Trimethylbenzene	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
1,3-Dichlorobenzene	ND (0.0010)	0.0002	0.6	1	08/13/10 19:48	CTH0092	CH01314
1,3-Dichloropropane	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
1,4-Dichlorobenzene	ND (0.0010)	0.0001	0.075	1	08/13/10 19:48	CTH0092	CH01314
1,4-Dioxane - Screen	ND (0.500)	0.190		1	08/13/10 19:48	CTH0092	CH01314
1-Chlorohexane	ND (0.0010)	0.0004		1	08/13/10 19:48	CTH0092	CH01314
2,2-Dichloropropane	ND (0.0010)	0.0003		1	08/13/10 19:48	CTH0092	CH01314
2-Butanone	ND (0.0250)	0.0058		1	08/13/10 19:48	CTH0092	CH01314
2-Chlorotoluene	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
2-Hexanone	ND (0.0100)	0.0015		1	08/13/10 19:48	CTH0092	CH01314
4-Chlorotoluene	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
4-Isopropyltoluene	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
4-Methyl-2-Pentanone	ND (0.0250)	0.0016		1	08/13/10 19:48	CTH0092	CH01314
Acetone	ND (0.0250)	0.0050		1	08/13/10 19:48	CTH0092	CH01314
Benzene	ND (0.0010)	0.0001	0.005	1	08/13/10 19:48	CTH0092	CH01314
Bromobenzene	ND (0.0020)	0.0002		1	08/13/10 19:48	CTH0092	CH01314

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW242
 Date Sampled: 08/10/10 09:00
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-06
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Bromochloromethane	ND (0.0010)	0.0003		1	08/13/10 19:48	CTH0092	CH01314
Bromodichloromethane	ND (0.0006)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
Bromoform	ND (0.0010)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
Bromomethane	ND (0.0020)	0.0004		1	08/13/10 19:48	CTH0092	CH01314
Carbon Disulfide	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
Carbon Tetrachloride	ND (0.0010)	0.0001	0.005	1	08/13/10 19:48	CTH0092	CH01314
Chlorobenzene	ND (0.0010)	0.0001	0.1	1	08/13/10 19:48	CTH0092	CH01314
Chloroethane	ND (0.0020)	0.0004		1	08/13/10 19:48	CTH0092	CH01314
Chloroform	J 0.0005 (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
Chloromethane	ND (0.0020)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
cis-1,2-Dichloroethene	ND (0.0010)	0.0002	0.07	1	08/13/10 19:48	CTH0092	CH01314
cis-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
Dibromochloromethane	ND (0.0010)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
Dibromomethane	ND (0.0010)	0.0003		1	08/13/10 19:48	CTH0092	CH01314
Dichlorodifluoromethane	ND (0.0020)	0.0003		1	08/13/10 19:48	CTH0092	CH01314
Diethyl Ether	ND (0.0010)	0.0003		1	08/13/10 19:48	CTH0092	CH01314
Di-isopropyl ether	ND (0.0010)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
Ethyl tertiary-butyl ether	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
Ethylbenzene	ND (0.0010)	0.0001	0.7	1	08/13/10 19:48	CTH0092	CH01314
Hexachlorobutadiene	ND (0.0006)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
Hexachloroethane	ND (0.0010)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
Isopropylbenzene	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
Methyl tert-Butyl Ether	ND (0.0010)	0.0003	0.04	1	08/13/10 19:48	CTH0092	CH01314
Methylene Chloride	J 0.0002 (0.0040)	0.0002	0.005	1	08/13/10 19:48	CTH0092	CH01314
Naphthalene	ND (0.0010)	0.0002	0.02	1	08/13/10 19:48	CTH0092	CH01314
n-Butylbenzene	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
n-Propylbenzene	ND (0.0010)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
sec-Butylbenzene	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
Styrene	ND (0.0010)	0.0001	0.1	1	08/13/10 19:48	CTH0092	CH01314
tert-Butylbenzene	ND (0.0010)	0.0001		1	08/13/10 19:48	CTH0092	CH01314
Tertiary-amyl methyl ether	ND (0.0010)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
Tetrachloroethene	ND (0.0010)	0.0002	0.005	1	08/13/10 19:48	CTH0092	CH01314



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW242
 Date Sampled: 08/10/10 09:00
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-06
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Tetrahydrofuran	ND (0.0050)	0.0016		1	08/13/10 19:48	CTH0092	CH01314
Toluene	ND (0.0010)	0.0001	1	1	08/13/10 19:48	CTH0092	CH01314
trans-1,2-Dichloroethene	ND (0.0010)	0.0003	0.1	1	08/13/10 19:48	CTH0092	CH01314
trans-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/13/10 19:48	CTH0092	CH01314
Trichloroethene	J 0.0006 (0.0010)	0.0002	0.005	1	08/13/10 19:48	CTH0092	CH01314
Trichlorofluoromethane	ND (0.0010)	0.0004		1	08/13/10 19:48	CTH0092	CH01314
Vinyl Acetate	ND (0.0050)	0.0005		1	08/13/10 19:48	CTH0092	CH01314
Vinyl Chloride	ND (0.0010)	0.0002	0.002	1	08/13/10 19:48	CTH0092	CH01314
Xylene O	ND (0.0010)	0.0001	10	1	08/13/10 19:48	CTH0092	CH01314
Xylene P,M	ND (0.0020)	0.0002	10	1	08/13/10 19:48	CTH0092	CH01314
Xylenes (Total)	ND (0.0030)		10	1	08/13/10 19:48		[CALC]
Trihalomethanes (Total)	ND (0.0036)		0.1		08/13/10 19:48		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichloroethane-d4	90 %		70-130
Surrogate: 4-Bromofluorobenzene	91 %		70-130
Surrogate: Dibromofluoromethane	94 %		70-130
Surrogate: Toluene-d8	104 %		70-130

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW241
 Date Sampled: 08/10/10 11:50
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-07
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
1,1,1,2-Tetrachloroethane	ND (0.0010)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
1,1,1-Trichloroethane	ND (0.0010)	0.0002	0.2	1	08/12/10 17:55	CTH0087	CH01208
1,1,2,2-Tetrachloroethane	ND (0.0005)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
1,1,2-Trichloroethane	J 0.0006 (0.0010)	0.0002	0.005	1	08/12/10 17:55	CTH0087	CH01208
1,1-Dichloroethane	ND (0.0010)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
1,1-Dichloroethene	0.0023 (0.0010)	0.0003	0.007	1	08/12/10 17:55	CTH0087	CH01208
1,1-Dichloropropene	ND (0.0020)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
1,2,3-Trichlorobenzene	ND (0.0010)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
1,2,3-Trichloropropane	ND (0.0010)	0.0003		1	08/12/10 17:55	CTH0087	CH01208
1,2,4-Trichlorobenzene	ND (0.0010)	0.0002	0.07	1	08/12/10 17:55	CTH0087	CH01208
1,2,4-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
1,2-Dibromo-3-Chloropropane	ND (0.0050)	0.0010	0.0002	1	08/12/10 17:55	CTH0087	CH01208
1,2-Dibromoethane	ND (0.0010)	0.0002	0.00005	1	08/12/10 17:55	CTH0087	CH01208
1,2-Dichlorobenzene	ND (0.0010)	0.0001	0.6	1	08/12/10 17:55	CTH0087	CH01208
1,2-Dichloroethane	J 0.0003 (0.0010)	0.0002	0.005	1	08/12/10 17:55	CTH0087	CH01208
1,2-Dichloropropane	ND (0.0010)	0.0002	0.005	1	08/12/10 17:55	CTH0087	CH01208
1,3,5-Trimethylbenzene	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
1,3-Dichlorobenzene	ND (0.0010)	0.0002	0.6	1	08/12/10 17:55	CTH0087	CH01208
1,3-Dichloropropane	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
1,4-Dichlorobenzene	ND (0.0010)	0.0001	0.075	1	08/12/10 17:55	CTH0087	CH01208
1,4-Dioxane - Screen	ND (0.500)	0.190		1	08/12/10 17:55	CTH0087	CH01208
1-Chlorohexane	ND (0.0010)	0.0004		1	08/12/10 17:55	CTH0087	CH01208
2,2-Dichloropropane	ND (0.0010)	0.0003		1	08/12/10 17:55	CTH0087	CH01208
2-Butanone	ND (0.0250)	0.0058		1	08/12/10 17:55	CTH0087	CH01208
2-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
2-Hexanone	ND (0.0100)	0.0015		1	08/12/10 17:55	CTH0087	CH01208
4-Chlorotoluene	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
4-Isopropyltoluene	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
4-Methyl-2-Pentanone	ND (0.0250)	0.0016		1	08/12/10 17:55	CTH0087	CH01208
Acetone	ND (0.0250)	0.0050		1	08/12/10 17:55	CTH0087	CH01208
Benzene	J 0.0002 (0.0010)	0.0001	0.005	1	08/12/10 17:55	CTH0087	CH01208
Bromobenzene	ND (0.0020)	0.0002		1	08/12/10 17:55	CTH0087	CH01208

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW241
 Date Sampled: 08/10/10 11:50
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-07
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Bromochloromethane	ND (0.0010)	0.0003		1	08/12/10 17:55	CTH0087	CH01208
Bromodichloromethane	ND (0.0006)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
Bromoform	ND (0.0010)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
Bromomethane	ND (0.0020)	0.0004		1	08/12/10 17:55	CTH0087	CH01208
Carbon Disulfide	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
Carbon Tetrachloride	ND (0.0010)	0.0001	0.005	1	08/12/10 17:55	CTH0087	CH01208
Chlorobenzene	ND (0.0010)	0.0001	0.1	1	08/12/10 17:55	CTH0087	CH01208
Chloroethane	ND (0.0020)	0.0004		1	08/12/10 17:55	CTH0087	CH01208
Chloroform	J 0.0008 (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
Chloromethane	ND (0.0020)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
cis-1,2-Dichloroethene	0.0278 (0.0010)	0.0002	0.07	1	08/12/10 17:55	CTH0087	CH01208
cis-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
Dibromochloromethane	ND (0.0010)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
Dibromomethane	ND (0.0010)	0.0003		1	08/12/10 17:55	CTH0087	CH01208
Dichlorodifluoromethane	ND (0.0020)	0.0003		1	08/12/10 17:55	CTH0087	CH01208
Diethyl Ether	ND (0.0010)	0.0003		1	08/12/10 17:55	CTH0087	CH01208
Di-isopropyl ether	ND (0.0010)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
Ethyl tertiary-butyl ether	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
Ethylbenzene	ND (0.0010)	0.0001	0.7	1	08/12/10 17:55	CTH0087	CH01208
Hexachlorobutadiene	ND (0.0006)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
Hexachloroethane	ND (0.0010)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
Isopropylbenzene	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
Methyl tert-Butyl Ether	ND (0.0010)	0.0003	0.04	1	08/12/10 17:55	CTH0087	CH01208
Methylene Chloride	B 0.0055 (0.0040)	0.0002	0.005	1	08/12/10 17:55	CTH0087	CH01208
Naphthalene	ND (0.0010)	0.0002	0.02	1	08/12/10 17:55	CTH0087	CH01208
n-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
n-Propylbenzene	ND (0.0010)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
sec-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
Styrene	ND (0.0010)	0.0001	0.1	1	08/12/10 17:55	CTH0087	CH01208
tert-Butylbenzene	ND (0.0010)	0.0001		1	08/12/10 17:55	CTH0087	CH01208
Tertiary-amyl methyl ether	ND (0.0010)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
Tetrachloroethene	ND (0.0010)	0.0002	0.005	1	08/12/10 17:55	CTH0087	CH01208



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham
Client Sample ID: GWMW241
Date Sampled: 08/10/10 11:50
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
ESS Laboratory Sample ID: 1008142-07
Sample Matrix: Ground Water
Units: mg/L
Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Tetrahydrofuran	ND (0.0050)	0.0016		1	08/12/10 17:55	CTH0087	CH01208
Toluene	ND (0.0010)	0.0001	1	1	08/12/10 17:55	CTH0087	CH01208
trans-1,2-Dichloroethene	ND (0.0010)	0.0003	0.1	1	08/12/10 17:55	CTH0087	CH01208
trans-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/12/10 17:55	CTH0087	CH01208
Trichloroethene	0.245 (0.0100)	0.0020	0.005	10	08/16/10 13:42	CTH0087	CH01208
Trichlorofluoromethane	ND (0.0010)	0.0004		1	08/12/10 17:55	CTH0087	CH01208
Vinyl Acetate	ND (0.0050)	0.0005		1	08/12/10 17:55	CTH0087	CH01208
Vinyl Chloride	J 0.0005 (0.0010)	0.0002	0.002	1	08/12/10 17:55	CTH0087	CH01208
Xylene O	ND (0.0010)	0.0001	10	1	08/12/10 17:55	CTH0087	CH01208
Xylene P,M	ND (0.0020)	0.0002	10	1	08/12/10 17:55	CTH0087	CH01208
Xylenes (Total)	ND (0.0030)		10	1	08/12/10 17:55		[CALC]
Trihalomethanes (Total)	ND (0.0036)		0.1		08/12/10 17:55		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	88 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	93 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	93 %		70-130
<i>Surrogate: Toluene-d8</i>	106 %		70-130

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW238D
 Date Sampled: 08/10/10 14:30
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-08
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
1,1,1,2-Tetrachloroethane	ND (0.0010)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
1,1,1-Trichloroethane	ND (0.0010)	0.0002	0.2	1	08/16/10 12:38	CTH0104	CH01616
1,1,2,2-Tetrachloroethane	ND (0.0005)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
1,1,2-Trichloroethane	ND (0.0010)	0.0002	0.005	1	08/16/10 12:38	CTH0104	CH01616
1,1-Dichloroethane	ND (0.0010)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
1,1-Dichloroethene	ND (0.0010)	0.0003	0.007	1	08/16/10 12:38	CTH0104	CH01616
1,1-Dichloropropene	ND (0.0020)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
1,2,3-Trichlorobenzene	ND (0.0010)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
1,2,3-Trichloropropane	ND (0.0010)	0.0003		1	08/16/10 12:38	CTH0104	CH01616
1,2,4-Trichlorobenzene	ND (0.0010)	0.0002	0.07	1	08/16/10 12:38	CTH0104	CH01616
1,2,4-Trimethylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
1,2-Dibromo-3-Chloropropane	ND (0.0050)	0.0010	0.0002	1	08/16/10 12:38	CTH0104	CH01616
1,2-Dibromoethane	ND (0.0010)	0.0002	0.00005	1	08/16/10 12:38	CTH0104	CH01616
1,2-Dichlorobenzene	ND (0.0010)	0.0001	0.6	1	08/16/10 12:38	CTH0104	CH01616
1,2-Dichloroethane	ND (0.0010)	0.0002	0.005	1	08/16/10 12:38	CTH0104	CH01616
1,2-Dichloropropane	ND (0.0010)	0.0002	0.005	1	08/16/10 12:38	CTH0104	CH01616
1,3,5-Trimethylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
1,3-Dichlorobenzene	ND (0.0010)	0.0002	0.6	1	08/16/10 12:38	CTH0104	CH01616
1,3-Dichloropropane	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
1,4-Dichlorobenzene	ND (0.0010)	0.0001	0.075	1	08/16/10 12:38	CTH0104	CH01616
1,4-Dioxane - Screen	ND (0.500)	0.190		1	08/16/10 12:38	CTH0104	CH01616
1-Chlorohexane	ND (0.0010)	0.0004		1	08/16/10 12:38	CTH0104	CH01616
2,2-Dichloropropane	ND (0.0010)	0.0003		1	08/16/10 12:38	CTH0104	CH01616
2-Butanone	ND (0.0250)	0.0058		1	08/16/10 12:38	CTH0104	CH01616
2-Chlorotoluene	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
2-Hexanone	ND (0.0100)	0.0015		1	08/16/10 12:38	CTH0104	CH01616
4-Chlorotoluene	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
4-Isopropyltoluene	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
4-Methyl-2-Pentanone	ND (0.0250)	0.0016		1	08/16/10 12:38	CTH0104	CH01616
Acetone	ND (0.0250)	0.0050		1	08/16/10 12:38	CTH0104	CH01616
Benzene	ND (0.0010)	0.0001	0.005	1	08/16/10 12:38	CTH0104	CH01616
Bromobenzene	ND (0.0020)	0.0002		1	08/16/10 12:38	CTH0104	CH01616

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW238D
 Date Sampled: 08/10/10 14:30
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-08
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Bromochloromethane	ND (0.0010)	0.0003		1	08/16/10 12:38	CTH0104	CH01616
Bromodichloromethane	ND (0.0006)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
Bromoform	ND (0.0010)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
Bromomethane	ND (0.0020)	0.0004		1	08/16/10 12:38	CTH0104	CH01616
Carbon Disulfide	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
Carbon Tetrachloride	ND (0.0010)	0.0001	0.005	1	08/16/10 12:38	CTH0104	CH01616
Chlorobenzene	ND (0.0010)	0.0001	0.1	1	08/16/10 12:38	CTH0104	CH01616
Chloroethane	ND (0.0020)	0.0004		1	08/16/10 12:38	CTH0104	CH01616
Chloroform	J 0.0004 (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
Chloromethane	ND (0.0020)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
cis-1,2-Dichloroethene	ND (0.0010)	0.0002	0.07	1	08/16/10 12:38	CTH0104	CH01616
cis-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
Dibromochloromethane	ND (0.0010)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
Dibromomethane	ND (0.0010)	0.0003		1	08/16/10 12:38	CTH0104	CH01616
Dichlorodifluoromethane	ND (0.0020)	0.0003		1	08/16/10 12:38	CTH0104	CH01616
Diethyl Ether	ND (0.0010)	0.0003		1	08/16/10 12:38	CTH0104	CH01616
Di-isopropyl ether	ND (0.0010)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
Ethyl tertiary-butyl ether	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
Ethylbenzene	ND (0.0010)	0.0001	0.7	1	08/16/10 12:38	CTH0104	CH01616
Hexachlorobutadiene	ND (0.0006)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
Hexachloroethane	ND (0.0010)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
Isopropylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
Methyl tert-Butyl Ether	ND (0.0010)	0.0003	0.04	1	08/16/10 12:38	CTH0104	CH01616
Methylene Chloride	J 0.0005 (0.0040)	0.0002	0.005	1	08/16/10 12:38	CTH0104	CH01616
Naphthalene	ND (0.0010)	0.0002	0.02	1	08/16/10 12:38	CTH0104	CH01616
n-Butylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
n-Propylbenzene	ND (0.0010)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
sec-Butylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
Styrene	ND (0.0010)	0.0001	0.1	1	08/16/10 12:38	CTH0104	CH01616
tert-Butylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:38	CTH0104	CH01616
Tertiary-amyl methyl ether	ND (0.0010)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
Tetrachloroethene	ND (0.0010)	0.0002	0.005	1	08/16/10 12:38	CTH0104	CH01616



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW238D
 Date Sampled: 08/10/10 14:30
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-08
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Tetrahydrofuran	ND (0.0050)	0.0016		1	08/16/10 12:38	CTH0104	CH01616
Toluene	ND (0.0010)	0.0001	1	1	08/16/10 12:38	CTH0104	CH01616
trans-1,2-Dichloroethene	ND (0.0010)	0.0003	0.1	1	08/16/10 12:38	CTH0104	CH01616
trans-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/16/10 12:38	CTH0104	CH01616
Trichloroethene	0.0012 (0.0010)	0.0002	0.005	1	08/16/10 12:38	CTH0104	CH01616
Trichlorofluoromethane	ND (0.0010)	0.0004		1	08/16/10 12:38	CTH0104	CH01616
Vinyl Acetate	ND (0.0050)	0.0005		1	08/16/10 12:38	CTH0104	CH01616
Vinyl Chloride	ND (0.0010)	0.0002	0.002	1	08/16/10 12:38	CTH0104	CH01616
Xylene O	ND (0.0010)	0.0001	10	1	08/16/10 12:38	CTH0104	CH01616
Xylene P,M	ND (0.0020)	0.0002	10	1	08/16/10 12:38	CTH0104	CH01616
Xylenes (Total)	ND (0.0030)		10	1	08/16/10 12:38		[CALC]
Trihalomethanes (Total)	ND (0.0036)		0.1		08/16/10 12:38		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichloroethane-d4	85 %		70-130
Surrogate: 4-Bromofluorobenzene	94 %		70-130
Surrogate: Dibromofluoromethane	92 %		70-130
Surrogate: Toluene-d8	106 %		70-130

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW238S
 Date Sampled: 08/10/10 14:50
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-09
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
1,1,1,2-Tetrachloroethane	ND (0.0010)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
1,1,1-Trichloroethane	ND (0.0010)	0.0002	0.2	1	08/16/10 13:10	CTH0104	CH01616
1,1,2,2-Tetrachloroethane	ND (0.0005)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
1,1,2-Trichloroethane	J 0.0004 (0.0010)	0.0002	0.005	1	08/16/10 13:10	CTH0104	CH01616
1,1-Dichloroethane	ND (0.0010)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
1,1-Dichloroethene	0.0010 (0.0010)	0.0003	0.007	1	08/16/10 13:10	CTH0104	CH01616
1,1-Dichloropropene	ND (0.0020)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
1,2,3-Trichlorobenzene	ND (0.0010)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
1,2,3-Trichloropropane	ND (0.0010)	0.0003		1	08/16/10 13:10	CTH0104	CH01616
1,2,4-Trichlorobenzene	ND (0.0010)	0.0002	0.07	1	08/16/10 13:10	CTH0104	CH01616
1,2,4-Trimethylbenzene	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
1,2-Dibromo-3-Chloropropane	ND (0.0050)	0.0010	0.0002	1	08/16/10 13:10	CTH0104	CH01616
1,2-Dibromoethane	ND (0.0010)	0.0002	0.00005	1	08/16/10 13:10	CTH0104	CH01616
1,2-Dichlorobenzene	ND (0.0010)	0.0001	0.6	1	08/16/10 13:10	CTH0104	CH01616
1,2-Dichloroethane	J 0.0005 (0.0010)	0.0002	0.005	1	08/16/10 13:10	CTH0104	CH01616
1,2-Dichloropropane	ND (0.0010)	0.0002	0.005	1	08/16/10 13:10	CTH0104	CH01616
1,3,5-Trimethylbenzene	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
1,3-Dichlorobenzene	ND (0.0010)	0.0002	0.6	1	08/16/10 13:10	CTH0104	CH01616
1,3-Dichloropropane	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
1,4-Dichlorobenzene	ND (0.0010)	0.0001	0.075	1	08/16/10 13:10	CTH0104	CH01616
1,4-Dioxane - Screen	ND (0.500)	0.190		1	08/16/10 13:10	CTH0104	CH01616
1-Chlorohexane	ND (0.0010)	0.0004		1	08/16/10 13:10	CTH0104	CH01616
2,2-Dichloropropane	ND (0.0010)	0.0003		1	08/16/10 13:10	CTH0104	CH01616
2-Butanone	ND (0.0250)	0.0058		1	08/16/10 13:10	CTH0104	CH01616
2-Chlorotoluene	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
2-Hexanone	ND (0.0100)	0.0015		1	08/16/10 13:10	CTH0104	CH01616
4-Chlorotoluene	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
4-Isopropyltoluene	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
4-Methyl-2-Pentanone	ND (0.0250)	0.0016		1	08/16/10 13:10	CTH0104	CH01616
Acetone	ND (0.0250)	0.0050		1	08/16/10 13:10	CTH0104	CH01616
Benzene	ND (0.0010)	0.0001	0.005	1	08/16/10 13:10	CTH0104	CH01616
Bromobenzene	ND (0.0020)	0.0002		1	08/16/10 13:10	CTH0104	CH01616

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWMW238S
 Date Sampled: 08/10/10 14:50
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-09
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Bromochloromethane	ND (0.0010)	0.0003		1	08/16/10 13:10	CTH0104	CH01616
Bromodichloromethane	ND (0.0006)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
Bromoform	ND (0.0010)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
Bromomethane	ND (0.0020)	0.0004		1	08/16/10 13:10	CTH0104	CH01616
Carbon Disulfide	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
Carbon Tetrachloride	ND (0.0010)	0.0001	0.005	1	08/16/10 13:10	CTH0104	CH01616
Chlorobenzene	ND (0.0010)	0.0001	0.1	1	08/16/10 13:10	CTH0104	CH01616
Chloroethane	ND (0.0020)	0.0004		1	08/16/10 13:10	CTH0104	CH01616
Chloroform	0.0019 (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
Chloromethane	ND (0.0020)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
cis-1,2-Dichloroethene	0.0161 (0.0010)	0.0002	0.07	1	08/16/10 13:10	CTH0104	CH01616
cis-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
Dibromochloromethane	ND (0.0010)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
Dibromomethane	ND (0.0010)	0.0003		1	08/16/10 13:10	CTH0104	CH01616
Dichlorodifluoromethane	ND (0.0020)	0.0003		1	08/16/10 13:10	CTH0104	CH01616
Diethyl Ether	ND (0.0010)	0.0003		1	08/16/10 13:10	CTH0104	CH01616
Di-isopropyl ether	ND (0.0010)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
Ethyl tertiary-butyl ether	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
Ethylbenzene	ND (0.0010)	0.0001	0.7	1	08/16/10 13:10	CTH0104	CH01616
Hexachlorobutadiene	ND (0.0006)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
Hexachloroethane	ND (0.0010)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
Isopropylbenzene	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
Methyl tert-Butyl Ether	ND (0.0010)	0.0003	0.04	1	08/16/10 13:10	CTH0104	CH01616
Methylene Chloride	J 0.0006 (0.0040)	0.0002	0.005	1	08/16/10 13:10	CTH0104	CH01616
Naphthalene	ND (0.0010)	0.0002	0.02	1	08/16/10 13:10	CTH0104	CH01616
n-Butylbenzene	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
n-Propylbenzene	ND (0.0010)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
sec-Butylbenzene	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
Styrene	ND (0.0010)	0.0001	0.1	1	08/16/10 13:10	CTH0104	CH01616
tert-Butylbenzene	ND (0.0010)	0.0001		1	08/16/10 13:10	CTH0104	CH01616
Tertiary-amyl methyl ether	ND (0.0010)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
Tetrachloroethene	0.0107 (0.0010)	0.0002	0.005	1	08/16/10 13:10	CTH0104	CH01616



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham
Client Sample ID: GWMW238S
Date Sampled: 08/10/10 14:50
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
ESS Laboratory Sample ID: 1008142-09
Sample Matrix: Ground Water
Units: mg/L
Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Tetrahydrofuran	ND (0.0050)	0.0016		1	08/16/10 13:10	CTH0104	CH01616
Toluene	ND (0.0010)	0.0001	1	1	08/16/10 13:10	CTH0104	CH01616
trans-1,2-Dichloroethene	ND (0.0010)	0.0003	0.1	1	08/16/10 13:10	CTH0104	CH01616
trans-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/16/10 13:10	CTH0104	CH01616
Trichloroethene	0.262 (0.0100)	0.0020	0.005	10	08/16/10 15:18	CTH0104	CH01616
Trichlorofluoromethane	ND (0.0010)	0.0004		1	08/16/10 13:10	CTH0104	CH01616
Vinyl Acetate	ND (0.0050)	0.0005		1	08/16/10 13:10	CTH0104	CH01616
Vinyl Chloride	J 0.0003 (0.0010)	0.0002	0.002	1	08/16/10 13:10	CTH0104	CH01616
Xylene O	ND (0.0010)	0.0001	10	1	08/16/10 13:10	CTH0104	CH01616
Xylene P,M	ND (0.0020)	0.0002	10	1	08/16/10 13:10	CTH0104	CH01616
Xylenes (Total)	ND (0.0030)		10	1	08/16/10 13:10		[CALC]
Trihalomethanes (Total)	ND (0.0036)		0.1		08/16/10 13:10		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichloroethane-d4	85 %		70-130
Surrogate: 4-Bromofluorobenzene	92 %		70-130
Surrogate: Dibromofluoromethane	91 %		70-130
Surrogate: Toluene-d8	106 %		70-130

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWTB01
 Date Sampled: 08/10/10 00:00
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-10
 Sample Matrix: Aqueous
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
1,1,1,2-Tetrachloroethane	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
1,1,1-Trichloroethane	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
1,1,2,2-Tetrachloroethane	ND (0.0005)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
1,1,2-Trichloroethane	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
1,1-Dichloroethane	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
1,1-Dichloroethene	ND (0.0010)	0.0003		1	08/16/10 12:06	CTH0104	CH01616
1,1-Dichloropropene	ND (0.0020)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
1,2,3-Trichlorobenzene	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
1,2,3-Trichloropropane	ND (0.0010)	0.0003		1	08/16/10 12:06	CTH0104	CH01616
1,2,4-Trichlorobenzene	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
1,2,4-Trimethylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
1,2-Dibromo-3-Chloropropane	ND (0.0050)	0.0010		1	08/16/10 12:06	CTH0104	CH01616
1,2-Dibromoethane	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
1,2-Dichlorobenzene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
1,2-Dichloroethane	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
1,2-Dichloropropane	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
1,3,5-Trimethylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
1,3-Dichlorobenzene	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
1,3-Dichloropropane	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
1,4-Dichlorobenzene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
1,4-Dioxane - Screen	ND (0.500)	0.190		1	08/16/10 12:06	CTH0104	CH01616
1-Chlorohexane	ND (0.0010)	0.0004		1	08/16/10 12:06	CTH0104	CH01616
2,2-Dichloropropane	ND (0.0010)	0.0003		1	08/16/10 12:06	CTH0104	CH01616
2-Butanone	ND (0.0250)	0.0058		1	08/16/10 12:06	CTH0104	CH01616
2-Chlorotoluene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
2-Hexanone	ND (0.0100)	0.0015		1	08/16/10 12:06	CTH0104	CH01616
4-Chlorotoluene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
4-Isopropyltoluene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
4-Methyl-2-Pentanone	ND (0.0250)	0.0016		1	08/16/10 12:06	CTH0104	CH01616
Acetone	ND (0.0250)	0.0050		1	08/16/10 12:06	CTH0104	CH01616
Benzene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Bromobenzene	ND (0.0020)	0.0002		1	08/16/10 12:06	CTH0104	CH01616



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWTB01
 Date Sampled: 08/10/10 00:00
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-10
 Sample Matrix: Aqueous
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Bromochloromethane	ND (0.0010)	0.0003		1	08/16/10 12:06	CTH0104	CH01616
Bromodichloromethane	ND (0.0006)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Bromoform	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
Bromomethane	ND (0.0020)	0.0004		1	08/16/10 12:06	CTH0104	CH01616
Carbon Disulfide	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Carbon Tetrachloride	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Chlorobenzene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Chloroethane	ND (0.0020)	0.0004		1	08/16/10 12:06	CTH0104	CH01616
Chloroform	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Chloromethane	ND (0.0020)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
cis-1,2-Dichloroethene	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
cis-1,3-Dichloropropene	ND (0.0004)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
Dibromochloromethane	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
Dibromomethane	ND (0.0010)	0.0003		1	08/16/10 12:06	CTH0104	CH01616
Dichlorodifluoromethane	ND (0.0020)	0.0003		1	08/16/10 12:06	CTH0104	CH01616
Diethyl Ether	ND (0.0010)	0.0003		1	08/16/10 12:06	CTH0104	CH01616
Di-isopropyl ether	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
Ethyl tertiary-butyl ether	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Ethylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Hexachlorobutadiene	ND (0.0006)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
Hexachloroethane	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
Isopropylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Methyl tert-Butyl Ether	ND (0.0010)	0.0003		1	08/16/10 12:06	CTH0104	CH01616
Methylene Chloride	ND (0.0040)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
Naphthalene	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
n-Butylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
n-Propylbenzene	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
sec-Butylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Styrene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
tert-Butylbenzene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Tertiary-amyl methyl ether	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
Tetrachloroethene	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham
 Client Sample ID: GWTB01
 Date Sampled: 08/10/10 00:00
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1008142
 ESS Laboratory Sample ID: 1008142-10
 Sample Matrix: Aqueous
 Units: mg/L
 Analyst: MD

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>RI - GA</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
			<u>Limit</u>	<u>DF</u>			
Tetrahydrofuran	ND (0.0050)	0.0016		1	08/16/10 12:06	CTH0104	CH01616
Toluene	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
trans-1,2-Dichloroethene	ND (0.0010)	0.0003		1	08/16/10 12:06	CTH0104	CH01616
trans-1,3-Dichloropropene	ND (0.0005)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
Trichloroethene	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
Trichlorofluoromethane	ND (0.0010)	0.0004		1	08/16/10 12:06	CTH0104	CH01616
Vinyl Acetate	ND (0.0050)	0.0005		1	08/16/10 12:06	CTH0104	CH01616
Vinyl Chloride	ND (0.0010)	0.0002		1	08/16/10 12:06	CTH0104	CH01616
Xylene O	ND (0.0010)	0.0001		1	08/16/10 12:06	CTH0104	CH01616
Xylene P,M	ND (0.0020)	0.0002		1	08/16/10 12:06	CTH0104	CH01616

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	87 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	93 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	92 %		70-130
<i>Surrogate: Toluene-d8</i>	105 %		70-130

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01208 - 5030B

Blank

1,1,1,2-Tetrachloroethane	ND	0.0010	mg/L							
1,1,1-Trichloroethane	ND	0.0010	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0010	mg/L							
1,1-Dichloroethane	ND	0.0010	mg/L							
1,1-Dichloroethene	ND	0.0010	mg/L							
1,1-Dichloropropene	ND	0.0020	mg/L							
1,2,3-Trichlorobenzene	ND	0.0010	mg/L							
1,2,3-Trichloropropane	ND	0.0010	mg/L							
1,2,4-Trichlorobenzene	ND	0.0010	mg/L							
1,2,4-Trimethylbenzene	ND	0.0010	mg/L							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/L							
1,2-Dibromoethane	ND	0.0010	mg/L							
1,2-Dichlorobenzene	ND	0.0010	mg/L							
1,2-Dichloroethane	ND	0.0010	mg/L							
1,2-Dichloropropane	ND	0.0010	mg/L							
1,3,5-Trimethylbenzene	ND	0.0010	mg/L							
1,3-Dichlorobenzene	ND	0.0010	mg/L							
1,3-Dichloropropane	ND	0.0010	mg/L							
1,4-Dichlorobenzene	ND	0.0010	mg/L							
1,4-Dioxane - Screen	ND	0.500	mg/L							
1-Chlorohexane	ND	0.0010	mg/L							
2,2-Dichloropropane	ND	0.0010	mg/L							
2-Butanone	ND	0.0250	mg/L							
2-Chlorotoluene	ND	0.0010	mg/L							
2-Hexanone	ND	0.0100	mg/L							
4-Chlorotoluene	ND	0.0010	mg/L							
4-Isopropyltoluene	ND	0.0010	mg/L							
4-Methyl-2-Pentanone	ND	0.0250	mg/L							
Acetone	0.0064	0.0250	mg/L							J
Benzene	ND	0.0010	mg/L							
Bromobenzene	ND	0.0020	mg/L							
Bromochloromethane	ND	0.0010	mg/L							
Bromodichloromethane	ND	0.0006	mg/L							
Bromoform	ND	0.0010	mg/L							
Bromomethane	ND	0.0020	mg/L							
Carbon Disulfide	ND	0.0010	mg/L							
Carbon Tetrachloride	ND	0.0010	mg/L							
Chlorobenzene	ND	0.0010	mg/L							
Chloroethane	ND	0.0020	mg/L							
Chloroform	ND	0.0010	mg/L							
Chloromethane	ND	0.0020	mg/L							
cis-1,2-Dichloroethene	ND	0.0010	mg/L							
cis-1,3-Dichloropropene	ND	0.0004	mg/L							



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01208 - 5030B

Dibromochloromethane	ND	0.0010	mg/L							
Dibromomethane	ND	0.0010	mg/L							
Dichlorodifluoromethane	ND	0.0020	mg/L							
Diethyl Ether	ND	0.0010	mg/L							
Di-isopropyl ether	ND	0.0010	mg/L							
Ethyl tertiary-butyl ether	ND	0.0010	mg/L							
Ethylbenzene	ND	0.0010	mg/L							
Hexachlorobutadiene	ND	0.0006	mg/L							
Hexachloroethane	ND	0.0010	mg/L							
Isopropylbenzene	ND	0.0010	mg/L							
Methyl tert-Butyl Ether	ND	0.0010	mg/L							
Methylene Chloride	0.0006	0.0040	mg/L							J
Naphthalene	ND	0.0010	mg/L							
n-Butylbenzene	ND	0.0010	mg/L							
n-Propylbenzene	ND	0.0010	mg/L							
sec-Butylbenzene	ND	0.0010	mg/L							
Styrene	ND	0.0010	mg/L							
tert-Butylbenzene	ND	0.0010	mg/L							
Tertiary-amyl methyl ether	ND	0.0010	mg/L							
Tetrachloroethene	ND	0.0010	mg/L							
Tetrahydrofuran	ND	0.0050	mg/L							
Toluene	ND	0.0010	mg/L							
trans-1,2-Dichloroethene	ND	0.0010	mg/L							
trans-1,3-Dichloropropene	ND	0.0004	mg/L							
Trichloroethene	ND	0.0010	mg/L							
Trichlorofluoromethane	ND	0.0010	mg/L							
Vinyl Acetate	ND	0.0050	mg/L							
Vinyl Chloride	ND	0.0010	mg/L							
Xylene O	ND	0.0010	mg/L							
Xylene P,M	ND	0.0020	mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0206		mg/L	0.02500		83	70-130			
Surrogate: 4-Bromofluorobenzene	0.0232		mg/L	0.02500		93	70-130			
Surrogate: Dibromofluoromethane	0.0225		mg/L	0.02500		90	70-130			
Surrogate: Toluene-d8	0.0258		mg/L	0.02500		103	70-130			

LCS

1,1,1,2-Tetrachloroethane	9.92		ug/L	10.00		99	70-130			
1,1,1-Trichloroethane	9.27		ug/L	10.00		93	70-130			
1,1,2,2-Tetrachloroethane	9.67		ug/L	10.00		97	70-130			
1,1,2-Trichloroethane	9.48		ug/L	10.00		95	70-130			
1,1-Dichloroethane	9.52		ug/L	10.00		95	70-130			
1,1-Dichloroethene	10.3		ug/L	10.00		103	70-130			
1,1-Dichloropropene	9.34		ug/L	10.00		93	70-130			
1,2,3-Trichlorobenzene	12.0		ug/L	10.00		120	70-130			
1,2,3-Trichloropropane	9.50		ug/L	10.00		95	70-130			
1,2,4-Trichlorobenzene	11.3		ug/L	10.00		113	70-130			



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01208 - 5030B

1,2,4-Trimethylbenzene	10.3		ug/L	10.00		103	70-130			
1,2-Dibromo-3-Chloropropane	9.91		ug/L	10.00		99	70-130			
1,2-Dibromoethane	9.78		ug/L	10.00		98	70-130			
1,2-Dichlorobenzene	10.4		ug/L	10.00		104	70-130			
1,2-Dichloroethane	9.05		ug/L	10.00		90	70-130			
1,2-Dichloropropane	9.59		ug/L	10.00		96	70-130			
1,3,5-Trimethylbenzene	10.3		ug/L	10.00		103	70-130			
1,3-Dichlorobenzene	10.1		ug/L	10.00		101	70-130			
1,3-Dichloropropane	10.3		ug/L	10.00		103	70-130			
1,4-Dichlorobenzene	9.94		ug/L	10.00		99	70-130			
1,4-Dioxane - Screen	322		ug/L	200.0		161	0-332			
1-Chlorohexane	9.74		ug/L	10.00		97	70-130			
2,2-Dichloropropane	9.32		ug/L	10.00		93	70-130			
2-Butanone	52.8		ug/L	50.00		106	70-130			
2-Chlorotoluene	10.1		ug/L	10.00		101	70-130			
2-Hexanone	52.5		ug/L	50.00		105	70-130			
4-Chlorotoluene	9.43		ug/L	10.00		94	70-130			
4-Isopropyltoluene	10.8		ug/L	10.00		108	70-130			
4-Methyl-2-Pentanone	46.8		ug/L	50.00		94	70-130			
Acetone	59.6		ug/L	50.00		119	70-130			
Benzene	9.61		ug/L	10.00		96	70-130			
Bromobenzene	9.93		ug/L	10.00		99	70-130			
Bromochloromethane	9.33		ug/L	10.00		93	70-130			
Bromodichloromethane	9.56		ug/L	10.00		96	70-130			
Bromoform	11.6		ug/L	10.00		116	70-130			
Bromomethane	8.40		ug/L	10.00		84	70-130			
Carbon Disulfide	11.5		ug/L	10.00		115	70-130			
Carbon Tetrachloride	9.95		ug/L	10.00		100	70-130			
Chlorobenzene	9.88		ug/L	10.00		99	70-130			
Chloroethane	9.52		ug/L	10.00		95	70-130			
Chloroform	9.35		ug/L	10.00		94	70-130			
Chloromethane	7.82		ug/L	10.00		78	70-130			
cis-1,2-Dichloroethene	9.83		ug/L	10.00		98	70-130			
cis-1,3-Dichloropropene	9.32		ug/L	10.00		93	70-130			
Dibromochloromethane	10.8		ug/L	10.00		108	70-130			
Dibromomethane	9.29		ug/L	10.00		93	70-130			
Dichlorodifluoromethane	8.24		ug/L	10.00		82	70-130			
Diethyl Ether	10.5		ug/L	10.00		105	70-130			
Di-isopropyl ether	9.49		ug/L	10.00		95	70-130			
Ethyl tertiary-butyl ether	8.73		ug/L	10.00		87	70-130			
Ethylbenzene	9.75		ug/L	10.00		98	70-130			
Hexachlorobutadiene	10.2		ug/L	10.00		102	70-130			
Hexachloroethane	12.1		ug/L	10.00		121	70-130			
Isopropylbenzene	8.69		ug/L	10.00		87	70-130			
Methyl tert-Butyl Ether	8.71		ug/L	10.00		87	70-130			



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01208 - 5030B

Methylene Chloride	10.2		ug/L	10.00		102	70-130			
Naphthalene	11.0		ug/L	10.00		110	70-130			
n-Butylbenzene	11.3		ug/L	10.00		113	70-130			
n-Propylbenzene	9.82		ug/L	10.00		98	70-130			
sec-Butylbenzene	11.2		ug/L	10.00		112	70-130			
Styrene	9.54		ug/L	10.00		95	70-130			
tert-Butylbenzene	10.8		ug/L	10.00		108	70-130			
Tertiary-amyl methyl ether	8.51		ug/L	10.00		85	70-130			
Tetrachloroethene	10.2		ug/L	10.00		102	70-130			
Tetrahydrofuran	9.29		ug/L	10.00		93	70-130			
Toluene	9.70		ug/L	10.00		97	70-130			
trans-1,2-Dichloroethene	9.23		ug/L	10.00		92	70-130			
trans-1,3-Dichloropropene	8.64		ug/L	10.00		86	70-130			
Trichloroethene	9.45		ug/L	10.00		94	70-130			
Trichlorofluoromethane	7.98		ug/L	10.00		80	70-130			
Vinyl Acetate	11.2		ug/L	10.00		112	70-130			
Vinyl Chloride	9.06		ug/L	10.00		91	70-130			
Xylene O	9.91		ug/L	10.00		99	70-130			
Xylene P,M	20.0		ug/L	20.00		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0242		mg/L	0.02500		97	70-130			
Surrogate: 4-Bromofluorobenzene	0.0260		mg/L	0.02500		104	70-130			
Surrogate: Dibromofluoromethane	0.0257		mg/L	0.02500		103	70-130			
Surrogate: Toluene-d8	0.0275		mg/L	0.02500		110	70-130			

LCS Dup

1,1,1,2-Tetrachloroethane	10.1		ug/L	10.00		101	70-130	2	25	
1,1,1-Trichloroethane	9.28		ug/L	10.00		93	70-130	0.1	25	
1,1,2,2-Tetrachloroethane	9.59		ug/L	10.00		96	70-130	0.8	25	
1,1,2-Trichloroethane	9.56		ug/L	10.00		96	70-130	0.8	25	
1,1-Dichloroethane	9.70		ug/L	10.00		97	70-130	2	25	
1,1-Dichloroethene	10.2		ug/L	10.00		102	70-130	1	25	
1,1-Dichloropropene	9.21		ug/L	10.00		92	70-130	1	25	
1,2,3-Trichlorobenzene	10.9		ug/L	10.00		109	70-130	9	25	
1,2,3-Trichloropropane	9.64		ug/L	10.00		96	70-130	1	25	
1,2,4-Trichlorobenzene	10.2		ug/L	10.00		102	70-130	10	25	
1,2,4-Trimethylbenzene	9.28		ug/L	10.00		93	70-130	10	25	
1,2-Dibromo-3-Chloropropane	9.66		ug/L	10.00		97	70-130	3	25	
1,2-Dibromoethane	9.83		ug/L	10.00		98	70-130	0.5	25	
1,2-Dichlorobenzene	9.96		ug/L	10.00		100	70-130	4	25	
1,2-Dichloroethane	9.36		ug/L	10.00		94	70-130	3	25	
1,2-Dichloropropane	9.62		ug/L	10.00		96	70-130	0.3	25	
1,3,5-Trimethylbenzene	9.56		ug/L	10.00		96	70-130	8	25	
1,3-Dichlorobenzene	9.54		ug/L	10.00		95	70-130	5	25	
1,3-Dichloropropane	10.2		ug/L	10.00		102	70-130	0.6	25	
1,4-Dichlorobenzene	9.88		ug/L	10.00		99	70-130	0.6	25	
1,4-Dioxane - Screen	232		ug/L	200.0		116	0-332	32	200	



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01208 - 5030B

1-Chlorohexane	9.53		ug/L	10.00		95	70-130	2	25	
2,2-Dichloropropane	9.39		ug/L	10.00		94	70-130	0.7	25	
2-Butanone	48.3		ug/L	50.00		97	70-130	9	25	
2-Chlorotoluene	9.64		ug/L	10.00		96	70-130	4	25	
2-Hexanone	49.4		ug/L	50.00		99	70-130	6	25	
4-Chlorotoluene	9.43		ug/L	10.00		94	70-130	0	25	
4-Isopropyltoluene	9.76		ug/L	10.00		98	70-130	10	25	
4-Methyl-2-Pentanone	47.6		ug/L	50.00		95	70-130	2	25	
Acetone	49.7		ug/L	50.00		99	70-130	18	25	
Benzene	9.64		ug/L	10.00		96	70-130	0.3	25	
Bromobenzene	9.71		ug/L	10.00		97	70-130	2	25	
Bromochloromethane	9.77		ug/L	10.00		98	70-130	5	25	
Bromodichloromethane	9.70		ug/L	10.00		97	70-130	1	25	
Bromoform	11.5		ug/L	10.00		115	70-130	0.8	25	
Bromomethane	8.53		ug/L	10.00		85	70-130	2	25	
Carbon Disulfide	11.6		ug/L	10.00		116	70-130	1	25	
Carbon Tetrachloride	10.0		ug/L	10.00		100	70-130	0.5	25	
Chlorobenzene	9.97		ug/L	10.00		100	70-130	0.9	25	
Chloroethane	9.51		ug/L	10.00		95	70-130	0.1	25	
Chloroform	9.59		ug/L	10.00		96	70-130	3	25	
Chloromethane	7.56		ug/L	10.00		76	70-130	3	25	
cis-1,2-Dichloroethene	9.83		ug/L	10.00		98	70-130	0	25	
cis-1,3-Dichloropropene	9.25		ug/L	10.00		92	70-130	0.8	25	
Dibromochloromethane	10.7		ug/L	10.00		107	70-130	0.7	25	
Dibromomethane	9.09		ug/L	10.00		91	70-130	2	25	
Dichlorodifluoromethane	7.92		ug/L	10.00		79	70-130	4	25	
Diethyl Ether	10.6		ug/L	10.00		106	70-130	0.9	25	
Di-isopropyl ether	9.67		ug/L	10.00		97	70-130	2	25	
Ethyl tertiary-butyl ether	8.68		ug/L	10.00		87	70-130	0.6	25	
Ethylbenzene	9.54		ug/L	10.00		95	70-130	2	25	
Hexachlorobutadiene	9.85		ug/L	10.00		98	70-130	3	25	
Hexachloroethane	10.8		ug/L	10.00		108	70-130	11	25	
Isopropylbenzene	8.16		ug/L	10.00		82	70-130	6	25	
Methyl tert-Butyl Ether	8.92		ug/L	10.00		89	70-130	2	25	
Methylene Chloride	10.3		ug/L	10.00		103	70-130	0.3	25	
Naphthalene	9.44		ug/L	10.00		94	70-130	16	25	
n-Butylbenzene	10.5		ug/L	10.00		105	70-130	7	25	
n-Propylbenzene	9.25		ug/L	10.00		92	70-130	6	25	
sec-Butylbenzene	10.1		ug/L	10.00		101	70-130	10	25	
Styrene	9.31		ug/L	10.00		93	70-130	2	25	
tert-Butylbenzene	9.74		ug/L	10.00		97	70-130	10	25	
Tertiary-amyl methyl ether	8.40		ug/L	10.00		84	70-130	1	25	
Tetrachloroethene	9.90		ug/L	10.00		99	70-130	3	25	
Tetrahydrofuran	9.83		ug/L	10.00		98	70-130	6	25	
Toluene	9.52		ug/L	10.00		95	70-130	2	25	



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01208 - 5030B

trans-1,2-Dichloroethene	9.05		ug/L	10.00		90	70-130	2	25	
trans-1,3-Dichloropropene	8.66		ug/L	10.00		87	70-130	0.2	25	
Trichloroethene	9.46		ug/L	10.00		95	70-130	0.1	25	
Trichlorofluoromethane	8.11		ug/L	10.00		81	70-130	2	25	
Vinyl Acetate	11.5		ug/L	10.00		115	70-130	3	25	
Vinyl Chloride	9.12		ug/L	10.00		91	70-130	0.7	25	
Xylene O	9.89		ug/L	10.00		99	70-130	0.2	25	
Xylene P,M	20.1		ug/L	20.00		100	70-130	0.2	25	
Surrogate: 1,2-Dichloroethane-d4	0.0244		mg/L	0.02500		97	70-130			
Surrogate: 4-Bromofluorobenzene	0.0256		mg/L	0.02500		103	70-130			
Surrogate: Dibromofluoromethane	0.0261		mg/L	0.02500		104	70-130			
Surrogate: Toluene-d8	0.0277		mg/L	0.02500		111	70-130			

Matrix Spike Source: 1008142-03

1,1,1,2-Tetrachloroethane	10.4		ug/L	10.00	ND	104	70-130			
1,1,1-Trichloroethane	9.99		ug/L	10.00	0.100	99	70-130			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.00	ND	101	70-130			
1,1,2-Trichloroethane	13.4		ug/L	10.00	2.89	105	70-130			
1,1-Dichloroethane	9.89		ug/L	10.00	ND	99	70-130			
1,1-Dichloroethene	16.6		ug/L	10.00	6.07	105	70-130			
1,1-Dichloropropene	9.51		ug/L	10.00	ND	95	70-130			
1,2,3-Trichlorobenzene	8.58		ug/L	10.00	ND	86	70-130			
1,2,3-Trichloropropane	9.98		ug/L	10.00	ND	100	70-130			
1,2,4-Trichlorobenzene	8.34		ug/L	10.00	ND	83	70-130			
1,2,4-Trimethylbenzene	8.99		ug/L	10.00	ND	90	70-130			
1,2-Dibromo-3-Chloropropane	9.48		ug/L	10.00	ND	95	70-130			
1,2-Dibromoethane	9.97		ug/L	10.00	ND	100	70-130			
1,2-Dichlorobenzene	9.67		ug/L	10.00	ND	97	70-130			
1,2-Dichloroethane	11.6		ug/L	10.00	1.99	96	70-130			
1,2-Dichloropropane	11.8		ug/L	10.00	ND	118	70-130			
1,3,5-Trimethylbenzene	9.09		ug/L	10.00	ND	91	70-130			
1,3-Dichlorobenzene	9.47		ug/L	10.00	ND	95	70-130			
1,3-Dichloropropane	10.1		ug/L	10.00	ND	101	70-130			
1,4-Dichlorobenzene	11.0		ug/L	10.00	ND	110	70-130			
1,4-Dioxane - Screen	69.4		ug/L	200.0	ND	35	0-332			
1-Chlorohexane	8.71		ug/L	10.00	ND	87	70-130			
2,2-Dichloropropane	8.66		ug/L	10.00	ND	87	70-130			
2-Butanone	47.3		ug/L	50.00	ND	95	70-130			
2-Chlorotoluene	9.55		ug/L	10.00	ND	96	70-130			
2-Hexanone	46.5		ug/L	50.00	ND	93	70-130			
4-Chlorotoluene	9.39		ug/L	10.00	ND	94	70-130			
4-Isopropyltoluene	8.64		ug/L	10.00	ND	86	70-130			
4-Methyl-2-Pentanone	48.8		ug/L	50.00	ND	98	70-130			
Acetone	46.3		ug/L	50.00	ND	93	70-130			
Benzene	10.5		ug/L	10.00	0.650	99	70-130			
Bromobenzene	10.2		ug/L	10.00	ND	102	70-130			



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CH01208 - 5030B										
Bromochloromethane	10.1		ug/L	10.00	ND	101	70-130			
Bromodichloromethane	10.5		ug/L	10.00	ND	105	70-130			
Bromoform	11.1		ug/L	10.00	ND	111	70-130			
Bromomethane	6.55		ug/L	10.00	ND	66	70-130			M-
Carbon Disulfide	12.0		ug/L	10.00	ND	120	70-130			
Carbon Tetrachloride	10.5		ug/L	10.00	ND	105	70-130			
Chlorobenzene	10.1		ug/L	10.00	ND	101	70-130			
Chloroethane	9.79		ug/L	10.00	ND	98	70-130			
Chloroform	10.0		ug/L	10.00	ND	100	70-130			
Chloromethane	7.93		ug/L	10.00	ND	79	70-130			
cis-1,2-Dichloroethene	111		ug/L	10.00	98.0	127	70-130			E
cis-1,3-Dichloropropene	9.22		ug/L	10.00	ND	92	70-130			
Dibromochloromethane	10.6		ug/L	10.00	ND	106	70-130			
Dibromomethane	9.28		ug/L	10.00	ND	93	70-130			
Dichlorodifluoromethane	8.43		ug/L	10.00	ND	84	70-130			
Diethyl Ether	10.4		ug/L	10.00	ND	104	70-130			
Di-isopropyl ether	9.13		ug/L	10.00	ND	91	70-130			
Ethyl tertiary-butyl ether	8.40		ug/L	10.00	ND	84	70-130			
Ethylbenzene	9.51		ug/L	10.00	ND	95	70-130			
Hexachlorobutadiene	8.28		ug/L	10.00	ND	83	70-130			
Hexachloroethane	9.79		ug/L	10.00	ND	98	70-130			
Isopropylbenzene	7.99		ug/L	10.00	ND	80	70-130			
Methyl tert-Butyl Ether	8.36		ug/L	10.00	ND	84	70-130			
Methylene Chloride	10.2		ug/L	10.00	ND	102	70-130			
Naphthalene	7.87		ug/L	10.00	ND	79	70-130			
n-Butylbenzene	8.86		ug/L	10.00	ND	89	70-130			
n-Propylbenzene	8.89		ug/L	10.00	ND	89	70-130			
sec-Butylbenzene	9.18		ug/L	10.00	ND	92	70-130			
Styrene	8.91		ug/L	10.00	ND	89	70-130			
tert-Butylbenzene	9.06		ug/L	10.00	ND	91	70-130			
Tertiary-amyl methyl ether	7.80		ug/L	10.00	ND	78	70-130			
Tetrachloroethene	19.5		ug/L	10.00	9.47	100	70-130			
Tetrahydrofuran	10.5		ug/L	10.00	ND	105	70-130			
Toluene	9.95		ug/L	10.00	ND	100	70-130			
trans-1,2-Dichloroethene	9.88		ug/L	10.00	0.600	93	70-130			
trans-1,3-Dichloropropene	8.58		ug/L	10.00	ND	86	70-130			
Trichloroethene	769		ug/L	10.00	793	NR	70-130			E
Trichlorofluoromethane	7.08		ug/L	10.00	ND	71	70-130			
Vinyl Acetate	10.3		ug/L	10.00	ND	103	70-130			
Vinyl Chloride	10.7		ug/L	10.00	1.42	93	70-130			
Xylene O	9.60		ug/L	10.00	ND	96	70-130			
Xylene P,M	19.5		ug/L	20.00	ND	97	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0254		mg/L	0.02500		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.0251		mg/L	0.02500		100	70-130			
Surrogate: Dibromofluoromethane	0.0268		mg/L	0.02500		107	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01208 - 5030B

Batch CH01208 - 5030B										
<i>Surrogate: Toluene-d8</i>		0.0272	mg/L	0.02500		109	70-130			
Matrix Spike Dup	Source: 1008142-03									
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.00	ND	102	70-130	1	30	
1,1,1-Trichloroethane	9.70		ug/L	10.00	0.100	96	70-130	3	30	
1,1,2,2-Tetrachloroethane	9.66		ug/L	10.00	ND	97	70-130	4	30	
1,1,2-Trichloroethane	13.0		ug/L	10.00	2.89	101	70-130	4	30	
1,1-Dichloroethane	9.95		ug/L	10.00	ND	100	70-130	0.6	30	
1,1-Dichloroethene	16.6		ug/L	10.00	6.07	105	70-130	0.09	30	
1,1-Dichloropropene	9.37		ug/L	10.00	ND	94	70-130	1	30	
1,2,3-Trichlorobenzene	9.53		ug/L	10.00	ND	95	70-130	10	30	
1,2,3-Trichloropropane	9.48		ug/L	10.00	ND	95	70-130	5	30	
1,2,4-Trichlorobenzene	9.10		ug/L	10.00	ND	91	70-130	9	30	
1,2,4-Trimethylbenzene	9.29		ug/L	10.00	ND	93	70-130	3	30	
1,2-Dibromo-3-Chloropropane	8.66		ug/L	10.00	ND	87	70-130	9	30	
1,2-Dibromoethane	9.65		ug/L	10.00	ND	96	70-130	3	30	
1,2-Dichlorobenzene	10.1		ug/L	10.00	ND	101	70-130	4	30	
1,2-Dichloroethane	11.3		ug/L	10.00	1.99	93	70-130	4	30	
1,2-Dichloropropane	11.8		ug/L	10.00	ND	118	70-130	0.5	30	
1,3,5-Trimethylbenzene	9.39		ug/L	10.00	ND	94	70-130	3	30	
1,3-Dichlorobenzene	10.0		ug/L	10.00	ND	100	70-130	6	30	
1,3-Dichloropropane	9.96		ug/L	10.00	ND	100	70-130	1	30	
1,4-Dichlorobenzene	10.4		ug/L	10.00	ND	104	70-130	6	30	
1,4-Dioxane - Screen	183		ug/L	200.0	ND	91	0-332	90	200	
1-Chlorohexane	8.78		ug/L	10.00	ND	88	70-130	0.8	30	
2,2-Dichloropropane	8.64		ug/L	10.00	ND	86	70-130	0.2	30	
2-Butanone	44.2		ug/L	50.00	ND	88	70-130	7	30	
2-Chlorotoluene	10.0		ug/L	10.00	ND	100	70-130	5	30	
2-Hexanone	45.8		ug/L	50.00	ND	92	70-130	2	30	
4-Chlorotoluene	9.39		ug/L	10.00	ND	94	70-130	0	30	
4-Isopropyltoluene	9.28		ug/L	10.00	ND	93	70-130	7	30	
4-Methyl-2-Pentanone	44.5		ug/L	50.00	ND	89	70-130	9	30	
Acetone	41.5		ug/L	50.00	ND	83	70-130	11	30	
Benzene	10.4		ug/L	10.00	0.650	98	70-130	1	30	
Bromobenzene	10.1		ug/L	10.00	ND	101	70-130	1	30	
Bromochloromethane	9.90		ug/L	10.00	ND	99	70-130	2	30	
Bromodichloromethane	10.1		ug/L	10.00	ND	101	70-130	3	30	
Bromoform	10.9		ug/L	10.00	ND	109	70-130	2	30	
Bromomethane	7.06		ug/L	10.00	ND	71	70-130	7	30	
Carbon Disulfide	12.2		ug/L	10.00	ND	122	70-130	2	30	
Carbon Tetrachloride	10.4		ug/L	10.00	ND	104	70-130	1	30	
Chlorobenzene	9.95		ug/L	10.00	ND	100	70-130	2	30	
Chloroethane	10.3		ug/L	10.00	ND	103	70-130	5	30	
Chloroform	9.82		ug/L	10.00	ND	98	70-130	2	30	
Chloromethane	7.70		ug/L	10.00	ND	77	70-130	3	30	



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CH01208 - 5030B										
cis-1,2-Dichloroethene	112		ug/L	10.00	98.0	136	70-130	7	30	E
cis-1,3-Dichloropropene	9.20		ug/L	10.00	ND	92	70-130	0.2	30	
Dibromochloromethane	10.7		ug/L	10.00	ND	107	70-130	0.09	30	
Dibromomethane	9.23		ug/L	10.00	ND	92	70-130	0.5	30	
Dichlorodifluoromethane	8.65		ug/L	10.00	ND	86	70-130	3	30	
Diethyl Ether	10.4		ug/L	10.00	ND	104	70-130	0.6	30	
Di-isopropyl ether	9.17		ug/L	10.00	ND	92	70-130	0.4	30	
Ethyl tertiary-butyl ether	8.20		ug/L	10.00	ND	82	70-130	2	30	
Ethylbenzene	9.52		ug/L	10.00	ND	95	70-130	0.1	30	
Hexachlorobutadiene	8.84		ug/L	10.00	ND	88	70-130	7	30	
Hexachloroethane	10.5		ug/L	10.00	ND	105	70-130	7	30	
Isopropylbenzene	8.27		ug/L	10.00	ND	83	70-130	3	30	
Methyl tert-Butyl Ether	8.28		ug/L	10.00	ND	83	70-130	1	30	
Methylene Chloride	10.0		ug/L	10.00	ND	100	70-130	2	30	
Naphthalene	8.16		ug/L	10.00	ND	82	70-130	4	30	
n-Butylbenzene	9.58		ug/L	10.00	ND	96	70-130	8	30	
n-Propylbenzene	9.16		ug/L	10.00	ND	92	70-130	3	30	
sec-Butylbenzene	9.82		ug/L	10.00	ND	98	70-130	7	30	
Styrene	8.85		ug/L	10.00	ND	88	70-130	0.7	30	
tert-Butylbenzene	9.75		ug/L	10.00	ND	98	70-130	7	30	
Tertiary-amyl methyl ether	7.71		ug/L	10.00	ND	77	70-130	1	30	
Tetrachloroethene	20.2		ug/L	10.00	9.47	107	70-130	6	30	
Tetrahydrofuran	8.93		ug/L	10.00	ND	89	70-130	16	30	
Toluene	9.93		ug/L	10.00	ND	99	70-130	0.2	30	
trans-1,2-Dichloroethene	9.70		ug/L	10.00	0.600	91	70-130	2	30	
trans-1,3-Dichloropropene	8.39		ug/L	10.00	ND	84	70-130	2	30	
Trichloroethene	742		ug/L	10.00	793	NR	70-130	NR	30	E
Trichlorofluoromethane	8.54		ug/L	10.00	ND	85	70-130	19	30	
Vinyl Acetate	9.52		ug/L	10.00	ND	95	70-130	8	30	
Vinyl Chloride	10.8		ug/L	10.00	1.42	94	70-130	1	30	
Xylene O	9.53		ug/L	10.00	ND	95	70-130	0.7	30	
Xylene P,M	20.0		ug/L	20.00	ND	100	70-130	3	30	
Surrogate: 1,2-Dichloroethane-d4	0.0253		mg/L	0.02500		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.0254		mg/L	0.02500		102	70-130			
Surrogate: Dibromofluoromethane	0.0270		mg/L	0.02500		108	70-130			
Surrogate: Toluene-d8	0.0274		mg/L	0.02500		110	70-130			

Batch CH01314 - 5030B

Blank										
1,1,1,2-Tetrachloroethane	ND	0.0010	mg/L							
1,1,1-Trichloroethane	ND	0.0010	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0010	mg/L							
1,1-Dichloroethane	ND	0.0010	mg/L							
1,1-Dichloroethene	ND	0.0010	mg/L							
1,1-Dichloropropene	ND	0.0020	mg/L							

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01314 - 5030B

1,2,3-Trichlorobenzene	ND	0.0010	mg/L							
1,2,3-Trichloropropane	ND	0.0010	mg/L							
1,2,4-Trichlorobenzene	ND	0.0010	mg/L							
1,2,4-Trimethylbenzene	ND	0.0010	mg/L							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/L							
1,2-Dibromoethane	ND	0.0010	mg/L							
1,2-Dichlorobenzene	ND	0.0010	mg/L							
1,2-Dichloroethane	ND	0.0010	mg/L							
1,2-Dichloropropane	ND	0.0010	mg/L							
1,3,5-Trimethylbenzene	ND	0.0010	mg/L							
1,3-Dichlorobenzene	ND	0.0010	mg/L							
1,3-Dichloropropane	ND	0.0010	mg/L							
1,4-Dichlorobenzene	ND	0.0010	mg/L							
1,4-Dioxane - Screen	ND	0.500	mg/L							
1-Chlorohexane	ND	0.0010	mg/L							
2,2-Dichloropropane	ND	0.0010	mg/L							
2-Butanone	ND	0.0250	mg/L							
2-Chlorotoluene	ND	0.0010	mg/L							
2-Hexanone	ND	0.0100	mg/L							
4-Chlorotoluene	ND	0.0010	mg/L							
4-Isopropyltoluene	ND	0.0010	mg/L							
4-Methyl-2-Pentanone	ND	0.0250	mg/L							
Acetone	ND	0.0250	mg/L							
Benzene	ND	0.0010	mg/L							
Bromobenzene	ND	0.0020	mg/L							
Bromochloromethane	ND	0.0010	mg/L							
Bromodichloromethane	ND	0.0006	mg/L							
Bromoform	ND	0.0010	mg/L							
Bromomethane	ND	0.0020	mg/L							
Carbon Disulfide	0.0001	0.0010	mg/L							J
Carbon Tetrachloride	ND	0.0010	mg/L							
Chlorobenzene	ND	0.0010	mg/L							
Chloroethane	ND	0.0020	mg/L							
Chloroform	ND	0.0010	mg/L							
Chloromethane	ND	0.0020	mg/L							
cis-1,2-Dichloroethene	ND	0.0010	mg/L							
cis-1,3-Dichloropropene	ND	0.0004	mg/L							
Dibromochloromethane	ND	0.0010	mg/L							
Dibromomethane	ND	0.0010	mg/L							
Dichlorodifluoromethane	ND	0.0020	mg/L							
Diethyl Ether	ND	0.0010	mg/L							
Di-isopropyl ether	ND	0.0010	mg/L							
Ethyl tertiary-butyl ether	ND	0.0010	mg/L							
Ethylbenzene	ND	0.0010	mg/L							
Hexachlorobutadiene	ND	0.0006	mg/L							



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01314 - 5030B

Hexachloroethane	ND	0.0010	mg/L							
Isopropylbenzene	ND	0.0010	mg/L							
Methyl tert-Butyl Ether	ND	0.0010	mg/L							
Methylene Chloride	ND	0.0040	mg/L							
Naphthalene	ND	0.0010	mg/L							
n-Butylbenzene	ND	0.0010	mg/L							
n-Propylbenzene	ND	0.0010	mg/L							
sec-Butylbenzene	ND	0.0010	mg/L							
Styrene	ND	0.0010	mg/L							
tert-Butylbenzene	ND	0.0010	mg/L							
Tertiary-amyl methyl ether	ND	0.0010	mg/L							
Tetrachloroethene	ND	0.0010	mg/L							
Tetrahydrofuran	ND	0.0050	mg/L							
Toluene	ND	0.0010	mg/L							
trans-1,2-Dichloroethene	ND	0.0010	mg/L							
trans-1,3-Dichloropropene	ND	0.0004	mg/L							
Trichloroethene	ND	0.0010	mg/L							
Trichlorofluoromethane	ND	0.0010	mg/L							
Vinyl Acetate	ND	0.0050	mg/L							
Vinyl Chloride	ND	0.0010	mg/L							
Xylene O	ND	0.0010	mg/L							
Xylene P,M	ND	0.0020	mg/L							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0216</i>		mg/L	<i>0.02500</i>		<i>87</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0228</i>		mg/L	<i>0.02500</i>		<i>91</i>	<i>70-130</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0232</i>		mg/L	<i>0.02500</i>		<i>93</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0259</i>		mg/L	<i>0.02500</i>		<i>104</i>	<i>70-130</i>			

LCS

1,1,1,2-Tetrachloroethane	10.9		ug/L	10.00		109	70-130			
1,1,1-Trichloroethane	10.2		ug/L	10.00		102	70-130			
1,1,2,2-Tetrachloroethane	9.95		ug/L	10.00		100	70-130			
1,1,2-Trichloroethane	10.0		ug/L	10.00		100	70-130			
1,1-Dichloroethane	10.1		ug/L	10.00		101	70-130			
1,1-Dichloroethene	10.8		ug/L	10.00		108	70-130			
1,1-Dichloropropene	10.2		ug/L	10.00		102	70-130			
1,2,3-Trichlorobenzene	11.5		ug/L	10.00		115	70-130			
1,2,3-Trichloropropane	10.2		ug/L	10.00		102	70-130			
1,2,4-Trichlorobenzene	11.1		ug/L	10.00		111	70-130			
1,2,4-Trimethylbenzene	10.4		ug/L	10.00		104	70-130			
1,2-Dibromo-3-Chloropropane	9.42		ug/L	10.00		94	70-130			
1,2-Dibromoethane	10.4		ug/L	10.00		104	70-130			
1,2-Dichlorobenzene	10.7		ug/L	10.00		107	70-130			
1,2-Dichloroethane	9.79		ug/L	10.00		98	70-130			
1,2-Dichloropropane	10.3		ug/L	10.00		103	70-130			
1,3,5-Trimethylbenzene	10.5		ug/L	10.00		105	70-130			
1,3-Dichlorobenzene	10.4		ug/L	10.00		104	70-130			



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01314 - 5030B

1,3-Dichloropropane	10.5		ug/L	10.00		105	70-130			
1,4-Dichlorobenzene	10.7		ug/L	10.00		107	70-130			
1,4-Dioxane - Screen	314		ug/L	200.0		157	0-332			
1-Chlorohexane	9.84		ug/L	10.00		98	70-130			
2,2-Dichloropropane	9.64		ug/L	10.00		96	70-130			
2-Butanone	68.7		ug/L	50.00		137	70-130			B+
2-Chlorotoluene	10.4		ug/L	10.00		104	70-130			
2-Hexanone	80.8		ug/L	50.00		162	70-130			B+
4-Chlorotoluene	9.99		ug/L	10.00		100	70-130			
4-Isopropyltoluene	10.9		ug/L	10.00		109	70-130			
4-Methyl-2-Pentanone	48.8		ug/L	50.00		98	70-130			
Acetone	103		ug/L	50.00		207	70-130			B+
Benzene	10.0		ug/L	10.00		100	70-130			
Bromobenzene	10.5		ug/L	10.00		105	70-130			
Bromochloromethane	10.4		ug/L	10.00		104	70-130			
Bromodichloromethane	10.3		ug/L	10.00		103	70-130			
Bromoform	11.7		ug/L	10.00		117	70-130			
Bromomethane	9.01		ug/L	10.00		90	70-130			
Carbon Disulfide	12.5		ug/L	10.00		125	70-130			
Carbon Tetrachloride	10.8		ug/L	10.00		108	70-130			
Chlorobenzene	10.5		ug/L	10.00		105	70-130			
Chloroethane	10.1		ug/L	10.00		101	70-130			
Chloroform	10.3		ug/L	10.00		103	70-130			
Chloromethane	8.10		ug/L	10.00		81	70-130			
cis-1,2-Dichloroethene	10.4		ug/L	10.00		104	70-130			
cis-1,3-Dichloropropene	9.81		ug/L	10.00		98	70-130			
Dibromochloromethane	11.3		ug/L	10.00		113	70-130			
Dibromomethane	9.68		ug/L	10.00		97	70-130			
Dichlorodifluoromethane	9.00		ug/L	10.00		90	70-130			
Diethyl Ether	10.5		ug/L	10.00		105	70-130			
Di-isopropyl ether	9.86		ug/L	10.00		99	70-130			
Ethyl tertiary-butyl ether	8.71		ug/L	10.00		87	70-130			
Ethylbenzene	10.1		ug/L	10.00		101	70-130			
Hexachlorobutadiene	11.0		ug/L	10.00		110	70-130			
Hexachloroethane	12.8		ug/L	10.00		128	70-130			
Isopropylbenzene	8.85		ug/L	10.00		88	70-130			
Methyl tert-Butyl Ether	8.85		ug/L	10.00		88	70-130			
Methylene Chloride	10.4		ug/L	10.00		104	70-130			
Naphthalene	9.76		ug/L	10.00		98	70-130			
n-Butylbenzene	11.4		ug/L	10.00		114	70-130			
n-Propylbenzene	10.1		ug/L	10.00		101	70-130			
sec-Butylbenzene	11.6		ug/L	10.00		116	70-130			
Styrene	9.68		ug/L	10.00		97	70-130			
tert-Butylbenzene	11.0		ug/L	10.00		110	70-130			
Tertiary-amyl methyl ether	8.27		ug/L	10.00		83	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CH01314 - 5030B										
Tetrachloroethene	12.0		ug/L	10.00		120	70-130			
Tetrahydrofuran	9.75		ug/L	10.00		98	70-130			
Toluene	10.2		ug/L	10.00		102	70-130			
trans-1,2-Dichloroethene	9.48		ug/L	10.00		95	70-130			
trans-1,3-Dichloropropene	8.90		ug/L	10.00		89	70-130			
Trichloroethene	9.96		ug/L	10.00		100	70-130			
Trichlorofluoromethane	9.03		ug/L	10.00		90	70-130			
Vinyl Acetate	11.0		ug/L	10.00		110	70-130			
Vinyl Chloride	9.75		ug/L	10.00		98	70-130			
Xylene O	10.4		ug/L	10.00		104	70-130			
Xylene P,M	21.2		ug/L	20.00		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0250		mg/L	0.02500		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.0259		mg/L	0.02500		104	70-130			
Surrogate: Dibromofluoromethane	0.0265		mg/L	0.02500		106	70-130			
Surrogate: Toluene-d8	0.0271		mg/L	0.02500		108	70-130			
LCS Dup										
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.00		106	70-130	3	25	
1,1,1-Trichloroethane	10.3		ug/L	10.00		103	70-130	2	25	
1,1,2,2-Tetrachloroethane	10.2		ug/L	10.00		102	70-130	2	25	
1,1,2-Trichloroethane	10.2		ug/L	10.00		102	70-130	1	25	
1,1-Dichloroethane	10.3		ug/L	10.00		103	70-130	2	25	
1,1-Dichloroethene	10.7		ug/L	10.00		107	70-130	1	25	
1,1-Dichloropropene	10.3		ug/L	10.00		103	70-130	0.4	25	
1,2,3-Trichlorobenzene	11.0		ug/L	10.00		110	70-130	4	25	
1,2,3-Trichloropropane	10.2		ug/L	10.00		102	70-130	0.1	25	
1,2,4-Trichlorobenzene	10.4		ug/L	10.00		104	70-130	6	25	
1,2,4-Trimethylbenzene	9.92		ug/L	10.00		99	70-130	5	25	
1,2-Dibromo-3-Chloropropane	8.81		ug/L	10.00		88	70-130	7	25	
1,2-Dibromoethane	10.3		ug/L	10.00		103	70-130	0.7	25	
1,2-Dichlorobenzene	10.6		ug/L	10.00		106	70-130	1	25	
1,2-Dichloroethane	9.94		ug/L	10.00		99	70-130	2	25	
1,2-Dichloropropane	10.4		ug/L	10.00		104	70-130	1	25	
1,3,5-Trimethylbenzene	10.2		ug/L	10.00		102	70-130	2	25	
1,3-Dichlorobenzene	10.5		ug/L	10.00		105	70-130	0.6	25	
1,3-Dichloropropane	10.7		ug/L	10.00		107	70-130	2	25	
1,4-Dichlorobenzene	10.5		ug/L	10.00		105	70-130	2	25	
1,4-Dioxane - Screen	246		ug/L	200.0		123	0-332	24	200	
1-Chlorohexane	9.50		ug/L	10.00		95	70-130	4	25	
2,2-Dichloropropane	9.51		ug/L	10.00		95	70-130	1	25	
2-Butanone	66.5		ug/L	50.00		133	70-130	3	25	B+
2-Chlorotoluene	10.5		ug/L	10.00		105	70-130	0.8	25	
2-Hexanone	72.1		ug/L	50.00		144	70-130	11	25	B+
4-Chlorotoluene	9.80		ug/L	10.00		98	70-130	2	25	
4-Isopropyltoluene	10.2		ug/L	10.00		102	70-130	7	25	
4-Methyl-2-Pentanone	48.3		ug/L	50.00		97	70-130	1	25	



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01314 - 5030B

Acetone	95.4		ug/L	50.00		191	70-130	8	25	B+
Benzene	10.2		ug/L	10.00		102	70-130	2	25	
Bromobenzene	10.6		ug/L	10.00		106	70-130	0.4	25	
Bromochloromethane	10.5		ug/L	10.00		105	70-130	2	25	
Bromodichloromethane	10.2		ug/L	10.00		102	70-130	0.6	25	
Bromoform	11.6		ug/L	10.00		116	70-130	1	25	
Bromomethane	8.99		ug/L	10.00		90	70-130	0.2	25	
Carbon Disulfide	12.6		ug/L	10.00		126	70-130	0.3	25	
Carbon Tetrachloride	10.9		ug/L	10.00		109	70-130	0.9	25	
Chlorobenzene	10.5		ug/L	10.00		105	70-130	0.5	25	
Chloroethane	9.81		ug/L	10.00		98	70-130	3	25	
Chloroform	10.2		ug/L	10.00		102	70-130	1	25	
Chloromethane	8.16		ug/L	10.00		82	70-130	0.7	25	
cis-1,2-Dichloroethene	10.6		ug/L	10.00		106	70-130	2	25	
cis-1,3-Dichloropropene	9.72		ug/L	10.00		97	70-130	0.9	25	
Dibromochloromethane	11.0		ug/L	10.00		110	70-130	2	25	
Dibromomethane	9.79		ug/L	10.00		98	70-130	1	25	
Dichlorodifluoromethane	8.96		ug/L	10.00		90	70-130	0.4	25	
Diethyl Ether	11.3		ug/L	10.00		113	70-130	7	25	
Di-isopropyl ether	9.91		ug/L	10.00		99	70-130	0.5	25	
Ethyl tertiary-butyl ether	9.00		ug/L	10.00		90	70-130	3	25	
Ethylbenzene	9.92		ug/L	10.00		99	70-130	2	25	
Hexachlorobutadiene	10.8		ug/L	10.00		108	70-130	2	25	
Hexachloroethane	11.7		ug/L	10.00		117	70-130	9	25	
Isopropylbenzene	8.60		ug/L	10.00		86	70-130	3	25	
Methyl tert-Butyl Ether	9.06		ug/L	10.00		91	70-130	2	25	
Methylene Chloride	10.7		ug/L	10.00		107	70-130	3	25	
Naphthalene	8.82		ug/L	10.00		88	70-130	10	25	
n-Butylbenzene	10.9		ug/L	10.00		109	70-130	5	25	
n-Propylbenzene	9.71		ug/L	10.00		97	70-130	4	25	
sec-Butylbenzene	11.1		ug/L	10.00		111	70-130	4	25	
Styrene	9.50		ug/L	10.00		95	70-130	2	25	
tert-Butylbenzene	10.3		ug/L	10.00		103	70-130	7	25	
Tertiary-amyl methyl ether	8.43		ug/L	10.00		84	70-130	2	25	
Tetrachloroethene	11.4		ug/L	10.00		114	70-130	5	25	
Tetrahydrofuran	10.5		ug/L	10.00		105	70-130	7	25	
Toluene	10.4		ug/L	10.00		104	70-130	2	25	
trans-1,2-Dichloroethene	9.66		ug/L	10.00		97	70-130	2	25	
trans-1,3-Dichloropropene	9.29		ug/L	10.00		93	70-130	4	25	
Trichloroethene	10.1		ug/L	10.00		101	70-130	1	25	
Trichlorofluoromethane	8.94		ug/L	10.00		89	70-130	1	25	
Vinyl Acetate	11.6		ug/L	10.00		116	70-130	5	25	
Vinyl Chloride	9.78		ug/L	10.00		98	70-130	0.3	25	
Xylene O	10.1		ug/L	10.00		101	70-130	3	25	
Xylene P,M	20.6		ug/L	20.00		103	70-130	3	25	



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01314 - 5030B

Surrogate: 1,2-Dichloroethane-d4	0.0254		mg/L	0.02500		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.0264		mg/L	0.02500		106	70-130			
Surrogate: Dibromofluoromethane	0.0268		mg/L	0.02500		107	70-130			
Surrogate: Toluene-d8	0.0268		mg/L	0.02500		107	70-130			

Batch CH01616 - 5030B

Blank

1,1,1,2-Tetrachloroethane	ND	0.0010	mg/L
1,1,1,2-Tetrachloroethane	ND	0.0010	mg/L
1,1,1-Trichloroethane	ND	0.0010	mg/L
1,1,1-Trichloroethane	ND	0.0010	mg/L
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L
1,1,2-Trichloroethane	ND	0.0010	mg/L
1,1,2-Trichloroethane	ND	0.0010	mg/L
1,1-Dichloroethane	ND	0.0010	mg/L
1,1-Dichloroethane	ND	0.0010	mg/L
1,1-Dichloroethene	ND	0.0010	mg/L
1,1-Dichloroethene	ND	0.0010	mg/L
1,1-Dichloropropene	ND	0.0020	mg/L
1,1-Dichloropropene	ND	0.0020	mg/L
1,2,3-Trichlorobenzene	ND	0.0010	mg/L
1,2,3-Trichlorobenzene	ND	0.0010	mg/L
1,2,3-Trichloropropane	ND	0.0010	mg/L
1,2,3-Trichloropropane	ND	0.0010	mg/L
1,2,4-Trichlorobenzene	ND	0.0010	mg/L
1,2,4-Trichlorobenzene	ND	0.0010	mg/L
1,2,4-Trimethylbenzene	ND	0.0010	mg/L
1,2,4-Trimethylbenzene	ND	0.0010	mg/L
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/L
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/L
1,2-Dibromoethane	ND	0.0010	mg/L
1,2-Dibromoethane	ND	0.0010	mg/L
1,2-Dichlorobenzene	ND	0.0010	mg/L
1,2-Dichlorobenzene	ND	0.0010	mg/L
1,2-Dichloroethane	ND	0.0010	mg/L
1,2-Dichloroethane	ND	0.0010	mg/L
1,2-Dichloropropane	ND	0.0010	mg/L
1,2-Dichloropropane	ND	0.0010	mg/L
1,3,5-Trimethylbenzene	ND	0.0010	mg/L
1,3,5-Trimethylbenzene	ND	0.0010	mg/L
1,3-Dichlorobenzene	ND	0.0010	mg/L
1,3-Dichlorobenzene	ND	0.0010	mg/L
1,3-Dichloropropane	ND	0.0010	mg/L
1,3-Dichloropropane	ND	0.0010	mg/L



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01616 - 5030B

1,4-Dichlorobenzene	ND	0.0010	mg/L							
1,4-Dichlorobenzene	ND	0.0010	mg/L							
1,4-Dioxane - Screen	ND	0.500	mg/L							
1,4-Dioxane - Screen	ND	0.500	mg/L							
1-Chlorohexane	ND	0.0010	mg/L							
1-Chlorohexane	ND	0.0010	mg/L							
2,2-Dichloropropane	ND	0.0010	mg/L							
2,2-Dichloropropane	ND	0.0010	mg/L							
2-Butanone	ND	0.0250	mg/L							
2-Butanone	ND	0.0250	mg/L							
2-Chlorotoluene	ND	0.0010	mg/L							
2-Chlorotoluene	ND	0.0010	mg/L							
2-Hexanone	ND	0.0100	mg/L							
2-Hexanone	ND	0.0100	mg/L							
4-Chlorotoluene	ND	0.0010	mg/L							
4-Chlorotoluene	ND	0.0010	mg/L							
4-Isopropyltoluene	ND	0.0010	mg/L							
4-Isopropyltoluene	ND	0.0010	mg/L							
4-Methyl-2-Pentanone	ND	0.0250	mg/L							
4-Methyl-2-Pentanone	ND	0.0250	mg/L							
Acetone	ND	0.0250	mg/L							
Acetone	ND	0.0250	mg/L							
Benzene	ND	0.0010	mg/L							
Benzene	ND	0.0010	mg/L							
Bromobenzene	ND	0.0020	mg/L							
Bromobenzene	ND	0.0020	mg/L							
Bromochloromethane	ND	0.0010	mg/L							
Bromochloromethane	ND	0.0010	mg/L							
Bromodichloromethane	ND	0.0006	mg/L							
Bromodichloromethane	ND	0.0006	mg/L							
Bromoform	ND	0.0010	mg/L							
Bromoform	ND	0.0010	mg/L							
Bromomethane	ND	0.0020	mg/L							
Bromomethane	ND	0.0020	mg/L							
Carbon Disulfide	ND	0.0010	mg/L							
Carbon Disulfide	ND	0.0010	mg/L							
Carbon Tetrachloride	ND	0.0010	mg/L							
Carbon Tetrachloride	ND	0.0010	mg/L							
Chlorobenzene	ND	0.0010	mg/L							
Chlorobenzene	ND	0.0010	mg/L							
Chloroethane	ND	0.0020	mg/L							
Chloroethane	ND	0.0020	mg/L							
Chloroform	ND	0.0010	mg/L							
Chloroform	ND	0.0010	mg/L							
Chloromethane	ND	0.0020	mg/L							



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
 Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01616 - 5030B

Chloromethane	ND	0.0020	mg/L							
cis-1,2-Dichloroethene	ND	0.0010	mg/L							
cis-1,2-Dichloroethene	ND	0.0010	mg/L							
cis-1,3-Dichloropropene	ND	0.0004	mg/L							
cis-1,3-Dichloropropene	ND	0.0004	mg/L							
Dibromochloromethane	ND	0.0010	mg/L							
Dibromochloromethane	ND	0.0010	mg/L							
Dibromomethane	ND	0.0010	mg/L							
Dibromomethane	ND	0.0010	mg/L							
Dichlorodifluoromethane	ND	0.0020	mg/L							
Dichlorodifluoromethane	ND	0.0020	mg/L							
Diethyl Ether	ND	0.0010	mg/L							
Diethyl Ether	ND	0.0010	mg/L							
Di-isopropyl ether	ND	0.0010	mg/L							
Di-isopropyl ether	ND	0.0010	mg/L							
Ethyl tertiary-butyl ether	ND	0.0010	mg/L							
Ethyl tertiary-butyl ether	ND	0.0010	mg/L							
Ethylbenzene	ND	0.0010	mg/L							
Ethylbenzene	ND	0.0010	mg/L							
Hexachlorobutadiene	ND	0.0006	mg/L							
Hexachlorobutadiene	ND	0.0006	mg/L							
Hexachloroethane	ND	0.0010	mg/L							
Hexachloroethane	ND	0.0010	mg/L							
Isopropylbenzene	ND	0.0010	mg/L							
Isopropylbenzene	ND	0.0010	mg/L							
Methyl tert-Butyl Ether	ND	0.0010	mg/L							
Methyl tert-Butyl Ether	ND	0.0010	mg/L							
Methylene Chloride	ND	0.0040	mg/L							
Methylene Chloride	ND	0.0040	mg/L							
Naphthalene	ND	0.0010	mg/L							
Naphthalene	ND	0.0010	mg/L							
n-Butylbenzene	ND	0.0010	mg/L							
n-Butylbenzene	ND	0.0010	mg/L							
n-Propylbenzene	ND	0.0010	mg/L							
n-Propylbenzene	ND	0.0010	mg/L							
sec-Butylbenzene	ND	0.0010	mg/L							
sec-Butylbenzene	ND	0.0010	mg/L							
Styrene	ND	0.0010	mg/L							
Styrene	ND	0.0010	mg/L							
tert-Butylbenzene	ND	0.0010	mg/L							
tert-Butylbenzene	ND	0.0010	mg/L							
Tertiary-amyl methyl ether	ND	0.0010	mg/L							
Tertiary-amyl methyl ether	ND	0.0010	mg/L							
Tetrachloroethene	ND	0.0010	mg/L							
Tetrachloroethene	ND	0.0010	mg/L							



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01616 - 5030B

Tetrahydrofuran	ND	0.0050	mg/L							
Tetrahydrofuran	ND	0.0050	mg/L							
Toluene	ND	0.0010	mg/L							
Toluene	ND	0.0010	mg/L							
trans-1,2-Dichloroethene	ND	0.0010	mg/L							
trans-1,2-Dichloroethene	ND	0.0010	mg/L							
trans-1,3-Dichloropropene	ND	0.0004	mg/L							
trans-1,3-Dichloropropene	ND	0.0005	mg/L							
Trichloroethene	ND	0.0010	mg/L							
Trichloroethene	ND	0.0010	mg/L							
Trichlorofluoromethane	ND	0.0010	mg/L							
Trichlorofluoromethane	ND	0.0010	mg/L							
Vinyl Acetate	ND	0.0050	mg/L							
Vinyl Acetate	ND	0.0050	mg/L							
Vinyl Chloride	ND	0.0010	mg/L							
Vinyl Chloride	ND	0.0010	mg/L							
Xylene O	ND	0.0010	mg/L							
Xylene O	ND	0.0010	mg/L							
Xylene P,M	ND	0.0020	mg/L							
Xylene P,M	ND	0.0020	mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0217		mg/L	0.02500		87	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0217		mg/L	0.02500		87	70-130			
Surrogate: 4-Bromofluorobenzene	0.0234		mg/L	0.02500		94	70-130			
Surrogate: 4-Bromofluorobenzene	0.0234		mg/L	0.02500		94	70-130			
Surrogate: Dibromofluoromethane	0.0229		mg/L	0.02500		92	70-130			
Surrogate: Dibromofluoromethane	0.0229		mg/L	0.02500		92	70-130			
Surrogate: Toluene-d8	0.0262		mg/L	0.02500		105	70-130			
Surrogate: Toluene-d8	0.0262		mg/L	0.02500		105	70-130			

LCS

1,1,1,2-Tetrachloroethane	9.77		ug/L	10.00		98	70-130			
1,1,1-Trichloroethane	9.44		ug/L	10.00		94	70-130			
1,1,2,2-Tetrachloroethane	9.63		ug/L	10.00		96	70-130			
1,1,2-Trichloroethane	9.54		ug/L	10.00		95	70-130			
1,1-Dichloroethane	9.48		ug/L	10.00		95	70-130			
1,1-Dichloroethene	9.91		ug/L	10.00		99	70-130			
1,1-Dichloropropene	9.20		ug/L	10.00		92	70-130			
1,2,3-Trichlorobenzene	11.9		ug/L	10.00		119	70-130			
1,2,3-Trichloropropane	9.62		ug/L	10.00		96	70-130			
1,2,4-Trichlorobenzene	11.0		ug/L	10.00		110	70-130			
1,2,4-Trimethylbenzene	9.89		ug/L	10.00		99	70-130			
1,2-Dibromo-3-Chloropropane	10.1		ug/L	10.00		101	70-130			
1,2-Dibromoethane	9.88		ug/L	10.00		99	70-130			
1,2-Dichlorobenzene	10.4		ug/L	10.00		104	70-130			
1,2-Dichloroethane	9.19		ug/L	10.00		92	70-130			
1,2-Dichloropropane	9.82		ug/L	10.00		98	70-130			



CERTIFICATE OF ANALYSIS

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ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01616 - 5030B

1,3,5-Trimethylbenzene	10.1		ug/L	10.00		101	70-130			
1,3-Dichlorobenzene	10.0		ug/L	10.00		100	70-130			
1,3-Dichloropropane	10.0		ug/L	10.00		100	70-130			
1,4-Dichlorobenzene	10.2		ug/L	10.00		102	70-130			
1,4-Dioxane - Screen	353		ug/L	200.0		176	0-332			
1-Chlorohexane	9.81		ug/L	10.00		98	70-130			
2,2-Dichloropropane	9.64		ug/L	10.00		96	70-130			
2-Butanone	56.0		ug/L	50.00		112	70-130			
2-Chlorotoluene	9.97		ug/L	10.00		100	70-130			
2-Hexanone	58.8		ug/L	50.00		118	70-130			
4-Chlorotoluene	9.63		ug/L	10.00		96	70-130			
4-Isopropyltoluene	10.4		ug/L	10.00		104	70-130			
4-Methyl-2-Pentanone	47.0		ug/L	50.00		94	70-130			
Acetone	72.3		ug/L	50.00		145	70-130			B+
Benzene	9.68		ug/L	10.00		97	70-130			
Bromobenzene	9.82		ug/L	10.00		98	70-130			
Bromochloromethane	9.51		ug/L	10.00		95	70-130			
Bromodichloromethane	9.74		ug/L	10.00		97	70-130			
Bromoform	11.3		ug/L	10.00		113	70-130			
Bromomethane	8.81		ug/L	10.00		88	70-130			
Carbon Disulfide	11.7		ug/L	10.00		117	70-130			
Carbon Tetrachloride	9.99		ug/L	10.00		100	70-130			
Chlorobenzene	9.81		ug/L	10.00		98	70-130			
Chloroethane	9.43		ug/L	10.00		94	70-130			
Chloroform	9.37		ug/L	10.00		94	70-130			
Chloromethane	7.86		ug/L	10.00		79	70-130			
cis-1,2-Dichloroethene	9.95		ug/L	10.00		100	70-130			
cis-1,3-Dichloropropene	9.61		ug/L	10.00		96	70-130			
Dibromochloromethane	10.7		ug/L	10.00		107	70-130			
Dibromomethane	9.29		ug/L	10.00		93	70-130			
Dichlorodifluoromethane	7.99		ug/L	10.00		80	70-130			
Diethyl Ether	10.6		ug/L	10.00		106	70-130			
Di-isopropyl ether	9.56		ug/L	10.00		96	70-130			
Ethyl tertiary-butyl ether	8.86		ug/L	10.00		89	70-130			
Ethylbenzene	9.54		ug/L	10.00		95	70-130			
Hexachlorobutadiene	10.5		ug/L	10.00		105	70-130			
Hexachloroethane	12.0		ug/L	10.00		120	70-130			
Isopropylbenzene	8.48		ug/L	10.00		85	70-130			
Methyl tert-Butyl Ether	8.75		ug/L	10.00		88	70-130			
Methylene Chloride	9.82		ug/L	10.00		98	70-130			
Naphthalene	10.6		ug/L	10.00		106	70-130			
n-Butylbenzene	11.2		ug/L	10.00		112	70-130			
n-Propylbenzene	9.85		ug/L	10.00		98	70-130			
sec-Butylbenzene	11.0		ug/L	10.00		110	70-130			
Styrene	9.18		ug/L	10.00		92	70-130			



CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Textron Gorham

ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CH01616 - 5030B										
tert-Butylbenzene	10.7		ug/L	10.00		107	70-130			
Tertiary-amyl methyl ether	8.60		ug/L	10.00		86	70-130			
Tetrachloroethene	9.66		ug/L	10.00		97	70-130			
Tetrahydrofuran	11.2		ug/L	10.00		112	70-130			
Toluene	9.83		ug/L	10.00		98	70-130			
trans-1,2-Dichloroethene	8.82		ug/L	10.00		88	70-130			
trans-1,3-Dichloropropene	8.83		ug/L	10.00		88	70-130			
Trichloroethene	9.44		ug/L	10.00		94	70-130			
Trichlorofluoromethane	8.17		ug/L	10.00		82	70-130			
Vinyl Acetate	11.2		ug/L	10.00		112	70-130			
Vinyl Chloride	8.96		ug/L	10.00		90	70-130			
Xylene O	9.54		ug/L	10.00		95	70-130			
Xylene P,M	19.8		ug/L	20.00		99	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0247		mg/L	0.02500		99	70-130			
Surrogate: 4-Bromofluorobenzene	0.0256		mg/L	0.02500		103	70-130			
Surrogate: Dibromofluoromethane	0.0261		mg/L	0.02500		104	70-130			
Surrogate: Toluene-d8	0.0272		mg/L	0.02500		109	70-130			
LCS Dup										
1,1,1,2-Tetrachloroethane	9.77		ug/L	10.00		98	70-130	0	25	
1,1,1-Trichloroethane	9.28		ug/L	10.00		93	70-130	2	25	
1,1,1,2-Tetrachloroethane	8.99		ug/L	10.00		90	70-130	7	25	
1,1,2-Trichloroethane	9.43		ug/L	10.00		94	70-130	1	25	
1,1-Dichloroethane	9.57		ug/L	10.00		96	70-130	0.9	25	
1,1-Dichloroethene	10.0		ug/L	10.00		100	70-130	1	25	
1,1-Dichloropropene	9.05		ug/L	10.00		90	70-130	2	25	
1,2,3-Trichlorobenzene	10.2		ug/L	10.00		102	70-130	15	25	
1,2,3-Trichloropropane	9.28		ug/L	10.00		93	70-130	4	25	
1,2,4-Trichlorobenzene	9.72		ug/L	10.00		97	70-130	13	25	
1,2,4-Trimethylbenzene	9.15		ug/L	10.00		92	70-130	8	25	
1,2-Dibromo-3-Chloropropane	9.13		ug/L	10.00		91	70-130	10	25	
1,2-Dibromoethane	9.44		ug/L	10.00		94	70-130	5	25	
1,2-Dichlorobenzene	9.42		ug/L	10.00		94	70-130	10	25	
1,2-Dichloroethane	8.85		ug/L	10.00		88	70-130	4	25	
1,2-Dichloropropane	9.39		ug/L	10.00		94	70-130	4	25	
1,3,5-Trimethylbenzene	9.43		ug/L	10.00		94	70-130	7	25	
1,3-Dichlorobenzene	9.29		ug/L	10.00		93	70-130	7	25	
1,3-Dichloropropane	9.41		ug/L	10.00		94	70-130	6	25	
1,4-Dichlorobenzene	9.38		ug/L	10.00		94	70-130	8	25	
1,4-Dioxane - Screen	211		ug/L	200.0		106	0-332	50	200	
1-Chlorohexane	9.28		ug/L	10.00		93	70-130	6	25	
2,2-Dichloropropane	9.53		ug/L	10.00		95	70-130	1	25	
2-Butanone	48.0		ug/L	50.00		96	70-130	15	25	
2-Chlorotoluene	9.22		ug/L	10.00		92	70-130	8	25	
2-Hexanone	47.5		ug/L	50.00		95	70-130	21	25	
4-Chlorotoluene	9.08		ug/L	10.00		91	70-130	6	25	



CERTIFICATE OF ANALYSIS

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ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch CH01616 - 5030B										
4-Isopropyltoluene	9.37		ug/L	10.00		94	70-130	10	25	
4-Methyl-2-Pentanone	44.4		ug/L	50.00		89	70-130	6	25	
Acetone	50.4		ug/L	50.00		101	70-130	36	25	D+
Benzene	9.46		ug/L	10.00		95	70-130	2	25	
Bromobenzene	9.29		ug/L	10.00		93	70-130	6	25	
Bromochloromethane	9.54		ug/L	10.00		95	70-130	0.3	25	
Bromodichloromethane	9.58		ug/L	10.00		96	70-130	2	25	
Bromoform	11.0		ug/L	10.00		110	70-130	3	25	
Bromomethane	8.19		ug/L	10.00		82	70-130	7	25	
Carbon Disulfide	11.5		ug/L	10.00		115	70-130	2	25	
Carbon Tetrachloride	9.70		ug/L	10.00		97	70-130	3	25	
Chlorobenzene	9.68		ug/L	10.00		97	70-130	1	25	
Chloroethane	9.51		ug/L	10.00		95	70-130	0.8	25	
Chloroform	9.32		ug/L	10.00		93	70-130	0.5	25	
Chloromethane	7.44		ug/L	10.00		74	70-130	5	25	
cis-1,2-Dichloroethene	9.53		ug/L	10.00		95	70-130	4	25	
cis-1,3-Dichloropropene	9.26		ug/L	10.00		93	70-130	4	25	
Dibromochloromethane	10.2		ug/L	10.00		102	70-130	5	25	
Dibromomethane	9.11		ug/L	10.00		91	70-130	2	25	
Dichlorodifluoromethane	7.77		ug/L	10.00		78	70-130	3	25	
Diethyl Ether	10.3		ug/L	10.00		103	70-130	3	25	
Di-isopropyl ether	9.17		ug/L	10.00		92	70-130	4	25	
Ethyl tertiary-butyl ether	8.67		ug/L	10.00		87	70-130	2	25	
Ethylbenzene	9.30		ug/L	10.00		93	70-130	3	25	
Hexachlorobutadiene	9.73		ug/L	10.00		97	70-130	8	25	
Hexachloroethane	10.6		ug/L	10.00		106	70-130	12	25	
Isopropylbenzene	7.84		ug/L	10.00		78	70-130	8	25	
Methyl tert-Butyl Ether	8.75		ug/L	10.00		88	70-130	0	25	
Methylene Chloride	9.58		ug/L	10.00		96	70-130	2	25	
Naphthalene	8.92		ug/L	10.00		89	70-130	17	25	
n-Butylbenzene	10.2		ug/L	10.00		102	70-130	10	25	
n-Propylbenzene	8.93		ug/L	10.00		89	70-130	10	25	
sec-Butylbenzene	9.93		ug/L	10.00		99	70-130	11	25	
Styrene	8.81		ug/L	10.00		88	70-130	4	25	
tert-Butylbenzene	9.42		ug/L	10.00		94	70-130	12	25	
Tertiary-amyl methyl ether	8.24		ug/L	10.00		82	70-130	4	25	
Tetrachloroethene	9.95		ug/L	10.00		100	70-130	3	25	
Tetrahydrofuran	10.3		ug/L	10.00		103	70-130	8	25	
Toluene	9.40		ug/L	10.00		94	70-130	4	25	
trans-1,2-Dichloroethene	8.75		ug/L	10.00		88	70-130	0.8	25	
trans-1,3-Dichloropropene	8.58		ug/L	10.00		86	70-130	3	25	
Trichloroethene	9.24		ug/L	10.00		92	70-130	2	25	
Trichlorofluoromethane	8.15		ug/L	10.00		82	70-130	0.2	25	
Vinyl Acetate	11.2		ug/L	10.00		112	70-130	0.09	25	
Vinyl Chloride	8.99		ug/L	10.00		90	70-130	0.3	25	



CERTIFICATE OF ANALYSIS

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ESS Laboratory Work Order: 1008142

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CH01616 - 5030B

Xylene O	9.32		ug/L	10.00		93	70-130	2	25	
Xylene P,M	19.2		ug/L	20.00		96	70-130	3	25	
Surrogate: 1,2-Dichloroethane-d4	0.0252		mg/L	0.02500		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.0260		mg/L	0.02500		104	70-130			
Surrogate: Dibromofluoromethane	0.0265		mg/L	0.02500		106	70-130			
Surrogate: Toluene-d8	0.0275		mg/L	0.02500		110	70-130			



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Notes and Definitions

- U Analyte included in the analysis, but not detected
- PH+ pH > 2 (PH+)
- M- Matrix Spike recovery is below lower control limit (M-).
- J Reported between MDL and MRL; Estimated value.
- E Reported above the quantitation limit; Estimated value (E).
- D+ Relative percent difference for duplicate is outside of criteria (D+).
- D Diluted.
- C- Continuing Calibration recovery is below lower control limit (C-).
- B+ Blank Spike recovery is above upper control limit (B+).
- B Present in Method Blank (B).
- ND Analyte NOT DETECTED above the detection limit (LOD for DoD Reports)
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- LOD Limit of Detection
- [CALC] Calculated Analyte



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ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)

A2LA Accredited: Testing Cert# 2864.01
<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179
<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/out_state.pdf

Maine Potable and Non Potable Water: RI0002
http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002
<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
<http://www4.egov.nh.gov/des/nhelap/namesearch.asp>

New York (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 11313
<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301
http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

South Carolina Volatile Organic Compounds in Potable Water: 78003

New Jersey Potable (VOA) and Non Potable Water (RCRA), Solids and Hazardous Waste: RI002
<http://www.nj.gov/dep/oqa/certlabs.htm>

Pennsylvania Potable and Non Potable Water, Solid and Hazardous Waste: 68-01752
http://files.dep.state.pa.us/RegionalResources/Labs/LabsPortalFiles/2009-0911_accruited_laboratories.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01
Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)
<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141
Lead Paint, Lead in Children's Metals Jewelry
<http://www.cpsc.gov/cgi-bin/labapplist.aspx>

Sample and Cooler Receipt Checklist

Client: Mactec
 Client Project ID: _____
 Shipped/Delivered Via: Client

ESS Project ID: 10080142
 Date Project Due: 8/17/10
 Days For Project: 5 Day

Items to be checked upon receipt:

- 1. Air Bill Manifest Present? * No
- Air No.: _____
- 2. Were Custody Seals Present? No
- 3. Were Custody Seals Intact? N/A
- 4. Is Radiation count < 100 CPM? Yes
- 5. Is a cooler present? Yes
- Cooler Temp: 5.4
- Iced With: Icepacks
- 6. Was COC included with samples? Yes
- 7. Was COC signed and dated by client? Yes
- 8. Does the COC match the sample Yes
- 9. Is COC complete and correct? Yes

- 10. Are the samples properly preserved? Yes
- 11. Proper sample containers used? Yes
- 12. Any air bubbles in the VOA vials? No
- 13. Holding times exceeded? No
- 14. Sufficient sample volumes? Yes
- 15. Any Subcontracting needed? No
- 16. Are ESS labels on correct containers? Yes No
- 17. Were samples received intact? Yes No
- ESS Sample IDs: _____
- Sub Lab: _____
- Analysis: _____
- TAT: _____

18. Was there need to call project manager to discuss status? If yes, please explain.

Who was called?: _____ By whom? _____



Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	40 ml - VOA	3	HCL
2	Yes	40 ml - VOA	3	HCL
3	Yes	40 ml - VOA	3	HCL
4	Yes	40 ml - VOA	3	HCL
5	Yes	40 ml - VOA	3	HCL
6	Yes	40 ml - VOA	3	HCL
7	Yes	40 ml - VOA	3	HCL
8	Yes	40 ml - VOA	3	HCL
9	Yes	40 ml - VOA	3	HCL
10	Yes	40 ml - VOA	3	HCL
11	Yes	40 ml - VOA	3	HCL
12	Yes	40 ml - VOA	2	HCL

Completed By: LAS Date/Time: 8/10/10
 Reviewed By: _____ Date/Time: 8/10/10

010080142-10
 Preservative: HCL

 010000000374879
 010080142-11
 Preservative: HCL

 010000000374880

010080142-11
 Preservative: HCL

 010000000374881
 010080142-11
 Preservative: HCL

 010000000374882

010080142-12
 Preservative: HCL

 010000000374882
 010080142-12
 Preservative: HCL

 010000000374884

ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 2

Turn Time Standard Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA (R) CT NH NJ NY ME Other _____
 Is this project for any of the following:
 MA-MCP Navy USACE Other _____
 Reporting Limits **RI GWA**
 Electronic Deliverable Yes No _____
 Format: Excel ___ Access ___ PDF ___ Other **EDS**

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Circle and/or Write Required Analysis
01	8/9/10	13:05	X	GW	GW	GWMW239	2	3	V	8100 DRO 8015 EPH EPA w/PAHs, 4 Dred 8081 8082 608 PCB Residues PCB 8270 PAH 8270 SVOA
02	8/9/10	13:35	X	GW	GW	GWMW240	2	3	V	8100 DRO 8015 EPH EPA w/PAHs, 4 Dred 8081 8082 608 PCB Residues PCB 8270 PAH 8270 SVOA
03	8/9/10	15:50	X	GW	GW	GWMW236S	2	3	V	8100 DRO 8015 EPH EPA w/PAHs, 4 Dred 8081 8082 608 PCB Residues PCB 8270 PAH 8270 SVOA
04	8/9/10	15:50	X	GW	GW	GWMW236SDUP	2	3	V	8100 DRO 8015 EPH EPA w/PAHs, 4 Dred 8081 8082 608 PCB Residues PCB 8270 PAH 8270 SVOA
05	8/9/10	15:50	X	GW	GW	GWMW236SMS	2	3	V	8100 DRO 8015 EPH EPA w/PAHs, 4 Dred 8081 8082 608 PCB Residues PCB 8270 PAH 8270 SVOA
06	8/9/10	16:55	X	GW	GW	GWMW236D	2	3	V	8100 DRO 8015 EPH EPA w/PAHs, 4 Dred 8081 8082 608 PCB Residues PCB 8270 PAH 8270 SVOA
07	8/10/10	09:00	X	GW	GW	GWMW241	2	3	V	8100 DRO 8015 EPH EPA w/PAHs, 4 Dred 8081 8082 608 PCB Residues PCB 8270 PAH 8270 SVOA
08	8/10/10	11:50	X	GW	GW	GWMW241	2	3	V	8100 DRO 8015 EPH EPA w/PAHs, 4 Dred 8081 8082 608 PCB Residues PCB 8270 PAH 8270 SVOA
09	8/10/10	14:30	X	GW	GW	GWMW238D	2	3	V	8100 DRO 8015 EPH EPA w/PAHs, 4 Dred 8081 8082 608 PCB Residues PCB 8270 PAH 8270 SVOA

Project # **3650100169** Project Name (20 Char. or less) **Texton Gorham**
 Address **107 Audeben Rd. Bld 2 Suite 301** PO# _____
 City **Wakefield** State **MA** Zip **01880** Email Address **DEHeislein@madep.com**
 Telephone # **781-245-6606** Fax # _____
 Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters
 Container Type: P-Poly G-Glass S-Sterile V-VOA
 Cooler Present ___ Yes ___ No ___ Internal Use Only
 Seals Intact Yes ___ No NA: ___ | | Pickup
 Cooler Temp: **5.4** | | Technicians _____
 Preservation Code 1- NP, 2- HCl, 3- H₂SO₄, 4- HNO₃, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
 Sampled by: **Mark Maggioro** 339-927-3797
 Comments: _____
 Relinquished by: (Signature) *[Signature]* Date/Time **8/10/10 15:45** Relinquished by: (Signature) _____ Date/Time _____
 Relinquished by: (Signature) *[Signature]* Date/Time **8/10/10 15:45** Relinquished by: (Signature) _____ Date/Time _____

CHAIN OF CUSTODY

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 www.esslaboratory.com

Turn Time Standard Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA RI CT NH NJ NY ME Other _____
 Is this project for any of the following:
 MA-MCP Navy USACE Other _____

Reporting Limits
REGWA
 Electronic Deliverable Yes No
 Format: Excel Access PDF Other **EDA**

Co. Name	Project #	Project Name (20 Char. or less)	Number of Containers	Type of Containers	8260 YOA	8021 VPH	8015 GRO	8100 DRO	8081 EPH	8082 EPH	8082 EPH	8270 PAH	8270 SVOA	RCRA5 RCRA8	RCRA8 PP13	TAL23	TCLP-RCRA8	NBC7	MCP-METALS (13)	MCP-METALS (13)
Macle Engineering & Consulting	365000169	Texton Garham	2	3	✓															
David Heistein (CPM)	107	Achubon Rd. Bldg 2501301	2	2	✓															
W. Keefe	01870																			
781-245-6606																				
09	8/10/10	14:50	X	6	G	M	M	2385												
10	8/10/10	15:00	X	6	G	W	T	B	01											

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present Yes No Internal Use Only

Seals Intact Yes No NA: Pickup Technicians

Cooler Temp: **5.4**

Sampled by: **Mark Maggione** 339-927-3777

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	8/10/10 15:45	<i>[Signature]</i>	8/10/10 15:45
<i>[Signature]</i>			