



## ANALYTICAL REPORT

Lab Number:	L0704071
Client:	EA Engineering, Science and Tech 2350 Post Road Warwick, RI 02886
ATTN:	Peter Grivers
Project Name:	GORHAM SCHOOL
Project Number:	6196501
Report Date:	04/09/07

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (200305), NJ (MA935), RI (LAO00065), ME (2006012), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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**Project Name:** GORHAM SCHOOL  
**Project Number:** 6196501

**Lab Number:** L0704071  
**Report Date:** 04/09/07

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>
L0704071-01	MP-5	PROVIDENCE, RI
L0704071-02	MP-7	PROVIDENCE, RI
L0704071-03	MP-8	PROVIDENCE, RI
L0704071-04	MP-6	PROVIDENCE, RI
L0704071-05	MP-3	PROVIDENCE, RI
L0704071-06	MP-2	PROVIDENCE, RI
L0704071-07	MP-1	PROVIDENCE, RI
L0704071-08	MP-4	PROVIDENCE, RI

**Project Name:** GORHAM SCHOOL  
**Project Number:** 6196501

**Lab Number:** L0704071  
**Report Date:** 04/09/07

### Case Narrative

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

#### Volatile Organic Compounds in Air

L0704071-01 through -08: The canisters were pressurized with UHP Nitrogen due to high compound concentrations. The addition of Nitrogen resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

The following samples have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples:

L0704071-01, -02, -04, -05, -06, -07, -08: 25x

L0704071-03: 10x

Re-analysis on dilution was required in order to quantitate samples within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis.

The re-analysis was performed only for the compound which exceeded the range of the calibration. The dilutions are as follows:

L0704071-01: 1068x

L0704071-02: 675.7x

L0704071-03: 5208x

L0704071-04: 10680x

L0704071-05: 20830x

L0704071-06: 5259x

L0704071-07: 1538x

L0704071-08: 1107x

Further Re-analysis on dilution was required in order to quantitate samples within the range of the calibration.

The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration.

The dilutions are as follows:

L0704071-01: 10680x

**Project Name:** GORHAM SCHOOL  
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**Case Narrative (continued)**

L0704071-04: 53420x

L0704071-07: 7688x

L0704071-08: 5536x

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Title: Technical Director

Date: 04/09/07

# AIR

Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-01  
 Client ID: MP-5  
 Sample Location: PROVIDENCE, RI  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/31/07 00:19  
 Analyst:

Date Collected: 03/22/07 11:25  
 Date Received: 03/23/07  
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	ND	12.5	ND	68.1		25
1,1,2,2-Tetrachloroethane	ND	12.5	ND	85.7		25
1,1,2-Trichloroethane	ND	12.5	ND	68.1		25
1,1-Dichloroethane	ND	12.5	ND	50.6		25
1,1-Dichloroethene	ND	12.5	ND	49.5		25
1,2,4-Trimethylbenzene	ND	12.5	ND	61.4		25
1,2-Dibromoethane	ND	12.5	ND	96.0		25
1,2-Dichlorobenzene	ND	12.5	ND	75.1		25
1,2-Dichloroethane	ND	12.5	ND	50.6		25
1,2-Dichloropropane	ND	12.5	ND	57.7		25
1,3,5-Trimethylbenzene	ND	12.5	ND	61.4		25
1,3-Dichlorobenzene	ND	12.5	ND	75.1		25
1,4-Dichlorobenzene	ND	12.5	ND	75.1		25
2-Butanone	>2500	12.5	>7373	36.8		25
Acetone	>2500	50	>5938	119		25
Benzene	ND	12.5	ND	39.9		25
Bromodichloromethane	ND	12.5	ND	83.7		25
Bromoform	ND	12.5	ND	129.		25
Carbon tetrachloride	ND	12.5	ND	78.6		25
Chlorobenzene	ND	12.5	ND	57.5		25
Chloroethane	ND	12.5	ND	33.0		25
Chloroform	ND	12.5	ND	61.0		25
Chloromethane	ND	12.5	ND	25.8		25
cis-1,2-Dichloroethene	ND	12.5	ND	49.5		25
cis-1,3-Dichloropropene	ND	12.5	ND	56.7		25



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-01

Date Collected: 03/22/07 11:25

Client ID: MP-5

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Dibromochloromethane	ND	12.5	ND	106.		25
Dichlorodifluoromethane	ND	25.0	ND	124.		25
Ethylbenzene	ND	12.5	ND	54.2		25
Methylene chloride	ND	25.0	ND	86.8		25
4-Methyl-2-pentanone	ND	12.5	ND	51.2		25
Methyl tert butyl ether	ND	12.5	ND	45.0		25
p/m-Xylene	ND	25.0	ND	108.		25
o-Xylene	ND	12.5	ND	54.2		25
Styrene	ND	12.5	ND	53.2		25
Tetrachloroethene	ND	12.5	ND	84.7		25
Toluene	ND	12.5	ND	47.1		25
trans-1,2-Dichloroethene	ND	12.5	ND	49.5		25
trans-1,3-Dichloropropene	ND	12.5	ND	56.7		25
Trichloroethene	ND	12.5	ND	67.1		25
Trichlorofluoromethane	ND	12.5	ND	70.2		25
Vinyl chloride	ND	12.5	ND	31.9		25
Acrylonitrile	ND	12.5	ND	27.1		25
1,1,1,2-Tetrachloroethane	ND	12.5	ND	85.7		25
Isopropylbenzene	ND	12.5	ND	61.4		25
n-Butylbenzene	ND	12.5	ND	68.6		25
sec-Butylbenzene	ND	12.5	ND	68.6		25
p-Isopropyltoluene	ND	12.5	ND	68.6		25



**Project Name:** GORHAM SCHOOL**Lab Number:** L0704071**Project Number:** 6196501**Report Date:** 04/09/07**SAMPLE RESULTS**

Lab ID: L0704071-01 R

Date Collected: 03/22/07 11:25

Client ID: MP-5

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/02/07 13:47

Analyst:

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Acetone	23000	2140	54700	5070		1068





**Project Name:** GORHAM SCHOOL**Lab Number:** L0704071**Project Number:** 6196501**Report Date:** 04/09/07**SAMPLE RESULTS**

Lab ID: L0704071-01 R2

Date Collected: 03/22/07 11:25

Client ID: MP-5

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/02/07 17:13

Analyst:

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
2-Butanone	251000	5340	739000	15700		10680



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-02  
 Client ID: MP-7  
 Sample Location: PROVIDENCE, RI  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/31/07 00:53  
 Analyst:

Date Collected: 03/22/07 11:25  
 Date Received: 03/23/07  
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	ND	12.5	ND	68.1		25
1,1,2,2-Tetrachloroethane	ND	12.5	ND	85.7		25
1,1,2-Trichloroethane	ND	12.5	ND	68.1		25
1,1-Dichloroethane	ND	12.5	ND	50.6		25
1,1-Dichloroethene	ND	12.5	ND	49.5		25
1,2,4-Trimethylbenzene	ND	12.5	ND	61.4		25
1,2-Dibromoethane	ND	12.5	ND	96.0		25
1,2-Dichlorobenzene	ND	12.5	ND	75.1		25
1,2-Dichloroethane	ND	12.5	ND	50.6		25
1,2-Dichloropropane	ND	12.5	ND	57.7		25
1,3,5-Trimethylbenzene	ND	12.5	ND	61.4		25
1,3-Dichlorobenzene	ND	12.5	ND	75.1		25
1,4-Dichlorobenzene	ND	12.5	ND	75.1		25
2-Butanone	>2500	12.5	>7373	36.8		25
Acetone	1010	50.0	2390	119		25
Benzene	ND	12.5	ND	39.9		25
Bromodichloromethane	ND	12.5	ND	83.7		25
Bromoform	ND	12.5	ND	129.		25
Carbon tetrachloride	ND	12.5	ND	78.6		25
Chlorobenzene	ND	12.5	ND	57.5		25
Chloroethane	ND	12.5	ND	33.0		25
Chloroform	ND	12.5	ND	61.0		25
Chloromethane	ND	12.5	ND	25.8		25
cis-1,2-Dichloroethene	ND	12.5	ND	49.5		25
cis-1,3-Dichloropropene	ND	12.5	ND	56.7		25



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-02

Date Collected: 03/22/07 11:25

Client ID: MP-7

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Dibromochloromethane	ND	12.5	ND	106.		25
Dichlorodifluoromethane	ND	25.0	ND	124.		25
Ethylbenzene	ND	12.5	ND	54.2		25
Methylene chloride	ND	25.0	ND	86.8		25
4-Methyl-2-pentanone	ND	12.5	ND	51.2		25
Methyl tert butyl ether	ND	12.5	ND	45.0		25
p/m-Xylene	ND	25.0	ND	108.		25
o-Xylene	ND	12.5	ND	54.2		25
Styrene	ND	12.5	ND	53.2		25
Tetrachloroethene	ND	12.5	ND	84.7		25
Toluene	ND	12.5	ND	47.1		25
trans-1,2-Dichloroethene	ND	12.5	ND	49.5		25
trans-1,3-Dichloropropene	ND	12.5	ND	56.7		25
Trichloroethene	ND	12.5	ND	67.1		25
Trichlorofluoromethane	ND	12.5	ND	70.2		25
Vinyl chloride	ND	12.5	ND	31.9		25
Acrylonitrile	ND	12.5	ND	27.1		25
1,1,1,2-Tetrachloroethane	ND	12.5	ND	85.7		25
Isopropylbenzene	ND	12.5	ND	61.4		25
n-Butylbenzene	ND	12.5	ND	68.6		25
sec-Butylbenzene	ND	12.5	ND	68.6		25
p-Isopropyltoluene	ND	12.5	ND	68.6		25



**Project Name:** GORHAM SCHOOL**Lab Number:** L0704071**Project Number:** 6196501**Report Date:** 04/09/07**SAMPLE RESULTS**

Lab ID: L0704071-02 R2

Date Collected: 03/22/07 11:25

Client ID: MP-7

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/02/07 17:47

Analyst:

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
2-Butanone	17600	338	51900	996		675.7



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-03  
 Client ID: MP-8  
 Sample Location: PROVIDENCE, RI  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/31/07 01:26  
 Analyst:

Date Collected: 03/22/07 12:15  
 Date Received: 03/23/07  
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	ND	5.00	ND	27.2		10
1,1,2,2-Tetrachloroethane	ND	5.00	ND	34.3		10
1,1,2-Trichloroethane	ND	5.00	ND	27.2		10
1,1-Dichloroethane	ND	5.00	ND	20.2		10
1,1-Dichloroethene	ND	5.00	ND	19.8		10
1,2,4-Trimethylbenzene	ND	5.00	ND	24.6		10
1,2-Dibromoethane	ND	5.00	ND	38.4		10
1,2-Dichlorobenzene	ND	5.00	ND	30.0		10
1,2-Dichloroethane	ND	5.00	ND	20.2		10
1,2-Dichloropropane	ND	5.00	ND	23.1		10
1,3,5-Trimethylbenzene	ND	5.00	ND	24.6		10
1,3-Dichlorobenzene	ND	5.00	ND	30.0		10
1,4-Dichlorobenzene	ND	5.00	ND	30.0		10
2-Butanone	>1000	5	>2949	14.7		10
Acetone	>1000	20	>2375	47.5		10
Benzene	ND	5.00	ND	16.0		10
Bromodichloromethane	ND	5.00	ND	33.5		10
Bromoform	ND	5.00	ND	51.6		10
Carbon tetrachloride	ND	5.00	ND	31.4		10
Chlorobenzene	ND	5.00	ND	23.0		10
Chloroethane	ND	5.00	ND	13.2		10
Chloroform	ND	5.00	ND	24.4		10
Chloromethane	ND	5.00	ND	10.3		10
cis-1,2-Dichloroethene	ND	5.00	ND	19.8		10
cis-1,3-Dichloropropene	ND	5.00	ND	22.7		10



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-03

Date Collected: 03/22/07 12:15

Client ID: MP-8

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Dibromochloromethane	ND	5.00	ND	42.6		10
Dichlorodifluoromethane	ND	10.0	ND	49.4		10
Ethylbenzene	ND	5.00	ND	21.7		10
Methylene chloride	ND	10.0	ND	34.7		10
4-Methyl-2-pentanone	ND	5.00	ND	20.5		10
Methyl tert butyl ether	ND	5.00	ND	18.0		10
p/m-Xylene	ND	10.0	ND	43.4		10
o-Xylene	ND	5.00	ND	21.7		10
Styrene	ND	5.00	ND	21.3		10
Tetrachloroethene	ND	5.00	ND	33.9		10
Toluene	ND	5.00	ND	18.8		10
trans-1,2-Dichloroethene	ND	5.00	ND	19.8		10
trans-1,3-Dichloropropene	ND	5.00	ND	22.7		10
Trichloroethene	ND	5.00	ND	26.8		10
Trichlorofluoromethane	ND	5.00	ND	28.1		10
Vinyl chloride	ND	5.00	ND	12.8		10
Acrylonitrile	ND	5.00	ND	10.8		10
1,1,1,2-Tetrachloroethane	ND	5.00	ND	34.3		10
Isopropylbenzene	ND	5.00	ND	24.6		10
n-Butylbenzene	ND	5.00	ND	27.4		10
sec-Butylbenzene	ND	5.00	ND	27.4		10
p-Isopropyltoluene	ND	5.00	ND	27.4		10



**Project Name:** GORHAM SCHOOL**Lab Number:** L0704071**Project Number:** 6196501**Report Date:** 04/09/07**SAMPLE RESULTS**

Lab ID: L0704071-03 R

Date Collected: 03/22/07 12:15

Client ID: MP-8

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/02/07 14:56

Analyst:

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
2-Butanone	121000	2600	357000	7670		5208
Acetone	21100	10400	50100	24700		5208



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-04  
 Client ID: MP-6  
 Sample Location: PROVIDENCE, RI  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/31/07 02:01  
 Analyst:

Date Collected: 03/22/07 13:30  
 Date Received: 03/23/07  
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	ND	12.5	ND	68.1		25
1,1,2,2-Tetrachloroethane	ND	12.5	ND	85.7		25
1,1,2-Trichloroethane	ND	12.5	ND	68.1		25
1,1-Dichloroethane	ND	12.5	ND	50.6		25
1,1-Dichloroethene	ND	12.5	ND	49.5		25
1,2,4-Trimethylbenzene	ND	12.5	ND	61.4		25
1,2-Dibromoethane	ND	12.5	ND	96.0		25
1,2-Dichlorobenzene	ND	12.5	ND	75.1		25
1,2-Dichloroethane	ND	12.5	ND	50.6		25
1,2-Dichloropropane	ND	12.5	ND	57.7		25
1,3,5-Trimethylbenzene	ND	12.5	ND	61.4		25
1,3-Dichlorobenzene	ND	12.5	ND	75.1		25
1,4-Dichlorobenzene	ND	12.5	ND	75.1		25
2-Butanone	>2500	12.5	>7373	36.8		25
Acetone	>2500	50	>5938	119		25
Benzene	ND	12.5	ND	39.9		25
Bromodichloromethane	ND	12.5	ND	83.7		25
Bromoform	ND	12.5	ND	129.		25
Carbon tetrachloride	ND	12.5	ND	78.6		25
Chlorobenzene	ND	12.5	ND	57.5		25
Chloroethane	ND	12.5	ND	33.0		25
Chloroform	ND	12.5	ND	61.0		25
Chloromethane	ND	12.5	ND	25.8		25
cis-1,2-Dichloroethene	ND	12.5	ND	49.5		25
cis-1,3-Dichloropropene	ND	12.5	ND	56.7		25





Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-04

Date Collected: 03/22/07 13:30

Client ID: MP-6

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Dibromochloromethane	ND	12.5	ND	106.		25
Dichlorodifluoromethane	ND	25.0	ND	124.		25
Ethylbenzene	ND	12.5	ND	54.2		25
Methylene chloride	ND	25.0	ND	86.8		25
4-Methyl-2-pentanone	ND	12.5	ND	51.2		25
Methyl tert butyl ether	ND	12.5	ND	45.0		25
p/m-Xylene	ND	25.0	ND	108.		25
o-Xylene	ND	12.5	ND	54.2		25
Styrene	ND	12.5	ND	53.2		25
Tetrachloroethene	ND	12.5	ND	84.7		25
Toluene	ND	12.5	ND	47.1		25
trans-1,2-Dichloroethene	ND	12.5	ND	49.5		25
trans-1,3-Dichloropropene	ND	12.5	ND	56.7		25
Trichloroethene	ND	12.5	ND	67.1		25
Trichlorofluoromethane	ND	12.5	ND	70.2		25
Vinyl chloride	ND	12.5	ND	31.9		25
Acrylonitrile	ND	12.5	ND	27.1		25
1,1,1,2-Tetrachloroethane	ND	12.5	ND	85.7		25
Isopropylbenzene	ND	12.5	ND	61.4		25
n-Butylbenzene	ND	12.5	ND	68.6		25
sec-Butylbenzene	ND	12.5	ND	68.6		25
p-Isopropyltoluene	ND	12.5	ND	68.6		25



**Project Name:** GORHAM SCHOOL**Lab Number:** L0704071**Project Number:** 6196501**Report Date:** 04/09/07**SAMPLE RESULTS**

Lab ID: L0704071-04 R

Date Collected: 03/22/07 13:30

Client ID: MP-6

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/02/07 15:30

Analyst:

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Acetone	557000	21400	1320000	50700		10680



**Project Name:** GORHAM SCHOOL**Lab Number:** L0704071**Project Number:** 6196501**Report Date:** 04/09/07**SAMPLE RESULTS**

Lab ID: L0704071-04 R2

Date Collected: 03/22/07 13:30

Client ID: MP-6

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/02/07 18:22

Analyst:

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
2-Butanone	1740000	26700	5120000	78700		53420



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-05  
 Client ID: MP-3  
 Sample Location: PROVIDENCE, RI  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/31/07 02:35  
 Analyst:

Date Collected: 03/22/07 14:50  
 Date Received: 03/23/07  
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	ND	12.5	ND	68.1		25
1,1,2,2-Tetrachloroethane	ND	12.5	ND	85.7		25
1,1,2-Trichloroethane	ND	12.5	ND	68.1		25
1,1-Dichloroethane	ND	12.5	ND	50.6		25
1,1-Dichloroethene	ND	12.5	ND	49.5		25
1,2,4-Trimethylbenzene	ND	12.5	ND	61.4		25
1,2-Dibromoethane	ND	12.5	ND	96.0		25
1,2-Dichlorobenzene	ND	12.5	ND	75.1		25
1,2-Dichloroethane	ND	12.5	ND	50.6		25
1,2-Dichloropropane	ND	12.5	ND	57.7		25
1,3,5-Trimethylbenzene	ND	12.5	ND	61.4		25
1,3-Dichlorobenzene	ND	12.5	ND	75.1		25
1,4-Dichlorobenzene	ND	12.5	ND	75.1		25
2-Butanone	>2500	12.5	>7373	36.8		25
Acetone	>2500	50	>5938	119		25
Benzene	ND	12.5	ND	39.9		25
Bromodichloromethane	ND	12.5	ND	83.7		25
Bromoform	ND	12.5	ND	129.		25
Carbon tetrachloride	ND	12.5	ND	78.6		25
Chlorobenzene	ND	12.5	ND	57.5		25
Chloroethane	ND	12.5	ND	33.0		25
Chloroform	ND	12.5	ND	61.0		25
Chloromethane	ND	12.5	ND	25.8		25
cis-1,2-Dichloroethene	ND	12.5	ND	49.5		25
cis-1,3-Dichloropropene	ND	12.5	ND	56.7		25



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-05

Date Collected: 03/22/07 14:50

Client ID: MP-3

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Dibromochloromethane	ND	12.5	ND	106.		25
Dichlorodifluoromethane	ND	25.0	ND	124.		25
Ethylbenzene	ND	12.5	ND	54.2		25
Methylene chloride	ND	25.0	ND	86.8		25
4-Methyl-2-pentanone	ND	12.5	ND	51.2		25
Methyl tert butyl ether	ND	12.5	ND	45.0		25
p/m-Xylene	ND	25.0	ND	108.		25
o-Xylene	ND	12.5	ND	54.2		25
Styrene	ND	12.5	ND	53.2		25
Tetrachloroethene	ND	12.5	ND	84.7		25
Toluene	ND	12.5	ND	47.1		25
trans-1,2-Dichloroethene	ND	12.5	ND	49.5		25
trans-1,3-Dichloropropene	ND	12.5	ND	56.7		25
Trichloroethene	ND	12.5	ND	67.1		25
Trichlorofluoromethane	ND	12.5	ND	70.2		25
Vinyl chloride	ND	12.5	ND	31.9		25
Acrylonitrile	ND	12.5	ND	27.1		25
1,1,1,2-Tetrachloroethane	ND	12.5	ND	85.7		25
Isopropylbenzene	ND	12.5	ND	61.4		25
n-Butylbenzene	ND	12.5	ND	68.6		25
sec-Butylbenzene	ND	12.5	ND	68.6		25
p-Isopropyltoluene	ND	12.5	ND	68.6		25



**Project Name:** GORHAM SCHOOL**Lab Number:** L0704071**Project Number:** 6196501**Report Date:** 04/09/07**SAMPLE RESULTS**

Lab ID: L0704071-05 R

Date Collected: 03/22/07 14:50

Client ID: MP-3

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/02/07 16:05

Analyst:

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
2-Butanone	1220000	10400	3590000	30700		20830
Acetone	246000	41700	583000	98900		20830



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-06  
 Client ID: MP-2  
 Sample Location: PROVIDENCE, RI  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 03/31/07 03:09  
 Analyst:

Date Collected: 03/22/07 16:35  
 Date Received: 03/23/07  
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	ND	12.5	ND	68.1		25
1,1,2,2-Tetrachloroethane	ND	12.5	ND	85.7		25
1,1,2-Trichloroethane	ND	12.5	ND	68.1		25
1,1-Dichloroethane	ND	12.5	ND	50.6		25
1,1-Dichloroethene	ND	12.5	ND	49.5		25
1,2,4-Trimethylbenzene	ND	12.5	ND	61.4		25
1,2-Dibromoethane	ND	12.5	ND	96.0		25
1,2-Dichlorobenzene	ND	12.5	ND	75.1		25
1,2-Dichloroethane	ND	12.5	ND	50.6		25
1,2-Dichloropropane	ND	12.5	ND	57.7		25
1,3,5-Trimethylbenzene	ND	12.5	ND	61.4		25
1,3-Dichlorobenzene	ND	12.5	ND	75.1		25
1,4-Dichlorobenzene	ND	12.5	ND	75.1		25
2-Butanone	>2500	12.5	>7373	36.8		25
Acetone	>2500	50	>5938	119		25
Benzene	ND	12.5	ND	39.9		25
Bromodichloromethane	ND	12.5	ND	83.7		25
Bromoform	ND	12.5	ND	129.		25
Carbon tetrachloride	ND	12.5	ND	78.6		25
Chlorobenzene	ND	12.5	ND	57.5		25
Chloroethane	ND	12.5	ND	33.0		25
Chloroform	ND	12.5	ND	61.0		25
Chloromethane	ND	12.5	ND	25.8		25
cis-1,2-Dichloroethene	ND	12.5	ND	49.5		25
cis-1,3-Dichloropropene	ND	12.5	ND	56.7		25



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-06

Date Collected: 03/22/07 16:35

Client ID: MP-2

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Dibromochloromethane	ND	12.5	ND	106.		25
Dichlorodifluoromethane	ND	25.0	ND	124.		25
Ethylbenzene	ND	12.5	ND	54.2		25
Methylene chloride	ND	25.0	ND	86.8		25
4-Methyl-2-pentanone	ND	12.5	ND	51.2		25
Methyl tert butyl ether	ND	12.5	ND	45.0		25
p/m-Xylene	ND	25.0	ND	108.		25
o-Xylene	ND	12.5	ND	54.2		25
Styrene	ND	12.5	ND	53.2		25
Tetrachloroethene	ND	12.5	ND	84.7		25
Toluene	ND	12.5	ND	47.1		25
trans-1,2-Dichloroethene	ND	12.5	ND	49.5		25
trans-1,3-Dichloropropene	ND	12.5	ND	56.7		25
Trichloroethene	ND	12.5	ND	67.1		25
Trichlorofluoromethane	ND	12.5	ND	70.2		25
Vinyl chloride	ND	12.5	ND	31.9		25
Acrylonitrile	ND	12.5	ND	27.1		25
1,1,1,2-Tetrachloroethane	ND	12.5	ND	85.7		25
Isopropylbenzene	ND	12.5	ND	61.4		25
n-Butylbenzene	ND	12.5	ND	68.6		25
sec-Butylbenzene	ND	12.5	ND	68.6		25
p-Isopropyltoluene	ND	12.5	ND	68.6		25





**Project Name:** GORHAM SCHOOL**Lab Number:** L0704071**Project Number:** 6196501**Report Date:** 04/09/07**SAMPLE RESULTS**

Lab ID: L0704071-06 R

Date Collected: 03/22/07 16:35

Client ID: MP-2

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/02/07 16:39

Analyst:

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
2-Butanone	402000	2630	1180000	7750		5259
Acetone	39400	10500	93600	25000		5259



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-07  
 Client ID: MP-1  
 Sample Location: PROVIDENCE, RI  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 04/01/07 15:10  
 Analyst:

Date Collected: 03/22/07 16:40  
 Date Received: 03/23/07  
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	ND	12.5	ND	68.1		25
1,1,2,2-Tetrachloroethane	ND	12.5	ND	85.7		25
1,1,2-Trichloroethane	ND	12.5	ND	68.1		25
1,1-Dichloroethane	ND	12.5	ND	50.6		25
1,1-Dichloroethene	ND	12.5	ND	49.5		25
1,2,4-Trimethylbenzene	ND	12.5	ND	61.4		25
1,2-Dibromoethane	ND	12.5	ND	96.0		25
1,2-Dichlorobenzene	ND	12.5	ND	75.1		25
1,2-Dichloroethane	ND	12.5	ND	50.6		25
1,2-Dichloropropane	ND	12.5	ND	57.7		25
1,3,5-Trimethylbenzene	ND	12.5	ND	61.4		25
1,3-Dichlorobenzene	ND	12.5	ND	75.1		25
1,4-Dichlorobenzene	ND	12.5	ND	75.1		25
2-Butanone	>2500	12.5	>7373	36.8		25
Acetone	>2500	50	>5938	119		25
Benzene	ND	12.5	ND	39.9		25
Bromodichloromethane	ND	12.5	ND	83.7		25
Bromoform	ND	12.5	ND	129.		25
Carbon tetrachloride	ND	12.5	ND	78.6		25
Chlorobenzene	ND	12.5	ND	57.5		25
Chloroethane	ND	12.5	ND	33.0		25
Chloroform	ND	12.5	ND	61.0		25
Chloromethane	ND	12.5	ND	25.8		25
cis-1,2-Dichloroethene	ND	12.5	ND	49.5		25
cis-1,3-Dichloropropene	ND	12.5	ND	56.7		25



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-07

Date Collected: 03/22/07 16:40

Client ID: MP-1

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Dibromochloromethane	ND	12.5	ND	106.		25
Dichlorodifluoromethane	ND	25.0	ND	124.		25
Ethylbenzene	ND	12.5	ND	54.2		25
Methylene chloride	ND	25.0	ND	86.8		25
4-Methyl-2-pentanone	ND	12.5	ND	51.2		25
Methyl tert butyl ether	ND	12.5	ND	45.0		25
p/m-Xylene	ND	25.0	ND	108.		25
o-Xylene	ND	12.5	ND	54.2		25
Styrene	ND	12.5	ND	53.2		25
Tetrachloroethene	ND	12.5	ND	84.7		25
Toluene	ND	12.5	ND	47.1		25
trans-1,2-Dichloroethene	ND	12.5	ND	49.5		25
trans-1,3-Dichloropropene	ND	12.5	ND	56.7		25
Trichloroethene	ND	12.5	ND	67.1		25
Trichlorofluoromethane	ND	12.5	ND	70.2		25
Vinyl chloride	ND	12.5	ND	31.9		25
Acrylonitrile	ND	12.5	ND	27.1		25
1,1,1,2-Tetrachloroethane	ND	12.5	ND	85.7		25
Isopropylbenzene	ND	12.5	ND	61.4		25
n-Butylbenzene	ND	12.5	ND	68.6		25
sec-Butylbenzene	ND	12.5	ND	68.6		25
p-Isopropyltoluene	ND	12.5	ND	68.6		25



**Project Name:** GORHAM SCHOOL

**Lab Number:** L0704071

**Project Number:** 6196501

**Report Date:** 04/09/07

**SAMPLE RESULTS**

Lab ID: L0704071-07 R  
 Client ID: MP-1  
 Sample Location: PROVIDENCE, RI  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 04/02/07 18:56  
 Analyst:

Date Collected: 03/22/07 16:40  
 Date Received: 03/23/07  
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Acetone	18600	3080	44100	7300		1538



**Project Name:** GORHAM SCHOOL**Lab Number:** L0704071**Project Number:** 6196501**Report Date:** 04/09/07**SAMPLE RESULTS**

Lab ID: L0704071-07 R2

Date Collected: 03/22/07 16:40

Client ID: MP-1

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/03/07 08:21

Analyst:

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
2-Butanone	172000	3840	505000	11300		7688



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-08  
 Client ID: MP-4  
 Sample Location: PROVIDENCE, RI  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 04/01/07 15:45  
 Analyst:

Date Collected: 03/22/07 14:00  
 Date Received: 03/23/07  
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	ND	12.5	ND	68.1		25
1,1,2,2-Tetrachloroethane	ND	12.5	ND	85.7		25
1,1,2-Trichloroethane	ND	12.5	ND	68.1		25
1,1-Dichloroethane	ND	12.5	ND	50.6		25
1,1-Dichloroethene	ND	12.5	ND	49.5		25
1,2,4-Trimethylbenzene	ND	12.5	ND	61.4		25
1,2-Dibromoethane	ND	12.5	ND	96.0		25
1,2-Dichlorobenzene	ND	12.5	ND	75.1		25
1,2-Dichloroethane	ND	12.5	ND	50.6		25
1,2-Dichloropropane	ND	12.5	ND	57.7		25
1,3,5-Trimethylbenzene	ND	12.5	ND	61.4		25
1,3-Dichlorobenzene	ND	12.5	ND	75.1		25
1,4-Dichlorobenzene	ND	12.5	ND	75.1		25
2-Butanone	>2500	12.5	>7373	36.8		25
Acetone	>2500	50	>5938	119		25
Benzene	ND	12.5	ND	39.9		25
Bromodichloromethane	ND	12.5	ND	83.7		25
Bromoform	ND	12.5	ND	129.		25
Carbon tetrachloride	ND	12.5	ND	78.6		25
Chlorobenzene	ND	12.5	ND	57.5		25
Chloroethane	ND	12.5	ND	33.0		25
Chloroform	ND	12.5	ND	61.0		25
Chloromethane	ND	12.5	ND	25.8		25
cis-1,2-Dichloroethene	ND	12.5	ND	49.5		25
cis-1,3-Dichloropropene	ND	12.5	ND	56.7		25



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

## SAMPLE RESULTS

Lab ID: L0704071-08

Date Collected: 03/22/07 14:00

Client ID: MP-4

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Dibromochloromethane	ND	12.5	ND	106.		25
Dichlorodifluoromethane	ND	25.0	ND	124.		25
Ethylbenzene	ND	12.5	ND	54.2		25
Methylene chloride	ND	25.0	ND	86.8		25
4-Methyl-2-pentanone	ND	12.5	ND	51.2		25
Methyl tert butyl ether	ND	12.5	ND	45.0		25
p/m-Xylene	ND	25.0	ND	108.		25
o-Xylene	ND	12.5	ND	54.2		25
Styrene	ND	12.5	ND	53.2		25
Tetrachloroethene	ND	12.5	ND	84.7		25
Toluene	ND	12.5	ND	47.1		25
trans-1,2-Dichloroethene	ND	12.5	ND	49.5		25
trans-1,3-Dichloropropene	ND	12.5	ND	56.7		25
Trichloroethene	ND	12.5	ND	67.1		25
Trichlorofluoromethane	ND	12.5	ND	70.2		25
Vinyl chloride	ND	12.5	ND	31.9		25
Acrylonitrile	ND	12.5	ND	27.1		25
1,1,1,2-Tetrachloroethane	ND	12.5	ND	85.7		25
Isopropylbenzene	ND	12.5	ND	61.4		25
n-Butylbenzene	ND	12.5	ND	68.6		25
sec-Butylbenzene	ND	12.5	ND	68.6		25
p-Isopropyltoluene	ND	12.5	ND	68.6		25



**Project Name:** GORHAM SCHOOL

**Lab Number:** L0704071

**Project Number:** 6196501

**Report Date:** 04/09/07

**SAMPLE RESULTS**

Lab ID: L0704071-08 R  
 Client ID: MP-4  
 Sample Location: PROVIDENCE, RI  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 04/02/07 19:31  
 Analyst:

Date Collected: 03/22/07 14:00  
 Date Received: 03/23/07  
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
Acetone	23400	2210	55500	5250		1107





**Project Name:** GORHAM SCHOOL**Lab Number:** L0704071**Project Number:** 6196501**Report Date:** 04/09/07**SAMPLE RESULTS**

Lab ID: L0704071-08 R2

Date Collected: 03/22/07 14:00

Client ID: MP-4

Date Received: 03/23/07

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/03/07 08:56

Analyst:

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air						
2-Butanone	252000	2770	742000	8160		5536



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/02/07 12:58

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air for sample(s): 01-08 Batch: WG275392-2						
1,1,1-Trichloroethane	ND	0.500	ND	2.72		1
1,1,2,2-Tetrachloroethane	ND	0.500	ND	3.43		1
1,1,2-Trichloroethane	ND	0.500	ND	2.72		1
1,1-Dichloroethane	ND	0.500	ND	2.02		1
1,1-Dichloroethene	ND	0.500	ND	1.98		1
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46		1
1,2-Dibromoethane	ND	0.500	ND	3.84		1
1,2-Dichlorobenzene	ND	0.500	ND	3.00		1
1,2-Dichloroethane	ND	0.500	ND	2.02		1
1,2-Dichloropropane	ND	0.500	ND	2.31		1
1,3,5-Trimethylbenzene	ND	0.500	ND	2.46		1
1,3-Dichlorobenzene	ND	0.500	ND	3.00		1
1,4-Dichlorobenzene	ND	0.500	ND	3.00		1
2-Butanone	ND	0.500	ND	1.47		1
Acetone	ND	2.00	ND	4.75		1
Benzene	ND	0.500	ND	1.60		1
Bromodichloromethane	ND	0.500	ND	3.35		1
Bromoform	ND	0.500	ND	5.16		1
Carbon tetrachloride	ND	0.500	ND	3.14		1
Chlorobenzene	ND	0.500	ND	2.30		1
Chloroethane	ND	0.500	ND	1.32		1
Chloroform	ND	0.500	ND	2.44		1
Chloromethane	ND	0.500	ND	1.03		1
cis-1,2-Dichloroethene	ND	0.500	ND	1.98		1
cis-1,3-Dichloropropene	ND	0.500	ND	2.27		1



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/02/07 12:58

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air for sample(s): 01-08 Batch: WG275392-2						
Dibromochloromethane	ND	0.500	ND	4.26		1
Dichlorodifluoromethane	ND	1.00	ND	4.94		1
Ethylbenzene	ND	0.500	ND	2.17		1
Methylene chloride	ND	1.00	ND	3.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1
Methyl tert butyl ether	ND	0.500	ND	1.80		1
p/m-Xylene	ND	1.00	ND	4.34		1
o-Xylene	ND	0.500	ND	2.17		1
Styrene	ND	0.500	ND	2.13		1
Tetrachloroethene	ND	0.500	ND	3.39		1
Toluene	ND	0.500	ND	1.88		1
trans-1,2-Dichloroethene	ND	0.500	ND	1.98		1
trans-1,3-Dichloropropene	ND	0.500	ND	2.27		1
Trichloroethene	ND	0.500	ND	2.68		1
Trichlorofluoromethane	ND	0.500	ND	2.81		1
Vinyl chloride	ND	0.500	ND	1.28		1
Acrylonitrile	ND	0.500	ND	1.08		1
1,1,1,2-Tetrachloroethane	ND	0.500	ND	3.43		1
Isopropylbenzene	ND	0.500	ND	2.46		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/30/07 14:04

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air for sample(s): 01-06 Batch: WG275392-5						
1,1,1-Trichloroethane	ND	0.500	ND	2.72		1
1,1,2,2-Tetrachloroethane	ND	0.500	ND	3.43		1
1,1,2-Trichloroethane	ND	0.500	ND	2.72		1
1,1-Dichloroethane	ND	0.500	ND	2.02		1
1,1-Dichloroethene	ND	0.500	ND	1.98		1
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46		1
1,2-Dibromoethane	ND	0.500	ND	3.84		1
1,2-Dichlorobenzene	ND	0.500	ND	3.00		1
1,2-Dichloroethane	ND	0.500	ND	2.02		1
1,2-Dichloropropane	ND	0.500	ND	2.31		1
1,3,5-Trimethylbenzene	ND	0.500	ND	2.46		1
1,3-Dichlorobenzene	ND	0.500	ND	3.00		1
1,4-Dichlorobenzene	ND	0.500	ND	3.00		1
2-Butanone	ND	0.500	ND	1.47		1
Acetone	ND	2.00	ND	4.75		1
Benzene	ND	0.500	ND	1.60		1
Bromodichloromethane	ND	0.500	ND	3.35		1
Bromoform	ND	0.500	ND	5.16		1
Carbon tetrachloride	ND	0.500	ND	3.14		1
Chlorobenzene	ND	0.500	ND	2.30		1
Chloroethane	ND	0.500	ND	1.32		1
Chloroform	ND	0.500	ND	2.44		1
Chloromethane	ND	0.500	ND	1.03		1
cis-1,2-Dichloroethene	ND	0.500	ND	1.98		1
cis-1,3-Dichloropropene	ND	0.500	ND	2.27		1



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/30/07 14:04

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air for sample(s): 01-06 Batch: WG275392-5						
Dibromochloromethane	ND	0.500	ND	4.26		1
Dichlorodifluoromethane	ND	1.00	ND	4.94		1
Ethylbenzene	ND	0.500	ND	2.17		1
Methylene chloride	ND	1.00	ND	3.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1
Methyl tert butyl ether	ND	0.500	ND	1.80		1
p/m-Xylene	ND	1.00	ND	4.34		1
o-Xylene	ND	0.500	ND	2.17		1
Styrene	ND	0.500	ND	2.13		1
Tetrachloroethene	ND	0.500	ND	3.39		1
Toluene	ND	0.500	ND	1.88		1
trans-1,2-Dichloroethene	ND	0.500	ND	1.98		1
trans-1,3-Dichloropropene	ND	0.500	ND	2.27		1
Trichloroethene	ND	0.500	ND	2.68		1
Trichlorofluoromethane	ND	0.500	ND	2.81		1
Vinyl chloride	ND	0.500	ND	1.28		1
Acrylonitrile	ND	0.500	ND	1.08		1
1,1,1,2-Tetrachloroethane	ND	0.500	ND	3.43		1
Isopropylbenzene	ND	0.500	ND	2.46		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/01/07 13:10

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air for sample(s): 07-08 Batch: WG275392-7						
1,1,1-Trichloroethane	ND	0.500	ND	2.72		1
1,1,2,2-Tetrachloroethane	ND	0.500	ND	3.43		1
1,1,2-Trichloroethane	ND	0.500	ND	2.72		1
1,1-Dichloroethane	ND	0.500	ND	2.02		1
1,1-Dichloroethene	ND	0.500	ND	1.98		1
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46		1
1,2-Dibromoethane	ND	0.500	ND	3.84		1
1,2-Dichlorobenzene	ND	0.500	ND	3.00		1
1,2-Dichloroethane	ND	0.500	ND	2.02		1
1,2-Dichloropropane	ND	0.500	ND	2.31		1
1,3,5-Trimethylbenzene	ND	0.500	ND	2.46		1
1,3-Dichlorobenzene	ND	0.500	ND	3.00		1
1,4-Dichlorobenzene	ND	0.500	ND	3.00		1
2-Butanone	ND	0.500	ND	1.47		1
Acetone	ND	2.00	ND	4.75		1
Benzene	ND	0.500	ND	1.60		1
Bromodichloromethane	ND	0.500	ND	3.35		1
Bromoform	ND	0.500	ND	5.16		1
Carbon tetrachloride	ND	0.500	ND	3.14		1
Chlorobenzene	ND	0.500	ND	2.30		1
Chloroethane	ND	0.500	ND	1.32		1
Chloroform	ND	0.500	ND	2.44		1
Chloromethane	ND	0.500	ND	1.03		1
cis-1,2-Dichloroethene	ND	0.500	ND	1.98		1
cis-1,3-Dichloropropene	ND	0.500	ND	2.27		1



Project Name: GORHAM SCHOOL

Lab Number: L0704071

Project Number: 6196501

Report Date: 04/09/07

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/01/07 13:10

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air for sample(s): 07-08 Batch: WG275392-7						
Dibromochloromethane	ND	0.500	ND	4.26		1
Dichlorodifluoromethane	ND	1.00	ND	4.94		1
Ethylbenzene	ND	0.500	ND	2.17		1
Methylene chloride	ND	1.00	ND	3.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1
Methyl tert butyl ether	ND	0.500	ND	1.80		1
p/m-Xylene	ND	1.00	ND	4.34		1
o-Xylene	ND	0.500	ND	2.17		1
Styrene	ND	0.500	ND	2.13		1
Tetrachloroethene	ND	0.500	ND	3.39		1
Toluene	ND	0.500	ND	1.88		1
trans-1,2-Dichloroethene	ND	0.500	ND	1.98		1
trans-1,3-Dichloropropene	ND	0.500	ND	2.27		1
Trichloroethene	ND	0.500	ND	2.68		1
Trichlorofluoromethane	ND	0.500	ND	2.81		1
Vinyl chloride	ND	0.500	ND	1.28		1
Acrylonitrile	ND	0.500	ND	1.08		1
1,1,1,2-Tetrachloroethane	ND	0.500	ND	3.43		1
Isopropylbenzene	ND	0.500	ND	2.46		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-08 Batch: WG275392-1					
1,1,1-Trichloroethane	75	-	70-130	-	
1,1,2,2-Tetrachloroethane	114	-	70-130	-	
1,1,2-Trichloroethane	105	-	70-130	-	
1,1-Dichloroethane	112	-	70-130	-	
1,1-Dichloroethene	99	-	70-130	-	
1,2,4-Trichlorobenzene	83	-	70-130	-	
1,2,4-Trimethylbenzene	79	-	70-130	-	
1,2-Dibromoethane	99	-	70-130	-	
1,2-Dichlorobenzene	94	-	70-130	-	
1,2-Dichloroethane	83	-	70-130	-	
1,2-Dichloropropane	122	-	70-130	-	
1,3,5-Trimethylbenzene	77	-	70-130	-	
1,3-Butadiene	99	-	70-130	-	
1,3-Dichlorobenzene	94	-	70-130	-	
1,4-Dichlorobenzene	93	-	70-130	-	
1,4-Dioxane	100	-	70-130	-	
2,2,4-Trimethylpentane	124	-	70-130	-	
2-Butanone	109	-	70-130	-	
2-Hexanone	78	-	70-130	-	
3-Chloropropene	108	-	70-130	-	
4-Ethyltoluene	81	-	70-130	-	



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-08 Batch: WG275392-1					
Acetone	93	-	70-130	-	
Benzene	98	-	70-130	-	
Benzyl chloride	75	-	70-130	-	
Bromodichloromethane	90	-	70-130	-	
Bromoform	106	-	70-130	-	
Bromomethane	74	-	70-130	-	
Carbon disulfide	118	-	70-130	-	
Carbon tetrachloride	76	-	70-130	-	
Chlorobenzene	100	-	70-130	-	
Chloroethane	115	-	70-130	-	
Chloroform	94	-	70-130	-	
Chloromethane	124	-	70-130	-	
cis-1,2-Dichloroethene	110	-	70-130	-	
cis-1,3-Dichloropropene	95	-	70-130	-	
Cyclohexane	107	-	70-130	-	
Dibromochloromethane	94	-	70-130	-	
Dichlorodifluoromethane	88	-	70-130	-	
Ethyl Alcohol	109	-	70-130	-	
Ethyl Acetate	102	-	70-130	-	
Ethylbenzene	102	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	100	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-08 Batch: WG275392-1					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	82	-	70-130	-	
Hexachlorobutadiene	70	-	70-130	-	
iso-Propyl Alcohol	90	-	70-130	-	
Methylene chloride	125	-	70-130	-	
4-Methyl-2-pentanone	119	-	70-130	-	
Methyl tert butyl ether	105	-	70-130	-	
p/m-Xylene	96	-	70-130	-	
o-Xylene	103	-	70-130	-	
n-Heptane	124	-	70-130	-	
n-Hexane	130	-	70-130	-	
Propylene	116	-	70-130	-	
Styrene	90	-	70-130	-	
Tetrachloroethene	95	-	70-130	-	
Tetrahydrofuran	128	-	70-130	-	
Toluene	99	-	70-130	-	
trans-1,2-Dichloroethene	117	-	70-130	-	
trans-1,3-Dichloropropene	74	-	70-130	-	
Trichloroethene	97	-	70-130	-	
Trichlorofluoromethane	74	-	70-130	-	
Vinyl acetate	96	-	70-130	-	
Vinyl bromide	107	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-08 Batch: WG275392-1					
Vinyl chloride	89	-	70-130	-	
Naphthalene	74	-	70-130	-	
Propane	124	-	70-130	-	
Acrylonitrile	91	-	70-130	-	
Acrolein	78	-	70-130	-	
1,1,1,2-Tetrachloroethane	85	-	70-130	-	
Isopropylbenzene	92	-	70-130	-	
1,2,3-Trichloropropane	96	-	70-130	-	
Acetonitrile	125	-	70-130	-	
Bromobenzene	94	-	70-130	-	
Chlorodifluoromethane	107	-	70-130	-	
Dichlorofluoromethane	95	-	70-130	-	
Dibromomethane	94	-	70-130	-	
Pentane	120	-	70-130	-	
Octane	107	-	70-130	-	
Tertiary-Amyl Methyl Ether	89	-	70-130	-	
o-Chlorotoluene	95	-	70-130	-	
p-Chlorotoluene	89	-	70-130	-	
2,2-Dichloropropane	91	-	70-130	-	
1,1-Dichloropropene	88	-	70-130	-	
Isopropyl Ether	119	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-08 Batch: WG275392-1					
Ethyl-Tert-Butyl-Ether	99	-	70-130	-	
1,2,3-Trichlorobenzene	61	-	70-130	-	
Ethyl ether	115	-	70-130	-	
n-Butylbenzene	85	-	70-130	-	
sec-Butylbenzene	72	-	70-130	-	
tert-Butylbenzene	73	-	70-130	-	
1,2-Dibromo-3-chloropropane	93	-	70-130	-	
p-Isopropyltoluene	73	-	70-130	-	
n-Propylbenzene	86	-	70-130	-	
1,3-Dichloropropane	94	-	70-130	-	
Methanol	87	-	70-130	-	
Butane	78	-	70-130	-	
Nonane (C9)	78	-	70-130	-	
Decane (C10)	99	-	70-130	-	
Undecane	121	-	70-130	-	
Dodecane (C12)	74	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-06 Batch: WG275392-4					
1,1,1-Trichloroethane	79	-	70-130	-	
1,1,2,2-Tetrachloroethane	104	-	70-130	-	
1,1,2-Trichloroethane	101	-	70-130	-	
1,1-Dichloroethane	99	-	70-130	-	
1,1-Dichloroethene	92	-	70-130	-	
1,2,4-Trichlorobenzene	87	-	70-130	-	
1,2,4-Trimethylbenzene	83	-	70-130	-	
1,2-Dibromoethane	101	-	70-130	-	
1,2-Dichlorobenzene	105	-	70-130	-	
1,2-Dichloroethane	82	-	70-130	-	
1,2-Dichloropropane	107	-	70-130	-	
1,3,5-Trimethylbenzene	85	-	70-130	-	
1,3-Butadiene	118	-	70-130	-	
1,3-Dichlorobenzene	104	-	70-130	-	
1,4-Dichlorobenzene	101	-	70-130	-	
1,4-Dioxane	97	-	70-130	-	
2,2,4-Trimethylpentane	108	-	70-130	-	
2-Butanone	87	-	70-130	-	
2-Hexanone	76	-	70-130	-	
3-Chloropropene	99	-	70-130	-	
4-Ethyltoluene	89	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-06 Batch: WG275392-4					
Acetone	88	-	70-130	-	
Benzene	93	-	70-130	-	
Benzyl chloride	78	-	70-130	-	
Bromodichloromethane	91	-	70-130	-	
Bromoform	111	-	70-130	-	
Bromomethane	80	-	70-130	-	
Carbon disulfide	109	-	70-130	-	
Carbon tetrachloride	81	-	70-130	-	
Chlorobenzene	100	-	70-130	-	
Chloroethane	107	-	70-130	-	
Chloroform	89	-	70-130	-	
Chloromethane	95	-	70-130	-	
cis-1,2-Dichloroethene	100	-	70-130	-	
cis-1,3-Dichloropropene	87	-	70-130	-	
Cyclohexane	103	-	70-130	-	
Dibromochloromethane	98	-	70-130	-	
Dichlorodifluoromethane	82	-	70-130	-	
Ethyl Alcohol	84	-	70-130	-	
Ethyl Acetate	80	-	70-130	-	
Ethylbenzene	101	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	97	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-06 Batch: WG275392-4					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	101	-	70-130	-	
Hexachlorobutadiene	84	-	70-130	-	
iso-Propyl Alcohol	81	-	70-130	-	
Methylene chloride	107	-	70-130	-	
4-Methyl-2-pentanone	100	-	70-130	-	
Methyl tert butyl ether	97	-	70-130	-	
p/m-Xylene	100	-	70-130	-	
o-Xylene	104	-	70-130	-	
n-Heptane	105	-	70-130	-	
n-Hexane	111	-	70-130	-	
Propylene	88	-	70-130	-	
Styrene	95	-	70-130	-	
Tetrachloroethene	98	-	70-130	-	
Tetrahydrofuran	117	-	70-130	-	
Toluene	99	-	70-130	-	
trans-1,2-Dichloroethene	104	-	70-130	-	
trans-1,3-Dichloropropene	72	-	70-130	-	
Trichloroethene	100	-	70-130	-	
Trichlorofluoromethane	76	-	70-130	-	
Vinyl acetate	82	-	70-130	-	
Vinyl bromide	107	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-06 Batch: WG275392-4					
Vinyl chloride	111	-	70-130	-	
Naphthalene	81	-	70-130	-	
Propane	93	-	70-130	-	
Acrylonitrile	123	-	70-130	-	
Acrolein	76	-	70-130	-	
1,1,1,2-Tetrachloroethane	88	-	70-130	-	
Isopropylbenzene	100	-	70-130	-	
1,2,3-Trichloropropane	90	-	70-130	-	
Acetonitrile	102	-	70-130	-	
Bromobenzene	93	-	70-130	-	
Chlorodifluoromethane	89	-	70-130	-	
Dichlorofluoromethane	90	-	70-130	-	
Dibromomethane	93	-	70-130	-	
Pentane	100	-	70-130	-	
Octane	98	-	70-130	-	
Tertiary-Amyl Methyl Ether	82	-	70-130	-	
o-Chlorotoluene	99	-	70-130	-	
p-Chlorotoluene	96	-	70-130	-	
2,2-Dichloropropane	85	-	70-130	-	
1,1-Dichloropropene	87	-	70-130	-	
Isopropyl Ether	102	-	70-130	-	



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-06 Batch: WG275392-4					
Ethyl-Tert-Butyl-Ether	86	-	70-130	-	
1,2,3-Trichlorobenzene	66	-	70-130	-	
Ethyl ether	100	-	70-130	-	
n-Butylbenzene	72	-	70-130	-	
sec-Butylbenzene	80	-	70-130	-	
tert-Butylbenzene	82	-	70-130	-	
1,2-Dibromo-3-chloropropane	96	-	70-130	-	
p-Isopropyltoluene	82	-	70-130	-	
n-Propylbenzene	94	-	70-130	-	
1,3-Dichloropropane	92	-	70-130	-	
Methanol	89	-	70-130	-	
Butane	93	-	70-130	-	
Nonane (C9)	74	-	70-130	-	
Decane (C10)	92	-	70-130	-	
Undecane	110	-	70-130	-	
Dodecane (C12)	68	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 07-08 Batch: WG275392-6					
1,1,1-Trichloroethane	100	-	70-130	-	
1,1,2,2-Tetrachloroethane	90	-	70-130	-	
1,1,2-Trichloroethane	99	-	70-130	-	
1,1-Dichloroethane	106	-	70-130	-	
1,1-Dichloroethene	102	-	70-130	-	
1,2,4-Trichlorobenzene	86	-	70-130	-	
1,2,4-Trimethylbenzene	83	-	70-130	-	
1,2-Dibromoethane	95	-	70-130	-	
1,2-Dichlorobenzene	100	-	70-130	-	
1,2-Dichloroethane	107	-	70-130	-	
1,2-Dichloropropane	98	-	70-130	-	
1,3,5-Trimethylbenzene	86	-	70-130	-	
1,3-Butadiene	87	-	70-130	-	
1,3-Dichlorobenzene	98	-	70-130	-	
1,4-Dichlorobenzene	97	-	70-130	-	
1,4-Dioxane	92	-	70-130	-	
2,2,4-Trimethylpentane	101	-	70-130	-	
2-Butanone	108	-	70-130	-	
2-Hexanone	73	-	70-130	-	
3-Chloropropene	108	-	70-130	-	
4-Ethyltoluene	86	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 07-08 Batch: WG275392-6					
Acetone	96	-	70-130	-	
Benzene	82	-	70-130	-	
Benzyl chloride	83	-	70-130	-	
Bromodichloromethane	102	-	70-130	-	
Bromoform	116	-	70-130	-	
Bromomethane	72	-	70-130	-	
Carbon disulfide	102	-	70-130	-	
Carbon tetrachloride	106	-	70-130	-	
Chlorobenzene	91	-	70-130	-	
Chloroethane	97	-	70-130	-	
Chloroform	106	-	70-130	-	
Chloromethane	99	-	70-130	-	
cis-1,2-Dichloroethene	107	-	70-130	-	
cis-1,3-Dichloropropene	91	-	70-130	-	
Cyclohexane	97	-	70-130	-	
Dibromochloromethane	103	-	70-130	-	
Dichlorodifluoromethane	105	-	70-130	-	
Ethyl Alcohol	90	-	70-130	-	
Ethyl Acetate	93	-	70-130	-	
Ethylbenzene	95	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	103	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 07-08 Batch: WG275392-6					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	89	-	70-130	-	
Hexachlorobutadiene	94	-	70-130	-	
iso-Propyl Alcohol	89	-	70-130	-	
Methylene chloride	104	-	70-130	-	
4-Methyl-2-pentanone	99	-	70-130	-	
Methyl tert butyl ether	113	-	70-130	-	
p/m-Xylene	96	-	70-130	-	
o-Xylene	102	-	70-130	-	
n-Heptane	99	-	70-130	-	
n-Hexane	107	-	70-130	-	
Propylene	92	-	70-130	-	
Styrene	84	-	70-130	-	
Tetrachloroethene	95	-	70-130	-	
Tetrahydrofuran	114	-	70-130	-	
Toluene	90	-	70-130	-	
trans-1,2-Dichloroethene	115	-	70-130	-	
trans-1,3-Dichloropropene	81	-	70-130	-	
Trichloroethene	102	-	70-130	-	
Trichlorofluoromethane	101	-	70-130	-	
Vinyl acetate	88	-	70-130	-	
Vinyl bromide	108	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 07-08 Batch: WG275392-6					
Vinyl chloride	83	-	70-130	-	
Naphthalene	73	-	70-130	-	
Propane	91	-	70-130	-	
Acrylonitrile	84	-	70-130	-	
Acrolein	75	-	70-130	-	
1,1,1,2-Tetrachloroethane	91	-	70-130	-	
Isopropylbenzene	96	-	70-130	-	
1,2,3-Trichloropropane	86	-	70-130	-	
Acetonitrile	91	-	70-130	-	
Bromobenzene	86	-	70-130	-	
Chlorodifluoromethane	99	-	70-130	-	
Dichlorofluoromethane	95	-	70-130	-	
Dibromomethane	94	-	70-130	-	
Pentane	99	-	70-130	-	
Octane	84	-	70-130	-	
Tertiary-Amyl Methyl Ether	83	-	70-130	-	
o-Chlorotoluene	90	-	70-130	-	
p-Chlorotoluene	86	-	70-130	-	
2,2-Dichloropropane	115	-	70-130	-	
1,1-Dichloropropene	90	-	70-130	-	
Isopropyl Ether	100	-	70-130	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** GORHAM SCHOOL

**Project Number:** 6196501

**Lab Number:** L0704071

**Report Date:** 04/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 07-08 Batch: WG275392-6					
Ethyl-Tert-Butyl-Ether	96	-	70-130	-	
1,2,3-Trichlorobenzene	64	-	70-130	-	
Ethyl ether	101	-	70-130	-	
n-Butylbenzene	70	-	70-130	-	
sec-Butylbenzene	77	-	70-130	-	
tert-Butylbenzene	82	-	70-130	-	
1,2-Dibromo-3-chloropropane	96	-	70-130	-	
p-Isopropyltoluene	82	-	70-130	-	
n-Propylbenzene	87	-	70-130	-	
1,3-Dichloropropane	85	-	70-130	-	
Methanol	81	-	70-130	-	
Butane	75	-	70-130	-	
Nonane (C9)	66	-	70-130	-	
Decane (C10)	80	-	70-130	-	
Undecane	96	-	70-130	-	
Dodecane (C12)	60	-	70-130	-	

## Lab Duplicate Analysis

Batch Quality Control

Project Name: GORHAM SCHOOL

Project Number: 6196501

Lab Number: L0704071

Report Date: 04/09/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-08 QC Batch ID: WG275392-3 QC Sample: L0704468-02 Client ID: DUP Sample					
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	2.81	2.71	ppbV	4	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	1.37	1.44	ppbV	5	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
2-Butanone	7.08	7.05	ppbV	0	25
Acetone	47.6	49.6	ppbV	4	25
Benzene	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25

**Lab Duplicate Analysis**  
Batch Quality Control

Project Name: GORHAM SCHOOL

Project Number: 6196501

Lab Number: L0704071

Report Date: 04/09/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-08 QC Batch ID: WG275392-3 QC Sample: L0704468-02 Client ID: DUP Sample					
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chloromethane	0.670	0.530	ppbV	23	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	ND	ND	ppbV	NC	25
Ethylbenzene	0.660	0.680	ppbV	3	25
Methylene chloride	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	2.00	2.09	ppbV	4	25
o-Xylene	0.790	0.850	ppbV	7	25
Styrene	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Toluene	213	226	ppbV	6	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25



## Lab Duplicate Analysis

Batch Quality Control

Project Name: GORHAM SCHOOL

Project Number: 6196501

Lab Number: L0704071

Report Date: 04/09/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air Associated sample(s): 01-08 QC Batch ID: WG275392-3 QC Sample: L0704468-02 Client ID: DUP Sample					
Trichloroethene	ND	ND	ppbV	NC	25
Trichlorofluoromethane	ND	ND	ppbV	NC	25
Vinyl chloride	ND	ND	ppbV	NC	25
Acrylonitrile	ND	ND	ppbV	NC	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Isopropylbenzene	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25

**Project Name:** GORHAM SCHOOL**Lab Number:** L0704071**Project Number:** 6196501**Report Date:** 04/09/07**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
N/A	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>pH</b>	<b>Temp</b>	<b>Pres</b>	<b>Seal</b>	<b>Analysis</b>
L0704071-01A	Canister - 2.7 Liter	N/A	NA	NA	NA	Absent	TO-15
L0704071-02A	Canister - 2.7 Liter	N/A	NA	NA	NA	Absent	TO-15
L0704071-03A	Canister - 2.7 Liter	N/A	NA	NA	NA	Absent	TO-15
L0704071-04A	Canister - 2.7 Liter	N/A	NA	NA	NA	Absent	TO-15
L0704071-05A	Canister - 2.7 Liter	N/A	NA	NA	NA	Absent	TO-15
L0704071-06A	Canister - 2.7 Liter	N/A	NA	NA	NA	Absent	TO-15
L0704071-07A	Canister - 2.7 Liter	N/A	NA	NA	NA	Absent	TO-15
L0704071-08A	Canister - 2.7 Liter	N/A	NA	NA	NA	Absent	TO-15

**Project Name:** GORHAM SCHOOL  
**Project Number:** 6196501

**Lab Number:** L0704071  
**Report Date:** 04/09/07

## GLOSSARY

### Acronyms

- EPA - Environmental Protection Agency.  
LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.  
LCSD- Laboratory Control Sample Duplicate: Refer to LCS.  
MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.  
MSD - Matrix Spike Sample Duplicate: Refer to MS.  
NA - Not Applicable.  
NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.  
ND - Not detected at the reported detection limit for the sample.  
RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.  
RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

The following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

- A - Spectra identified as "Aldol Condensation Product".  
B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.  
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.  
J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Report Format: Not Specified



**Project Name:** GORHAM SCHOOL  
**Project Number:** 6196501

**Lab Number:** L0704071  
**Report Date:** 04/09/07

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

Alpha Woods Hole Labs performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Woods Hole Labs be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.





**CHAIN OF CUSTODY**

**AIR ANALYSIS**

PAGE 1 OF 1

Eight Walkup Drive Westborough, MA 01581  
 TEL: 508-898-9220 FAX: 508-898-9193

**Client Information**

Client: *EA Engineering, Sci, & Tech*  
 Address: *2350 Post Road*  
*Warwick, RI 02886*  
 Phone: *401-736-3440*  
 Fax: *401-736-3423*  
 Email: *psrivers@east.com*

**Project Information**

Project Name: *Gorham School*  
 Project Location: *Providence, RI*  
 Project #: *6196501*  
 Project Manager: *Peter Grivers*  
 ALPHA Quote #:  
 Turn-Around Time  
 Standard  RUSH (only confirmed if pre-approved)  
 5 DAYS TO-13, 10 DAYS TO-14, 10 DAYS TO-15  
 Date Due: *4/6* Time:

**Report Information - Data Deliverables**

Date Rec'd In Lab: *3/23*  
 FAX  
 ADEX  
 Criteria Checker: *Customized*  
 (Default based on Regulatory Criteria Indicated)  
 Other Formats:  
 EMAIL (standard pdf report)  
 Additional Deliverables:  
 Report to: (if different than Project Manager)

**Billing Information**

Same as Client Info PO #:

ALPHA Job #: *20704071*

**Regulatory Requirements/Report Limits**

State/Fed Program Criteria  
*or Data Proposed Residential Target Air Compounds*

**ANALYSIS**

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ID Can	ID-Flow Controller	ANALYSIS								Sample Comments (i.e. PID)	
		Date	Date					Start Time	End Time	TO-14A	TO-15	TO-15 SIM	APH	DISSOLVED GASES	FIXED GASES		TO-13A
<i>04071-0</i>	<i>MP-5</i>	<i>3-22-07</i>	<i>1055</i>	<i>1125</i>	<i>SV</i>	<i>PMW</i>	<i>424</i>	<i>FC148</i>									<i>PID = &gt; 199 ppm</i>
	<i>MP-7</i>		<i>1055</i>	<i>1125</i>			<i>352</i>	<i>RC53</i>									<i>" = 58 ppm</i>
	<i>MP-8</i>		<i>1145</i>	<i>1215</i>			<i>207</i>	<i>FC161</i>									<i>" = 99.5 ppm</i>
	<i>MP-6</i>		<i>105</i>	<i>130</i>			<i>387</i>	<i>FC170</i>									<i>" = &gt; 199 ppm</i>
	<i>MP-3</i>		<i>222</i>	<i>250</i>			<i>113</i>	<i>FC104</i>									<i>" = &gt; 199 ppm</i>
	<i>MP-2</i>		<i>410</i>	<i>435</i>			<i>173</i>	<i>FC43</i>									<i>" = 178 ppm</i>
	<i>MP-1</i>		<i>415</i>	<i>440</i>			<i>513</i>	<i>FC254</i>									<i>" = &gt; 199 ppm</i>
	<i>MP-4</i>		<i>130</i>	<i>200</i>			<i>526</i>	<i>FC253</i>									<i>" = &gt; 199 ppm</i>

Shaded Gray Areas For Lab Use Only

Container Type *CS*

Relinquished By: *[Signature]* Date/Time: *3/23/07*  
 Received By: *[Signature]* Date/Time: *3/23/07 10:00*  
 Date/Time: *3/28/07 18:55*

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.