

Report Date:
02-Jul-12 14:09



- Final Report
- Re-Issued Report
- Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY
Laboratory Report

Chesapeake GeoSciences, Inc.
5405 Twin Knolls Rd, Suite 1
Columbia, MD 21045
Attn: Nancy Love

Project: Riggs Park VIS-NE Washington, DC
Project #: CG-07-0282

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Container</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA73843-01	S79-VMP2		Air	24-Jan-08 11:28	29-Jan-08 07:38
SA73843-02	S79-AOA		Air	24-Jan-08 11:30	29-Jan-08 07:38
SA73843-03	S79-INA		Air	24-Jan-08 11:33	29-Jan-08 07:38
SA73843-04	S79-VMP1		Air	24-Jan-08 11:35	29-Jan-08 07:38
SA73843-05	S148-VMP		Air	24-Jan-08 12:44	29-Jan-08 07:38
SA73843-06	S148-INA		Air	24-Jan-08 12:45	29-Jan-08 07:38
SA73843-07	S313-VMP		Air	24-Jan-08 13:16	29-Jan-08 07:38
SA73843-08	S313-INA		Air	24-Jan-08 13:31	29-Jan-08 07:38
SA73843-09	S27-VMP2		Air	24-Jan-08 15:10	29-Jan-08 07:38
SA73843-10	S27-INA		Air	24-Jan-08 15:12	29-Jan-08 07:38
SA73843-11	S27-VMP1		Air	24-Jan-08 15:16	29-Jan-08 07:38
SA73843-12	S220-AOA		Air	24-Jan-08 16:42	29-Jan-08 07:38
SA73843-13	S220-INA		Air	24-Jan-08 16:48	29-Jan-08 07:38
SA73843-14	S220-VMP		Air	24-Jan-08 16:52	29-Jan-08 07:38
SA73843-15	S176-INA		Air	24-Jan-08 18:30	29-Jan-08 07:38
SA73843-16	S176-VMP1		Air	24-Jan-08 18:31	29-Jan-08 07:38
SA73843-17	S176-VMP2		Air	24-Jan-08 18:41	29-Jan-08 07:38

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

A handwritten signature in black ink that reads "Nicole Leja". The signature is fluid and cursive.

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.

Please note that this report contains 50 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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CASE NARRATIVE:

Samples are received and the pressure is recorded from the gauge on the canister. If a canister does not have a gauge, a vacuum gauge is attached to the valve and pressure is recorded. If the canister is below -10 psig, the can must be pressurized to 0 psig. Tedlar bags do not have the pressure recorded. The can pressure can be located within this report in the sample header information.

If a Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

NARRATIVE:

In order to report data to the Method Detection Limit (MDL) the format of the report has replaced data presented in the Result Units column with alternative data when the target analyte is not present above the Reportable Detection Limit (RDL). If the target analyte is present above the MDL but below the RDL, a concentration will be listed along with a J flag. If the target compound is not present above the MDL, < with that analyte's MDL will be listed along with a U flag.

Total Volatile Hydrocarbons (TVH) is a calculated test and therefore does not have an MDL, RDL or associated quality control criteria.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA TO-15

Laboratory Control Samples:

8020410 BS

1,2,4-Trichlorobenzene percent recovery 149 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

- S176-VMP1
- S176-VMP2
- S220-AOA
- S220-INA
- S220-VMP
- S27-VMP1
- S27-VMP2
- S313-VMP
- S79-INA
- S79-VMP2

Dibromochloromethane percent recovery 149 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

- S176-VMP1
- S176-VMP2
- S220-AOA
- S220-INA
- S220-VMP
- S27-VMP1
- S27-VMP2
- S313-VMP
- S79-INA
- S79-VMP2

8020517 BS

EPA TO-15

Laboratory Control Samples:

8020517 BS

Dichlorodifluoromethane (Freon12) percent recovery 68 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

S148-VMP
S176-INA
S27-INA
S313-INA
S79-VMP1

Tetrachloroethene percent recovery 69 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

S148-VMP
S176-INA
S27-INA
S313-INA
S79-VMP1

8020756 BS

1,2,4-Trichlorobenzene percent recovery 61 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

S148-INA

Dibromochloromethane percent recovery 173 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

S148-INA

8020768 BS

Chloromethane percent recovery 140 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

S79-AOA

Dibromochloromethane percent recovery 160 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

S79-AOA

Samples:

SA73843-02 *S79-AOA*

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Chloromethane

SA73843-03 *S79-INA*

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

1,4-Dichlorobenzene
Ethanol

SA73843-09 *S27-VMP2*

EPA TO-15

Samples:

SA73843-09 *S27-VMP2*

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Ethanol

SA73843-12 *S220-AOA*

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Ethanol

SA73843-13 *S220-INA*

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Ethanol

Isopropyl alcohol

Sample Identification

S79-VMP2
SA73843-01

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 11:28

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
91-20-3	Naphthalene	< 1.00	2.40	< 5.24	12.56	U	MA APH	04-Feb-08	WB	8020410	
Volatile Organics in Air Low Level		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
115-07-1	Propene	< 0.0021800	0.10000	< 0.00	0.17	U	EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	0.44000	0.10000	2.18	0.49		"	"	"	"	X
74-87-3	Chloromethane	< 0.0033000	0.10000	< 0.01	0.21	U	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0030400	0.10000	< 0.02	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.0035800	0.10000	< 0.01	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.0058400	0.10000	< 0.01	0.22	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.0043100	0.10000	< 0.02	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.0046400	0.10000	< 0.01	0.26	U	"	"	"	"	X
67-64-1	Acetone	2.5500	0.50000	6.06	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.26000	0.10000	1.46	0.56		"	"	"	"	X
64-17-5	Ethanol	0.91000	0.50000	1.72	0.94		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	< 0.0041700	0.10000	< 0.01	0.35	U	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.0028100	0.10000	< 0.02	0.77	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.0028900	0.50000	< 0.01	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0022100	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0032300	0.10000	< 0.01	0.36	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	0.81000	0.50000	1.99	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.49000	0.10000	1.44	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.0024700	0.10000	< 0.01	0.40	U	"	"	"	"	X
110-54-3	Hexane	< 0.0039900	0.10000	< 0.01	0.35	U	"	"	"	"	X
141-78-6	Ethyl acetate	0.76000	0.10000	2.74	0.36		"	"	"	"	
67-66-3	Chloroform	0.20000	0.10000	0.97	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.0074400	0.10000	< 0.02	0.29	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.0027700	0.10000	< 0.01	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.0025800	0.10000	< 0.01	0.55	U	"	"	"	"	X
71-43-2	Benzene	< 0.0015500	0.10000	< 0.00	0.32	U	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.0031300	0.10000	< 0.02	0.63	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.0094200	0.10000	< 0.03	0.34	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0039800	0.10000	< 0.02	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.0029200	0.10000	< 0.02	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	0.27000	0.10000	1.45	0.54		"	"	"	"	X
142-82-5	n-Heptane	< 0.0039600	0.10000	< 0.02	0.41	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.0044400	0.10000	< 0.02	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.0029100	0.10000	< 0.01	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0047900	0.10000	< 0.02	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.0023300	0.10000	< 0.01	0.55	U	"	"	"	"	X
108-88-3	Toluene	0.25000	0.10000	0.94	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	0.14000	0.10000	0.57	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.0021300	0.10000	< 0.02	0.85	U	"	"	"	"	X

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Sample Identification

S79-VMP2
SA73843-01

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 11:28

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air Low Level

ppbv Prepared 04-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.0024500	0.10000	< 0.02	0.77	U	EPA TO-15	04-Feb-08	WB	8020410	X
127-18-4	Tetrachloroethene	0.22000	0.10000	1.49	0.68		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.0022300	0.10000	< 0.01	0.46	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.0013700	0.10000	< 0.01	0.43	U	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.0043400	0.10000	< 0.02	0.43	U	"	"	"	"	X
75-25-2	Bromoform	< 0.0024500	0.10000	< 0.03	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.0016500	0.10000	< 0.01	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.0018400	0.10000	< 0.01	0.43	U	"	"	"	"	X
79-34-5	1,1,1,2-Tetrachloroethane	< 0.0016000	0.10000	< 0.01	0.69	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.0014300	0.10000	< 0.01	0.49	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0018200	0.10000	< 0.01	0.49	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.0015400	0.10000	< 0.01	0.49	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.0029100	0.10000	< 0.02	0.60	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.0019800	0.10000	< 0.01	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	0.13000	0.10000	0.78	0.60		"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.0020000	0.10000	< 0.01	0.60	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.0088800	0.10000	< 0.07	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.0033000	0.10000	< 0.04	1.07	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	88		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 04-Feb-08
Dilution: 1

Total Volatile Hydrocarbons C5-C12		0.0310					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	88		75-125 %			"	"	"	"	
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Sample Identification

S79-AOA Client Project # CG-07-0282 Matrix Air Collection Date/Time 24-Jan-08 11:30 Received 29-Jan-08
 SA73843-02

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 05-Feb-08								
			Dilution: 1								
91-20-3	Naphthalene	< 1.00	2.40	< 5.24	12.56	U	MA APH	11-Feb-08	WB	8020517	
Volatile Organics in Air Low Level		ppbv	Prepared 11-Feb-08								
			Dilution: 1								
115-07-1	Propene	< 0.056395	0.10000	< 0.10	0.17	U	EPA TO-15	"	WB	8020768	
75-71-8	Dichlorodifluoromethane (Freon12)	0.42000	0.10000	2.08	0.49		"	"	"	"	X
74-87-3	Chloromethane	0.68000	0.10000	1.40	0.21	E	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.053850	0.10000	< 0.38	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.064519	0.10000	< 0.16	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.046885	0.10000	< 0.10	0.22	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.059621	0.10000	< 0.23	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.042158	0.10000	< 0.11	0.26	U	"	"	"	"	X
67-64-1	Acetone	2.8300	0.50000	6.72	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.25000	0.10000	1.40	0.56		"	"	"	"	X
64-17-5	Ethanol	10.340	0.50000	19.50	0.94		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.028198	0.10000	< 0.11	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	0.22000	0.10000	0.76	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.043253	0.10000	< 0.33	0.77	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.029810	0.50000	< 0.09	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.016752	0.10000	< 0.07	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.023691	0.10000	< 0.10	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.042158	0.10000	< 0.15	0.36	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	0.97000	0.50000	2.38	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.29000	0.10000	0.86	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.021627	0.10000	< 0.09	0.40	U	"	"	"	"	X
110-54-3	Hexane	0.37000	0.10000	1.30	0.35		"	"	"	"	X
141-78-6	Ethyl acetate	0.14000	0.10000	0.50	0.36		"	"	"	"	
67-66-3	Chloroform	< 0.029810	0.10000	< 0.15	0.49	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.056395	0.10000	< 0.17	0.29	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.015292	0.10000	< 0.06	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.025589	0.10000	< 0.14	0.55	U	"	"	"	"	X
71-43-2	Benzene	0.51000	0.10000	1.63	0.32		"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.035536	0.10000	< 0.22	0.63	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.024658	0.10000	< 0.08	0.34	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.039287	0.10000	< 0.18	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.028198	0.10000	< 0.19	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.029810	0.10000	< 0.16	0.54	U	"	"	"	"	X
142-82-5	n-Heptane	0.15000	0.10000	0.61	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.083760	0.10000	< 0.34	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.058432	0.10000	< 0.27	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.052531	0.10000	< 0.24	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.035536	0.10000	< 0.19	0.55	U	"	"	"	"	X
108-88-3	Toluene	0.83000	0.10000	3.12	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.089952	0.10000	< 0.37	0.41	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.023691	0.10000	< 0.20	0.85	U	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

S79-AOA
SA73843-02

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 11:30

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air Low Level

ppbv Prepared 11-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.049316	0.10000	< 0.38	0.77	U	EPA TO-15	11-Feb-08	WB	8020768	X
127-18-4	Tetrachloroethene	0.73000	0.10000	4.95	0.68		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.046885	0.10000	< 0.22	0.46	U	"	"	"	"	X
100-41-4	Ethylbenzene	0.13000	0.10000	0.56	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	0.40000	0.10000	1.73	0.43		"	"	"	"	X
75-25-2	Bromoform	< 0.035536	0.10000	< 0.37	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.069408	0.10000	< 0.30	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	0.15000	0.10000	0.65	0.43		"	"	"	"	X
79-34-5	1,1,1,2,2-Tetrachloroethane	< 0.076155	0.10000	< 0.52	0.69	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.086507	0.10000	< 0.43	0.49	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.088643	0.10000	< 0.44	0.49	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	0.18000	0.10000	0.88	0.49		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.070078	0.10000	< 0.42	0.60	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.078574	0.10000	< 0.40	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.080630	0.10000	< 0.48	0.60	U	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.078574	0.10000	< 0.47	0.60	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.095501	0.10000	< 0.71	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.075539	0.10000	< 0.81	1.07	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	95		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 05-Feb-08
Dilution: 1

Total Volatile Hydrocarbons C5-C12		0.0280					Mod. EPA TO-15	05-Feb-08	WB	8020517	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	89		75-125 %			"	"	"	"	
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Sample Identification

S79-INA
SA73843-03

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 11:33

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
91-20-3	Naphthalene	8.61	2.40	45.07	12.56		MA APH	04-Feb-08	WB	8020517	
Volatile Organics in Air Low Level		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
115-07-1	Propene	2.9900	0.10000	5.15	0.17		EPA TO-15	"	WB	8020410	
75-71-8	Dichlorodifluoromethane (Freon12)	0.49000	0.10000	2.42	0.49		"	"	"	"	X
74-87-3	Chloromethane	0.59000	0.10000	1.22	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0030400	0.10000	< 0.02	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.0035800	0.10000	< 0.01	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.0058400	0.10000	< 0.01	0.22	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.0043100	0.10000	< 0.02	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.0046400	0.10000	< 0.01	0.26	U	"	"	"	"	X
67-64-1	Acetone	6.9100	0.50000	16.42	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.51000	0.10000	2.87	0.56		"	"	"	"	X
64-17-5	Ethanol	48.880	0.50000	92.16	0.94	E	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	< 0.0041700	0.10000	< 0.01	0.35	U	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.0028100	0.10000	< 0.02	0.77	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.0028900	0.50000	< 0.01	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0022100	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0032300	0.10000	< 0.01	0.36	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	2.1300	0.50000	5.23	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.36000	0.10000	1.06	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.0024700	0.10000	< 0.01	0.40	U	"	"	"	"	X
110-54-3	Hexane	1.0700	0.10000	3.77	0.35		"	"	"	"	X
141-78-6	Ethyl acetate	0.92000	0.10000	3.32	0.36		"	"	"	"	
67-66-3	Chloroform	< 0.0025200	0.10000	< 0.01	0.49	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.0074400	0.10000	< 0.02	0.29	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.0027700	0.10000	< 0.01	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.0025800	0.10000	< 0.01	0.55	U	"	"	"	"	X
71-43-2	Benzene	0.49000	0.10000	1.56	0.32		"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.0031300	0.10000	< 0.02	0.63	U	"	"	"	"	X
110-82-7	Cyclohexane	0.23000	0.10000	0.79	0.34		"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0039800	0.10000	< 0.02	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.0029200	0.10000	< 0.02	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.0031200	0.10000	< 0.02	0.54	U	"	"	"	"	X
142-82-5	n-Heptane	0.51000	0.10000	2.09	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.0044400	0.10000	< 0.02	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.0029100	0.10000	< 0.01	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0047900	0.10000	< 0.02	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.0023300	0.10000	< 0.01	0.55	U	"	"	"	"	X
108-88-3	Toluene	1.1800	0.10000	4.44	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.0087100	0.10000	< 0.04	0.41	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.0021300	0.10000	< 0.02	0.85	U	"	"	"	"	X

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Sample Identification

S79-INA
SA73843-03

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 11:33

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air Low Level

ppbv Prepared 04-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.0024500	0.10000	< 0.02	0.77	U	EPA TO-15	04-Feb-08	WB	8020410	X
127-18-4	Tetrachloroethene	0.34000	0.10000	2.31	0.68		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.0022300	0.10000	< 0.01	0.46	U	"	"	"	"	X
100-41-4	Ethylbenzene	0.95000	0.10000	4.12	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	3.5400	0.10000	15.35	0.43		"	"	"	"	X
75-25-2	Bromoform	< 0.0024500	0.10000	< 0.03	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.0016500	0.10000	< 0.01	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	0.92000	0.10000	3.99	0.43		"	"	"	"	X
79-34-5	1,1,1,2-Tetrachloroethane	< 0.0016000	0.10000	< 0.01	0.69	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.0014300	0.10000	< 0.01	0.49	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0018200	0.10000	< 0.01	0.49	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	0.33000	0.10000	1.62	0.49		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.0029100	0.10000	< 0.02	0.60	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.0019800	0.10000	< 0.01	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	27.410	0.10000	164.80	0.60	E	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.0020000	0.10000	< 0.01	0.60	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.0088800	0.10000	< 0.07	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.0033000	0.10000	< 0.04	1.07	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	95		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 05-Feb-08
Dilution: 1

	Total Volatile Hydrocarbons C5-C12	0.123					Mod. EPA TO-15	05-Feb-08	WB	8020517	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	86		75-125 %			"	"	"	"	
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Sample Identification

S79-VMP1
SA73843-04

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 11:35

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Air Quality Analyses											
<u>APH Targets</u>		<u>ppbv</u>	<u>Prepared 05-Feb-08</u>								
			<u>Dilution: 1</u>								
91-20-3	Naphthalene	< 1.00	2.40	< 5.24	12.56	U	MA APH	06-Feb-08	WB	8020517	
<u>Volatile Organics in Air</u>		<u>ppbv</u>	<u>Prepared 05-Feb-08</u>								
			<u>Dilution: 1</u>								
115-07-1	Propene	1.37	0.500	2.36	0.86		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	0.440	0.500	2.18	2.47	J	"	"	"	"	X
74-87-3	Chloromethane	< 0.124	0.500	< 0.26	1.03	U	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0977	0.500	< 0.68	3.49	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.138	0.500	< 0.35	1.28	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.186	0.500	< 0.41	1.10	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.149	0.500	< 0.58	1.94	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.158	0.500	< 0.42	1.32	U	"	"	"	"	X
67-64-1	Acetone	2.97	0.500	7.06	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.310	0.500	1.74	2.81	J	"	"	"	"	X
64-17-5	Ethanol	9.84	0.500	18.55	0.94		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.124	0.500	< 0.49	1.98	U	"	"	"	"	X
75-09-2	Methylene chloride	< 0.110	0.500	< 0.38	1.74	U	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.174	0.500	< 1.33	3.83	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.0972	0.500	< 0.30	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0699	0.500	< 0.28	1.98	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.166	0.500	< 0.67	2.02	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.108	0.500	< 0.39	1.80	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	1.01	0.500	2.48	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.370	0.500	1.09	1.47	J	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.121	0.500	< 0.48	1.98	U	"	"	"	"	X
110-54-3	Hexane	< 0.0923	0.500	< 0.33	1.76	U	"	"	"	"	X
141-78-6	Ethyl acetate	< 0.154	0.500	< 0.55	1.80	U	"	"	"	"	
67-66-3	Chloroform	< 0.221	0.500	< 1.08	2.43	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.192	0.500	< 0.57	1.47	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.249	0.500	< 1.01	2.02	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.130	0.500	< 0.71	2.73	U	"	"	"	"	X
71-43-2	Benzene	< 0.124	0.500	< 0.40	1.60	U	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.221	0.500	< 1.39	3.15	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.113	0.500	< 0.39	1.72	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.143	0.500	< 0.66	2.31	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.190	0.500	< 1.27	3.35	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.153	0.500	< 0.82	2.69	U	"	"	"	"	X
142-82-5	n-Heptane	< 0.111	0.500	< 0.45	2.05	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.339	0.500	< 1.39	2.05	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.134	0.500	< 0.61	2.27	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.116	0.500	< 0.53	2.27	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.160	0.500	< 0.87	2.73	U	"	"	"	"	X
108-88-3	Toluene	< 0.122	0.500	< 0.46	1.88	U	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.289	0.500	< 1.18	2.05	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.142	0.500	< 1.21	4.26	U	"	"	"	"	X

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Sample Identification

S79-VMP1
SA73843-04

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 11:35

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air

ppbv Prepared 05-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.168	0.500	< 1.29	3.84	U	EPA TO-15	06-Feb-08	WB	8020517	X
127-18-4	Tetrachloroethene	< 0.143	0.500	< 0.97	3.39	U	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.149	0.500	< 0.69	2.30	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.141	0.500	< 0.61	2.17	U	"	"	"	"	X
179601-23-1	m,p-Xylene	0.540	1.00	2.34	4.34	J	"	"	"	"	X
75-25-2	Bromoform	< 0.190	0.500	< 1.96	5.17	U	"	"	"	"	X
100-42-5	Styrene	< 0.159	0.500	< 0.68	2.13	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.116	0.500	< 0.50	2.17	U	"	"	"	"	X
79-34-5	1,1,1,2,2-Tetrachloroethane	< 0.253	0.500	< 1.74	3.43	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.176	0.500	< 0.87	2.46	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.117	0.500	< 0.58	2.46	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.144	0.500	< 0.71	2.46	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.150	0.500	< 0.90	3.01	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.174	0.500	< 0.90	2.58	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	3.43	0.500	20.62	3.01		"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.132	0.500	< 0.79	3.01	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.223	0.500	< 1.66	3.71	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.411	0.500	< 4.38	5.33	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	94		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 05-Feb-08
Dilution: 1

	Total Volatile Hydrocarbons C5-C12	0.0510					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	94		75-125 %			"	"	"	"	
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Sample Identification

S148-VMP
SA73843-05

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 12:44

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 05-Feb-08								
			Dilution: 5								
91-20-3	Naphthalene	< 5.00	12.0	< 26.18	62.82	U	MA APH	05-Feb-08	WB	8020517	
Volatile Organics in Air		ppbv	Prepared 05-Feb-08								
			Dilution: 5								
115-07-1	Propene	7.00	2.50	12.05	4.30		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.540	2.50	< 2.67	12.36	U	"	"	"	"	X
74-87-3	Chloromethane	< 0.620	2.50	< 1.28	5.16	U	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.488	2.50	< 3.41	17.47	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.690	2.50	< 1.76	6.39	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.930	2.50	< 2.05	5.52	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.745	2.50	< 2.89	9.70	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.790	2.50	< 2.08	6.60	U	"	"	"	"	X
67-64-1	Acetone	8.80	2.50	20.91	5.94		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.985	2.50	< 5.54	14.05	U	"	"	"	"	X
64-17-5	Ethanol	464	2.50	874.86	4.71		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.620	2.50	< 2.46	9.92	U	"	"	"	"	X
75-09-2	Methylene chloride	< 0.550	2.50	< 1.91	8.68	U	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.870	2.50	< 6.67	19.16	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.486	2.50	< 1.51	7.78	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.350	2.50	< 1.39	9.91	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.830	2.50	< 3.36	10.12	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.540	2.50	< 1.95	9.02	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	< 0.462	2.50	< 1.13	6.13	U	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 0.525	2.50	< 1.55	7.37	U	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.605	2.50	< 2.40	9.91	U	"	"	"	"	X
110-54-3	Hexane	< 0.462	2.50	< 1.63	8.81	U	"	"	"	"	X
141-78-6	Ethyl acetate	< 0.770	2.50	< 2.77	9.01	U	"	"	"	"	
67-66-3	Chloroform	< 1.10	2.50	< 5.35	12.17	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.960	2.50	< 2.83	7.37	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.24	2.50	< 5.02	10.12	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.650	2.50	< 3.55	13.64	U	"	"	"	"	X
71-43-2	Benzene	< 0.620	2.50	< 1.98	7.98	U	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.10	2.50	< 6.92	15.73	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.565	2.50	< 1.94	8.61	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.715	2.50	< 3.30	11.55	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.950	2.50	< 6.36	16.75	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.765	2.50	< 4.11	13.44	U	"	"	"	"	X
142-82-5	n-Heptane	< 0.555	2.50	< 2.27	10.25	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 1.70	2.50	< 6.97	10.25	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.670	2.50	< 3.04	11.35	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.580	2.50	< 2.63	11.35	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.800	2.50	< 4.36	13.64	U	"	"	"	"	X
108-88-3	Toluene	< 0.610	2.50	< 2.30	9.41	U	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 1.44	2.50	< 5.90	10.25	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.710	2.50	< 6.05	21.30	U	"	"	"	"	X

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Sample Identification

S148-VMP
SA73843-05

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 12:44

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air

ppbv Prepared 05-Feb-08
Dilution: 5

106-93-4	1,2-Dibromoethane (EDB)	< 0.840	2.50	< 6.46	19.21	U	EPA TO-15	05-Feb-08	WB	8020517	X
127-18-4	Tetrachloroethene	< 0.715	2.50	< 4.85	16.95	U	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.745	2.50	< 3.43	11.51	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.705	2.50	< 3.06	10.84	U	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.23	5.00	< 5.33	21.68	U	"	"	"	"	X
75-25-2	Bromoform	< 0.950	2.50	< 9.82	25.84	U	"	"	"	"	X
100-42-5	Styrene	< 0.795	2.50	< 3.38	10.63	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.580	2.50	< 2.51	10.84	U	"	"	"	"	X
79-34-5	1,1,1,2,2-Tetrachloroethane	< 1.26	2.50	< 8.65	17.17	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.880	2.50	< 4.33	12.29	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.585	2.50	< 2.88	12.29	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.720	2.50	< 3.54	12.29	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.750	2.50	< 4.51	15.03	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.870	2.50	< 4.48	12.88	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.715	2.50	< 4.30	15.03	U	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.660	2.50	< 3.97	15.03	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.12	2.50	< 8.31	18.56	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.06	2.50	< 21.96	26.66	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	84		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 05-Feb-08
Dilution: 5

	Total Volatile Hydrocarbons C5-C12	0.510					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	84		75-125 %			"	"	"	"	
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Sample Identification

S148-INA
SA73843-06

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 12:45

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 11-Feb-08								
			Dilution: 8								
91-20-3	Naphthalene	< 8.00	19.2	< 41.88	100.52	U	MA APH	11-Feb-08	WB	8020756	
Volatile Organics in Air		ppbv	Prepared 11-Feb-08								
			Dilution: 8								
115-07-1	Propene	< 2.42	4.00	< 4.16	6.88	U	EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.864	4.00	< 4.27	19.78	U	"	"	"	"	X
74-87-3	Chloromethane	< 0.992	4.00	< 2.05	8.26	U	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.782	4.00	< 5.47	27.96	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.10	4.00	< 2.81	10.22	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 1.49	4.00	< 3.29	8.83	U	"	"	"	"	X
74-83-9	Bromomethane	< 1.19	4.00	< 4.62	15.53	U	"	"	"	"	X
75-00-3	Chloroethane	< 1.26	4.00	< 3.32	10.55	U	"	"	"	"	X
67-64-1	Acetone	8.88	4.00	21.10	9.51		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.58	4.00	< 8.88	22.48	U	"	"	"	"	X
64-17-5	Ethanol	482	4.00	908.80	7.54		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.992	4.00	< 3.94	15.87	U	"	"	"	"	X
75-09-2	Methylene chloride	< 0.880	4.00	< 3.06	13.89	U	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.39	4.00	< 10.65	30.66	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.778	4.00	< 2.42	12.45	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.559	4.00	< 2.22	15.86	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.33	4.00	< 5.39	16.20	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.864	4.00	< 3.12	14.43	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	2.48	4.00	6.09	9.82	J	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 0.840	4.00	< 2.48	11.80	U	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.968	4.00	< 3.84	15.86	U	"	"	"	"	X
110-54-3	Hexane	< 0.738	4.00	< 2.60	14.10	U	"	"	"	"	X
141-78-6	Ethyl acetate	< 1.23	4.00	< 4.43	14.41	U	"	"	"	"	
67-66-3	Chloroform	< 1.77	4.00	< 8.61	19.47	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1.54	4.00	< 4.54	11.80	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.99	4.00	< 8.06	16.20	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.04	4.00	< 5.67	21.82	U	"	"	"	"	X
71-43-2	Benzene	< 0.992	4.00	< 3.16	12.76	U	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.77	4.00	< 11.13	25.16	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.904	4.00	< 3.11	13.77	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.14	4.00	< 5.27	18.49	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 1.52	4.00	< 10.18	26.80	U	"	"	"	"	X
79-01-6	Trichloroethene	< 1.22	4.00	< 6.56	21.50	U	"	"	"	"	X
142-82-5	n-Heptane	< 0.888	4.00	< 3.64	16.39	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.71	4.00	< 11.11	16.39	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 1.07	4.00	< 4.86	18.16	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.928	4.00	< 4.21	18.16	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.28	4.00	< 6.98	21.82	U	"	"	"	"	X
108-88-3	Toluene	< 0.976	4.00	< 3.67	15.05	U	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.31	4.00	< 9.47	16.39	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 1.14	4.00	< 9.71	34.08	U	"	"	"	"	X

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Sample Identification

S148-INA
SA73843-06

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 12:45

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air

ppbv Prepared 11-Feb-08
Dilution: 8

106-93-4	1,2-Dibromoethane (EDB)	< 1.34	4.00	< 10.30	30.74	U	EPA TO-15	11-Feb-08	WB	8020756	X
127-18-4	Tetrachloroethene	< 1.14	4.00	< 7.73	27.12	U	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.19	4.00	< 5.48	18.42	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.13	4.00	< 4.90	17.34	U	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.97	8.00	< 8.54	34.68	U	"	"	"	"	X
75-25-2	Bromoform	< 1.52	4.00	< 15.71	41.34	U	"	"	"	"	X
100-42-5	Styrene	< 1.27	4.00	< 5.40	17.01	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.928	4.00	< 4.02	17.34	U	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 2.02	4.00	< 13.87	27.47	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.41	4.00	< 6.93	19.66	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.936	4.00	< 4.60	19.66	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.15	4.00	< 5.65	19.66	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.20	4.00	< 7.21	24.05	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 1.39	4.00	< 7.16	20.61	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.14	4.00	< 6.85	24.05	U	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.06	4.00	< 6.37	24.05	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.78	4.00	< 13.21	29.69	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 3.29	4.00	< 35.08	42.65	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	96		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 11-Feb-08
Dilution: 8

	Total Volatile Hydrocarbons C5-C12	0.142					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	96		75-125 %			"	"	"	"	
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Sample Identification

S313-VMP
SA73843-07

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 13:16

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
91-20-3	Naphthalene	< 1.00	2.40	< 5.24	12.56	U	MA APH	04-Feb-08	WB	8020410	
Volatile Organics in Air Low Level		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
115-07-1	Propene	< 0.0021800	0.10000	< 0.00	0.17	U	EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	0.50000	0.10000	2.47	0.49		"	"	"	"	X
74-87-3	Chloromethane	< 0.0033000	0.10000	< 0.01	0.21	U	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0030400	0.10000	< 0.02	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.0035800	0.10000	< 0.01	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.0058400	0.10000	< 0.01	0.22	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.0043100	0.10000	< 0.02	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.0046400	0.10000	< 0.01	0.26	U	"	"	"	"	X
67-64-1	Acetone	2.8500	0.50000	6.77	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.41000	0.10000	2.30	0.56		"	"	"	"	X
64-17-5	Ethanol	< 0.0026900	0.50000	< 0.01	0.94	U	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	< 0.0041700	0.10000	< 0.01	0.35	U	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.0028100	0.10000	< 0.02	0.77	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.0028900	0.50000	< 0.01	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0022100	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0032300	0.10000	< 0.01	0.36	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	8.6600	0.50000	21.25	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.68000	0.10000	2.01	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.0024700	0.10000	< 0.01	0.40	U	"	"	"	"	X
110-54-3	Hexane	< 0.0039900	0.10000	< 0.01	0.35	U	"	"	"	"	X
141-78-6	Ethyl acetate	< 0.0043900	0.10000	< 0.02	0.36	U	"	"	"	"	
67-66-3	Chloroform	0.26000	0.10000	1.27	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.0074400	0.10000	< 0.02	0.29	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.0027700	0.10000	< 0.01	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.0025800	0.10000	< 0.01	0.55	U	"	"	"	"	X
71-43-2	Benzene	0.11000	0.10000	0.35	0.32		"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.0031300	0.10000	< 0.02	0.63	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.0094200	0.10000	< 0.03	0.34	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0039800	0.10000	< 0.02	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.0029200	0.10000	< 0.02	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.0031200	0.10000	< 0.02	0.54	U	"	"	"	"	X
142-82-5	n-Heptane	< 0.0039600	0.10000	< 0.02	0.41	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.0044400	0.10000	< 0.02	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.0029100	0.10000	< 0.01	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0047900	0.10000	< 0.02	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.0023300	0.10000	< 0.01	0.55	U	"	"	"	"	X
108-88-3	Toluene	< 0.0021700	0.10000	< 0.01	0.38	U	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	0.10000	0.10000	0.41	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.0021300	0.10000	< 0.02	0.85	U	"	"	"	"	X

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Sample Identification

S313-VMP
SA73843-07

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 13:16

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air Low Level

ppbv Prepared 04-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.0024500	0.10000	< 0.02	0.77	U	EPA TO-15	04-Feb-08	WB	8020410	X
127-18-4	Tetrachloroethene	2.3200	0.10000	15.73	0.68		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.0022300	0.10000	< 0.01	0.46	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.0013700	0.10000	< 0.01	0.43	U	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.0043400	0.10000	< 0.02	0.43	U	"	"	"	"	X
75-25-2	Bromoform	< 0.0024500	0.10000	< 0.03	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.0016500	0.10000	< 0.01	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.0018400	0.10000	< 0.01	0.43	U	"	"	"	"	X
79-34-5	1,1,1,2-Tetrachloroethane	< 0.0016000	0.10000	< 0.01	0.69	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.0014300	0.10000	< 0.01	0.49	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0018200	0.10000	< 0.01	0.49	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.0015400	0.10000	< 0.01	0.49	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.0029100	0.10000	< 0.02	0.60	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.0019800	0.10000	< 0.01	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.0023600	0.10000	< 0.01	0.60	U	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.0020000	0.10000	< 0.01	0.60	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.0088800	0.10000	< 0.07	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.0033000	0.10000	< 0.04	1.07	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	89		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 04-Feb-08
Dilution: 1

Total Volatile Hydrocarbons C5-C12		0.0567					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	89		75-125 %			"	"	"	"	
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Sample Identification

S313-INA
SA73843-08

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 13:31

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 05-Feb-08								
			Dilution: 2								
91-20-3	Naphthalene	< 2.00	4.80	< 10.47	25.13	U	MA APH	05-Feb-08	WB	8020517	
Volatile Organics in Air		ppbv	Prepared 05-Feb-08								
			Dilution: 2								
115-07-1	Propene	3.04	1.00	5.23	1.72		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.216	1.00	< 1.07	4.94	U	"	"	"	"	X
74-87-3	Chloromethane	0.680	1.00	1.40	2.07	J	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.195	1.00	< 1.36	6.99	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.276	1.00	< 0.71	2.56	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.372	1.00	< 0.82	2.21	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.298	1.00	< 1.16	3.88	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.316	1.00	< 0.83	2.64	U	"	"	"	"	X
67-64-1	Acetone	10.9	1.00	25.90	2.38		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.394	1.00	< 2.21	5.62	U	"	"	"	"	X
64-17-5	Ethanol	111	1.00	209.29	1.89		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.248	1.00	< 0.98	3.97	U	"	"	"	"	X
75-09-2	Methylene chloride	< 0.220	1.00	< 0.76	3.47	U	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.348	1.00	< 2.67	7.66	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.194	1.00	< 0.60	3.11	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.140	1.00	< 0.56	3.97	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.332	1.00	< 1.34	4.05	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.216	1.00	< 0.78	3.61	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	124	1.00	304.29	2.45		"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.620	1.00	1.83	2.95	J	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.242	1.00	< 0.96	3.97	U	"	"	"	"	X
110-54-3	Hexane	< 0.185	1.00	< 0.65	3.53	U	"	"	"	"	X
141-78-6	Ethyl acetate	< 0.308	1.00	< 1.11	3.60	U	"	"	"	"	
67-66-3	Chloroform	< 0.442	1.00	< 2.15	4.87	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.384	1.00	< 1.13	2.95	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.498	1.00	< 2.02	4.05	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.260	1.00	< 1.42	5.46	U	"	"	"	"	X
71-43-2	Benzene	< 0.248	1.00	< 0.79	3.19	U	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.442	1.00	< 2.78	6.29	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.226	1.00	< 0.78	3.44	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.286	1.00	< 1.32	4.62	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.380	1.00	< 2.55	6.70	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.306	1.00	< 1.64	5.37	U	"	"	"	"	X
142-82-5	n-Heptane	< 0.222	1.00	< 0.91	4.10	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.678	1.00	< 2.78	4.10	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.268	1.00	< 1.22	4.54	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.232	1.00	< 1.05	4.54	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.320	1.00	< 1.75	5.46	U	"	"	"	"	X
108-88-3	Toluene	0.840	1.00	3.16	3.76	J	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.578	1.00	< 2.37	4.10	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.284	1.00	< 2.42	8.52	U	"	"	"	"	X

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Sample Identification

S313-INA
SA73843-08

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 13:31

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air

ppbv Prepared 05-Feb-08
Dilution: 2

106-93-4	1,2-Dibromoethane (EDB)	< 0.336	1.00	< 2.58	7.69	U	EPA TO-15	05-Feb-08	WB	8020517	X
127-18-4	Tetrachloroethene	< 0.286	1.00	< 1.94	6.78	U	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.298	1.00	< 1.37	4.61	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.282	1.00	< 1.22	4.34	U	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.492	2.00	< 2.13	8.67	U	"	"	"	"	X
75-25-2	Bromoform	< 0.380	1.00	< 3.93	10.34	U	"	"	"	"	X
100-42-5	Styrene	< 0.318	1.00	< 1.35	4.25	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.232	1.00	< 1.01	4.34	U	"	"	"	"	X
79-34-5	1,1,1,2-Tetrachloroethane	< 0.506	1.00	< 3.47	6.87	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.352	1.00	< 1.73	4.92	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.234	1.00	< 1.15	4.92	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.288	1.00	< 1.42	4.92	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.300	1.00	< 1.80	6.01	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.348	1.00	< 1.79	5.15	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.286	1.00	< 1.72	6.01	U	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.264	1.00	< 1.59	6.01	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.446	1.00	< 3.31	7.42	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.822	1.00	< 8.76	10.66	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	84		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 05-Feb-08
Dilution: 2

Total Volatile Hydrocarbons C5-C12		0.238					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	84		75-125 %			"	"	"	"	
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Sample Identification

S27-VMP2
SA73843-09

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 15:10

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
91-20-3	Naphthalene	< 1.00	2.40	< 5.24	12.56	U	MA APH	04-Feb-08	WB	8020410	
Volatile Organics in Air Low Level		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
115-07-1	Propene	0.24000	0.10000	0.41	0.17		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	0.36000	0.10000	1.78	0.49		"	"	"	"	X
74-87-3	Chloromethane	0.12000	0.10000	0.25	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0030400	0.10000	< 0.02	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.0035800	0.10000	< 0.01	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.0058400	0.10000	< 0.01	0.22	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.0043100	0.10000	< 0.02	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.0046400	0.10000	< 0.01	0.26	U	"	"	"	"	X
67-64-1	Acetone	4.9400	0.50000	11.74	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.23000	0.10000	1.29	0.56		"	"	"	"	X
64-17-5	Ethanol	48.000	0.50000	90.50	0.94	E	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	1.7100	0.10000	5.94	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.0028100	0.10000	< 0.02	0.77	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.0028900	0.50000	< 0.01	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0022100	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0032300	0.10000	< 0.01	0.36	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	3.9900	0.50000	9.79	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.76000	0.10000	2.24	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.0024700	0.10000	< 0.01	0.40	U	"	"	"	"	X
110-54-3	Hexane	< 0.0039900	0.10000	< 0.01	0.35	U	"	"	"	"	X
141-78-6	Ethyl acetate	0.14000	0.10000	0.50	0.36		"	"	"	"	
67-66-3	Chloroform	< 0.0025200	0.10000	< 0.01	0.49	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.0074400	0.10000	< 0.02	0.29	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.0027700	0.10000	< 0.01	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.0025800	0.10000	< 0.01	0.55	U	"	"	"	"	X
71-43-2	Benzene	< 0.0015500	0.10000	< 0.00	0.32	U	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.0031300	0.10000	< 0.02	0.63	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.0094200	0.10000	< 0.03	0.34	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0039800	0.10000	< 0.02	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.0029200	0.10000	< 0.02	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.0031200	0.10000	< 0.02	0.54	U	"	"	"	"	X
142-82-5	n-Heptane	< 0.0039600	0.10000	< 0.02	0.41	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.0044400	0.10000	< 0.02	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.0029100	0.10000	< 0.01	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0047900	0.10000	< 0.02	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.0023300	0.10000	< 0.01	0.55	U	"	"	"	"	X
108-88-3	Toluene	0.22000	0.10000	0.83	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.0087100	0.10000	< 0.04	0.41	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.0021300	0.10000	< 0.02	0.85	U	"	"	"	"	X

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Sample Identification

S27-VMP2
SA73843-09

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 15:10

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air Low Level

ppbv Prepared 04-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.0024500	0.10000	< 0.02	0.77	U	EPA TO-15	04-Feb-08	WB	8020410	X
127-18-4	Tetrachloroethene	0.20000	0.10000	1.36	0.68		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.0022300	0.10000	< 0.01	0.46	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.0013700	0.10000	< 0.01	0.43	U	"	"	"	"	X
179601-23-1	m,p-Xylene	0.23000	0.10000	1.00	0.43		"	"	"	"	X
75-25-2	Bromoform	< 0.0024500	0.10000	< 0.03	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.0016500	0.10000	< 0.01	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.0018400	0.10000	< 0.01	0.43	U	"	"	"	"	X
79-34-5	1,1,1,2-Tetrachloroethane	< 0.0016000	0.10000	< 0.01	0.69	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.0014300	0.10000	< 0.01	0.49	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0018200	0.10000	< 0.01	0.49	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	0.10000	0.10000	0.49	0.49		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.0029100	0.10000	< 0.02	0.60	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.0019800	0.10000	< 0.01	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.0023600	0.10000	< 0.01	0.60	U	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.0020000	0.10000	< 0.01	0.60	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.0088800	0.10000	< 0.07	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.0033000	0.10000	< 0.04	1.07	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	94		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 05-Feb-08
Dilution: 1

Total Volatile Hydrocarbons C5-C12		0.0540					Mod. EPA TO-15	05-Feb-08	WB	8020517	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	94		75-125 %			"	"	"	"	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

S27-INA
SA73843-10Client Project #
CG-07-0282Matrix
AirCollection Date/Time
24-Jan-08 15:12Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 05-Feb-08								
			Dilution: 10								
91-20-3	Naphthalene	< 10.0	24.0	< 52.35	125.64	U	MA APH	05-Feb-08	WB	8020517	
Volatile Organics in Air		ppbv	Prepared 05-Feb-08								
			Dilution: 10								
115-07-1	Propene	5.30	5.00	9.12	8.61		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 1.08	5.00	< 5.34	24.72	U	"	"	"	"	X
74-87-3	Chloromethane	< 1.24	5.00	< 2.56	10.33	U	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.977	5.00	< 6.83	34.95	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.38	5.00	< 3.53	12.78	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 1.86	5.00	< 4.11	11.04	U	"	"	"	"	X
74-83-9	Bromomethane	< 1.49	5.00	< 5.78	19.41	U	"	"	"	"	X
75-00-3	Chloroethane	< 1.58	5.00	< 4.17	13.19	U	"	"	"	"	X
67-64-1	Acetone	29.3	5.00	69.62	11.88		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.97	5.00	< 11.07	28.10	U	"	"	"	"	X
64-17-5	Ethanol	417	5.00	786.25	9.43		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.24	5.00	< 4.92	19.84	U	"	"	"	"	X
75-09-2	Methylene chloride	20.2	5.00	70.14	17.36		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.74	5.00	< 13.34	38.32	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.972	5.00	< 3.03	15.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.699	5.00	< 2.77	19.83	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.66	5.00	< 6.72	20.25	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.08	5.00	< 3.90	18.04	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	39.1	5.00	95.95	12.27		"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.05	5.00	< 3.10	14.74	U	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.21	5.00	< 4.80	19.83	U	"	"	"	"	X
110-54-3	Hexane	< 0.923	5.00	< 3.25	17.63	U	"	"	"	"	X
141-78-6	Ethyl acetate	< 1.54	5.00	< 5.55	18.02	U	"	"	"	"	
67-66-3	Chloroform	< 2.21	5.00	< 10.76	24.34	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 1.92	5.00	< 5.66	14.74	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 2.49	5.00	< 10.08	20.25	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.30	5.00	< 7.09	27.28	U	"	"	"	"	X
71-43-2	Benzene	< 1.24	5.00	< 3.96	15.95	U	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 2.21	5.00	< 13.90	31.45	U	"	"	"	"	X
110-82-7	Cyclohexane	< 1.13	5.00	< 3.89	17.21	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.43	5.00	< 6.61	23.11	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 1.90	5.00	< 12.73	33.50	U	"	"	"	"	X
79-01-6	Trichloroethene	< 1.53	5.00	< 8.22	26.87	U	"	"	"	"	X
142-82-5	n-Heptane	< 1.11	5.00	< 4.55	20.49	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 3.39	5.00	< 13.89	20.49	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 1.34	5.00	< 6.08	22.70	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 1.16	5.00	< 5.27	22.70	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.60	5.00	< 8.73	27.28	U	"	"	"	"	X
108-88-3	Toluene	< 1.22	5.00	< 4.59	18.81	U	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.89	5.00	< 11.84	20.49	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 1.42	5.00	< 12.10	42.60	U	"	"	"	"	X

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Sample Identification

S27-INA
SA73843-10

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 15:12

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air

ppbv Prepared 05-Feb-08
Dilution: 10

106-93-4	1,2-Dibromoethane (EDB)	< 1.68	5.00	< 12.91	38.43	U	EPA TO-15	05-Feb-08	WB	8020517	X
127-18-4	Tetrachloroethene	< 1.43	5.00	< 9.70	33.91	U	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.49	5.00	< 6.86	23.03	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.41	5.00	< 6.11	21.68	U	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.46	10.0	< 10.67	43.35	U	"	"	"	"	X
75-25-2	Bromoform	< 1.90	5.00	< 19.64	51.68	U	"	"	"	"	X
100-42-5	Styrene	< 1.59	5.00	< 6.76	21.27	U	"	"	"	"	X
95-47-6	o-Xylene	< 1.16	5.00	< 5.03	21.68	U	"	"	"	"	X
79-34-5	1,1,1,2,2-Tetrachloroethane	< 2.53	5.00	< 17.37	34.34	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.76	5.00	< 8.65	24.58	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 1.17	5.00	< 5.75	24.58	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.44	5.00	< 7.08	24.58	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.50	5.00	< 9.02	30.06	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 1.74	5.00	< 8.97	25.77	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.43	5.00	< 8.60	30.06	U	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.32	5.00	< 7.94	30.06	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 2.23	5.00	< 16.55	37.12	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 4.11	5.00	< 43.82	53.31	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	88		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 05-Feb-08
Dilution: 10

	Total Volatile Hydrocarbons C5-C12	0.262					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	88		75-125 %			"	"	"	"	
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Sample Identification

S27-VMP1
SA73843-11

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 15:16

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
91-20-3	Naphthalene	< 1.00	2.40	< 5.24	12.56	U	MA APH	05-Feb-08	WB	8020410	
Volatile Organics in Air Low Level		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
115-07-1	Propene	0.26000	0.10000	0.45	0.17		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	0.62000	0.10000	3.07	0.49		"	"	"	"	X
74-87-3	Chloromethane	0.15000	0.10000	0.31	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0030400	0.10000	< 0.02	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.0035800	0.10000	< 0.01	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.0058400	0.10000	< 0.01	0.22	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.0043100	0.10000	< 0.02	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.0046400	0.10000	< 0.01	0.26	U	"	"	"	"	X
67-64-1	Acetone	4.2800	0.50000	10.17	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.52000	0.10000	2.92	0.56		"	"	"	"	X
64-17-5	Ethanol	3.1900	0.50000	6.01	0.94		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	3.0700	0.10000	10.66	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.0028100	0.10000	< 0.02	0.77	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.0028900	0.50000	< 0.01	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0022100	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0032300	0.10000	< 0.01	0.36	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	0.52000	0.50000	1.28	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	1.0100	0.10000	2.98	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.0024700	0.10000	< 0.01	0.40	U	"	"	"	"	X
110-54-3	Hexane	< 0.0039900	0.10000	< 0.01	0.35	U	"	"	"	"	X
141-78-6	Ethyl acetate	< 0.0043900	0.10000	< 0.02	0.36	U	"	"	"	"	
67-66-3	Chloroform	0.15000	0.10000	0.73	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	0.15000	0.10000	0.44	0.29		"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.0027700	0.10000	< 0.01	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.0025800	0.10000	< 0.01	0.55	U	"	"	"	"	X
71-43-2	Benzene	< 0.0015500	0.10000	< 0.00	0.32	U	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.0031300	0.10000	< 0.02	0.63	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.0094200	0.10000	< 0.03	0.34	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0039800	0.10000	< 0.02	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.0029200	0.10000	< 0.02	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.0031200	0.10000	< 0.02	0.54	U	"	"	"	"	X
142-82-5	n-Heptane	0.33000	0.10000	1.35	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.0044400	0.10000	< 0.02	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.0029100	0.10000	< 0.01	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0047900	0.10000	< 0.02	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.0023300	0.10000	< 0.01	0.55	U	"	"	"	"	X
108-88-3	Toluene	0.12000	0.10000	0.45	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.0087100	0.10000	< 0.04	0.41	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.0021300	0.10000	< 0.02	0.85	U	"	"	"	"	X

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Sample Identification

S27-VMP1
SA73843-11

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 15:16

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air Low Level

ppbv Prepared 04-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.0024500	0.10000	< 0.02	0.77	U	EPA TO-15	05-Feb-08	WB	8020410	X
127-18-4	Tetrachloroethene	2.2000	0.10000	14.92	0.68		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.0022300	0.10000	< 0.01	0.46	U	"	"	"	"	X
100-41-4	Ethylbenzene	0.13000	0.10000	0.56	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	0.33000	0.10000	1.43	0.43		"	"	"	"	X
75-25-2	Bromoform	< 0.0024500	0.10000	< 0.03	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.0016500	0.10000	< 0.01	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	0.10000	0.10000	0.43	0.43		"	"	"	"	X
79-34-5	1,1,1,2,2-Tetrachloroethane	< 0.0016000	0.10000	< 0.01	0.69	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	0.14000	0.10000	0.69	0.49		"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0018200	0.10000	< 0.01	0.49	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	0.21000	0.10000	1.03	0.49		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.0029100	0.10000	< 0.02	0.60	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.0019800	0.10000	< 0.01	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	0.14000	0.10000	0.84	0.60		"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.0020000	0.10000	< 0.01	0.60	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.0088800	0.10000	< 0.07	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.0033000	0.10000	< 0.04	1.07	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	88		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 04-Feb-08
Dilution: 1

	Total Volatile Hydrocarbons C5-C12	0.0462					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	88		75-125 %			"	"	"	"	
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Sample Identification

S220-AOA
SA73843-12

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 16:42

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
91-20-3	Naphthalene	< 1.00	2.40	< 5.24	12.56	U	MA APH	05-Feb-08	WB	8020410	
Volatile Organics in Air Low Level		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
115-07-1	Propene	1.5200	0.10000	2.62	0.17		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	0.45000	0.10000	2.23	0.49		"	"	"	"	X
74-87-3	Chloromethane	0.65000	0.10000	1.34	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0030400	0.10000	< 0.02	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.0035800	0.10000	< 0.01	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.0058400	0.10000	< 0.01	0.22	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.0043100	0.10000	< 0.02	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.0046400	0.10000	< 0.01	0.26	U	"	"	"	"	X
67-64-1	Acetone	2.9800	0.50000	7.08	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.27000	0.10000	1.52	0.56		"	"	"	"	X
64-17-5	Ethanol	12.570	0.50000	23.70	0.94	E	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	0.25000	0.10000	0.87	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.0028100	0.10000	< 0.02	0.77	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.0028900	0.50000	< 0.01	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0022100	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0032300	0.10000	< 0.01	0.36	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	1.5100	0.50000	3.71	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.26000	0.10000	0.77	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.0024700	0.10000	< 0.01	0.40	U	"	"	"	"	X
110-54-3	Hexane	0.37000	0.10000	1.30	0.35		"	"	"	"	X
141-78-6	Ethyl acetate	< 0.0043900	0.10000	< 0.02	0.36	U	"	"	"	"	
67-66-3	Chloroform	< 0.0025200	0.10000	< 0.01	0.49	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.0074400	0.10000	< 0.02	0.29	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.0027700	0.10000	< 0.01	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.0025800	0.10000	< 0.01	0.55	U	"	"	"	"	X
71-43-2	Benzene	0.61000	0.10000	1.95	0.32		"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.0031300	0.10000	< 0.02	0.63	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.0094200	0.10000	< 0.03	0.34	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0039800	0.10000	< 0.02	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.0029200	0.10000	< 0.02	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.0031200	0.10000	< 0.02	0.54	U	"	"	"	"	X
142-82-5	n-Heptane	0.13000	0.10000	0.53	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.0044400	0.10000	< 0.02	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.0029100	0.10000	< 0.01	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0047900	0.10000	< 0.02	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.0023300	0.10000	< 0.01	0.55	U	"	"	"	"	X
108-88-3	Toluene	0.64000	0.10000	2.41	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.0087100	0.10000	< 0.04	0.41	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.0021300	0.10000	< 0.02	0.85	U	"	"	"	"	X

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Sample Identification

S220-AOA
SA73843-12

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 16:42

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
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Air Quality Analyses

Volatile Organics in Air Low Level

ppbv Prepared 04-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.0024500	0.10000	< 0.02	0.77	U	EPA TO-15	05-Feb-08	WB	8020410	X
127-18-4	Tetrachloroethene	0.12000	0.10000	0.81	0.68		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.0022300	0.10000	< 0.01	0.46	U	"	"	"	"	X
100-41-4	Ethylbenzene	0.16000	0.10000	0.69	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	0.50000	0.10000	2.17	0.43		"	"	"	"	X
75-25-2	Bromoform	< 0.0024500	0.10000	< 0.03	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.0016500	0.10000	< 0.01	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	0.18000	0.10000	0.78	0.43		"	"	"	"	X
79-34-5	1,1,1,2-Tetrachloroethane	< 0.0016000	0.10000	< 0.01	0.69	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.0014300	0.10000	< 0.01	0.49	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0018200	0.10000	< 0.01	0.49	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	0.23000	0.10000	1.13	0.49		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.0029100	0.10000	< 0.02	0.60	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.0019800	0.10000	< 0.01	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	0.14000	0.10000	0.84	0.60		"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.0020000	0.10000	< 0.01	0.60	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.0088800	0.10000	< 0.07	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.0033000	0.10000	< 0.04	1.07	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	91		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 05-Feb-08
Dilution: 1

Total Volatile Hydrocarbons C5-C12		0.0383					Mod. EPA TO-15	05-Feb-08	WB	8020517	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	87		75-125 %			"	"	"	"	
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Sample Identification

S220-INA
SA73843-13

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 16:48

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
91-20-3	Naphthalene	< 1.00	2.40	< 5.24	12.56	U	MA APH	05-Feb-08	WB	8020410	
Volatile Organics in Air Low Level		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
115-07-1	Propene	1.2300	0.10000	2.12	0.17		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	0.45000	0.10000	2.23	0.49		"	"	"	"	X
74-87-3	Chloromethane	0.63000	0.10000	1.30	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0030400	0.10000	< 0.02	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.0035800	0.10000	< 0.01	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	0.20000	0.10000	0.44	0.22		"	"	"	"	X
74-83-9	Bromomethane	< 0.0043100	0.10000	< 0.02	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.0046400	0.10000	< 0.01	0.26	U	"	"	"	"	X
67-64-1	Acetone	4.6400	0.50000	11.03	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.42000	0.10000	2.36	0.56		"	"	"	"	X
64-17-5	Ethanol	76.090	0.50000	143.47	0.94	E	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	0.37000	0.10000	1.28	0.35		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.0028100	0.10000	< 0.02	0.77	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.0028900	0.50000	< 0.01	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0022100	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0032300	0.10000	< 0.01	0.36	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	23.790	0.50000	58.38	1.23	E	"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.48000	0.10000	1.42	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.0024700	0.10000	< 0.01	0.40	U	"	"	"	"	X
110-54-3	Hexane	0.59000	0.10000	2.08	0.35		"	"	"	"	X
141-78-6	Ethyl acetate	0.21000	0.10000	0.76	0.36		"	"	"	"	
67-66-3	Chloroform	< 0.0025200	0.10000	< 0.01	0.49	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.0074400	0.10000	< 0.02	0.29	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.0027700	0.10000	< 0.01	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	0.17000	0.10000	0.93	0.55		"	"	"	"	X
71-43-2	Benzene	0.48000	0.10000	1.53	0.32		"	"	"	"	X
56-23-5	Carbon tetrachloride	0.15000	0.10000	0.94	0.63		"	"	"	"	X
110-82-7	Cyclohexane	< 0.0094200	0.10000	< 0.03	0.34	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0039800	0.10000	< 0.02	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.0029200	0.10000	< 0.02	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.0031200	0.10000	< 0.02	0.54	U	"	"	"	"	X
142-82-5	n-Heptane	0.19000	0.10000	0.78	0.41		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.0044400	0.10000	< 0.02	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.0029100	0.10000	< 0.01	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0047900	0.10000	< 0.02	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.0023300	0.10000	< 0.01	0.55	U	"	"	"	"	X
108-88-3	Toluene	1.1800	0.10000	4.44	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.0087100	0.10000	< 0.04	0.41	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.0021300	0.10000	< 0.02	0.85	U	"	"	"	"	X

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Sample Identification

S220-INA
SA73843-13

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 16:48

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air Low Level

ppbv Prepared 04-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.0024500	0.10000	< 0.02	0.77	U	EPA TO-15	05-Feb-08	WB	8020410	X
127-18-4	Tetrachloroethene	0.23000	0.10000	1.56	0.68		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.0022300	0.10000	< 0.01	0.46	U	"	"	"	"	X
100-41-4	Ethylbenzene	0.16000	0.10000	0.69	0.43		"	"	"	"	X
179601-23-1	m,p-Xylene	0.48000	0.10000	2.08	0.43		"	"	"	"	X
75-25-2	Bromoform	< 0.0024500	0.10000	< 0.03	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.0016500	0.10000	< 0.01	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	0.17000	0.10000	0.74	0.43		"	"	"	"	X
79-34-5	1,1,1,2-Tetrachloroethane	< 0.0016000	0.10000	< 0.01	0.69	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.0014300	0.10000	< 0.01	0.49	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0018200	0.10000	< 0.01	0.49	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	0.25000	0.10000	1.23	0.49		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	0.82000	0.10000	4.93	0.60		"	"	"	"	X
100-44-7	Benzyl chloride	< 0.0019800	0.10000	< 0.01	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	0.89000	0.10000	5.35	0.60		"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.0020000	0.10000	< 0.01	0.60	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.0088800	0.10000	< 0.07	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.0033000	0.10000	< 0.04	1.07	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	92		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 11-Feb-08
Dilution: 1

Total Volatile Hydrocarbons C5-C12		0.0941					Mod. EPA TO-15	11-Feb-08	WB	8020756	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	96		75-125 %			"	"	"	"	
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Sample Identification

S220-VMP
SA73843-14

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 16:52

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
91-20-3	Naphthalene	< 1.00	2.40	< 5.24	12.56	U	MA APH	05-Feb-08	WB	8020410	
Volatile Organics in Air Low Level		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
115-07-1	Propene	0.24000	0.10000	0.41	0.17		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	0.46000	0.10000	2.27	0.49		"	"	"	"	X
74-87-3	Chloromethane	< 0.0033000	0.10000	< 0.01	0.21	U	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0030400	0.10000	< 0.02	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.0035800	0.10000	< 0.01	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.0058400	0.10000	< 0.01	0.22	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.0043100	0.10000	< 0.02	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.0046400	0.10000	< 0.01	0.26	U	"	"	"	"	X
67-64-1	Acetone	5.9100	0.50000	14.04	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.80000	0.10000	4.50	0.56		"	"	"	"	X
64-17-5	Ethanol	2.5400	0.50000	4.79	0.94		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	< 0.0041700	0.10000	< 0.01	0.35	U	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.13000	0.10000	1.00	0.77		"	"	"	"	X
75-15-0	Carbon disulfide	< 0.0028900	0.50000	< 0.01	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0022100	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0032300	0.10000	< 0.01	0.36	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	0.92000	0.50000	2.26	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.82000	0.10000	2.42	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.0024700	0.10000	< 0.01	0.40	U	"	"	"	"	X
110-54-3	Hexane	< 0.0039900	0.10000	< 0.01	0.35	U	"	"	"	"	X
141-78-6	Ethyl acetate	< 0.0043900	0.10000	< 0.02	0.36	U	"	"	"	"	
67-66-3	Chloroform	0.34000	0.10000	1.65	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.0074400	0.10000	< 0.02	0.29	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.0027700	0.10000	< 0.01	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	0.13000	0.10000	0.71	0.55		"	"	"	"	X
71-43-2	Benzene	< 0.0015500	0.10000	< 0.00	0.32	U	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.0031300	0.10000	< 0.02	0.63	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.0094200	0.10000	< 0.03	0.34	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0039800	0.10000	< 0.02	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.0029200	0.10000	< 0.02	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	0.10000	0.10000	0.54	0.54		"	"	"	"	X
142-82-5	n-Heptane	< 0.0039600	0.10000	< 0.02	0.41	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.0044400	0.10000	< 0.02	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.0029100	0.10000	< 0.01	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0047900	0.10000	< 0.02	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.0023300	0.10000	< 0.01	0.55	U	"	"	"	"	X
108-88-3	Toluene	0.15000	0.10000	0.56	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	0.33000	0.10000	1.35	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.0021300	0.10000	< 0.02	0.85	U	"	"	"	"	X

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Sample Identification

S220-VMP
SA73843-14

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 16:52

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air Low Level

ppbv Prepared 04-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.0024500	0.10000	< 0.02	0.77	U	EPA TO-15	05-Feb-08	WB	8020410	X
127-18-4	Tetrachloroethene	0.98000	0.10000	6.65	0.68		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.0022300	0.10000	< 0.01	0.46	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.0013700	0.10000	< 0.01	0.43	U	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.0043400	0.10000	< 0.02	0.43	U	"	"	"	"	X
75-25-2	Bromoform	< 0.0024500	0.10000	< 0.03	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.0016500	0.10000	< 0.01	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.0018400	0.10000	< 0.01	0.43	U	"	"	"	"	X
79-34-5	1,1,1,2-Tetrachloroethane	< 0.0016000	0.10000	< 0.01	0.69	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.0014300	0.10000	< 0.01	0.49	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0018200	0.10000	< 0.01	0.49	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.0015400	0.10000	< 0.01	0.49	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.0029100	0.10000	< 0.02	0.60	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.0019800	0.10000	< 0.01	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.0023600	0.10000	< 0.01	0.60	U	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.0020000	0.10000	< 0.01	0.60	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.0088800	0.10000	< 0.07	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.0033000	0.10000	< 0.04	1.07	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	96		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 04-Feb-08
Dilution: 1

	Total Volatile Hydrocarbons C5-C12	0.0310					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	96		75-125 %			"	"	"	"	
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Sample Identification

S176-INA
SA73843-15

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 18:30

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 05-Feb-08								
			Dilution: 2								
91-20-3	Naphthalene	< 2.00	4.80	< 10.47	25.13	U	MA APH	05-Feb-08	WB	8020517	
Volatile Organics in Air		ppbv	Prepared 05-Feb-08								
			Dilution: 2								
115-07-1	Propene	9.12	1.00	15.70	1.72		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.216	1.00	< 1.07	4.94	U	"	"	"	"	X
74-87-3	Chloromethane	0.920	1.00	1.90	2.07	J	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.195	1.00	< 1.36	6.99	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.276	1.00	< 0.71	2.56	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.372	1.00	< 0.82	2.21	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.298	1.00	< 1.16	3.88	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.316	1.00	< 0.83	2.64	U	"	"	"	"	X
67-64-1	Acetone	12.4	1.00	29.47	2.38		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.394	1.00	< 2.21	5.62	U	"	"	"	"	X
64-17-5	Ethanol	122	1.00	230.03	1.89		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.248	1.00	< 0.98	3.97	U	"	"	"	"	X
75-09-2	Methylene chloride	0.800	1.00	2.78	3.47	J	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.348	1.00	< 2.67	7.66	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.194	1.00	< 0.60	3.11	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.140	1.00	< 0.56	3.97	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.332	1.00	< 1.34	4.05	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.216	1.00	< 0.78	3.61	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	49.6	1.00	121.72	2.45		"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 0.210	1.00	< 0.62	2.95	U	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.242	1.00	< 0.96	3.97	U	"	"	"	"	X
110-54-3	Hexane	1.40	1.00	4.94	3.53		"	"	"	"	X
141-78-6	Ethyl acetate	0.680	1.00	2.45	3.60	J	"	"	"	"	
67-66-3	Chloroform	< 0.442	1.00	< 2.15	4.87	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.384	1.00	< 1.13	2.95	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.498	1.00	< 2.02	4.05	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.260	1.00	< 1.42	5.46	U	"	"	"	"	X
71-43-2	Benzene	0.840	1.00	2.68	3.19	J	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.442	1.00	< 2.78	6.29	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.226	1.00	< 0.78	3.44	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.286	1.00	< 1.32	4.62	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.380	1.00	< 2.55	6.70	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.306	1.00	< 1.64	5.37	U	"	"	"	"	X
142-82-5	n-Heptane	< 0.222	1.00	< 0.91	4.10	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.678	1.00	< 2.78	4.10	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.268	1.00	< 1.22	4.54	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.232	1.00	< 1.05	4.54	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.320	1.00	< 1.75	5.46	U	"	"	"	"	X
108-88-3	Toluene	1.64	1.00	6.17	3.76		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.578	1.00	< 2.37	4.10	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.284	1.00	< 2.42	8.52	U	"	"	"	"	X

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Sample Identification

S176-INA
SA73843-15

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 18:30

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air

ppbv Prepared 05-Feb-08
Dilution: 2

106-93-4	1,2-Dibromoethane (EDB)	< 0.336	1.00	< 2.58	7.69	U	EPA TO-15	05-Feb-08	WB	8020517	X
127-18-4	Tetrachloroethene	< 0.286	1.00	< 1.94	6.78	U	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.298	1.00	< 1.37	4.61	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.282	1.00	< 1.22	4.34	U	"	"	"	"	X
179601-23-1	m,p-Xylene	0.760	2.00	3.29	8.67	J	"	"	"	"	X
75-25-2	Bromoform	< 0.380	1.00	< 3.93	10.34	U	"	"	"	"	X
100-42-5	Styrene	< 0.318	1.00	< 1.35	4.25	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.232	1.00	< 1.01	4.34	U	"	"	"	"	X
79-34-5	1,1,1,2-Tetrachloroethane	< 0.506	1.00	< 3.47	6.87	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.352	1.00	< 1.73	4.92	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.234	1.00	< 1.15	4.92	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	1.38	1.00	6.78	4.92		"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.300	1.00	< 1.80	6.01	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.348	1.00	< 1.79	5.15	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.286	1.00	< 1.72	6.01	U	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.264	1.00	< 1.59	6.01	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.446	1.00	< 3.31	7.42	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.822	1.00	< 8.76	10.66	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	88		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 05-Feb-08
Dilution: 2

	Total Volatile Hydrocarbons C5-C12	0.130					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	88		75-125 %			"	"	"	"	
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Sample Identification

S176-VMP1
SA73843-16

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 18:31

Received
29-Jan-08

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m ³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
APH Targets		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
91-20-3	Naphthalene	< 1.00	2.40	< 5.24	12.56	U	MA APH	05-Feb-08	WB	8020410	
Volatile Organics in Air Low Level		ppbv	Prepared 04-Feb-08								
			Dilution: 1								
115-07-1	Propene	0.19000	0.10000	0.33	0.17		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	0.46000	0.10000	2.27	0.49		"	"	"	"	X
74-87-3	Chloromethane	< 0.0033000	0.10000	< 0.01	0.21	U	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0030400	0.10000	< 0.02	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.0035800	0.10000	< 0.01	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.0058400	0.10000	< 0.01	0.22	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.0043100	0.10000	< 0.02	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.0046400	0.10000	< 0.01	0.26	U	"	"	"	"	X
67-64-1	Acetone	4.0400	0.50000	9.60	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.26000	0.10000	1.46	0.56		"	"	"	"	X
64-17-5	Ethanol	2.2900	0.50000	4.32	0.94		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	< 0.0041700	0.10000	< 0.01	0.35	U	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.0028100	0.10000	< 0.02	0.77	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.0028900	0.50000	< 0.01	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0022100	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0032300	0.10000	< 0.01	0.36	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	0.53000	0.50000	1.30	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.83000	0.10000	2.45	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.0024700	0.10000	< 0.01	0.40	U	"	"	"	"	X
110-54-3	Hexane	< 0.0039900	0.10000	< 0.01	0.35	U	"	"	"	"	X
141-78-6	Ethyl acetate	< 0.0043900	0.10000	< 0.02	0.36	U	"	"	"	"	
67-66-3	Chloroform	< 0.0025200	0.10000	< 0.01	0.49	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.0074400	0.10000	< 0.02	0.29	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.0027700	0.10000	< 0.01	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	0.12000	0.10000	0.65	0.55		"	"	"	"	X
71-43-2	Benzene	< 0.0015500	0.10000	< 0.00	0.32	U	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.0031300	0.10000	< 0.02	0.63	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.0094200	0.10000	< 0.03	0.34	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0039800	0.10000	< 0.02	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.0029200	0.10000	< 0.02	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.0031200	0.10000	< 0.02	0.54	U	"	"	"	"	X
142-82-5	n-Heptane	< 0.0039600	0.10000	< 0.02	0.41	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.0044400	0.10000	< 0.02	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.0029100	0.10000	< 0.01	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0047900	0.10000	< 0.02	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.0023300	0.10000	< 0.01	0.55	U	"	"	"	"	X
108-88-3	Toluene	0.37000	0.10000	1.39	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	0.14000	0.10000	0.57	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.0021300	0.10000	< 0.02	0.85	U	"	"	"	"	X

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Sample Identification

S176-VMP1
SA73843-16

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 18:31

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air Low Level

ppbv Prepared 04-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.0024500	0.10000	< 0.02	0.77	U	EPA TO-15	05-Feb-08	WB	8020410	X
127-18-4	Tetrachloroethene	0.45000	0.10000	3.05	0.68		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.0022300	0.10000	< 0.01	0.46	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.0013700	0.10000	< 0.01	0.43	U	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.0043400	0.10000	< 0.02	0.43	U	"	"	"	"	X
75-25-2	Bromoform	< 0.0024500	0.10000	< 0.03	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.0016500	0.10000	< 0.01	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.0018400	0.10000	< 0.01	0.43	U	"	"	"	"	X
79-34-5	1,1,1,2-Tetrachloroethane	< 0.0016000	0.10000	< 0.01	0.69	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.0014300	0.10000	< 0.01	0.49	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0018200	0.10000	< 0.01	0.49	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.0015400	0.10000	< 0.01	0.49	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.0029100	0.10000	< 0.02	0.60	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.0019800	0.10000	< 0.01	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.0023600	0.10000	< 0.01	0.60	U	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.0020000	0.10000	< 0.01	0.60	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.0088800	0.10000	< 0.07	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.0033000	0.10000	< 0.04	1.07	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	109		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 04-Feb-08
Dilution: 1

Total Volatile Hydrocarbons C5-C12		0.0206					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	109		75-125 %			"	"	"	"	
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Sample Identification

S176-VMP2
SA73843-17

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 18:41

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Air Quality Analyses											
<u>APH Targets</u>		ppbv	<u>Prepared 04-Feb-08</u>								
			<u>Dilution: 1</u>								
91-20-3	Naphthalene	< 1.00	2.40	< 5.24	12.56	U	MA APH	05-Feb-08	WB	8020410	
<u>Volatile Organics in Air Low Level</u>		ppbv	<u>Prepared 04-Feb-08</u>								
			<u>Dilution: 1</u>								
115-07-1	Propene	0.26000	0.10000	0.45	0.17		EPA TO-15	"	WB	"	
75-71-8	Dichlorodifluoromethane (Freon12)	0.43000	0.10000	2.13	0.49		"	"	"	"	X
74-87-3	Chloromethane	0.36000	0.10000	0.74	0.21		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0030400	0.10000	< 0.02	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.0035800	0.10000	< 0.01	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.0058400	0.10000	< 0.01	0.22	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.0043100	0.10000	< 0.02	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.0046400	0.10000	< 0.01	0.26	U	"	"	"	"	X
67-64-1	Acetone	7.8700	0.50000	18.70	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.26000	0.10000	1.46	0.56		"	"	"	"	X
64-17-5	Ethanol	2.2600	0.50000	4.26	0.94		"	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	< 0.0041700	0.10000	< 0.01	0.35	U	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.0028100	0.10000	< 0.02	0.77	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.0028900	0.50000	< 0.01	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0022100	0.10000	< 0.01	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.0029700	0.10000	< 0.01	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	1.2500	0.10000	4.51	0.36		"	"	"	"	X
67-63-0	Isopropyl alcohol	0.11000	0.50000	0.27	1.23	J	"	"	"	"	X
78-93-3	2-Butanone (MEK)	1.3200	0.10000	3.89	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.0024700	0.10000	< 0.01	0.40	U	"	"	"	"	X
110-54-3	Hexane	< 0.0039900	0.10000	< 0.01	0.35	U	"	"	"	"	X
141-78-6	Ethyl acetate	< 0.0043900	0.10000	< 0.02	0.36	U	"	"	"	"	
67-66-3	Chloroform	0.12000	0.10000	0.58	0.49		"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.0074400	0.10000	< 0.02	0.29	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.0027700	0.10000	< 0.01	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.0025800	0.10000	< 0.01	0.55	U	"	"	"	"	X
71-43-2	Benzene	0.12000	0.10000	0.38	0.32		"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.0031300	0.10000	< 0.02	0.63	U	"	"	"	"	X
110-82-7	Cyclohexane	< 0.0094200	0.10000	< 0.03	0.34	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0039800	0.10000	< 0.02	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.0029200	0.10000	< 0.02	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.0031200	0.10000	< 0.02	0.54	U	"	"	"	"	X
142-82-5	n-Heptane	< 0.0039600	0.10000	< 0.02	0.41	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.0044400	0.10000	< 0.02	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.0029100	0.10000	< 0.01	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0047900	0.10000	< 0.02	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.0023300	0.10000	< 0.01	0.55	U	"	"	"	"	X
108-88-3	Toluene	0.22000	0.10000	0.83	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	0.15000	0.10000	0.61	0.41		"	"	"	"	
124-48-1	Dibromochloromethane	< 0.0021300	0.10000	< 0.02	0.85	U	"	"	"	"	X

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Sample Identification

S176-VMP2
SA73843-17

Client Project #
CG-07-0282

Matrix
Air

Collection Date/Time
24-Jan-08 18:41

Received
29-Jan-08

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result/Units</u>	<u>*RDL</u>	<u>Result ug/m³</u>	<u>*RDL</u>	<u>Flag</u>	<u>Method Ref.</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
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Air Quality Analyses

Volatile Organics in Air Low Level

ppbv Prepared 04-Feb-08
Dilution: 1

106-93-4	1,2-Dibromoethane (EDB)	< 0.0024500	0.10000	< 0.02	0.77	U	EPA TO-15	05-Feb-08	WB	8020410	X
127-18-4	Tetrachloroethene	0.32000	0.10000	2.17	0.68		"	"	"	"	X
108-90-7	Chlorobenzene	< 0.0022300	0.10000	< 0.01	0.46	U	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.0013700	0.10000	< 0.01	0.43	U	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.0043400	0.10000	< 0.02	0.43	U	"	"	"	"	X
75-25-2	Bromoform	< 0.0024500	0.10000	< 0.03	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.0016500	0.10000	< 0.01	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.0018400	0.10000	< 0.01	0.43	U	"	"	"	"	X
79-34-5	1,1,1,2-Tetrachloroethane	< 0.0016000	0.10000	< 0.01	0.69	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.0014300	0.10000	< 0.01	0.49	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0018200	0.10000	< 0.01	0.49	U	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.0015400	0.10000	< 0.01	0.49	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.0029100	0.10000	< 0.02	0.60	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.0019800	0.10000	< 0.01	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.0023600	0.10000	< 0.01	0.60	U	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.0020000	0.10000	< 0.01	0.60	U	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 0.0088800	0.10000	< 0.07	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.0033000	0.10000	< 0.04	1.07	U	"	"	"	"	X

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	93		75-125 %			"	"	"	"	
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Total Volatile Hydrocarbons C5-C12

ppmv Prepared 04-Feb-08
Dilution: 1

Total Volatile Hydrocarbons C5-C12		0.0248					Mod. EPA TO-15	"	WB	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	93		75-125 %			"	"	"	"	
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Air Quality Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8020410 - General Air Prep										
Blank (8020410-BLK1)	Prepared & Analyzed: 04-Feb-08									
Propene	< 0.0021800	U	ppbv	0.0021800						
Dichlorodifluoromethane (Freon12)	< 0.0030500	U	ppbv	0.0030500						
Chloromethane	< 0.0033000	U	ppbv	0.0033000						
1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0030400	U	ppbv	0.0030400						
Vinyl chloride	< 0.0035800	U	ppbv	0.0035800						
1,3-Butadiene	< 0.0058400	U	ppbv	0.0058400						
Bromomethane	< 0.0043100	U	ppbv	0.0043100						
Chloroethane	< 0.0046400	U	ppbv	0.0046400						
Acetone	< 0.0075600	U	ppbv	0.0075600						
Trichlorofluoromethane (Freon 11)	< 0.0028100	U	ppbv	0.0028100						
Ethanol	< 0.0026900	U	ppbv	0.0026900						
1,1-Dichloroethene	< 0.0029700	U	ppbv	0.0029700						
Methylene chloride	< 0.0041700	U	ppbv	0.0041700						
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.0028100	U	ppbv	0.0028100						
Carbon disulfide	< 0.0028900	U	ppbv	0.0028900						
trans-1,2-Dichloroethene	< 0.0022100	U	ppbv	0.0022100						
1,1-Dichloroethane	< 0.0029700	U	ppbv	0.0029700						
Methyl tert-butyl ether	< 0.0032300	U	ppbv	0.0032300						
Isopropyl alcohol	< 0.0072500	U	ppbv	0.0072500						
2-Butanone (MEK)	< 0.0095200	U	ppbv	0.0095200						
cis-1,2-Dichloroethene	< 0.0024700	U	ppbv	0.0024700						
Hexane	< 0.0039900	U	ppbv	0.0039900						
Ethyl acetate	< 0.0043900	U	ppbv	0.0043900						
Chloroform	< 0.0025200	U	ppbv	0.0025200						
Tetrahydrofuran	< 0.0074400	U	ppbv	0.0074400						
1,2-Dichloroethane	< 0.0027700	U	ppbv	0.0027700						
1,1,1-Trichloroethane	< 0.0025800	U	ppbv	0.0025800						
Benzene	< 0.0015500	U	ppbv	0.0015500						
Carbon tetrachloride	< 0.0031300	U	ppbv	0.0031300						
Cyclohexane	< 0.0094200	U	ppbv	0.0094200						
1,2-Dichloropropane	< 0.0039800	U	ppbv	0.0039800						
Bromodichloromethane	< 0.0029200	U	ppbv	0.0029200						
Trichloroethene	< 0.0031200	U	ppbv	0.0031200						
n-Heptane	< 0.0039600	U	ppbv	0.0039600						
4-Methyl-2-pentanone (MIBK)	< 0.0044400	U	ppbv	0.0044400						
cis-1,3-Dichloropropene	< 0.0029100	U	ppbv	0.0029100						
trans-1,3-Dichloropropene	< 0.0047900	U	ppbv	0.0047900						
1,1,2-Trichloroethane	< 0.0023300	U	ppbv	0.0023300						
Toluene	< 0.0021700	U	ppbv	0.0021700						
2-Hexanone (MBK)	< 0.0087100	U	ppbv	0.0087100						
Dibromochloromethane	< 0.0021300	U	ppbv	0.0021300						
1,2-Dibromoethane (EDB)	< 0.0024500	U	ppbv	0.0024500						
Tetrachloroethene	< 0.0025400	U	ppbv	0.0025400						
Chlorobenzene	< 0.0022300	U	ppbv	0.0022300						
Ethylbenzene	< 0.0013700	U	ppbv	0.0013700						
m,p-Xylene	< 0.0043400	U	ppbv	0.0043400						
Bromoform	< 0.0024500	U	ppbv	0.0024500						
Styrene	< 0.0016500	U	ppbv	0.0016500						
o-Xylene	< 0.0018400	U	ppbv	0.0018400						
1,1,2,2-Tetrachloroethane	< 0.0016000	U	ppbv	0.0016000						
1,3,5-Trimethylbenzene	< 0.0014300	U	ppbv	0.0014300						
4-Ethyltoluene	< 0.0018200	U	ppbv	0.0018200						

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Air Quality Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8020410 - General Air Prep										
Blank (8020410-BLK1)					<u>Prepared & Analyzed: 04-Feb-08</u>					
1,2,4-Trimethylbenzene	< 0.0015400	U	ppbv	0.0015400						
Naphthalene	< 1.00	U	ppbv	1.00						
1,3-Dichlorobenzene	< 0.0029100	U	ppbv	0.0029100						
Benzyl chloride	< 0.0019800	U	ppbv	0.0019800						
1,4-Dichlorobenzene	< 0.0023600	U	ppbv	0.0023600						
1,2-Dichlorobenzene	< 0.0020000	U	ppbv	0.0020000						
1,2,4-Trichlorobenzene	< 0.0088800	U	ppbv	0.0088800						
Hexachlorobutadiene	< 0.0033000	U	ppbv	0.0033000						
<hr/>										
Surrogate: 4-Bromofluorobenzene	8.8700		ppbv		10.0		89	75-125		
LCS (8020410-BS1)					<u>Prepared & Analyzed: 04-Feb-08</u>					
Propene	1.4500		ppbv		2.00		72	70-130		
Dichlorodifluoromethane (Freon12)	1.3900		ppbv		2.00		70	70-130		
Chloromethane	2.1500		ppbv		2.00		108	70-130		
1,2-Dichlorotetrafluoroethane (Freon 114)	1.6400		ppbv		2.00		82	70-130		
Vinyl chloride	1.7000		ppbv		2.00		85	70-130		
1,3-Butadiene	1.7700		ppbv		2.00		88	70-130		
Bromomethane	1.7500		ppbv		2.00		88	70-130		
Chloroethane	1.7200		ppbv		2.00		86	70-130		
Acetone	1.5100		ppbv		2.00		76	70-130		
Trichlorofluoromethane (Freon 11)	1.8000		ppbv		2.00		90	70-130		
Ethanol	1.8600		ppbv		2.00		93	70-178		
1,1-Dichloroethene	1.5700		ppbv		2.00		78	70-130		
Methylene chloride	1.6200		ppbv		2.00		81	70-130		
1,1,2-Trichlorotrifluoroethane (Freon 113)	1.7400		ppbv		2.00		87	70-130		
Carbon disulfide	1.6000		ppbv		2.00		80	70-130		
trans-1,2-Dichloroethene	1.7600		ppbv		2.00		88	70-130		
1,1-Dichloroethane	1.8000		ppbv		2.00		90	70-130		
Methyl tert-butyl ether	1.5400		ppbv		2.00		77	70-130		
Isopropyl alcohol	1.9600		ppbv		2.00		98	70-130		
2-Butanone (MEK)	1.7500		ppbv		2.00		88	70-130		
cis-1,2-Dichloroethene	1.6400		ppbv		2.00		82	70-130		
Hexane	1.5600		ppbv		2.00		78	70-130		
Ethyl acetate	1.7800		ppbv		2.00		89	70-130		
Chloroform	1.7000		ppbv		2.00		85	70-130		
Tetrahydrofuran	1.7200		ppbv		2.00		86	70-130		
1,2-Dichloroethane	1.7500		ppbv		2.00		88	70-130		
1,1,1-Trichloroethane	1.7800		ppbv		2.00		89	70-130		
Benzene	1.6500		ppbv		2.00		82	70-130		
Carbon tetrachloride	1.8100		ppbv		2.00		90	70-130		
Cyclohexane	1.5500		ppbv		2.00		78	70-130		
1,2-Dichloropropane	1.7600		ppbv		2.00		88	70-130		
Bromodichloromethane	1.8400		ppbv		2.00		92	70-130		
Trichloroethene	1.8500		ppbv		2.00		92	70-130		
n-Heptane	1.6600		ppbv		2.00		83	70-130		
4-Methyl-2-pentanone (MIBK)	1.8600		ppbv		2.00		93	70-130		
cis-1,3-Dichloropropene	1.7000		ppbv		2.00		85	70-130		
trans-1,3-Dichloropropene	2.0000		ppbv		2.00		100	70-130		
1,1,2-Trichloroethane	1.8200		ppbv		2.00		91	70-130		
Toluene	1.6600		ppbv		2.00		83	70-130		
2-Hexanone (MBK)	2.1300		ppbv		2.00		106	70-130		
Dibromochloromethane	2.9800	QC2	ppbv		2.00		149	70-130		

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Air Quality Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8020410 - General Air Prep										
<u>LCS (8020410-BS1)</u>					<u>Prepared & Analyzed: 04-Feb-08</u>					
1,2-Dibromoethane (EDB)	1.8600		ppbv		2.00		93	70-130		
Tetrachloroethene	1.7300		ppbv		2.00		86	70-130		
Chlorobenzene	1.7600		ppbv		2.00		88	70-130		
Ethylbenzene	1.6800		ppbv		2.00		84	70-130		
m,p-Xylene	3.2900		ppbv		4.00		82	70-130		
Bromoform	1.9100		ppbv		2.00		96	70-130		
Styrene	1.8400		ppbv		2.00		92	70-130		
o-Xylene	1.6600		ppbv		2.00		83	70-130		
1,1,2,2-Tetrachloroethane	1.9900		ppbv		2.00		100	70-130		
1,3,5-Trimethylbenzene	1.8700		ppbv		2.00		94	70-130		
4-Ethyltoluene	1.7300		ppbv		2.00		86	70-130		
1,2,4-Trimethylbenzene	1.8300		ppbv		2.00		92	70-130		
1,3-Dichlorobenzene	2.0500		ppbv		2.00		102	70-130		
Benzyl chloride	2.5700		ppbv		2.00		128	70-130		
1,4-Dichlorobenzene	2.2700		ppbv		2.00		114	70-130		
1,2-Dichlorobenzene	2.3700		ppbv		2.00		118	70-130		
1,2,4-Trichlorobenzene	2.9800	QC2	ppbv		2.00		149	70-130		
Hexachlorobutadiene	2.4800		ppbv		2.00		124	70-130		
<i>Surrogate: 4-Bromofluorobenzene</i>	9.6100		ppbv		10.0		96	75-125		

Batch 8020517 - General Air Prep

Blank (8020517-BLK1)

Prepared & Analyzed: 05-Feb-08

Propene	< 0.302	U	ppbv	0.302						
Dichlorodifluoromethane (Freon12)	< 0.108	U	ppbv	0.108						
Chloromethane	< 0.124	U	ppbv	0.124						
1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0977	U	ppbv	0.0977						
Vinyl chloride	< 0.138	U	ppbv	0.138						
1,3-Butadiene	< 0.186	U	ppbv	0.186						
Bromomethane	< 0.149	U	ppbv	0.149						
Chloroethane	< 0.158	U	ppbv	0.158						
Acetone	< 0.222	U	ppbv	0.222						
Trichlorofluoromethane (Freon 11)	< 0.197	U	ppbv	0.197						
Ethanol	< 0.176	U	ppbv	0.176						
1,1-Dichloroethene	< 0.124	U	ppbv	0.124						
Methylene chloride	< 0.110	U	ppbv	0.110						
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.174	U	ppbv	0.174						
Carbon disulfide	< 0.0972	U	ppbv	0.0972						
trans-1,2-Dichloroethene	< 0.0699	U	ppbv	0.0699						
1,1-Dichloroethane	< 0.166	U	ppbv	0.166						
Methyl tert-butyl ether	< 0.108	U	ppbv	0.108						
Isopropyl alcohol	< 0.0923	U	ppbv	0.0923						
2-Butanone (MEK)	< 0.105	U	ppbv	0.105						
cis-1,2-Dichloroethene	< 0.121	U	ppbv	0.121						
Hexane	< 0.0923	U	ppbv	0.0923						
Ethyl acetate	< 0.154	U	ppbv	0.154						
Chloroform	< 0.221	U	ppbv	0.221						
Tetrahydrofuran	< 0.192	U	ppbv	0.192						
1,2-Dichloroethane	< 0.249	U	ppbv	0.249						
1,1,1-Trichloroethane	< 0.130	U	ppbv	0.130						
Benzene	< 0.124	U	ppbv	0.124						
Carbon tetrachloride	< 0.221	U	ppbv	0.221						
Cyclohexane	< 0.113	U	ppbv	0.113						

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Air Quality Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8020517 - General Air Prep										
Blank (8020517-BLK1)					<u>Prepared & Analyzed: 05-Feb-08</u>					
1,2-Dichloropropane	< 0.143	U	ppbv	0.143						
Bromodichloromethane	< 0.190	U	ppbv	0.190						
Trichloroethene	< 0.153	U	ppbv	0.153						
n-Heptane	< 0.111	U	ppbv	0.111						
4-Methyl-2-pentanone (MIBK)	< 0.339	U	ppbv	0.339						
cis-1,3-Dichloropropene	< 0.134	U	ppbv	0.134						
trans-1,3-Dichloropropene	< 0.116	U	ppbv	0.116						
1,1,2-Trichloroethane	< 0.160	U	ppbv	0.160						
Toluene	< 0.122	U	ppbv	0.122						
2-Hexanone (MBK)	< 0.289	U	ppbv	0.289						
Dibromochloromethane	< 0.142	U	ppbv	0.142						
1,2-Dibromoethane (EDB)	< 0.168	U	ppbv	0.168						
Tetrachloroethene	< 0.143	U	ppbv	0.143						
Chlorobenzene	< 0.149	U	ppbv	0.149						
Ethylbenzene	< 0.141	U	ppbv	0.141						
m,p-Xylene	< 0.246	U	ppbv	0.246						
Bromoform	< 0.190	U	ppbv	0.190						
Styrene	< 0.159	U	ppbv	0.159						
o-Xylene	< 0.116	U	ppbv	0.116						
1,1,2,2-Tetrachloroethane	< 0.253	U	ppbv	0.253						
1,3,5-Trimethylbenzene	< 0.176	U	ppbv	0.176						
4-Ethyltoluene	< 0.117	U	ppbv	0.117						
Naphthalene	< 1.00	U	ppbv	1.00						
1,2,4-Trimethylbenzene	< 0.144	U	ppbv	0.144						
1,3-Dichlorobenzene	< 0.150	U	ppbv	0.150						
Benzyl chloride	< 0.174	U	ppbv	0.174						
1,4-Dichlorobenzene	< 0.143	U	ppbv	0.143						
1,2-Dichlorobenzene	< 0.132	U	ppbv	0.132						
1,2,4-Trichlorobenzene	< 0.223	U	ppbv	0.223						
Hexachlorobutadiene	< 0.411	U	ppbv	0.411						
<i>Surrogate: 4-Bromofluorobenzene</i>	9.30		ppbv		10.0		93	75-125		
LCS (8020517-BS1)					<u>Prepared & Analyzed: 05-Feb-08</u>					
Propene	7.07		ppbv		10.0		71	70-130		
Dichlorodifluoromethane (Freon12)	6.78	QC2	ppbv		10.0		68	70-130		
Chloromethane	10.2		ppbv		10.0		102	70-130		
1,2-Dichlorotetrafluoroethane (Freon 114)	8.49		ppbv		10.0		85	70-130		
Vinyl chloride	7.86		ppbv		10.0		79	70-130		
1,3-Butadiene	8.19		ppbv		10.0		82	70-130		
Bromomethane	8.16		ppbv		10.0		82	70-130		
Chloroethane	8.20		ppbv		10.0		82	70-130		
Acetone	7.30		ppbv		10.0		73	70-130		
Trichlorofluoromethane (Freon 11)	8.68		ppbv		10.0		87	70-130		
Ethanol	9.16		ppbv		10.0		92	55.1-230		
1,1-Dichloroethene	7.33		ppbv		10.0		73	70-130		
Methylene chloride	7.73		ppbv		10.0		77	70-130		
1,1,2-Trichlorotrifluoroethane (Freon 113)	8.16		ppbv		10.0		82	70-130		
Carbon disulfide	7.74		ppbv		10.0		77	70-130		
trans-1,2-Dichloroethene	7.75		ppbv		10.0		78	70-130		
1,1-Dichloroethane	8.13		ppbv		10.0		81	70-130		
Methyl tert-butyl ether	7.54		ppbv		10.0		75	70-130		
Isopropyl alcohol	9.27		ppbv		10.0		93	70-130		

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Air Quality Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8020517 - General Air Prep										
<u>LCS (8020517-BS1)</u>					<u>Prepared & Analyzed: 05-Feb-08</u>					
2-Butanone (MEK)	7.82		ppbv		10.0		78	70-130		
cis-1,2-Dichloroethene	7.30		ppbv		10.0		73	70-130		
Hexane	7.47		ppbv		10.0		75	70-130		
Ethyl acetate	7.86		ppbv		10.0		79	70-130		
Chloroform	8.02		ppbv		10.0		80	70-130		
Tetrahydrofuran	7.43		ppbv		10.0		74	70-130		
1,2-Dichloroethane	8.13		ppbv		10.0		81	70-130		
1,1,1-Trichloroethane	8.02		ppbv		10.0		80	70-130		
Benzene	7.86		ppbv		10.0		79	70-130		
Carbon tetrachloride	7.48		ppbv		10.0		75	70-130		
Cyclohexane	8.17		ppbv		10.0		82	70-130		
1,2-Dichloropropane	7.78		ppbv		10.0		78	70-130		
Bromodichloromethane	8.33		ppbv		10.0		83	70-130		
Trichloroethene	8.28		ppbv		10.0		83	70-130		
n-Heptane	8.10		ppbv		10.0		81	70-130		
4-Methyl-2-pentanone (MIBK)	8.33		ppbv		10.0		83	70-130		
cis-1,3-Dichloropropene	7.25		ppbv		10.0		72	70-130		
trans-1,3-Dichloropropene	8.03		ppbv		10.0		80	70-130		
1,1,2-Trichloroethane	8.17		ppbv		10.0		82	70-130		
Toluene	7.64		ppbv		10.0		76	70-130		
2-Hexanone (MBK)	8.25		ppbv		10.0		82	70-130		
Dibromochloromethane	12.2		ppbv		10.0		122	70-130		
1,2-Dibromoethane (EDB)	7.77		ppbv		10.0		78	70-130		
Tetrachloroethene	6.92	QC2	ppbv		10.0		69	70-130		
Chlorobenzene	7.59		ppbv		10.0		76	70-130		
Ethylbenzene	8.13		ppbv		10.0		81	70-130		
m,p-Xylene	14.3		ppbv		20.0		72	70-130		
Bromoform	7.52		ppbv		10.0		75	70-130		
Styrene	7.80		ppbv		10.0		78	70-130		
o-Xylene	7.12		ppbv		10.0		71	70-130		
1,1,2,2-Tetrachloroethane	8.84		ppbv		10.0		88	70-130		
1,3,5-Trimethylbenzene	7.39		ppbv		10.0		74	70-130		
4-Ethyltoluene	8.33		ppbv		10.0		83	70-130		
1,2,4-Trimethylbenzene	7.67		ppbv		10.0		77	70-130		
1,3-Dichlorobenzene	7.50		ppbv		10.0		75	70-130		
Benzyl chloride	8.42		ppbv		10.0		84	70-130		
1,4-Dichlorobenzene	8.76		ppbv		10.0		88	70-130		
1,2-Dichlorobenzene	10.4		ppbv		10.0		104	70-130		
1,2,4-Trichlorobenzene	10.0		ppbv		10.0		100	70-130		
Hexachlorobutadiene	9.64		ppbv		10.0		96	70-130		
Surrogate: 4-Bromofluorobenzene	10.6		ppbv		10.0		106	75-125		
<u>Duplicate (8020517-DUP1)</u>					<u>Source: SA73843-02</u>		<u>Prepared & Analyzed: 05-Feb-08</u>			
Naphthalene	< 1.00	U	ppbv	1.00			BRL			30
Batch 8020756 - General Air Prep										
<u>Blank (8020756-BLK1)</u>					<u>Prepared & Analyzed: 11-Feb-08</u>					
Propene	< 0.302	U	ppbv	0.302						
Dichlorodifluoromethane (Freon12)	< 0.108	U	ppbv	0.108						
Chloromethane	< 0.124	U	ppbv	0.124						
1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.0977	U	ppbv	0.0977						
Vinyl chloride	< 0.138	U	ppbv	0.138						
1,3-Butadiene	< 0.186	U	ppbv	0.186						

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Air Quality Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8020756 - General Air Prep										
<u>Blank (8020756-BLK1)</u>						<u>Prepared & Analyzed: 11-Feb-08</u>				
Bromomethane	< 0.149	U	ppbv	0.149						
Chloroethane	< 0.158	U	ppbv	0.158						
Acetone	< 0.222	U	ppbv	0.222						
Trichlorofluoromethane (Freon 11)	< 0.197	U	ppbv	0.197						
Ethanol	< 0.176	U	ppbv	0.176						
1,1-Dichloroethene	< 0.124	U	ppbv	0.124						
Methylene chloride	< 0.110	U	ppbv	0.110						
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.174	U	ppbv	0.174						
Carbon disulfide	< 0.0972	U	ppbv	0.0972						
trans-1,2-Dichloroethene	< 0.0699	U	ppbv	0.0699						
1,1-Dichloroethane	< 0.166	U	ppbv	0.166						
Methyl tert-butyl ether	< 0.108	U	ppbv	0.108						
Isopropyl alcohol	< 0.0923	U	ppbv	0.0923						
2-Butanone (MEK)	< 0.105	U	ppbv	0.105						
cis-1,2-Dichloroethene	< 0.121	U	ppbv	0.121						
Hexane	< 0.0923	U	ppbv	0.0923						
Ethyl acetate	< 0.154	U	ppbv	0.154						
Chloroform	< 0.221	U	ppbv	0.221						
Tetrahydrofuran	< 0.192	U	ppbv	0.192						
1,2-Dichloroethane	< 0.249	U	ppbv	0.249						
1,1,1-Trichloroethane	< 0.130	U	ppbv	0.130						
Benzene	< 0.124	U	ppbv	0.124						
Carbon tetrachloride	< 0.221	U	ppbv	0.221						
Cyclohexane	< 0.113	U	ppbv	0.113						
1,2-Dichloropropane	< 0.143	U	ppbv	0.143						
Bromodichloromethane	< 0.190	U	ppbv	0.190						
Trichloroethene	< 0.153	U	ppbv	0.153						
n-Heptane	< 0.111	U	ppbv	0.111						
4-Methyl-2-pentanone (MIBK)	< 0.339	U	ppbv	0.339						
cis-1,3-Dichloropropene	< 0.134	U	ppbv	0.134						
trans-1,3-Dichloropropene	< 0.116	U	ppbv	0.116						
1,1,2-Trichloroethane	< 0.160	U	ppbv	0.160						
Toluene	< 0.122	U	ppbv	0.122						
2-Hexanone (MBK)	< 0.289	U	ppbv	0.289						
Dibromochloromethane	< 0.142	U	ppbv	0.142						
1,2-Dibromoethane (EDB)	< 0.168	U	ppbv	0.168						
Tetrachloroethene	< 0.143	U	ppbv	0.143						
Chlorobenzene	< 0.149	U	ppbv	0.149						
Ethylbenzene	< 0.141	U	ppbv	0.141						
m,p-Xylene	< 0.246	U	ppbv	0.246						
Bromoform	< 0.190	U	ppbv	0.190						
Styrene	< 0.159	U	ppbv	0.159						
o-Xylene	< 0.116	U	ppbv	0.116						
1,1,2,2-Tetrachloroethane	< 0.253	U	ppbv	0.253						
1,3,5-Trimethylbenzene	< 0.176	U	ppbv	0.176						
4-Ethyltoluene	< 0.117	U	ppbv	0.117						
1,2,4-Trimethylbenzene	< 0.144	U	ppbv	0.144						
Naphthalene	< 1.00	U	ppbv	1.00						
1,3-Dichlorobenzene	< 0.150	U	ppbv	0.150						
Benzyl chloride	< 0.174	U	ppbv	0.174						
1,4-Dichlorobenzene	< 0.143	U	ppbv	0.143						
1,2-Dichlorobenzene	< 0.132	U	ppbv	0.132						

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Air Quality Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8020756 - General Air Prep										
<u>Blank (8020756-BLK1)</u>					<u>Prepared & Analyzed: 11-Feb-08</u>					
1,2,4-Trichlorobenzene	< 0.223	U	ppbv	0.223						
Hexachlorobutadiene	< 0.411	U	ppbv	0.411						
<hr/>										
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>8.98</i>		<i>ppbv</i>		<i>10.0</i>		<i>90</i>	<i>75-125</i>		
<u>LCS (8020756-BS1)</u>					<u>Prepared & Analyzed: 11-Feb-08</u>					
Propene	8.65		ppbv		10.0		86	70-130		
Dichlorodifluoromethane (Freon12)	8.19		ppbv		10.0		82	70-130		
Chloromethane	12.4		ppbv		10.0		124	70-130		
1,2-Dichlorotetrafluoroethane (Freon 114)	10.4		ppbv		10.0		104	70-130		
Vinyl chloride	9.98		ppbv		10.0		100	70-130		
1,3-Butadiene	10.5		ppbv		10.0		105	70-130		
Bromomethane	10.3		ppbv		10.0		103	70-130		
Chloroethane	9.99		ppbv		10.0		100	70-130		
Acetone	8.94		ppbv		10.0		89	70-130		
Trichlorofluoromethane (Freon 11)	10.5		ppbv		10.0		105	70-130		
Ethanol	12.3		ppbv		10.0		123	55.1-230		
1,1-Dichloroethene	9.57		ppbv		10.0		96	70-130		
Methylene chloride	9.65		ppbv		10.0		96	70-130		
1,1,2-Trichlorotrifluoroethane (Freon 113)	9.95		ppbv		10.0		100	70-130		
Carbon disulfide	9.53		ppbv		10.0		95	70-130		
trans-1,2-Dichloroethene	10.2		ppbv		10.0		102	70-130		
1,1-Dichloroethane	10.2		ppbv		10.0		102	70-130		
Methyl tert-butyl ether	9.50		ppbv		10.0		95	70-130		
Isopropyl alcohol	10.9		ppbv		10.0		109	70-130		
2-Butanone (MEK)	9.68		ppbv		10.0		97	70-130		
cis-1,2-Dichloroethene	9.27		ppbv		10.0		93	70-130		
Hexane	9.76		ppbv		10.0		98	70-130		
Ethyl acetate	10.3		ppbv		10.0		103	70-130		
Chloroform	9.59		ppbv		10.0		96	70-130		
Tetrahydrofuran	9.67		ppbv		10.0		97	70-130		
1,2-Dichloroethane	9.73		ppbv		10.0		97	70-130		
1,1,1-Trichloroethane	9.83		ppbv		10.0		98	70-130		
Benzene	9.78		ppbv		10.0		98	70-130		
Carbon tetrachloride	9.92		ppbv		10.0		99	70-130		
Cyclohexane	10.1		ppbv		10.0		101	70-130		
1,2-Dichloropropane	9.56		ppbv		10.0		96	70-130		
Bromodichloromethane	10.5		ppbv		10.0		105	70-130		
Trichloroethene	11.9		ppbv		10.0		119	70-130		
n-Heptane	10.1		ppbv		10.0		101	70-130		
4-Methyl-2-pentanone (MIBK)	10.1		ppbv		10.0		101	70-130		
cis-1,3-Dichloropropene	9.08		ppbv		10.0		91	70-130		
trans-1,3-Dichloropropene	10.2		ppbv		10.0		102	70-130		
1,1,2-Trichloroethane	9.99		ppbv		10.0		100	70-130		
Toluene	9.86		ppbv		10.0		99	70-130		
2-Hexanone (MBK)	11.1		ppbv		10.0		111	70-130		
Dibromochloromethane	17.3	QC2	ppbv		10.0		173	70-130		
1,2-Dibromoethane (EDB)	10.1		ppbv		10.0		101	70-130		
Tetrachloroethene	9.66		ppbv		10.0		97	70-130		
Chlorobenzene	9.28		ppbv		10.0		93	70-130		
Ethylbenzene	9.47		ppbv		10.0		95	70-130		
m,p-Xylene	18.9		ppbv		20.0		94	70-130		
Bromoform	11.3		ppbv		10.0		113	70-130		

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Air Quality Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8020756 - General Air Prep										
<u>LCS (8020756-BS1)</u>					<u>Prepared & Analyzed: 11-Feb-08</u>					
Styrene	9.25		ppbv		10.0		92	70-130		
o-Xylene	9.41		ppbv		10.0		94	70-130		
1,1,2,2-Tetrachloroethane	9.59		ppbv		10.0		96	70-130		
1,3,5-Trimethylbenzene	9.40		ppbv		10.0		94	70-130		
4-Ethyltoluene	9.13		ppbv		10.0		91	70-130		
1,2,4-Trimethylbenzene	8.77		ppbv		10.0		88	70-130		
1,3-Dichlorobenzene	9.11		ppbv		10.0		91	70-130		
Benzyl chloride	8.48		ppbv		10.0		85	70-130		
1,4-Dichlorobenzene	10.0		ppbv		10.0		100	70-130		
1,2-Dichlorobenzene	9.74		ppbv		10.0		97	70-130		
1,2,4-Trichlorobenzene	6.14	QC2	ppbv		10.0		61	70-130		
Hexachlorobutadiene	7.93		ppbv		10.0		79	70-130		
<i>Surrogate: 4-Bromofluorobenzene</i>	10.0		ppbv		10.0		100	75-125		
<u>Duplicate (8020756-DUP1)</u>					<u>Source: SA73843-13RE1</u>		<u>Prepared & Analyzed: 11-Feb-08</u>			
Naphthalene	< 1.00	U	ppbv	1.00		BRL				30
Batch 8020768 - General Air Prep										
<u>Blank (8020768-BLK1)</u>					<u>Prepared & Analyzed: 11-Feb-08</u>					
Propene	< 0.056395	U	ppbv	0.056395						
Dichlorodifluoromethane (Freon12)	< 0.071727	U	ppbv	0.071727						
Chloromethane	< 0.072377	U	ppbv	0.072377						
1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.053850	U	ppbv	0.053850						
Vinyl chloride	< 0.064519	U	ppbv	0.064519						
1,3-Butadiene	< 0.046885	U	ppbv	0.046885						
Bromomethane	< 0.059621	U	ppbv	0.059621						
Chloroethane	< 0.042158	U	ppbv	0.042158						
Acetone	< 0.067702	U	ppbv	0.067702						
Trichlorofluoromethane (Freon 11)	< 0.069744	U	ppbv	0.069744						
Ethanol	0.12000	J	ppbv	0.10462						
1,1-Dichloroethene	< 0.028198	U	ppbv	0.028198						
Methylene chloride	< 0.028198	U	ppbv	0.028198						
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.043253	U	ppbv	0.043253						
Carbon disulfide	< 0.029810	U	ppbv	0.029810						
trans-1,2-Dichloroethene	< 0.016752	U	ppbv	0.016752						
1,1-Dichloroethane	< 0.023691	U	ppbv	0.023691						
Methyl tert-butyl ether	< 0.042158	U	ppbv	0.042158						
Isopropyl alcohol	< 0.084869	U	ppbv	0.084869						
2-Butanone (MEK)	< 0.050256	U	ppbv	0.050256						
cis-1,2-Dichloroethene	< 0.021627	U	ppbv	0.021627						
Hexane	< 0.016752	U	ppbv	0.016752						
Ethyl acetate	< 0.045877	U	ppbv	0.045877						
Chloroform	< 0.029810	U	ppbv	0.029810						
Tetrahydrofuran	< 0.056395	U	ppbv	0.056395						
1,2-Dichloroethane	< 0.015292	U	ppbv	0.015292						
1,1,1-Trichloroethane	< 0.025589	U	ppbv	0.025589						
Benzene	< 0.016752	U	ppbv	0.016752						
Carbon tetrachloride	< 0.035536	U	ppbv	0.035536						
Cyclohexane	< 0.024658	U	ppbv	0.024658						
1,2-Dichloropropane	< 0.039287	U	ppbv	0.039287						
Bromodichloromethane	< 0.028198	U	ppbv	0.028198						
Trichloroethene	< 0.029810	U	ppbv	0.029810						
n-Heptane	< 0.042158	U	ppbv	0.042158						

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Air Quality Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8020768 - General Air Prep										
Blank (8020768-BLK1)					<u>Prepared & Analyzed: 11-Feb-08</u>					
4-Methyl-2-pentanone (MIBK)	< 0.083760	U	ppbv	0.083760						
cis-1,3-Dichloropropene	< 0.058432	U	ppbv	0.058432						
trans-1,3-Dichloropropene	< 0.052531	U	ppbv	0.052531						
1,1,2-Trichloroethane	< 0.035536	U	ppbv	0.035536						
Toluene	< 0.056809	U	ppbv	0.056809						
2-Hexanone (MBK)	< 0.089952	U	ppbv	0.089952						
Dibromochloromethane	< 0.023691	U	ppbv	0.023691						
1,2-Dibromoethane (EDB)	< 0.049316	U	ppbv	0.049316						
Tetrachloroethene	< 0.043253	U	ppbv	0.043253						
Chlorobenzene	< 0.046885	U	ppbv	0.046885						
Ethylbenzene	< 0.067702	U	ppbv	0.067702						
m,p-Xylene	< 0.067356	U	ppbv	0.067356						
Bromoform	< 0.035536	U	ppbv	0.035536						
Styrene	< 0.069408	U	ppbv	0.069408						
o-Xylene	< 0.073340	U	ppbv	0.073340						
1,1,2,2-Tetrachloroethane	< 0.076155	U	ppbv	0.076155						
1,3,5-Trimethylbenzene	< 0.086507	U	ppbv	0.086507						
4-Ethyltoluene	< 0.088643	U	ppbv	0.088643						
1,2,4-Trimethylbenzene	< 0.077676	U	ppbv	0.077676						
1,3-Dichlorobenzene	< 0.070078	U	ppbv	0.070078						
Benzyl chloride	< 0.078574	U	ppbv	0.078574						
1,4-Dichlorobenzene	< 0.080630	U	ppbv	0.080630						
1,2-Dichlorobenzene	< 0.078574	U	ppbv	0.078574						
1,2,4-Trichlorobenzene	< 0.095501	U	ppbv	0.095501						
Hexachlorobutadiene	< 0.075539	U	ppbv	0.075539						
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>9.2900</i>		ppbv		<i>10.0</i>		<i>93</i>	<i>75-125</i>		
LCS (8020768-BS1)					<u>Prepared & Analyzed: 11-Feb-08</u>					
Propene	1.8100		ppbv		2.00		90	70-130		
Dichlorodifluoromethane (Freon12)	1.7500		ppbv		2.00		88	70-130		
Chloromethane	2.8100	QC1	ppbv		2.00		140	70-130		
1,2-Dichlorotetrafluoroethane (Freon 114)	2.1300		ppbv		2.00		106	70-130		
Vinyl chloride	2.0400		ppbv		2.00		102	70-130		
1,3-Butadiene	2.1100		ppbv		2.00		106	70-130		
Bromomethane	2.1000		ppbv		2.00		105	70-130		
Chloroethane	2.0300		ppbv		2.00		102	70-130		
Acetone	1.7800		ppbv		2.00		89	70-130		
Trichlorofluoromethane (Freon 11)	2.2500		ppbv		2.00		112	70-130		
Ethanol	2.4000		ppbv		2.00		120	70-178		
1,1-Dichloroethene	1.8200		ppbv		2.00		91	70-130		
Methylene chloride	1.8600		ppbv		2.00		93	70-130		
1,1,2-Trichlorotrifluoroethane (Freon 113)	1.9200		ppbv		2.00		96	70-130		
Carbon disulfide	1.8200		ppbv		2.00		91	70-130		
trans-1,2-Dichloroethene	2.0300		ppbv		2.00		102	70-130		
1,1-Dichloroethane	2.1200		ppbv		2.00		106	70-130		
Methyl tert-butyl ether	1.7900		ppbv		2.00		90	70-130		
Isopropyl alcohol	2.3700		ppbv		2.00		118	70-130		
2-Butanone (MEK)	2.0600		ppbv		2.00		103	70-130		
cis-1,2-Dichloroethene	1.8300		ppbv		2.00		92	70-130		
Hexane	1.7600		ppbv		2.00		88	70-130		
Ethyl acetate	2.0100		ppbv		2.00		100	70-130		
Chloroform	2.0300		ppbv		2.00		102	70-130		

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Air Quality Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8020768 - General Air Prep										
<u>LCS (8020768-BS1)</u>					<u>Prepared & Analyzed: 11-Feb-08</u>					
Tetrahydrofuran	1.9900		ppbv		2.00		100	70-130		
1,2-Dichloroethane	2.1700		ppbv		2.00		108	70-130		
1,1,1-Trichloroethane	2.0100		ppbv		2.00		100	70-130		
Benzene	1.8200		ppbv		2.00		91	70-130		
Carbon tetrachloride	1.8900		ppbv		2.00		94	70-130		
Cyclohexane	1.7200		ppbv		2.00		86	70-130		
1,2-Dichloropropane	1.9600		ppbv		2.00		98	70-130		
Bromodichloromethane	2.1500		ppbv		2.00		108	70-130		
Trichloroethene	2.3700		ppbv		2.00		118	70-130		
n-Heptane	1.8700		ppbv		2.00		94	70-130		
4-Methyl-2-pentanone (MIBK)	2.2900		ppbv		2.00		114	70-130		
cis-1,3-Dichloropropene	1.8600		ppbv		2.00		93	70-130		
trans-1,3-Dichloropropene	2.1800		ppbv		2.00		109	70-130		
1,1,2-Trichloroethane	2.0900		ppbv		2.00		104	70-130		
Toluene	1.8300		ppbv		2.00		92	70-130		
2-Hexanone (MBK)	2.5300		ppbv		2.00		126	70-130		
Dibromochloromethane	3.2100	QC2	ppbv		2.00		160	70-130		
1,2-Dibromoethane (EDB)	2.1000		ppbv		2.00		105	70-130		
Tetrachloroethene	1.8500		ppbv		2.00		92	70-130		
Chlorobenzene	1.7800		ppbv		2.00		89	70-130		
Ethylbenzene	1.7200		ppbv		2.00		86	70-130		
m,p-Xylene	3.3300		ppbv		4.00		83	70-130		
Bromoform	1.7300		ppbv		2.00		86	70-130		
Styrene	1.8500		ppbv		2.00		92	70-130		
o-Xylene	1.6800		ppbv		2.00		84	70-130		
1,1,2,2-Tetrachloroethane	1.9600		ppbv		2.00		98	70-130		
1,3,5-Trimethylbenzene	1.8700		ppbv		2.00		94	70-130		
4-Ethyltoluene	1.7100		ppbv		2.00		86	70-130		
1,2,4-Trimethylbenzene	1.7600		ppbv		2.00		88	70-130		
1,3-Dichlorobenzene	1.8300		ppbv		2.00		92	70-130		
Benzyl chloride	1.9400		ppbv		2.00		97	70-130		
1,4-Dichlorobenzene	2.0200		ppbv		2.00		101	70-130		
1,2-Dichlorobenzene	1.9900		ppbv		2.00		100	70-130		
1,2,4-Trichlorobenzene	1.6100		ppbv		2.00		80	70-130		
Hexachlorobutadiene	1.6900		ppbv		2.00		84	70-130		
Surrogate: 4-Bromofluorobenzene	9.7600		ppbv		10.0		98	75-125		

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Notes and Definitions

E	This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja
Rebecca Merz

