

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

05/22/2008

Laboratory Identifier: 0706164

Received: 06/07/2007 17:31

Client: Blue Water

1610 New Highway
Farmingdale,
NY 11735

Project: Island Park Pilot Study

7 Washington Ave
Island Park,
NY 11558

Manager: Kim Simone/Ellis Kotch

Respectfully submitted,



Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
NH Cert. # 252592-BA



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

05/22/2008

Volatiles - EPA 8260B

Sample: 0706164-1

Client Sample ID: FB2

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 06/09/2007

Type: Grab

Collected: 06/07/2007 15:20

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
67-64-1	Acetone	A2523-2780	0.79	0.79	ug/L	U
56-23-5	Carbon Tetrachloride	A2523-2780	0.30	0.30	ug/L	U
67-66-3	Chloroform	A2523-2780	0.39	0.39	ug/L	U
71-43-2	Benzene	A2523-2780	0.34	0.34	ug/L	U
71-55-6	1,1,1-Trichloroethane	A2523-2780	0.43	0.43	ug/L	U
74-83-9	Bromomethane	A2523-2780	0.52	0.52	ug/L	U
74-87-3	Chloromethane	A2523-2780	0.73	0.73	ug/L	U
74-95-3	Dibromomethane	A2523-2780	0.41	0.41	ug/L	U
74-97-5	Bromochloromethane	A2523-2780	0.61	0.61	ug/L	U
75-00-3	Chloroethane	A2523-2780	0.75	0.75	ug/L	U
75-01-4	Vinyl Chloride	A2523-2780	0.38	0.38	ug/L	U
75-09-2	Methylene Chloride	A2523-2780	0.44	0.44	ug/L	U
75-15-0	Carbon disulfide	A2523-2780	0.32	0.32	ug/L	U
75-25-2	Bromoform	A2523-2780	0.46	0.46	ug/L	U
75-27-4	Bromodichloromethane	A2523-2780	0.45	0.45	ug/L	U
75-34-3	1,1-Dichloroethane	A2523-2780	0.36	0.36	ug/L	U
75-35-4	1,1-Dichloroethene	A2523-2780	0.37	0.37	ug/L	U
75-45-6	Chlorodifluoromethane	A2523-2780	0.35	0.35	ug/L	U
75-65-0	Tertiary butyl alcohol	A2523-2780	21.4	21.4	ug/L	U
75-69-4	Trichlorofluoromethane	A2523-2780	0.34	0.34	ug/L	U
75-71-8	Dichlorodifluoromethane	A2523-2780	0.34	0.34	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A2523-2780	0.46	0.46	ug/L	U
78-87-5	1,2-Dichloropropane	A2523-2780	0.49	0.49	ug/L	U
78-93-3	2-Butanone	A2523-2780	0.96	0.96	ug/L	U
79-00-5	1,1,2-Trichloroethane	A2523-2780	0.42	0.42	ug/L	U
79-01-6	Trichloroethene	A2523-2780	0.28	0.28	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	A2523-2780	0.55	0.55	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	A2523-2780	0.52	0.52	ug/L	U
87-68-3	Hexachlorobutadiene	A2523-2780	0.49	0.49	ug/L	U
91-20-3	Naphthalene	A2523-2780	0.54	0.54	ug/L	U
95-47-6	o-xylene	A2523-2780	0.44	0.44	ug/L	U
95-49-8	2-Chlorotoluene	A2523-2780	0.43	0.43	ug/L	U
95-50-1	1,2-Dichlorobenzene	A2523-2780	0.41	0.41	ug/L	U



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Volatiles - EPA 8260B

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Client Sample ID: FB2

Collected: 06/07/2007 15:20

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 06/09/2007

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
95-63-6	1,2,4-Trimethylbenzene	A2523-2780	0.38	0.38	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	A2523-2780	0.42	0.42	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	A2523-2780	0.70	0.70	ug/L	U
96-18-4	1,2,3-Trichloropropane	A2523-2780	0.71	0.71	ug/L	U
98-06-6	tert-Butylbenzene	A2523-2780	0.48	0.48	ug/L	U
98-82-8	Isopropylbenzene	A2523-2780	0.33	0.33	ug/L	U
99-87-6	4-Isopropyltoluene	A2523-2780	0.37	0.37	ug/L	U
100-41-4	Ethylbenzene	A2523-2780	0.44	0.44	ug/L	U
100-42-5	Styrene	A2523-2780	0.33	0.33	ug/L	U
103-65-1	n-Propylbenzene	A2523-2780	0.36	0.36	ug/L	U
104-51-8	n-Butylbenzene	A2523-2780	0.39	0.39	ug/L	U
105-05-5	p-Diethylbenzene	A2523-2780	0.39	0.39	ug/L	U
106-43-4	4-Chlorotoluene	A2523-2780	0.46	0.46	ug/L	U
106-46-7	1,4-Dichlorobenzene	A2523-2780	0.46	0.46	ug/L	U
106-93-4	1,2-Dibromoethane	A2523-2780	0.36	0.36	ug/L	U
107-06-2	1,2-Dichloroethane	A2523-2780	0.32	0.32	ug/L	U
107-13-1	Acrylonitrile	A2523-2780	2.04	2.04	ug/L	U
108-10-1	4-Methyl-2-pentanone	A2523-2780	0.49	0.49	ug/L	U
108-38-3	m,p-xylene	A2523-2780	0.78	0.78	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	A2523-2780	0.34	0.34	ug/L	U
108-86-1	Bromobenzene	A2523-2780	0.38	0.38	ug/L	U
108-88-3	Toluene	A2523-2780	0.40	0.40	ug/L	U
108-90-7	Chlorobenzene	A2523-2780	0.36	0.36	ug/L	U
110-75-8	2-Chloroethylvinylether	A2523-2780	1.77	1.77	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	A2523-2780	0.42	0.42	ug/L	U
124-48-1	Dibromochloromethane	A2523-2780	0.45	0.45	ug/L	U
127-18-4	Tetrachloroethene	A2523-2780	0.18	0.18	ug/L	U
135-98-8	sec-Butylbenzene	A2523-2780	0.42	0.42	ug/L	U
142-28-9	1,3-Dichloropropane	A2523-2780	0.38	0.38	ug/L	U
156-59-2	c-1,2-Dichloroethene	A2523-2780	0.43	0.43	ug/L	U
156-60-5	t-1,2-Dichloroethene	A2523-2780	0.38	0.38	ug/L	U
541-73-1	1,3-Dichlorobenzene	A2523-2780	0.45	0.45	ug/L	U
563-58-6	1,1-Dichloropropene	A2523-2780	0.21	0.21	ug/L	U



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Volatiles - EPA 8260B

Sample: 0706164-1

Client Sample ID: FB2

Collected: 06/07/2007 15:20

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 06/09/2007

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
590-20-7	2,2-Dichloropropane	A2523-2780	0.47	0.47	ug/L	U
591-78-6	2-Hexanone	A2523-2780	0.31	0.31	ug/L	U
622-96-8	p-Ethyltoluene	A2523-2780	0.40	0.40	ug/L	U
630-20-6	1,1,1,2-Tetrachloroethane	A2523-2780	0.43	0.43	ug/L	U
994-05-8	TAME	A2523-2780	0.41	0.41	ug/L	U
1634-04-4	Methyl t-butyl ether	A2523-2780	0.40	0.40	ug/L	U
10061-01-5	c-1,3-Dichloropropene	A2523-2780	0.41	0.41	ug/L	U
10061-02-6	t-1,3-Dichloropropene	A2523-2780	0.42	0.42	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2523-2780	102.0 %	(70 - 110)	
460-00-4	4-BROMOFLUOROBENZENE	A2523-2780	99.8 %	(78 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	A2523-2780	98.2 %	(69 - 129)	
2037-26-5	TOLUENE-D8	A2523-2780	101.0 %	(90 - 108)	



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05/22/2008

Volatiles - EPA 8260B

Sample: 0706164-2

Client Sample ID: TRIP BLANK

Collected: 06/07/2007

Matrix: Liquid

Type: Trip Blank

Remarks: See Case Narrative

Analyzed Date: 06/09/2007

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
67-64-1	Acetone	A2523-2781	0.79	0.79	ug/L	U
56-23-5	Carbon Tetrachloride	A2523-2781	0.30	0.30	ug/L	U
67-66-3	Chloroform	A2523-2781	0.39	0.39	ug/L	U
71-43-2	Benzene	A2523-2781	0.34	0.34	ug/L	U
71-55-6	1,1,1-Trichloroethane	A2523-2781	0.43	0.43	ug/L	U
74-83-9	Bromomethane	A2523-2781	0.52	0.52	ug/L	U
74-87-3	Chloromethane	A2523-2781	0.73	0.73	ug/L	U
74-95-3	Dibromomethane	A2523-2781	0.41	0.41	ug/L	U
74-97-5	Bromochloromethane	A2523-2781	0.61	0.61	ug/L	U
75-00-3	Chloroethane	A2523-2781	0.75	0.75	ug/L	U
75-01-4	Vinyl Chloride	A2523-2781	0.38	0.38	ug/L	U
75-09-2	Methylene Chloride	A2523-2781	0.44	0.44	ug/L	U
75-15-0	Carbon disulfide	A2523-2781	0.32	0.32	ug/L	U
75-25-2	Bromoform	A2523-2781	0.46	0.46	ug/L	U
75-27-4	Bromodichloromethane	A2523-2781	0.45	0.45	ug/L	U
75-34-3	1,1-Dichloroethane	A2523-2781	0.36	0.36	ug/L	U
75-35-4	1,1-Dichloroethene	A2523-2781	0.37	0.37	ug/L	U
75-45-6	Chlorodifluoromethane	A2523-2781	0.35	0.35	ug/L	U
75-65-0	Tertiary butyl alcohol	A2523-2781	21.4	21.4	ug/L	U
75-69-4	Trichlorofluoromethane	A2523-2781	0.34	0.34	ug/L	U
75-71-8	Dichlorodifluoromethane	A2523-2781	0.34	0.34	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A2523-2781	0.46	0.46	ug/L	U
78-87-5	1,2-Dichloropropane	A2523-2781	0.49	0.49	ug/L	U
78-93-3	2-Butanone	A2523-2781	0.96	0.96	ug/L	U
79-00-5	1,1,2-Trichloroethane	A2523-2781	0.42	0.42	ug/L	U
79-01-6	Trichloroethene	A2523-2781	0.28	0.28	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	A2523-2781	0.55	0.55	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	A2523-2781	0.52	0.52	ug/L	U
87-68-3	Hexachlorobutadiene	A2523-2781	0.49	0.49	ug/L	U
91-20-3	Naphthalene	A2523-2781	0.54	0.54	ug/L	U
95-47-6	o-xylene	A2523-2781	0.44	0.44	ug/L	U
95-49-8	2-Chlorotoluene	A2523-2781	0.43	0.43	ug/L	U
95-50-1	1,2-Dichlorobenzene	A2523-2781	0.41	0.41	ug/L	U



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05/22/2008

Volatiles - EPA 8260B

Sample: 0706164-2

Client Sample ID: TRIP BLANK

Collected: 06/07/2007

Matrix: Liquid

Type: Trip Blank

Remarks: See Case Narrative

Analyzed Date: 06/09/2007

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
95-63-6	1,2,4-Trimethylbenzene	A2523-2781	0.38	0.38	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	A2523-2781	0.42	0.42	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	A2523-2781	0.70	0.70	ug/L	U
96-18-4	1,2,3-Trichloropropane	A2523-2781	0.71	0.71	ug/L	U
98-06-6	tert-Butylbenzene	A2523-2781	0.48	0.48	ug/L	U
98-82-8	Isopropylbenzene	A2523-2781	0.33	0.33	ug/L	U
99-87-6	4-Isopropyltoluene	A2523-2781	0.37	0.37	ug/L	U
100-41-4	Ethylbenzene	A2523-2781	0.44	0.44	ug/L	U
100-42-5	Styrene	A2523-2781	0.33	0.33	ug/L	U
103-65-1	n-Propylbenzene	A2523-2781	0.36	0.36	ug/L	U
104-51-8	n-Butylbenzene	A2523-2781	0.39	0.39	ug/L	U
105-05-5	p-Diethylbenzene	A2523-2781	0.39	0.39	ug/L	U
106-43-4	4-Chlorotoluene	A2523-2781	0.46	0.46	ug/L	U
106-46-7	1,4-Dichlorobenzene	A2523-2781	0.46	0.46	ug/L	U
106-93-4	1,2-Dibromoethane	A2523-2781	0.36	0.36	ug/L	U
107-06-2	1,2-Dichloroethane	A2523-2781	0.32	0.32	ug/L	U
107-13-1	Acrylonitrile	A2523-2781	2.04	2.04	ug/L	U
108-10-1	4-Methyl-2-pentanone	A2523-2781	0.49	0.49	ug/L	U
108-38-3	m,p-xylene	A2523-2781	0.78	0.78	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	A2523-2781	0.34	0.34	ug/L	U
108-86-1	Bromobenzene	A2523-2781	0.38	0.38	ug/L	U
108-88-3	Toluene	A2523-2781	0.40	0.40	ug/L	U
108-90-7	Chlorobenzene	A2523-2781	0.36	0.36	ug/L	U
110-75-8	2-Chloroethylvinylether	A2523-2781	1.77	1.77	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	A2523-2781	0.42	0.42	ug/L	U
124-48-1	Dibromochloromethane	A2523-2781	0.45	0.45	ug/L	U
127-18-4	Tetrachloroethene	A2523-2781	0.18	0.18	ug/L	U
135-98-8	sec-Butylbenzene	A2523-2781	0.42	0.42	ug/L	U
142-28-9	1,3-Dichloropropane	A2523-2781	0.38	0.38	ug/L	U
156-59-2	c-1,2-Dichloroethene	A2523-2781	0.43	0.43	ug/L	U
156-60-5	t-1,2-Dichloroethene	A2523-2781	0.38	0.38	ug/L	U
541-73-1	1,3-Dichlorobenzene	A2523-2781	0.45	0.45	ug/L	U
563-58-6	1,1-Dichloropropene	A2523-2781	0.21	0.21	ug/L	U



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05/22/2008

Volatiles - EPA 8260B

Sample: 0706164-2

Client Sample ID: TRIP BLANK

Collected: 06/07/2007

Matrix: Liquid

Type: Trip Blank

Remarks: See Case Narrative

Analyzed Date: 06/09/2007

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
590-20-7	2,2-Dichloropropane	A2523-2781	0.47	0.47	ug/L	U
591-78-6	2-Hexanone	A2523-2781	0.31	0.31	ug/L	U
622-96-8	p-Ethyltoluene	A2523-2781	0.40	0.40	ug/L	U
630-20-6	1,1,1,2-Tetrachloroethane	A2523-2781	0.43	0.43	ug/L	U
994-05-8	TAME	A2523-2781	0.41	0.41	ug/L	U
1634-04-4	Methyl t-butyl ether	A2523-2781	0.40	0.40	ug/L	U
10061-01-5	c-1,3-Dichloropropene	A2523-2781	0.41	0.41	ug/L	U
10061-02-6	t-1,3-Dichloropropene	A2523-2781	0.42	0.42	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2523-2781	101.0 %	(70 - 110)	
460-00-4	4-BROMOFLUOROBENZENE	A2523-2781	101.0 %	(78 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	A2523-2781	97.9 %	(69 - 129)	
2037-26-5	TOLUENE-D8	A2523-2781	100.0 %	(90 - 108)	



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05/22/2008

Semivolatile Compounds - EPA 8270C

Sample: 0706164-1

Client Sample ID: FB2

Collected: 06/07/2007 15:20

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 06/12/2007

Preparation Date(s) : 06/12/2007

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
120-82-1	1,2,4-Trichlorobenzene	A1693-821	0.33	0.33	ug/L	U
95-50-1	1,2-Dichlorobenzene	A1693-821	0.32	0.32	ug/L	U
122-66-7	1,2-Diphenylhydrazine	A1693-821	0.44	0.44	ug/L	U
541-73-1	1,3-Dichlorobenzene	A1693-821	0.43	0.43	ug/L	U
106-46-7	1,4-Dichlorobenzene	A1693-821	0.32	0.32	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	A1693-821	0.67	0.67	ug/L	U
95-95-4	2,4,5-Trichlorophenol	A1693-821	0.35	0.35	ug/L	U
88-06-2	2,4,6-Trichlorophenol	A1693-821	0.49	0.49	ug/L	U
120-83-2	2,4-Dichlorophenol	A1693-821	0.22	0.22	ug/L	U
105-67-9	2,4-Dimethylphenol	A1693-821	1.20	1.20	ug/L	U
51-28-5	2,4-Dinitrophenol	A1693-821	6.29	6.29	ug/L	U
121-14-2	2,4-Dinitrotoluene	A1693-821	0.44	0.44	ug/L	U
606-20-2	2,6-Dinitrotoluene	A1693-821	0.30	0.30	ug/L	U
91-58-7	2-Chloronaphthalene	A1693-821	0.43	0.43	ug/L	U
95-57-8	2-Chlorophenol	A1693-821	0.28	0.28	ug/L	U
91-57-6	2-Methylnaphthalene	A1693-821	0.31	0.31	ug/L	U
95-48-7	2-Methylphenol	A1693-821	0.36	0.36	ug/L	U
88-74-4	2-Nitroaniline	A1693-821	0.30	0.30	ug/L	U
88-75-5	2-Nitrophenol	A1693-821	0.22	0.22	ug/L	U
106-44-5	3+4-Methylphenol	A1693-821	0.47	0.47	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	A1693-821	1.41	1.41	ug/L	U
99-09-2	3-Nitroaniline	A1693-821	0.54	0.54	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	A1693-821	0.30	0.30	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	A1693-821	0.59	0.59	ug/L	U
59-50-7	4-Chloro-3-methylphenol	A1693-821	0.25	0.25	ug/L	U
106-47-8	4-Chloroaniline	A1693-821	1.06	1.06	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	A1693-821	0.45	0.45	ug/L	U
100-01-6	4-Nitroaniline	A1693-821	0.45	0.45	ug/L	U
100-02-7	4-Nitrophenol	A1693-821	0.27	0.27	ug/L	U
83-32-9	Acenaphthene	A1693-821	0.34	0.34	ug/L	U
208-96-8	Acenaphthylene	A1693-821	0.37	0.37	ug/L	U
62-53-3	Aniline	A1693-821	0.67	0.67	ug/L	U
120-12-7	Anthracene	A1693-821	0.58	0.58	ug/L	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

05/22/2008

Semivolatile Compounds - EPA 8270C

Sample: 0706164-1

Client Sample ID: FB2

Collected: 06/07/2007 15:20

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 06/12/2007

Preparation Date(s) : 06/12/2007

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
92-87-5	Benzidine	A1693-821	21.8	21.8	ug/L	U
56-55-3	Benzo(a)anthracene	A1693-821	0.90	0.90	ug/L	U
50-32-8	Benzo(a)pyrene	A1693-821	1.01	1.01	ug/L	U
205-99-2	Benzo(b)fluoranthene	A1693-821	0.94	0.94	ug/L	U
191-24-2	Benzo(g,h,i)perylene	A1693-821	0.84	0.84	ug/L	U
207-08-9	Benzo(k)fluoranthene	A1693-821	1.01	1.01	ug/L	U
65-85-0	Benzoic acid	A1693-821	2.14	2.14	ug/L	U
100-51-6	Benzyl alcohol	A1693-821	0.26	0.26	ug/L	U
85-68-7	Butyl benzyl phthalate	A1693-821	0.99	0.99	ug/L	U
86-74-8	Carbazole	A1693-821	0.87	0.87	ug/L	U
218-01-9	Chrysene	A1693-821	0.90	0.90	ug/L	U
	Cresols	A1693-821	0.83	0.83	ug/L	U
84-74-2	Di-n-butyl phthalate	A1693-821	0.94	0.94	ug/L	U
117-84-0	Di-n-octyl phthalate	A1693-821	1.01	1.01	ug/L	U
53-70-3	Dibenz(a,h)anthracene	A1693-821	0.81	0.81	ug/L	U
132-64-9	Dibenzofuran	A1693-821	0.27	0.27	ug/L	U
84-66-2	Diethyl phthalate	A1693-821	0.83	0.83	ug/L	U
131-11-3	Dimethyl phthalate	A1693-821	0.41	0.41	ug/L	U
206-44-0	Fluoranthene	A1693-821	0.79	0.79	ug/L	U
86-73-7	Fluorene	A1693-821	0.43	0.43	ug/L	U
118-74-1	Hexachlorobenzene	A1693-821	0.57	0.57	ug/L	U
87-68-3	Hexachlorobutadiene	A1693-821	0.39	0.39	ug/L	U
77-47-4	Hexachlorocyclopentadiene	A1693-821	0.41	0.41	ug/L	U
67-72-1	Hexachloroethane	A1693-821	0.47	0.47	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	A1693-821	0.79	0.79	ug/L	U
78-59-1	Isophorone	A1693-821	0.33	0.33	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	A1693-821	0.29	0.29	ug/L	U
62-75-9	N-Nitrosodimethylamine	A1693-821	0.30	0.30	ug/L	U
86-30-6	N-Nitrosodiphenylamine	A1693-821	0.48	0.48	ug/L	U
91-20-3	Naphthalene	A1693-821	0.40	0.40	ug/L	U
98-95-3	Nitrobenzene	A1693-821	0.25	0.25	ug/L	U
87-86-5	Pentachlorophenol	A1693-821	0.55	0.55	ug/L	U
85-01-8	Phenanthrene	A1693-821	0.57	0.57	ug/L	U



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Analyzed Date: 06/12/2007

Preparation Date(s) : 06/12/2007

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
108-95-2	Phenol	A1693-821	0.14	0.14	ug/L	U
129-00-0	Pyrene	A1693-821	0.79	0.79	ug/L	U
110-86-1	Pyridine	A1693-821	2.02	2.02	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	A1693-821	0.26	0.26	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	A1693-821	0.30	0.30	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	A1693-821	0.43	0.43	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	A1693-821	1.43	7.58	ug/L	

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A1693-821	54.0 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	A1693-821	47.7 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	A1693-821	35.0 %	(21 - 110)	
4165-60-0	NITROBENZENE-D5	A1693-821	57.3 %	(35 - 114)	
13127-88-3	PHENOL-D6	A1693-821	22.3 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	A1693-821	66.6 %	(33 - 141)	



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Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

- Acetone
- 2-Butanone
- 4-Methyl-2-pentanone
- 2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.

Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.

Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.



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Case Narrative

SEMIVOLATILES ANALYSIS GCMS-SV

INTRODUCTION

Samples were analyzed in accordance with protocols based on SW846 Methodologies, using accepted QA/QC procedures.
All required QA/QC parameters met acceptable limits unless otherwise noted.

HOLDING TIME INFORMATION

All analyses were performed within required holding times.

SURROGATE RECOVERY INFORMATION

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANK

The spike recoveries for the matrix spike blank were within QC limits.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Matrix spikes were not designated to be performed on any of the samples in this report package.

METHOD BLANK

The method blank associated with these samples did not contain target compounds at or above the QC limits.

TUNE PERFORMANCE

All Tune (DFTPP) specifications met QC criteria.

CALIBRATION INFORMATION

Initial Calibration: All required minimum RRFs and maximum % RSD requirements have been met in accordance with the Method.

Results were quantitated using initial calibration average of response factors.

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the Method.

INTERNAL STANDARDS

All area responses and retention times fell within acceptable ranges.



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Case Narrative



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Case Narrative

VOLATILES ANALYSIS GCMS-V

INTRODUCTION

Samples were analyzed in accordance with protocols based on SW846 Methodologies, using accepted QA/QC procedures.

All required QA/QC parameters met acceptable limits unless otherwise noted.

HOLDING TIME INFORMATION

All analyses were performed within required holding times.

SURROGATE RECOVERY INFORMATION

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANK

The spike recoveries for the matrix spike blank were within QC limits.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Matrix spikes were not designated to be performed on any of the samples in this report package. Batch QC was utilized.

METHOD BLANK

Acetone, a common laboratory contaminant, was detected in method blank VBLK-75 at a concentration of 14.6ppb.

TUNE PERFORMANCE

All Tune (BFB) specifications met QC criteria.

CALIBRATION INFORMATION

Initial Calibration: All required minimum RRFs and maximum % RSD requirements have been met in accordance with the Method.

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

- Acetone
- 2-Butanone
- 4-Methyl-2-pentanone
- 2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.

Acrylonitrile were calibrated at 50, 100, 150, 200 and 250 ppb levels.

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Case Narrative

Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the Method.

Samples were quantitated using the initial calibration average response factor.

INTERNAL STANDARDS

All area responses and retention times fell within acceptable ranges.



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ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

- U - The analytical result is not detected above the Method Detection Limit (MDL).
All MDL's are lower than the lowest calibration standard concentration.
- J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- B - The analyte was found in the associated method blank as well as the sample.
It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - The concentration of the analyte exceeded the calibration range of the instrument.
- D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

- E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

