

Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

9/9/2011

Laboratory Identifier: 1108264

Received: 8/17/2011 13:09

Sampled by: Ellis Koch

Client: POSILLICO DEVELOPMENT

1750 New Highway

Farmingdale,

NY 11735

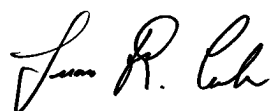
Project: Harbor Isle

Island Park,

NY

Manager: Ellis Koch

Respectfully submitted,



Juan R. Cuba - Technical Director

NYS Lab ID # 10969

NJ Cert. # 73812

CT Cert. # PH0645

PA Cert. #002

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Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

9/9/2011

Volatiles - EPA 8260B

Sample: 1108264-1

Client Sample ID: LMW-4

Collected: 8/17/2011

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 8/23/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
67-64-1	Acetone	C3985-1706	2.92	83.3	ug/L	
56-23-5	Carbon Tetrachloride	C3985-1706	0.44	ND	ug/L	U
67-66-3	Chloroform	C3985-1706	0.46	ND	ug/L	U
71-43-2	Benzene	C3985-1706	0.43	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C3985-1706	0.52	ND	ug/L	U
74-83-9	Bromomethane	C3985-1706	0.59	ND	ug/L	U
74-87-3	Chloromethane	C3985-1706	0.51	ND	ug/L	U
74-95-3	Dibromomethane	C3985-1706	0.47	ND	ug/L	U
74-97-5	Bromochloromethane	C3985-1706	0.53	ND	ug/L	U
75-00-3	Chloroethane	C3985-1706	0.94	ND	ug/L	U
75-01-4	Vinyl Chloride	C3985-1706	0.43	ND	ug/L	U
75-09-2	Methylene Chloride	C3985-1706	0.39	ND	ug/L	U
75-15-0	Carbon disulfide	C3985-1706	0.40	ND	ug/L	U
75-25-2	Bromoform	C3985-1706	0.37	ND	ug/L	U
75-27-4	Bromodichloromethane	C3985-1706	0.50	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C3985-1706	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C3985-1706	0.37	ND	ug/L	U
75-45-6	Chlorodifluoromethane	C3985-1706	0.47	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C3985-1706	8.92	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C3985-1706	0.52	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C3985-1706	0.49	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C3985-1706	0.47	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C3985-1706	0.52	ND	ug/L	U
78-93-3	2-Butanone	C3985-1706	1.92	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C3985-1706	0.51	ND	ug/L	U
79-01-6	Trichloroethene	C3985-1706	0.46	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C3985-1706	0.46	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C3985-1706	0.36	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C3985-1706	0.54	ND	ug/L	U
91-20-3	Naphthalene	C3985-1706	0.33	ND	ug/L	U
95-47-6	o-xylene	C3985-1706	0.37	ND	ug/L	U
95-49-8	2-Chlorotoluene	C3985-1706	0.36	ND	ug/L	U



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Client Sample ID: LMW-4

Collected: 8/17/2011

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 8/23/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
95-50-1	1,2-Dichlorobenzene	C3985-1706	0.49	ND	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	C3985-1706	0.44	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C3985-1706	0.35	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C3985-1706	0.28	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C3985-1706	0.54	ND	ug/L	U
98-06-6	tert-Butylbenzene	C3985-1706	0.44	ND	ug/L	U
98-82-8	Isopropylbenzene	C3985-1706	0.44	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C3985-1706	0.34	ND	ug/L	U
100-41-4	Ethylbenzene	C3985-1706	0.41	ND	ug/L	U
100-42-5	Styrene	C3985-1706	0.39	ND	ug/L	U
103-65-1	n-Propylbenzene	C3985-1706	0.41	ND	ug/L	U
104-51-8	n-Butylbenzene	C3985-1706	0.43	ND	ug/L	U
105-05-5	p-Diethylbenzene	C3985-1706	0.39	ND	ug/L	U
106-43-4	4-Chlorotoluene	C3985-1706	0.52	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C3985-1706	0.40	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C3985-1706	0.47	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C3985-1706	0.50	ND	ug/L	U
107-13-1	Acrylonitrile	C3985-1706	7.65	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C3985-1706	1.82	ND	ug/L	U
108-38-3	m,p-xylene	C3985-1706	0.86	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C3985-1706	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C3985-1706	0.37	ND	ug/L	U
108-88-3	Toluene	C3985-1706	0.45	ND	ug/L	U
108-90-7	Chlorobenzene	C3985-1706	0.48	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C3985-1706	0.50	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C3985-1706	0.45	ND	ug/L	U
124-48-1	Dibromochloromethane	C3985-1706	0.43	ND	ug/L	U
127-18-4	Tetrachloroethene	C3985-1706	0.59	ND	ug/L	U
135-98-8	sec-Butylbenzene	C3985-1706	0.36	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C3985-1706	0.46	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C3985-1706	0.42	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C3985-1706	0.27	ND	ug/L	U



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Client Sample ID: LMW-4

Collected: 8/17/2011

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 8/23/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
541-73-1	1,3-Dichlorobenzene	C3985-1706	0.38	ND	ug/L	U
563-58-6	1,1-Dichloropropene	C3985-1706	0.36	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C3985-1706	0.59	ND	ug/L	U
591-78-6	2-Hexanone	C3985-1706	2.23	ND	ug/L	U
622-96-8	p-Ethyltoluene	C3985-1706	0.39	ND	ug/L	U
630-20-6	1,1,1,2-Tetrachloroethane	C3985-1706	0.42	ND	ug/L	U
994-05-8	TAME	C3985-1706	0.77	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C3985-1706	0.50	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C3985-1706	0.52	ND	ug/L	U
10061-02-6	t-1,3-Dichloropropene	C3985-1706	0.37	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C3985-1706	102.0 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C3985-1706	99.4 %	(86 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C3985-1706	102.0 %	(80 - 117)	
2037-26-5	TOLUENE-D8	C3985-1706	107.0 %	(92 - 111)	



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9/9/2011

Volatiles - EPA 8260B

Sample: 1108264-2

Client Sample ID: Trip Blank

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 8/23/2011

Type: Trip Blank

Collected: 8/17/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
67-64-1	Acetone	C3985-1702	2.92	ND	ug/L	U
56-23-5	Carbon Tetrachloride	C3985-1702	0.44	ND	ug/L	U
67-66-3	Chloroform	C3985-1702	0.46	ND	ug/L	U
71-43-2	Benzene	C3985-1702	0.43	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C3985-1702	0.52	ND	ug/L	U
74-83-9	Bromomethane	C3985-1702	0.59	ND	ug/L	U
74-87-3	Chloromethane	C3985-1702	0.51	ND	ug/L	U
74-95-3	Dibromomethane	C3985-1702	0.47	ND	ug/L	U
74-97-5	Bromochloromethane	C3985-1702	0.53	ND	ug/L	U
75-00-3	Chloroethane	C3985-1702	0.94	ND	ug/L	U
75-01-4	Vinyl Chloride	C3985-1702	0.43	ND	ug/L	U
75-09-2	Methylene Chloride	C3985-1702	0.39	ND	ug/L	U
75-15-0	Carbon disulfide	C3985-1702	0.40	ND	ug/L	U
75-25-2	Bromoform	C3985-1702	0.37	ND	ug/L	U
75-27-4	Bromodichloromethane	C3985-1702	0.50	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C3985-1702	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C3985-1702	0.37	ND	ug/L	U
75-45-6	Chlorodifluoromethane	C3985-1702	0.47	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C3985-1702	8.92	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C3985-1702	0.52	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C3985-1702	0.49	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C3985-1702	0.47	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C3985-1702	0.52	ND	ug/L	U
78-93-3	2-Butanone	C3985-1702	1.92	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C3985-1702	0.51	ND	ug/L	U
79-01-6	Trichloroethene	C3985-1702	0.46	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C3985-1702	0.46	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C3985-1702	0.36	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C3985-1702	0.54	ND	ug/L	U
91-20-3	Naphthalene	C3985-1702	0.33	ND	ug/L	U
95-47-6	o-xylene	C3985-1702	0.37	ND	ug/L	U
95-49-8	2-Chlorotoluene	C3985-1702	0.36	ND	ug/L	U



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9/9/2011

Volatiles - EPA 8260B

Sample: 1108264-2

Client Sample ID: Trip Blank

Collected: 8/17/2011

Matrix: Liquid

Type: Trip Blank

Remarks: See Case Narrative

Analyzed Date: 8/23/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
95-50-1	1,2-Dichlorobenzene	C3985-1702	0.49	ND	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	C3985-1702	0.44	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C3985-1702	0.35	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C3985-1702	0.28	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C3985-1702	0.54	ND	ug/L	U
98-06-6	tert-Butylbenzene	C3985-1702	0.44	ND	ug/L	U
98-82-8	Isopropylbenzene	C3985-1702	0.44	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C3985-1702	0.34	ND	ug/L	U
100-41-4	Ethylbenzene	C3985-1702	0.41	ND	ug/L	U
100-42-5	Styrene	C3985-1702	0.39	ND	ug/L	U
103-65-1	n-Propylbenzene	C3985-1702	0.41	ND	ug/L	U
104-51-8	n-Butylbenzene	C3985-1702	0.43	ND	ug/L	U
105-05-5	p-Diethylbenzene	C3985-1702	0.39	ND	ug/L	U
106-43-4	4-Chlorotoluene	C3985-1702	0.52	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C3985-1702	0.40	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C3985-1702	0.47	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C3985-1702	0.50	ND	ug/L	U
107-13-1	Acrylonitrile	C3985-1702	7.65	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C3985-1702	1.82	ND	ug/L	U
108-38-3	m,p-xylene	C3985-1702	0.86	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C3985-1702	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C3985-1702	0.37	ND	ug/L	U
108-88-3	Toluene	C3985-1702	0.45	ND	ug/L	U
108-90-7	Chlorobenzene	C3985-1702	0.48	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C3985-1702	0.50	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C3985-1702	0.45	ND	ug/L	U
124-48-1	Dibromochloromethane	C3985-1702	0.43	ND	ug/L	U
127-18-4	Tetrachloroethene	C3985-1702	0.59	ND	ug/L	U
135-98-8	sec-Butylbenzene	C3985-1702	0.36	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C3985-1702	0.46	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C3985-1702	0.42	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C3985-1702	0.27	ND	ug/L	U



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9/9/2011

Volatiles - EPA 8260B

Sample: 1108264-2

Client Sample ID: Trip Blank

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 8/23/2011

Type: Trip Blank

Collected: 8/17/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
541-73-1	1,3-Dichlorobenzene	C3985-1702	0.38	ND	ug/L	U
563-58-6	1,1-Dichloropropene	C3985-1702	0.36	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C3985-1702	0.59	ND	ug/L	U
591-78-6	2-Hexanone	C3985-1702	2.23	ND	ug/L	U
622-96-8	p-Ethyltoluene	C3985-1702	0.39	ND	ug/L	U
630-20-6	1,1,1,2-Tetrachloroethane	C3985-1702	0.42	ND	ug/L	U
994-05-8	TAME	C3985-1702	0.77	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C3985-1702	0.50	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C3985-1702	0.52	ND	ug/L	U
10061-02-6	t-1,3-Dichloropropene	C3985-1702	0.37	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C3985-1702	98.2 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C3985-1702	98.2 %	(86 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C3985-1702	98.1 %	(80 - 117)	
2037-26-5	TOLUENE-D8	C3985-1702	101.0 %	(92 - 111)	



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9/9/2011

Volatiles - EPA 8260B

Sample: 1108264-3

Client Sample ID: Field Blank

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 8/23/2011

Type: Field Blank

Collected: 8/17/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
67-64-1	Acetone	C3985-1703	2.92	ND	ug/L	U
56-23-5	Carbon Tetrachloride	C3985-1703	0.44	ND	ug/L	U
67-66-3	Chloroform	C3985-1703	0.46	ND	ug/L	U
71-43-2	Benzene	C3985-1703	0.43	ND	ug/L	U
71-55-6	1,1,1-Trichloroethane	C3985-1703	0.52	ND	ug/L	U
74-83-9	Bromomethane	C3985-1703	0.59	ND	ug/L	U
74-87-3	Chloromethane	C3985-1703	0.51	ND	ug/L	U
74-95-3	Dibromomethane	C3985-1703	0.47	ND	ug/L	U
74-97-5	Bromochloromethane	C3985-1703	0.53	ND	ug/L	U
75-00-3	Chloroethane	C3985-1703	0.94	ND	ug/L	U
75-01-4	Vinyl Chloride	C3985-1703	0.43	ND	ug/L	U
75-09-2	Methylene Chloride	C3985-1703	0.39	ND	ug/L	U
75-15-0	Carbon disulfide	C3985-1703	0.40	ND	ug/L	U
75-25-2	Bromoform	C3985-1703	0.37	ND	ug/L	U
75-27-4	Bromodichloromethane	C3985-1703	0.50	ND	ug/L	U
75-34-3	1,1-Dichloroethane	C3985-1703	0.30	ND	ug/L	U
75-35-4	1,1-Dichloroethene	C3985-1703	0.37	ND	ug/L	U
75-45-6	Chlorodifluoromethane	C3985-1703	0.47	ND	ug/L	U
75-65-0	Tertiary butyl alcohol	C3985-1703	8.92	ND	ug/L	U
75-69-4	Trichlorofluoromethane	C3985-1703	0.52	ND	ug/L	U
75-71-8	Dichlorodifluoromethane	C3985-1703	0.49	ND	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C3985-1703	0.47	ND	ug/L	U
78-87-5	1,2-Dichloropropane	C3985-1703	0.52	ND	ug/L	U
78-93-3	2-Butanone	C3985-1703	1.92	ND	ug/L	U
79-00-5	1,1,2-Trichloroethane	C3985-1703	0.51	ND	ug/L	U
79-01-6	Trichloroethene	C3985-1703	0.46	ND	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	C3985-1703	0.46	ND	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	C3985-1703	0.36	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C3985-1703	0.54	ND	ug/L	U
91-20-3	Naphthalene	C3985-1703	0.33	ND	ug/L	U
95-47-6	o-xylene	C3985-1703	0.37	ND	ug/L	U
95-49-8	2-Chlorotoluene	C3985-1703	0.36	ND	ug/L	U



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9/9/2011

Volatiles - EPA 8260B

Sample: 1108264-3

Client Sample ID: Field Blank

Collected: 8/17/2011

Matrix: Liquid

Type: Field Blank

Remarks: See Case Narrative

Analyzed Date: 8/23/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
95-50-1	1,2-Dichlorobenzene	C3985-1703	0.49	ND	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	C3985-1703	0.44	ND	ug/L	U
95-93-2	1,2,4,5-Tetramethylbenzene	C3985-1703	0.35	ND	ug/L	U
96-12-8	1,2-Dibromo-3-chloropropane	C3985-1703	0.28	ND	ug/L	U
96-18-4	1,2,3-Trichloropropane	C3985-1703	0.54	ND	ug/L	U
98-06-6	tert-Butylbenzene	C3985-1703	0.44	ND	ug/L	U
98-82-8	Isopropylbenzene	C3985-1703	0.44	ND	ug/L	U
99-87-6	4-Isopropyltoluene	C3985-1703	0.34	ND	ug/L	U
100-41-4	Ethylbenzene	C3985-1703	0.41	ND	ug/L	U
100-42-5	Styrene	C3985-1703	0.39	ND	ug/L	U
103-65-1	n-Propylbenzene	C3985-1703	0.41	ND	ug/L	U
104-51-8	n-Butylbenzene	C3985-1703	0.43	ND	ug/L	U
105-05-5	p-Diethylbenzene	C3985-1703	0.39	ND	ug/L	U
106-43-4	4-Chlorotoluene	C3985-1703	0.52	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C3985-1703	0.40	ND	ug/L	U
106-93-4	1,2-Dibromoethane	C3985-1703	0.47	ND	ug/L	U
107-06-2	1,2-Dichloroethane	C3985-1703	0.50	ND	ug/L	U
107-13-1	Acrylonitrile	C3985-1703	7.65	ND	ug/L	U
108-10-1	4-Methyl-2-pentanone	C3985-1703	1.82	ND	ug/L	U
108-38-3	m,p-xylene	C3985-1703	0.86	ND	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	C3985-1703	0.43	ND	ug/L	U
108-86-1	Bromobenzene	C3985-1703	0.37	ND	ug/L	U
108-88-3	Toluene	C3985-1703	0.45	ND	ug/L	U
108-90-7	Chlorobenzene	C3985-1703	0.48	ND	ug/L	U
110-75-8	2-Chloroethylvinylether	C3985-1703	0.50	ND	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	C3985-1703	0.45	ND	ug/L	U
124-48-1	Dibromochloromethane	C3985-1703	0.43	ND	ug/L	U
127-18-4	Tetrachloroethene	C3985-1703	0.59	ND	ug/L	U
135-98-8	sec-Butylbenzene	C3985-1703	0.36	ND	ug/L	U
142-28-9	1,3-Dichloropropane	C3985-1703	0.46	ND	ug/L	U
156-59-2	c-1,2-Dichloroethene	C3985-1703	0.42	ND	ug/L	U
156-60-5	t-1,2-Dichloroethene	C3985-1703	0.27	ND	ug/L	U



Environmental Quality Services, Inc.

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9/9/2011

Volatiles - EPA 8260B

Sample: 1108264-3

Client Sample ID: Field Blank

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 8/23/2011

Type: Field Blank

Collected: 8/17/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
541-73-1	1,3-Dichlorobenzene	C3985-1703	0.38	ND	ug/L	U
563-58-6	1,1-Dichloropropene	C3985-1703	0.36	ND	ug/L	U
590-20-7	2,2-Dichloropropane	C3985-1703	0.59	ND	ug/L	U
591-78-6	2-Hexanone	C3985-1703	2.23	ND	ug/L	U
622-96-8	p-Ethyltoluene	C3985-1703	0.39	ND	ug/L	U
630-20-6	1,1,1,2-Tetrachloroethane	C3985-1703	0.42	ND	ug/L	U
994-05-8	TAME	C3985-1703	0.77	ND	ug/L	U
1634-04-4	Methyl t-butyl ether	C3985-1703	0.50	ND	ug/L	U
10061-01-5	c-1,3-Dichloropropene	C3985-1703	0.52	ND	ug/L	U
10061-02-6	t-1,3-Dichloropropene	C3985-1703	0.37	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C3985-1703	98.8 %	(68 - 135)	
460-00-4	4-BROMOFLUOROBENZENE	C3985-1703	100.0 %	(86 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C3985-1703	97.0 %	(80 - 117)	
2037-26-5	TOLUENE-D8	C3985-1703	108.0 %	(92 - 111)	



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9/9/2011

Volatiles +10 - TIC Search

Sample: 1108264-1

Client Sample ID: LMW-4

Collected: 8/17/2011

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 8/23/2011

Analyte	RT	Result	Units
None Detected			ug/L

Sample: 1108264-2

Client Sample ID: Trip Blank

Collected: 8/17/2011

Matrix: Liquid

Type: Trip Blank

Remarks:

Analyzed Date: 8/23/2011

Analyte	RT	Result	Units
None Detected			ug/L

Sample: 1108264-3

Client Sample ID: Field Blank

Collected: 8/17/2011

Matrix: Liquid

Type: Field Blank

Remarks:

Analyzed Date: 8/23/2011

Analyte	RT	Result	Units
None Detected			ug/L



Environmental Quality Services, Inc.

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9/9/2011

Semivolatile Compounds - EPA 8270C

Sample: 1108264-1

Client Sample ID: LMW-4

Collected: 8/17/2011

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/9/2011

Preparation Date(s) : 8/22/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2732-4772	4.60	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2732-4772	3.55	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2732-4772	4.35	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2732-4772	4.10	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2732-4772	3.70	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2732-4772	5.35	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2732-4772	2.95	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2732-4772	3.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2732-4772	4.90	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2732-4772	5.15	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2732-4772	22.5	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2732-4772	3.10	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2732-4772	4.90	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2732-4772	4.60	ND	ug/L	U
95-57-8	2-Chlorophenol	C2732-4772	3.15	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2732-4772	4.10	ND	ug/L	U
95-48-7	2-Methylphenol	C2732-4772	2.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2732-4772	3.85	ND	ug/L	U
88-75-5	2-Nitrophenol	C2732-4772	5.15	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2732-4772	0.85	7.29	ug/L	
91-94-1	3,3'-Dichlorobenzidine	C2732-4772	3.40	ND	ug/L	U
99-09-2	3-Nitroaniline	C2732-4772	3.00	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2732-4772	4.10	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2732-4772	4.25	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2732-4772	2.65	ND	ug/L	U
106-47-8	4-Chloroaniline	C2732-4772	2.35	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2732-4772	4.60	ND	ug/L	U
100-01-6	4-Nitroaniline	C2732-4772	5.35	ND	ug/L	U
100-02-7	4-Nitrophenol	C2732-4772	10.2	ND	ug/L	U
83-32-9	Acenaphthene	C2732-4772	5.10	ND	ug/L	U
208-96-8	Acenaphthylene	C2732-4772	4.65	ND	ug/L	U
62-53-3	Aniline	C2732-4772	1.15	ND	ug/L	U



Environmental Quality Services, Inc.

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9/9/2011

Semivolatile Compounds - EPA 8270C

Sample: 1108264-1

Client Sample ID: LMW-4

Collected: 8/17/2011

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/9/2011

Preparation Date(s) : 8/22/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2732-4772	4.20	ND	ug/L	U
92-87-5	Benzidine	C2732-4772	142	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2732-4772	5.15	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2732-4772	4.55	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2732-4772	4.60	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2732-4772	5.25	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2732-4772	5.20	ND	ug/L	U
65-85-0	Benzoic acid	C2732-4772	51.5	ND	ug/L	U
100-51-6	Benzyl alcohol	C2732-4772	2.40	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2732-4772	6.65	ND	ug/L	U
86-74-8	Carbazole	C2732-4772	5.40	ND	ug/L	U
218-01-9	Chrysene	C2732-4772	4.75	ND	ug/L	U
	Cresols	C2732-4772	3.35	7.29	ug/L	J
84-74-2	Di-n-butyl phthalate	C2732-4772	4.85	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2732-4772	5.55	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2732-4772	4.35	ND	ug/L	U
132-64-9	Dibenzofuran	C2732-4772	4.00	ND	ug/L	U
84-66-2	Diethyl phthalate	C2732-4772	5.35	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2732-4772	5.10	ND	ug/L	U
206-44-0	Fluoranthene	C2732-4772	4.30	ND	ug/L	U
86-73-7	Fluorene	C2732-4772	4.55	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2732-4772	3.65	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2732-4772	5.25	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2732-4772	1.90	ND	ug/L	U
67-72-1	Hexachloroethane	C2732-4772	4.95	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2732-4772	4.75	ND	ug/L	U
78-59-1	Isophorone	C2732-4772	3.50	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2732-4772	3.70	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2732-4772	3.65	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2732-4772	5.50	ND	ug/L	U
91-20-3	Naphthalene	C2732-4772	4.35	ND	ug/L	U
98-95-3	Nitrobenzene	C2732-4772	4.55	ND	ug/L	U



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9/9/2011

Semivolatile Compounds - EPA 8270C

Sample: 1108264-1

Client Sample ID: LMW-4

Collected: 8/17/2011

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/9/2011

Preparation Date(s) : 8/22/2011

Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2732-4772	4.05	ND	ug/L	U
85-01-8	Phenanthrene	C2732-4772	4.50	ND	ug/L	U
108-95-2	Phenol	C2732-4772	1.25	ND	ug/L	U
129-00-0	Pyrene	C2732-4772	5.05	ND	ug/L	U
110-86-1	Pyridine	C2732-4772	1.85	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2732-4772	4.75	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2732-4772	2.85	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2732-4772	3.85	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2732-4772	7.20	ND	ug/L	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2732-4772	71.9 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2732-4772	45.4 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	C2732-4772	18.4 %	(21 - 110)	D
4165-60-0	NITROBENZENE-D5	C2732-4772	38.8 %	(35 - 114)	
13127-88-3	PHENOL-D6	C2732-4772	13.2 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	C2732-4772	69.6 %	(33 - 141)	



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9/9/2011

Semivolatiles + 30 - TIC Search

Sample: 1108264-1

Client Sample ID: LMW-4

Collected: 8/17/2011

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/9/2011

Preparation Date(s) : 8/22/2011

Analyte	RT	Result	Units
Unknown Alcohol	4.92	22.3	ug/L
Unknown Alcohol	7.50	22.3	ug/L
Unknown Aromatic	9.39	72.1	ug/L
Unknown Compound	9.51	64.5	ug/L
		Total :	181 ug/L



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9/9/2011

Case Narrative

EPA 8270 Semivolatiles

Initial Calibration:

Average Response was used as the method of quantitation with the exception of the following compounds whose %RSD was >15%. For these compounds, linear regression was used:

2,4-Dinitrophenol



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9/9/2011

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.

Initial Calibration:

Average response factors were used as the method of quantitation for all compounds.

With the exception linear regression was used:

Acetone (0.980)

Tetrahydrofuran (0.962)

The follow compounds have a %RDS greater than 15

Acetone.

tetrahydrofuran.

1,2-Dibromo-3-chorpropane.



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9/9/2011

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 Method Detection Limit (MDL).
- 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:

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

OTHER QUALIFIERS

ND - Not Detected

