Report Date:
15-Feb-06 13:51

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: Rob Maclean

Project: Strassler - 102 West Rd, Alford, MA
Project #: 05143

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA40633-01	INF	Water Treatment	10-Feb-06 10:30	10-Feb-06 13:45
SA40633-02	EFF-1	Water Treatment	10-Feb-06 11:30	10-Feb-06 13:45
SA40633-03	EFF-2	Water Treatment	10-Feb-06 11:00	10-Feb-06 13:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 27 pages of analytical data including Chain of Custody document(s).
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Maine # MA138
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New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

CASE NARRATIVE:

The data set for work order SA40633 complies with internal QC criteria for the methods performed. The samples were received @ 2.0 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits. Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF SA40633-01	05143	Water Treatment	10-Feb-06 10:30	10-Feb-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by methoc	SW846 5030 Water MS										
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 524.2	11-Feb-06	12-Feb-06	6020666	tim
107-13-1	Acrylonitrile	BRL		µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	4.0		µg/l	0.5	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	0.5	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	2.4		µg/l	0.5	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	0.5	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon1	BRL		µg/l	0.5	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	6.5		µg/l	0.5	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	2.5		µg/l	0.5	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	10.6		µg/l	0.5	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	0.5	1	"	"	"	"	"
91-20-3	Naphthalene	70.4		µg/l	0.5	1	"	"	"	"	"
103-65-1	n-Propylbenzene	1.1		µg/l	0.5	1	"	"	"	"	"
100-42-5	Styrene	BRL		µg/l	0.5	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF	05143	Water Treatment	10-Feb-06 10:30	10-Feb-06
SA40633-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by metho	c SW846 5030 Water MS										
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	EPA 524.2	11-Feb-06	12-Feb-06	6020666	tim
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
108-88-3	Toluene	10.8		µg/l	0.5	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 1	BRL		µg/l	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	72.8		µg/l	0.5	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	28.8		µg/l	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	0.5	1	"	"	"	"	"
1330-20-7	m,p-Xylene	44.0		µg/l	0.5	1	"	"	"	"	"
95-47-6	o-Xylene	37.9		µg/l	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	0.9		µg/l	0.5	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*100*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*104*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*109*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges			R-05								
Prepared by metho	c VPH										
	C5-C8 Aliphatic Hydrocarbons	BRL		mg/l	0.150	10	MADEP 5/2004 Rev. 1.1	13-Feb-06	14-Feb-06	6020714	JRO
	C9-C12 Aliphatic Hydrocarbons	0.285		mg/l	0.0500	10	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	0.415		mg/l	0.0500	10	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL		mg/l	0.150	10	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic Hydrocarbons	0.700		mg/l	0.0500	10	"	"	"	"	"
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by metho	c SW846 3510C										
	C9-C18 Aliphatic Hydrocarbons	0.5		mg/l	0.2	1	+MADEP 5/2004 R	13-Feb-06	13-Feb-06	6020716	JD
	C19-C36 Aliphatic Hydrocarbons	0.2		mg/l	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	1.2		mg/l	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic Hydrocarbons	1.3		mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	1.9		mg/l	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum Hydrocarbons	2.0		mg/l	0.2	1	"	"	"	"	"
TPH 8100 by GC											
Prepared by metho	c SW846 3535										
8006-61-9	Gasoline	Calculated as		mg/l	0.2	1	+SW846 8100Mod.	13-Feb-06	14-Feb-06	6020694	KG

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF SA40633-01	05143	Water Treatment	10-Feb-06 10:30	10-Feb-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by methoc	SW846 3535										
68476-30-2	Fuel Oil #2	Calculated as		mg/l	0.2	1	+SW846 8100Mod.	13-Feb-06	14-Feb-06	6020694	KG
68476-31-3	Fuel Oil #4	BRL		mg/l	0.2	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/l	0.2	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/l	0.2	1	"	"	"	"	"
8032-32-4	Ligroin	BRL		mg/l	0.2	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/l	0.2	1	"	"	"	"	"
	Unidentified	2.0		mg/l	0.2	1	"	"	"	"	"
	Other Oil	BRL		mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	2.0		mg/l	0.2	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*62.2*		*40-140 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatiles by EPA 525.2											
Prepared by methoc	SW846 3535										
78-59-1	Isophorone	BRL		µg/l	0.200	1	EPA 525.2	11-Feb-06	14-Feb-06	6020659	M.B
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	0.200	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	0.200	1	"	"	"	"	"
2051-60-7	2-Chlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
86-73-7	Fluorene	2.94		µg/l	0.200	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
16605-91-7	2,3-Dichlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/l	0.200	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/l	0.200	1	"	"	"	"	"
85-01-8	Phenanthrene	3.31		µg/l	0.200	1	"	"	"	"	"
120-12-7	Anthracene	0.589		µg/l	0.200	1	"	"	"	"	"
15862-07-4	2,4,5-Trichlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
2437-79-8	2,2´,4,4´-Tetrachlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
60233-25-2	2,2´,3´,4,6-Pentachlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
129-00-0	Pyrene	0.326		µg/l	0.200	1	"	"	"	"	"
60145-22-4	2,2´,4,4´,5,6´-Hexachlorobipheny	BRL		µg/l	0.200	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
103-23-1	Di(2-ethylhexyl)adipate	BRL		µg/l	0.200	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/l	0.200	1	"	"	"	"	"
52663-71-5	2,2´,3,3´,4,4´,6-Heptachlorobiphe	BRL		µg/l	0.200	1	"	"	"	"	"
40186-71-8	2,2´,3,3´,4,5´,6,6´-Octachlorobiph yl	BRL		µg/l	0.200	1	"	"	"	"	"
117-81-7	Di(2-ethylhexyl)phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.200	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.200	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	0.200	1	"	"	"	"	"
83-32-9	Acenaphthene	3.37		µg/l	0.500	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	58.0		µg/l	0.500	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/l	0.500	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INF SA40633-01	05143	Water Treatment	10-Feb-06 10:30	10-Feb-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatiles by EPA 525.2											
Prepared by methoc	SW846 3535										
91-57-6	2-Methylnaphthalene	71.8		µg/l	0.500	1	EPA 525.2	11-Feb-06	14-Feb-06	6020659	M.B
91-20-3	Naphthalene	45.5		µg/l	0.500	1	"	"	"	"	"
Surrogate recoveries:											
1718-51-0	*Terphenyl-dl4*	*104*		*30-130 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*46.0*		*30-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF-1	05143	Water Treatment	10-Feb-06 11:30	10-Feb-06
SA40633-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by methoc	SW846 5030 Water MS										
67-64-1	Acetone	10.1		µg/l	10.0	1	EPA 524.2	11-Feb-06	12-Feb-06	6020666	tim
107-13-1	Acrylonitrile	BRL		µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	0.5	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	0.5	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon1	BRL		µg/l	0.5	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	0.6		µg/l	0.5	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	0.5	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
100-42-5	Styrene	BRL		µg/l	0.5	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF-1	05143	Water Treatment	10-Feb-06 11:30	10-Feb-06
SA40633-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by methoc	SW846 5030 Water MS										
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	EPA 524.2	11-Feb-06	12-Feb-06	6020666	tim
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	0.5	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 1	BRL		µg/l	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	0.5	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*91.4*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*94.0*		*70-130 %*			"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges											
Prepared by methoc	VPH										
	C5-C8 Aliphatic Hydrocarbons	BRL		mg/l	0.0750	1	MADEP 5/2004 Rev. 1.1	13-Feb-06	14-Feb-06	6020714	JRO
	C9-C12 Aliphatic Hydrocarbons	BRL		mg/l	0.0250	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	0.0250		mg/l	0.0250	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL		mg/l	0.0750	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic Hydrocarbons	0.0355		mg/l	0.0250	1	"	"	"	"	"
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by methoc	SW846 3510C										
	C9-C18 Aliphatic Hydrocarbons	BRL		mg/l	0.2	1	+MADEP 5/2004 R	13-Feb-06	13-Feb-06	6020716	JD
	C19-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
TPH 8100 by GC											
Prepared by methoc	SW846 3535										
8006-61-9	Gasoline	BRL		mg/l	0.2	1	+SW846 8100Mod.	13-Feb-06	14-Feb-06	6020694	KG

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF-1 SA40633-02	05143	Water Treatment	10-Feb-06 11:30	10-Feb-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by methoc SW846 3535											
68476-30-2	Fuel Oil #2	BRL		mg/l	0.2	1	+SW846 8100Mod.	13-Feb-06	14-Feb-06	6020694	KG
68476-31-3	Fuel Oil #4	BRL		mg/l	0.2	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/l	0.2	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/l	0.2	1	"	"	"	"	"
8032-32-4	Ligroin	BRL		mg/l	0.2	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/l	0.2	1	"	"	"	"	"
	Unidentified	BRL		mg/l	0.2	1	"	"	"	"	"
	Other Oil	BRL		mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*49.9*		*40-140 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatiles by EPA 525.2											
Prepared by methoc SW846 3535											
78-59-1	Isophorone	BRL		µg/l	0.200	1	EPA 525.2	11-Feb-06	14-Feb-06	6020659	M.B
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	0.200	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	0.200	1	"	"	"	"	"
2051-60-7	2-Chlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/l	0.200	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
16605-91-7	2,3-Dichlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/l	0.200	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/l	0.200	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/l	0.200	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/l	0.200	1	"	"	"	"	"
15862-07-4	2,4,5-Trichlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
2437-79-8	2,2´,4,4´-Tetrachlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
60233-25-2	2,2´,3´,4,6-Pentachlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/l	0.200	1	"	"	"	"	"
60145-22-4	2,2´,4,4´,5,6´-Hexachlorobipheny	BRL		µg/l	0.200	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
103-23-1	Di(2-ethylhexyl)adipate	BRL		µg/l	0.200	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/l	0.200	1	"	"	"	"	"
52663-71-5	2,2´,3,3´,4,4´,6-Heptachlorobiphe	BRL		µg/l	0.200	1	"	"	"	"	"
40186-71-8	2,2´,3,3´,4,5´,6,6´-Octachlorobiph yl	BRL		µg/l	0.200	1	"	"	"	"	"
117-81-7	Di(2-ethylhexyl)phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.200	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.200	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	0.200	1	"	"	"	"	"
83-32-9	Acenaphthene	BRL		µg/l	0.500	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/l	0.500	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/l	0.500	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF-1 SA40633-02	05143	Water Treatment	10-Feb-06 11:30	10-Feb-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatiles by EPA 525.2											
Prepared by methoc SW846 3535											
91-57-6	2-Methylnaphthalene	BRL		µg/l	0.500	1	EPA 525.2	11-Feb-06	14-Feb-06	6020659	M.B
91-20-3	Naphthalene	BRL		µg/l	0.500	1	"	"	"	"	"
Surrogate recoveries:											
1718-51-0	*Terphenyl-dl4*	*90.0*		*30-130 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*56.0*		*30-130 %*			"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF-2	05143	Water Treatment	10-Feb-06 11:00	10-Feb-06
SA40633-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by methoc	SW846 5030 Water MS										
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 524.2	11-Feb-06	12-Feb-06	6020666	tim
107-13-1	Acrylonitrile	BRL		µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	0.5	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	0.6		µg/l	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	0.5	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon1	BRL		µg/l	0.5	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	0.7		µg/l	0.5	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	0.5	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
100-42-5	Styrene	BRL		µg/l	0.5	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF-2	05143	Water Treatment	10-Feb-06 11:00	10-Feb-06
SA40633-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by methoc	SW846 5030 Water MS										
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	EPA 524.2	11-Feb-06	12-Feb-06	6020666	tim
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	0.5	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 1	BRL		µg/l	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	0.5	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*87.8*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*99.4*		*70-130 %*			"	"	"	"	"
VPH Aliphatic/Aromatic Carbon Ranges											
Prepared by methoc	VPH										
	C5-C8 Aliphatic Hydrocarbons	BRL		mg/l	0.0750	1	MADEP 5/2004 Rev. 1.1	13-Feb-06	14-Feb-06	6020714	JRO
	C9-C12 Aliphatic Hydrocarbons	BRL		mg/l	0.0250	1	"	"	"	"	"
	C9-C10 Aromatic Hydrocarbons	BRL		mg/l	0.0250	1	"	"	"	"	"
	Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL		mg/l	0.0750	1	"	"	"	"	"
	Unadjusted C9-C12 Aliphatic Hydrocarbons	0.0318		mg/l	0.0250	1	"	"	"	"	"
Extractable Petroleum Hydrocarbons											
EPH Aliphatic/Aromatic Ranges											
Prepared by methoc	SW846 3510C										
	C9-C18 Aliphatic Hydrocarbons	BRL		mg/l	0.2	1	+MADEP 5/2004 R	13-Feb-06	13-Feb-06	6020716	JD
	C19-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
	C11-C22 Aromatic Hydrocarbons	0.4		mg/l	0.2	1	"	"	"	"	"
	Unadjusted C11-C22 Aromatic Hydrocarbons	0.4		mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	0.4		mg/l	0.2	1	"	"	"	"	"
	Unadjusted Total Petroleum Hydrocarbons	0.4		mg/l	0.2	1	"	"	"	"	"
TPH 8100 by GC											
Prepared by methoc	SW846 3535										
8006-61-9	Gasoline	BRL		mg/l	0.2	1	+SW846 8100Mod.	13-Feb-06	14-Feb-06	6020694	KG

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF-2	05143	Water Treatment	10-Feb-06 11:00	10-Feb-06
SA40633-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by metho	SW846 3535										
68476-30-2	Fuel Oil #2	BRL		mg/l	0.2	1	+SW846 8100Mod.	13-Feb-06	14-Feb-06	6020694	KG
68476-31-3	Fuel Oil #4	BRL		mg/l	0.2	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/l	0.2	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/l	0.2	1	"	"	"	"	"
8032-32-4	Ligroin	BRL		mg/l	0.2	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/l	0.2	1	"	"	"	"	"
	Unidentified	0.4		mg/l	0.2	1	"	"	"	"	"
	Other Oil	Calculated as		mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	0.4		mg/l	0.2	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*51.1*		*40-140 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatiles by EPA 525.2											
Prepared by metho	SW846 3535										
78-59-1	Isophorone	BRL		µg/l	0.200	1	EPA 525.2	11-Feb-06	14-Feb-06	6020659	MB
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	0.200	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
208-96-8	Acenaphthylene	BRL		µg/l	0.200	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	0.200	1	"	"	"	"	"
2051-60-7	2-Chlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/l	0.200	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
16605-91-7	2,3-Dichlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/l	0.200	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/l	0.200	1	"	"	"	"	"
85-01-8	Phenanthrene	0.595		µg/l	0.200	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/l	0.200	1	"	"	"	"	"
15862-07-4	2,4,5-Trichlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
2437-79-8	2,2´,4,4´-Tetrachlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
60233-25-2	2,2´,3´,4,6-Pentachlorobiphenyl	BRL		µg/l	0.200	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/l	0.200	1	"	"	"	"	"
60145-22-4	2,2´,4,4´,5,6´-Hexachlorobipheny	BRL		µg/l	0.200	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
103-23-1	Di(2-ethylhexyl)adipate	BRL		µg/l	0.200	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/l	0.200	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/l	0.200	1	"	"	"	"	"
52663-71-5	2,2´,3,3´,4,4´,6-Heptachlorobiphe	BRL		µg/l	0.200	1	"	"	"	"	"
40186-71-8	2,2´,3,3´,4,5´,6,6´-Octachlorobiph yl	BRL		µg/l	0.200	1	"	"	"	"	"
117-81-7	Di(2-ethylhexyl)phthalate	BRL		µg/l	0.200	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	0.200	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/l	0.200	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.200	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	0.200	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	0.200	1	"	"	"	"	"
83-32-9	Acenaphthene	0.508		µg/l	0.500	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	9.89		µg/l	0.500	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/l	0.500	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EFF-2 SA40633-03	05143	Water Treatment	10-Feb-06 11:00	10-Feb-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatiles by EPA 525.2											
Prepared by methoc SW846 3535											
91-57-6	2-Methylnaphthalene	6.68		µg/l	0.500	1	EPA 525.2	11-Feb-06	14-Feb-06	6020659	MB
91-20-3	Naphthalene	BRL		µg/l	0.500	1	"	"	"	"	"
Surrogate recoveries:											
1718-51-0	*Terphenyl-dl4*	*89.8*		*30-130 %*			"	"	"	"	"
321-60-8	*2-Fluorobiphenyl*	*56.0*		*30-130 %*			"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6020666 - SW846 5030 Water MS										
Blank (6020666-BLK1)										
Prepared & Analyzed: 11-Feb-06										
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	1.0						
Benzene	BRL		µg/l	0.5						
Bromobenzene	BRL		µg/l	0.5						
Bromochloromethane	BRL		µg/l	0.5						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	0.5						
Bromomethane	BRL		µg/l	0.5						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	0.5						
sec-Butylbenzene	BRL		µg/l	0.5						
tert-Butylbenzene	BRL		µg/l	0.5						
Carbon disulfide	BRL		µg/l	0.5						
Carbon tetrachloride	BRL		µg/l	0.5						
Chlorobenzene	BRL		µg/l	0.5						
Chloroethane	BRL		µg/l	0.5						
Chloroform	BRL		µg/l	0.5						
Chloromethane	BRL		µg/l	0.5						
2-Chlorotoluene	BRL		µg/l	0.5						
4-Chlorotoluene	BRL		µg/l	0.5						
1,2-Dibromo-3-chloropropane	BRL		µg/l	0.5						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	0.5						
1,2-Dichlorobenzene	BRL		µg/l	0.5						
1,3-Dichlorobenzene	BRL		µg/l	0.5						
1,4-Dichlorobenzene	BRL		µg/l	0.5						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	0.5						
1,1-Dichloroethane	BRL		µg/l	0.5						
1,2-Dichloroethane	BRL		µg/l	0.5						
1,1-Dichloroethene	BRL		µg/l	0.5						
cis-1,2-Dichloroethene	BRL		µg/l	0.5						
trans-1,2-Dichloroethene	BRL		µg/l	0.5						
1,2-Dichloropropane	BRL		µg/l	0.5						
1,3-Dichloropropane	BRL		µg/l	0.5						
2,2-Dichloropropane	BRL		µg/l	0.5						
1,1-Dichloropropene	BRL		µg/l	0.5						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	0.5						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	0.5						
4-Isopropyltoluene	BRL		µg/l	0.5						
Methyl tert-butyl ether	BRL		µg/l	0.5						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	0.5						
Naphthalene	BRL		µg/l	0.5						
n-Propylbenzene	BRL		µg/l	0.5						
Styrene	BRL		µg/l	0.5						
1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	0.5						
Toluene	BRL		µg/l	0.5						
1,2,3-Trichlorobenzene	BRL		µg/l	0.5						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6020666 - SW846 5030 Water MS										
Blank (6020666-BLK1)										
Prepared & Analyzed: 11-Feb-06										
1,2,4-Trichlorobenzene	BRL		µg/l	0.5						
1,1,1-Trichloroethane	BRL		µg/l	0.5						
1,1,2-Trichloroethane	BRL		µg/l	0.5						
Trichloroethene	BRL		µg/l	0.5						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	0.5						
1,2,3-Trichloropropane	BRL		µg/l	0.5						
1,2,4-Trimethylbenzene	BRL		µg/l	0.5						
1,3,5-Trimethylbenzene	BRL		µg/l	0.5						
Vinyl chloride	BRL		µg/l	0.5						
m,p-Xylene	BRL		µg/l	0.5						
o-Xylene	BRL		µg/l	0.5						
Tetrahydrofuran	BRL		µg/l	10.0						
Tert-amyl methyl ether	BRL		µg/l	0.5						
Ethyl tert-butyl ether	BRL		µg/l	0.5						
Di-isopropyl ether	BRL		µg/l	0.5						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
Surrogate: 4-Bromofluorobenzene	*44.5*		µg/l		*50.0*		*89.0*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*47.7*		µg/l		*50.0*		*95.4*	*70-130*		
LCS (6020666-BS1)										
Prepared & Analyzed: 11-Feb-06										
Acetone	16.0		µg/l		20.0		80.0	70-130		
Acrylonitrile	17.9		µg/l		20.0		89.5	70-130		
Benzene	20.7		µg/l		20.0		104	80-120		
Bromobenzene	17.7		µg/l		20.0		88.5	80-120		
Bromochloromethane	18.0		µg/l		20.0		90.0	80-120		
Bromodichloromethane	18.9		µg/l		20.0		94.5	80-120		
Bromoform	14.1	QC-2	µg/l		20.0		70.5	80-120		
Bromomethane	21.5		µg/l		20.0		108	80-120		
2-Butanone (MEK)	18.6		µg/l		20.0		93.0	70-130		
n-Butylbenzene	20.1		µg/l		20.0		100	80-120		
sec-Butylbenzene	23.2		µg/l		20.0		116	80-120		
tert-Butylbenzene	22.4		µg/l		20.0		112	80-120		
Carbon disulfide	17.8		µg/l		20.0		89.0	70-130		
Carbon tetrachloride	18.1		µg/l		20.0		90.5	80-120		
Chlorobenzene	17.6		µg/l		20.0		88.0	80-120		
Chloroethane	18.3		µg/l		20.0		91.5	80-120		
Chloroform	18.8		µg/l		20.0		94.0	80-120		
Chloromethane	19.6		µg/l		20.0		98.0	80-120		
2-Chlorotoluene	19.2		µg/l		20.0		96.0	80-120		
4-Chlorotoluene	23.0		µg/l		20.0		115	80-120		
1,2-Dibromo-3-chloropropane	17.2		µg/l		20.0		86.0	80-120		
Dibromochloromethane	18.6		µg/l		20.0		93.0	80-120		
1,2-Dibromoethane (EDB)	19.2		µg/l		20.0		96.0	80-120		
Dibromomethane	18.6		µg/l		20.0		93.0	80-120		
1,2-Dichlorobenzene	22.2		µg/l		20.0		111	80-120		
1,3-Dichlorobenzene	20.1		µg/l		20.0		100	80-120		
1,4-Dichlorobenzene	20.5		µg/l		20.0		102	80-120		
Dichlorodifluoromethane (Freon12)	19.6		µg/l		20.0		98.0	80-120		
1,1-Dichloroethane	19.4		µg/l		20.0		97.0	80-120		
1,2-Dichloroethane	18.0		µg/l		20.0		90.0	80-120		
1,1-Dichloroethene	18.0		µg/l		20.0		90.0	80-120		
cis-1,2-Dichloroethene	18.2		µg/l		20.0		91.0	80-120		
trans-1,2-Dichloroethene	18.2		µg/l		20.0		91.0	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6020666 - SW846 5030 Water MS										
LCS (6020666-BS1)										
Prepared & Analyzed: 11-Feb-06										
1,2-Dichloropropane	20.1		µg/l		20.0		100	80-120		
1,3-Dichloropropane	18.0		µg/l		20.0		90.0	80-120		
2,2-Dichloropropane	16.5		µg/l		20.0		82.5	80-120		
1,1-Dichloropropene	19.7		µg/l		20.0		98.5	80-120		
cis-1,3-Dichloropropene	18.1		µg/l		20.0		90.5	80-120		
trans-1,3-Dichloropropene	17.3		µg/l		20.0		86.5	80-120		
Ethylbenzene	22.0		µg/l		20.0		110	80-120		
Hexachlorobutadiene	19.0		µg/l		20.0		95.0	80-120		
2-Hexanone (MBK)	16.9		µg/l		20.0		84.5	70-130		
Isopropylbenzene	20.7		µg/l		20.0		104	80-120		
4-Isopropyltoluene	28.9	QC-2	µg/l		20.0		144	80-120		
Methyl tert-butyl ether	20.2		µg/l		20.0		101	80-120		
4-Methyl-2-pentanone (MIBK)	17.2		µg/l		20.0		86.0	70-130		
Methylene chloride	18.1		µg/l		20.0		90.5	80-120		
Naphthalene	23.0		µg/l		20.0		115	80-120		
n-Propylbenzene	20.8		µg/l		20.0		104	80-120		
Styrene	19.8		µg/l		20.0		99.0	80-120		
1,1,1,2-Tetrachloroethane	18.5		µg/l		20.0		92.5	80-120		
1,1,2,2-Tetrachloroethane	16.3		µg/l		20.0		81.5	80-120		
Tetrachloroethene	19.2		µg/l		20.0		96.0	80-120		
Toluene	20.4		µg/l		20.0		102	80-120		
1,2,3-Trichlorobenzene	17.2		µg/l		20.0		86.0	80-120		
1,2,4-Trichlorobenzene	18.6		µg/l		20.0		93.0	80-120		
1,1,1-Trichloroethane	19.2		µg/l		20.0		96.0	80-120		
1,1,2-Trichloroethane	19.2		µg/l		20.0		96.0	80-120		
Trichloroethene	18.2		µg/l		20.0		91.0	80-120		
Trichlorofluoromethane (Freon 11)	18.6		µg/l		20.0		93.0	80-120		
1,2,3-Trichloropropane	17.6		µg/l		20.0		88.0	80-120		
1,2,4-Trimethylbenzene	20.6		µg/l		20.0		103	80-120		
1,3,5-Trimethylbenzene	19.5		µg/l		20.0		97.5	80-120		
Vinyl chloride	18.2		µg/l		20.0		91.0	80-120		
m,p-Xylene	41.6		µg/l		40.0		104	80-120		
o-Xylene	19.6		µg/l		20.0		98.0	80-120		
Tetrahydrofuran	17.7		µg/l		20.0		88.5	70-130		
Tert-amyl methyl ether	17.9		µg/l		20.0		89.5	70-130		
Ethyl tert-butyl ether	20.2		µg/l		20.0		101	70-130		
Di-isopropyl ether	19.8		µg/l		20.0		99.0	70-130		
Tert-Butanol / butyl alcohol	192		µg/l		200		96.0	70-130		
Surrogate: 4-Bromofluorobenzene	*45.4*		µg/l		*0.00*			*70-130*		
Surrogate: Toluene-d8	*50.4*		µg/l		*0.00*			*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.1*		µg/l		*0.00*			*70-130*		
Surrogate: Dibromofluoromethane	*47.0*		µg/l		*0.00*			*70-130*		
Matrix Spike (6020666-MS1) **Source: SA40607-01**										
Prepared & Analyzed: 11-Feb-06										
Benzene	19.8		µg/l		20.0	BRL	99.0	80-120		
Chlorobenzene	21.0		µg/l		20.0	BRL	105	80-120		
1,1-Dichloroethene	17.7		µg/l		20.0	BRL	88.5	80-120		
Toluene	20.8		µg/l		20.0	BRL	104	80-120		
Trichloroethene	18.4		µg/l		20.0	0.890	87.6	80-120		
Surrogate: 4-Bromofluorobenzene	*44.9*		µg/l		*50.0*		*89.8*	*70-130*		
Surrogate: Toluene-d8	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.5*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*48.0*		µg/l		*50.0*		*96.0*	*70-130*		
Matrix Spike Dup (6020666-MSD1) **Source: SA40607-01**										

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6020666 - SW846 5030 Water MS										
Prepared & Analyzed: 11-Feb-06										
Benzene	20.2		µg/l		20.0	BRL	101	80-120	2.00	20
Chlorobenzene	21.1		µg/l		20.0	BRL	106	80-120	0.948	20
1,1-Dichloroethene	18.0		µg/l		20.0	BRL	90.0	80-120	1.68	20
Toluene	21.0		µg/l		20.0	BRL	105	80-120	0.957	20
Trichloroethene	18.6		µg/l		20.0	0.890	88.6	80-120	1.14	20
Surrogate: 4-Bromofluorobenzene	*43.4*		µg/l		*50.0*		*86.8*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*48.7*		µg/l		*50.0*		*97.4*	*70-130*		
Batch 6020714 - VPH										
Blank (6020714-BLK1)										
Prepared & Analyzed: 13-Feb-06										
C5-C8 Aliphatic Hydrocarbons	BRL		mg/l	0.0750						
C9-C12 Aliphatic Hydrocarbons	BRL		mg/l	0.0250						
C9-C10 Aromatic Hydrocarbons	BRL		mg/l	0.0250						
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL		mg/l	0.0750						
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL		mg/l	0.0250						
LCS (6020714-BS1)										
Prepared: 13-Feb-06 Analyzed: 14-Feb-06										
C5-C8 Aliphatic Hydrocarbons	103		mg/l		140		73.6	70-130		
C9-C12 Aliphatic Hydrocarbons	60.0		mg/l		55.0		109	70-130		
C9-C10 Aromatic Hydrocarbons	40.3		mg/l		40.0		101	70-130		
Unadjusted C5-C8 Aliphatic Hydrocarbons	220		mg/l		280		78.6	70-130		
Unadjusted C9-C12 Aliphatic Hydrocarbons	100		mg/l		85.0		118	70-130		
LCS Dup (6020714-BSD1)										
Prepared & Analyzed: 13-Feb-06										
C5-C8 Aliphatic Hydrocarbons	114		mg/l		140		81.4	70-130	10.1	25
C9-C12 Aliphatic Hydrocarbons	60.1		mg/l		55.0		109	70-130	0.00	25
C9-C10 Aromatic Hydrocarbons	40.7		mg/l		40.0		102	70-130	0.985	25
Unadjusted C5-C8 Aliphatic Hydrocarbons	220		mg/l		280		78.6	70-130	0.00	25
Unadjusted C9-C12 Aliphatic Hydrocarbons	101		mg/l		85.0		119	70-130	0.844	25
Duplicate (6020714-DUP1) **Source: SA40284-01**										
Prepared: 13-Feb-06 Analyzed: 14-Feb-06										
C5-C8 Aliphatic Hydrocarbons	BRL		mg/l	0.0750		BRL				50
C9-C12 Aliphatic Hydrocarbons	BRL		mg/l	0.0250		BRL				50
C9-C10 Aromatic Hydrocarbons	BRL		mg/l	0.0250		BRL				50
Unadjusted C5-C8 Aliphatic Hydrocarbons	BRL		mg/l	0.0750		BRL				50
Unadjusted C9-C12 Aliphatic Hydrocarbons	BRL		mg/l	0.0250		BRL				50

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6020694 - SW846 3535										
Blank (6020694-BLK1)										
Prepared: 13-Feb-06 Analyzed: 15-Feb-06										
Gasoline	BRL		mg/l	0.1						
Fuel Oil #2	BRL		mg/l	0.1						
Fuel Oil #4	BRL		mg/l	0.1						
Fuel Oil #6	BRL		mg/l	0.1						
Motor Oil	BRL		mg/l	0.1						
Ligroin	BRL		mg/l	0.1						
Aviation Fuel	BRL		mg/l	0.1						
Unidentified	BRL		mg/l	0.1						
Other Oil	BRL		mg/l	0.1						
Total Petroleum Hydrocarbons	BRL		mg/l	0.1						
Surrogate: 1-Chlorooctadecane	*0.0282*		mg/l		*0.0500*		*56.4*	*40-140*		
LCS (6020694-BS1)										
Prepared: 13-Feb-06 Analyzed: 15-Feb-06										
Fuel Oil #2	6.9		mg/l	0.1	10.0		69.0	40-140		
Surrogate: 1-Chlorooctadecane	*0.0212*		mg/l		*0.0500*		*42.4*	*40-140*		
Batch 6020716 - SW846 3510C										
Blank (6020716-BLK1)										
Prepared: 13-Feb-06 Analyzed: 14-Feb-06										
C9-C18 Aliphatic Hydrocarbons	BRL		mg/l	0.2						
C19-C36 Aliphatic Hydrocarbons	BRL		mg/l	0.2						
C11-C22 Aromatic Hydrocarbons	BRL		mg/l	0.2						
Unadjusted C11-C22 Aromatic Hydrocarbon	BRL		mg/l	0.2						
LCS (6020716-BS1)										
Prepared: 13-Feb-06 Analyzed: 14-Feb-06										
C9-C18 Aliphatic Hydrocarbons	0.308		mg/l	0.2	0.600		51.3	40-140		
C19-C36 Aliphatic Hydrocarbons	0.578		mg/l	0.2	0.800		72.2	40-140		
C11-C22 Aromatic Hydrocarbons	1.19		mg/l	0.2	1.70		70.0	40-140		
Fractionation Check Standard (602										
Prepared: 13-Feb-06 Analyzed: 14-Feb-06										
C9-C18 Aliphatic Hydrocarbons	0.380		mg/l	0.2	0.600		63.3	40-140		
C19-C36 Aliphatic Hydrocarbons	0.555		mg/l	0.2	0.800		69.4	40-140		
C11-C22 Aromatic Hydrocarbons	1.25		mg/l	0.2	1.70		73.5	40-140		
LCS Dup (6020716-BSD1)										
Prepared: 13-Feb-06 Analyzed: 14-Feb-06										
C9-C18 Aliphatic Hydrocarbons	0.313		mg/l	0.2	0.600		52.2	40-140	1.74	25
C19-C36 Aliphatic Hydrocarbons	0.403	QR-02	mg/l	0.2	0.800		50.4	40-140	35.6	25
C11-C22 Aromatic Hydrocarbons	1.07		mg/l	0.2	1.70		62.9	40-140	10.7	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6020659 - SW846 3535										
Blank (6020659-BLK1)										
Prepared: 11-Feb-06 Analyzed: 13-Feb-06										
Isophorone	BRL		µg/l	0.200						
Hexachlorocyclopentadiene	BRL		µg/l	0.200						
Dimethyl phthalate	BRL		µg/l	0.200						
Acenaphthylene	BRL		µg/l	0.200						
2,6-Dinitrotoluene	BRL		µg/l	0.200						
2-Chlorobiphenyl	BRL		µg/l	0.200						
Fluorene	BRL		µg/l	0.200						
Diethyl phthalate	BRL		µg/l	0.200						
2,3-Dichlorobiphenyl	BRL		µg/l	0.200						
Hexachlorobenzene	BRL		µg/l	0.200						
Pentachlorophenol	BRL		µg/l	0.200						
Phenanthrene	BRL		µg/l	0.200						
Anthracene	BRL		µg/l	0.200						
2,4,5-Trichlorobiphenyl	BRL		µg/l	0.200						
Di-n-butyl phthalate	BRL		µg/l	0.200						
2,2´,4,4´-Tetrachlorobiphenyl	BRL		µg/l	0.200						
2,2´,3´,4,6-Pentachlorobiphenyl	BRL		µg/l	0.200						
Pyrene	BRL		µg/l	0.200						
2,2´,4,4´,5,6´-Hexachlorobiphenyl	BRL		µg/l	0.200						
Butyl benzyl phthalate	BRL		µg/l	0.200						
Di(2-ethylhexyl)adipate	BRL		µg/l	0.200						
Benzo (a) anthracene	BRL		µg/l	0.200						
Chrysene	BRL		µg/l	0.200						
2,2´,3,3´,4,4´,6-Heptachlorobiphenyl	BRL		µg/l	0.200						
2,2´,3,3´,4,5´,6,6´-Octachlorobiphenyl	BRL		µg/l	0.200						
Di(2-ethylhexyl)phthalate	BRL		µg/l	0.200						
Benzo (b) fluoranthene	BRL		µg/l	0.200						
Benzo (k) fluoranthene	BRL		µg/l	0.200						
Benzo (a) pyrene	BRL		µg/l	0.200						
Indeno (1,2,3-cd) pyrene	BRL		µg/l	0.200						
Dibenzo (a,h) anthracene	BRL		µg/l	0.200						
Benzo (g,h,i) perylene	BRL		µg/l	0.200						
Acenaphthene	BRL		µg/l	0.500						
1-Methylnaphthalene	BRL		µg/l	0.500						
Fluoranthene	BRL		µg/l	0.500						
2-Methylnaphthalene	BRL		µg/l	0.500						
Naphthalene	BRL		µg/l	0.500						
Surrogate: Terphenyl-dl4	*0.560*		µg/l		*0.500*		*112*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*0.290*		µg/l		*0.500*		*58.0*	*30-130*		
LCS (6020659-BS1)										
Prepared: 11-Feb-06 Analyzed: 14-Feb-06										
Isophorone	1.62		µg/l	0.200	2.00		81.0	40-140		
Hexachlorocyclopentadiene	1.46		µg/l	0.200	2.00		73.0	40-140		
Dimethyl phthalate	1.58		µg/l	0.200	2.00		79.0	40-140		
Acenaphthylene	1.52		µg/l	0.200	2.00		76.0	40-140		
2,6-Dinitrotoluene	1.50		µg/l	0.200	2.00		75.0	40-140		
2-Chlorobiphenyl	1.43		µg/l	0.200	2.00		71.5	40-140		
Fluorene	1.53		µg/l	0.200	2.00		76.5	40-140		
Diethyl phthalate	1.59		µg/l	0.200	2.00		79.5	40-140		
2,3-Dichlorobiphenyl	1.52		µg/l	0.200	2.00		76.0	40-140		
Hexachlorobenzene	1.59		µg/l	0.200	2.00		79.5	40-140		
Pentachlorophenol	0.860		µg/l	0.200	2.00		43.0	30-130		
Phenanthrene	1.49		µg/l	0.200	2.00		74.5	40-140		
Anthracene	1.53		µg/l	0.200	2.00		76.5	40-140		
2,4,5-Trichlorobiphenyl	1.52		µg/l	0.200	2.00		76.0	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6020659 - SW846 3535										
LCS (6020659-BS1)										
Prepared: 11-Feb-06 Analyzed: 14-Feb-06										
Di-n-butyl phthalate	2.63		µg/l	0.200	2.00		132	40-140		
2,2´,4,4´-Tetrachlorobiphenyl	1.55		µg/l	0.200	2.00		77.5	40-140		
2,2´,3´,4,6-Pentachlorobiphenyl	1.60		µg/l	0.200	2.00		80.0	40-140		
Pyrene	1.86		µg/l	0.200	2.00		93.0	40-140		
2,2´,4,4´,5,6´-Hexachlorobiphenyl	1.69		µg/l	0.200	2.00		84.5	40-140		
Butyl benzyl phthalate	2.45		µg/l	0.200	2.00		122	40-140		
Di(2-ethylhexyl)adipate	1.78		µg/l	0.200	2.00		89.0	40-140		
Benzo (a) anthracene	1.62		µg/l	0.200	2.00		81.0	40-140		
Chrysene	1.43		µg/l	0.200	2.00		71.5	40-140		
2,2´,3,3´,4,4´,6-Heptachlorobiphenyl	1.70		µg/l	0.200	2.00		85.0	40-140		
2,2´,3,3´,4,5´,6,6´-Octachlorobiphenyl	1.56		µg/l	0.200	2.00		78.0	40-140		
Di(2-ethylhexyl)phthalate	2.36		µg/l	0.200	2.00		118	40-140		
Benzo (b) fluoranthene	1.74		µg/l	0.200	2.00		87.0	40-140		
Benzo (k) fluoranthene	1.64		µg/l	0.200	2.00		82.0	40-140		
Benzo (a) pyrene	1.75		µg/l	0.200	2.00		87.5	40-140		
Indeno (1,2,3-cd) pyrene	1.55		µg/l	0.200	2.00		77.5	40-140		
Dibenzo (a,h) anthracene	1.58		µg/l	0.200	2.00		79.0	40-140		
Benzo (g,h,i) perylene	1.51		µg/l	0.200	2.00		75.5	40-140		
Acenaphthene	2.06		µg/l	0.500	2.00		103	40-140		
1-Methylnaphthalene	2.19		µg/l	0.500	2.00		110	40-140		
Fluoranthene	2.18		µg/l	0.500	2.00		109	40-140		
2-Methylnaphthalene	2.26		µg/l	0.500	2.00		113	40-140		
Naphthalene	2.61		µg/l	0.500	2.00		130	40-140		
Surrogate: Terphenyl-dl4	*0.434*	*S-GC*	µg/l		*2.00*		*21.7*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*2.59*		µg/l		*2.00*		*130*	*30-130*		
Matrix Spike (6020659-MS1) **Source: SA40495-01**										
Prepared: 11-Feb-06 Analyzed: 14-Feb-06										
Pentachlorophenol	0.370	QC-1	µg/l	0.200	2.00	BRL	18.5	30-130		
Pyrene	1.95		µg/l	0.200	2.00	BRL	97.5	40-140		
Acenaphthene	2.06		µg/l	0.500	2.00	BRL	103	40-140		
Surrogate: Terphenyl-dl4	*4.58*	*S-GC*	µg/l		*2.00*		*229*	*30-130*		
Surrogate: 2-Fluorobiphenyl	*2.45*		µg/l		*2.00*		*122*	*30-130*		

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0602107				
Calibration Check (0602107-CCV1)				
C9-C18 Aliphatic Hydrocarbons	2.20556E+08	2.07438E+08	-5.95	25.00
C19-C36 Aliphatic Hydrocarbons	1.59923E+08	1.38442E+08	-7.50	25.00
C11-C22 Aromatic Hydrocarbons	22031.2	18.102	16.5	25.00

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte	Average RF	CCRF	% D	Limit
Batch 0602112				
Calibration Check (0602112-CCV1)				
C9-C18 Aliphatic Hydrocarbons	1.85703E+08	1.72509E+08	-7.10	25.00
C19-C36 Aliphatic Hydrocarbons	1.50866E+08	1.33724E+08	-11.4	25.00
C11-C22 Aromatic Hydrocarbons	19445.3	13.6026	-4.71	25.00

Notes and Definitions

*TPH	Calculated as
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

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

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

The following outlines the condition of all VPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous ☐ Soil ☐ Sediment ☐ Other		
Containers	☐ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous (acid-preserved)	☐ N/A ☐ pH≤2 ☐ pH>2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples not received in Methanol or air-tight container	ml Methanol/g soil ☐ 1:1 +/-25% ☐ Other:
		☐ Samples received in Methanol: ☐ covering soil/sediment ☐ not covering soil/sediment	
		☐ Samples received in air-tight container:	
Temperature	☐ Received on ice ☐ Received at 4 ± 2 ºC ☐ Other: ºC		

Were all QA/QC procedures followed as required by the VPH method? Yes_____ No _____
Were any significant modifications made to the VPH method as specified in section 11.3? No *see below
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____
* Yes, if PID and FID surrogate recoveries are listed as n/a, then that sample was run via GCMS using all QC criteria specified in the method

The following outlines the condition of all EPH samples contained within this report upon laboratory receipt.

Matrix	☐ Aqueous	☐ Soil	☐ Sediment	☐ Other	
Containers	☐ Satisfactory	☐ Broken	☐ Leaking		
Aqueous Preservative	☐ N/A	☐ pH≤2	☐ pH>2	☐ pH adjusted to <2 in lab	Comment:
Temperature	☐ Received on ice	☐ Received at 4 ± 2 ºC	☐ Other:	ºC	

Were all QA/QC procedures followed as required by the EPH method? Yes_____ No _____
Were any significant modifications made to the EPH method as specified in Section 11.3? No
Were all performance/acceptance standards for required QA/QC procedures achieved? Yes_____ No_____

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

MADEP RTN [1]:					
This form provides certifications for the following Spectrum Analytical, Inc. work order #: SA40633					
Matrix	☐ Groundwater	☐ Soil/Sediment	☐ Drinking Water	☐ Other	
MCP SW-846 Methods Used	☐ 8260B	☐ 8151A	☐ 8330	☐ 6010B	☐ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M [2]
	☐ 8082	☐ 8021B	☐ EPH	☐ 7000S [3]	☐ 7196A

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☐ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes	☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes	☐ No
D	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?	☐ Yes	☐ No

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☐ No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 2/15/2006

MAXYMILLIAN Technologies

8A 40633 (2)

CHAIN OF CUSTODY RECORD

Client:	MAXYMILLIAN TECHNOLOGIES	Project Name:	STRASSLER RESIDENCE
Date:	02-10-06	Project Number:	05143
Report To:	ROB McLEAN	Address:	102 WEST RD, ALFORD MA
Address:	1801 EAST ST PITTSFIELD MA 01201	Date Samples Collected:	2-10-06
Telephone:	413-499-3050	By:	C. RAUSCHER

Sampling Information					Analysis Required	# Of Cont.	Type of Cont.	Pres.	Comments: (special instruction, cautions, etc.)
ID#	Date	Time	Location	Sample Type					
INF	2/10	1030	WATER TREATMENT	GRAB	EPHCC / VPHCC	3	1L/2VOA	ICE	40633 -01
EFF-1		1130							-02
EFF-2		1100							-03
INF		1030			525.2 / 524.2	3	1L/2VOA		-01
EFF-1		1130							-02
EFF-2		1100							-03
INF	2/10	1030	WATER TREATMENT	GRAB	TPH (8100)	1	1L	ICE	-01
EFF-1		1130							-02
EFF-2		1100							-03

REMARKS: (special instructions, sample storage, non-standard sample bottles, etc.)
NEED RESULTS BY 02-14-06

CAM I CW-1

ice

Relinquished by: C. Rauscher Date: 2-10-06
Received by: K Wilkes Date: 2/10/06 1345

Relinquished by: _____ Date: _____
Received by: _____ Date: _____

Relinquished by: _____ Date: _____
Received by: _____ Date: _____

Turnaround: 24 hrs. ____ 48 hrs. ____ 1 week ____ 2 weeks ____ 4 weeks ____ Other ✓

86 South Main Street • Lanesboro, MA 01237 • (413) 448-2966