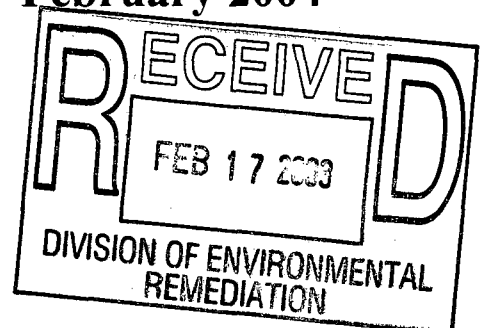


401040

***2002 Annual Groundwater
Monitoring/NAPL Monitoring &
Recovery Activities, Attachment B -
Validated Analytical Reports***

**Niagara Mohawk, a National Grid Company
Albany, New York**

February 2004



Semivolatile Organics Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Have any missing deliverables been received and added to the data package?	<u> </u>	<u> X </u>	<u> </u>
Is there a narrative or cover letter present?	<u> X </u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> X </u>	<u> </u>	<u> </u>
Are the sample chain-of-custodies present?	<u> X </u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>	<u> X </u>	<u> </u>
<u>Holding Times</u>			
Have any holding times been exceeded?	<u> </u>	<u> X </u>	<u> </u>
<u>Surrogate Recovery</u>			
Are the surrogate recovery forms present?	<u> X </u>	<u> </u>	<u> </u>
Are all samples listed on the surrogate recovery form?	<u> X </u>	<u> </u>	<u> </u>
Were two or more base-neutral or acid surrogate recoveries outside control limits for any sample or blank?	<u> </u>	<u> X </u>	<u> </u>
If yes, were the samples reanalyzed?	<u> </u>	<u> </u>	<u> X </u>
Are there any transcription/calculation errors between the raw data and the summary form?	<u> </u>	<u> X </u>	<u> </u>
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> X </u>	<u> </u>	<u> </u>
Were matrix spikes analyzed at the required frequency	<u> X </u>	<u> </u>	<u> </u>
How many spike recoveries were outside of QC limits?			
<u> 5 </u> out of <u> 36 </u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
<u> 1 </u> out of <u> 18 </u>			
<u>Blanks</u>			
Is the method blank summary form present?	<u> X </u>	<u> </u>	<u> </u>
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	<u> X </u>	<u> </u>	<u> </u>
Has a blank been analyzed for each system used?	<u> X </u>	<u> </u>	<u> </u>
Do any method blanks have positive results?	<u> X </u>	<u> </u>	<u> </u>
Do any field/rinse blanks have positive results?	<u> </u>	<u> </u>	<u> X </u>
Are field/rinse blanks associated with every sample?	<u> </u>	<u> X </u>	<u> </u>

Semivolatile Organics Data Validation Checklist - Page 2

	YES	NO	NA
<u>Tuning and Mass Calibration</u>			
Are the GC/MS tuning forms present for DFTPP?	<u>X</u>	<u> </u>	<u> </u>
Are the bar graph spectrum and mass/charge listing provided for each DFTPP?	<u>X</u>	<u> </u>	<u> </u>
Has a DFTPP been analyzed for each twelve hours of analysis per instrument?	<u>X</u>	<u> </u>	<u> </u>
Have the ion abundance criteria been met for each instrument used?	<u>X</u>	<u> </u>	<u> </u>
<u>Target Analytes</u>			
Is an organics analysis data sheet present for each of the following:			
Samples	<u>X</u>	<u> </u>	<u> </u>
Matrix spikes	<u>X</u>	<u> </u>	<u> </u>
Blanks	<u>X</u>	<u> </u>	<u> </u>
Are the reconstructed ion chromatograms present for each of the following:			
Samples	<u>X</u>	<u> </u>	<u> </u>
Matrix spikes	<u>X</u>	<u> </u>	<u> </u>
Blanks	<u>X</u>	<u> </u>	<u> </u>
Is the chromatographic performance acceptable?	<u>X</u>	<u> </u>	<u> </u>
Are the mass spectra of the identified compounds present?	<u>X</u>	<u> </u>	<u> </u>
Are all ions present in the standard mass spectrum at a relative intensity of 10% or greater also present in the sample spectrum?	<u>X</u>	<u> </u>	<u> </u>
Do the samples and standard relative ion intensities agree within 20%?	<u>X</u>	<u> </u>	<u> </u>
<u>Tentatively Identified Compounds</u>			
Are all the TIC summary forms present?	<u>X</u>	<u> </u>	<u> </u>
Are the mass spectra for the tentatively identified compounds and their associated "best match" spectra present?	<u>X</u>	<u> </u>	<u> </u>
Are any target compounds listed as TICs?	<u> </u>	<u>X</u>	<u> </u>
Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	<u>X</u>	<u> </u>	<u> </u>
Do the TIC and "best match" spectrum agree within 20%?	<u>X</u>	<u> </u>	<u> </u>

Semivolatile Organics Data Validation Checklist - Page 3

	YES	NO	NA
<u>Quantitation and Detection Limits</u>			
Are there any transcription/calculation errors in the Form 1 results?	_____	<u>X</u> _____	_____
Are the reporting limits adjusted to reflect sample dilutions, and for soils, sample moisture?	<u>X</u> _____	_____	_____
<u>Standard Data</u>			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	<u>X</u> _____	_____	_____
<u>Initial Calibration</u>			
Are the initial calibration forms present for each instrument used?	<u>X</u> _____	_____	_____
Are the response factor RSDs within acceptable limits?	<u>X</u> _____	_____	_____
Are the average RRF $\geq$ minimum requirements?	<u>X</u> _____	_____	_____
Are there any transcription/calculation error in reporting the RRF or RSD?	_____	<u>X</u> _____	_____
<u>Continuing Calibration</u>			
Are the continuing calibration forms present for each day and each instrument?	<u>X</u> _____	_____	_____
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	<u>X</u> _____	_____	_____
All %D within acceptable limits?	_____	<u>X</u> _____	_____
Are all RF $\geq$ minimum requirements?	<u>X</u> _____	_____	_____
Are there any transcription/calculation errors in reporting of RF or %D?	_____	<u>X</u> _____	_____
<u>Internal Standards</u>			
Are internal standard areas of every sample within the upper and lower limits for each continuing calibration?	_____	<u>X</u> _____	_____
Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	<u>X</u> _____	_____	_____
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u>X</u> _____	_____	_____

Semivolatile Qualifier Summary **Holding Time, Surrogates, Internal Standards**

Sample ID	Holding Time	Surrogates								Internal Standards					
		2FP	PHL	NBZ	FBP	TBP	TPH	2CP	DCB	DCB	NPT	ANT	PHN	CRY	PRY
MW-24S															
MW-26S															
MW-14															
MW-27S															
MW-27D															
MW-27D DL		D	D	D	D	D	D	D	D						
MW-28S															
MW-28S DL		D	D	D	D	D	D	D	D						
MW-28S MS											I				
MW-28S MSD															
MW-22S															
MW-21Sr															
MW-21D															
MW-18S															
MW-25S															
MW-22D															
DUP-2															
DUP-2 DL		D	D	D	D	D	D	D	D						
MW-22R															
MW-22R MS															
MW-22R MSD															
MW-21R															
MW-6A															
DUP-3															
MW-28D															

Surrogates:

NBZ Nitrobenzene-d5
 FBP 2-Fluorobiphenyl
 TPH Terphenyl-d14
 DCB 1,2-Dichlorobenzene-d4
 PHL Phenol-d6
 2FP 2-Fluorophenol
 TBP 2,4,6-Tribromophenol
 2CP 2-Chlorophenol-d4

Internal Standards:

DCB 1,4-Dichlorobenzene-d4
 NPT Naphthalene-d8
 ANT Acenaphthene-d10
 PHN Phenanthrene-d10
 CRY Chrysene-d12
 PRY Perylene-d12

Qualifiers:

D Diluted
 I Recovery low
 H Recovery high
 na not applicable
 II Response <25%

* Unless otherwise specified, all parameters are within acceptable limits.

Semivolatile Calibration Outliers

Instrument: I50Z-A

Date/Time	11/07/02		11/22/02 0820		11/23/02 0927		11/26/02 1042		11/29/02 0908	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
Benzaldehyde						27.4		31.1		
Phenol										
bis(2-Chloroethyl)ether										
2-Chlorophenol										
2-Methylphenol										
bis(2-chloroisopropyl)ether										
Acetophenone										
4-Methylphenol										
N-Nitroso-di-n-propylamine										
Hexachloroethane										
Nitrobenzene										
Isophorone										
2-Nitrophenol										
2,4-Dichlorophenol										
bis(2-Chloroethoxy)methane										
2,4-Dimethylphenol										
Naphthalene										
4-Chloroaniline										
Hexachlorobutadiene										
Caprolactam										
4-Chloro-3-methylphenol										
2-Methylnaphthalene										
Hexachlorocyclopentadiene										
2,4,6-Trichlorophenol										
2,4,5-Trichlorophenol										
Biphenyl										
2-Chloronaphthalene										
2-Nitroaniline										
Dimethyl phthalate										
Acenaphthylene										
2,6-Dinitrotoluene										
3-Nitroaniline										
Acenaphthene										
2,4-Dinitrophenol				-28.1						
4-Nitrophenol										

Semivolatile Calibration Outliers - Page 2

Date/Time	11/07/02		11/22/02 0820		11/23/02 0927		11/26/02 1042		11/29/02 0908	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	REF	%RSD	REF	%D	REF	%D	REF	%D	REF	%D
Dibenzofuran										
2,4-Dinitrotoluene										
Diethylphthalate				94.7						
Fluorene										
4-Chlorophenyl-phenylether										
4-Nitroaniline										
4,6-Dinitro-2-methylphenol										
N-Nitrosodiphenylamine										
4-Bromophenyl-phenylether										
Hexachlorobenzene										
Atrazine										
Pentachlorophenol										
Phenanthrene										
Anthracene										
Carbazole										
Di-n-butylphthalate										
Fluoranthene										
Pyrene										
Butylbenzylphthalate										
Benzo(a)anthracene										
3,3'-Dichlorobenzidine										
Chrysene										
bis(2-ethylhexyl)phthalate										
Di-n-octylphthalate				44.7		25.9		30.5		
Benzo(b)fluoranthene						28.3				
Benzo(k)fluoranthene								27.1		27.8
Benzo(a)pyrene										
Indeno(1,2,3-cd)pyrene										
Dibenz(a,h)anthracene										
Benzo(g,h,i)perylene										27.6
Affected Samples:			None		DUP-2		DUP-2DL		MW-6A	
					MW-14		MW-18S DL		MW-21R	
					MW-18S		MW-27D DL		MW22R	
					MW-21D		MW-27S DL		MW-28D	
					MW-21Sr		MW-28S DL			
					MW-22D					

Semivolatile Calibration Outliers - Page 3

Date/Time	11/07/02		11/22/02 0820		11/23/02 0927		11/26/02 1042		11/29/02 0908	
	Initial Cal		Cont. Cal		Cont. Cal		Cont. Cal		Cont. Cal	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
					MW-22S					
					MW-24S					
					MW-25S					
					MW-26S					
					MW-27S					
					MW-27D					
					MW-28S					

Corrected Sample Analysis Data Sheets

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

82

Client No.

DUP-2

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54131.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	<u>NWJ</u>
108-95-2-----	Phenol	3	<u>J</u>
111-44-4-----	Bis(2-chloroethyl) ether	10	<u>U</u>
95-57-8-----	2-Chlorophenol	10	<u>U</u>
95-48-7-----	2-Methylphenol	10	<u>U</u>
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	<u>U</u>
98-86-2-----	Acetophenone	10	<u>U</u>
106-44-5-----	4-Methylphenol	10	<u>U</u>
621-64-7-----	N-Nitroso-Di-n-propylamine	10	<u>U</u>
67-72-1-----	Hexachloroethane	10	<u>U</u>
98-95-3-----	Nitrobenzene	10	<u>U</u>
78-59-1-----	Isophorone	10	<u>U</u>
88-75-5-----	2-Nitrophenol	10	<u>U</u>
105-67-9-----	2,4-Dimethylphenol	6	<u>J</u>
111-91-1-----	Bis(2-chloroethoxy) methane	10	<u>U</u>
120-83-2-----	2,4-Dichlorophenol	10	<u>U</u>
91-20-3-----	Naphthalene	~~2200~~ 5800	<u>EDJ</u>
106-47-8-----	4-Chloroaniline	10	<u>U</u>
87-68-3-----	Hexachlorobutadiene	10	<u>U</u>
105-60-2-----	Caprolactam	10	<u>U</u>
59-50-7-----	4-Chloro-3-methylphenol	10	<u>U</u>
91-57-6-----	2-Methylnaphthalene	~~240~~ 210	<u>EDJ</u>
77-47-4-----	Hexachlorocyclopentadiene	10	<u>U</u>
88-06-2-----	2,4,6-Trichlorophenol	10	<u>U</u>
95-95-4-----	2,4,5-Trichlorophenol	10	<u>U</u>
92-52-4-----	Biphenyl	10	<u>U</u>
91-58-7-----	2-Chloronaphthalene	10	<u>U</u>
88-74-4-----	2-Nitroaniline	24	<u>U</u>
131-11-3-----	Dimethyl phthalate	10	<u>U</u>
208-96-8-----	Acenaphthylene	~~100~~ 100	<u>EDJ</u>
606-20-2-----	2,6-Dinitrotoluene	10	<u>U</u>
99-09-2-----	3-Nitroaniline	24	<u>U</u>

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

83

Client No.

DUP-2

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54131.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

Q

83-32-9-----	Acenaphthene	67	J
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	5	J
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	45	J
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	49	J
120-12-7-----	Anthracene	8	J
86-74-8-----	Carbazole	7	J
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	5	J
129-00-0-----	Pyrene	4	J
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	0.3	J
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

84

Client No.

DUP-2

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54131.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	Q
191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No. 8

DUP-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56108

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54131.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 13

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE ISOMER	7.45	44	J
2.	TRIMETHYLBENZENE ISOMER	7.56	28	J
3.	ETHYLMETHYLBENZENE ISOMER	8.05	160	J
4.	ETHYLMETHYLBENZENE ISOMER	8.11	19	J
5.	TRIMETHYLBENZENE ISOMER	8.56	37	J
6. 300-57-2	2-PROPENYLBENZENE	8.63	22	JN
7. 496-11-7	INDANE	8.83	160	JN
8. 95-13-6	INDENE	9.01	410	JN
9.	DIMETHYLNAPHTHALENE ISOMER	14.45	17	J
10.	DIMETHYLNAPHTHALENE ISOMER	14.65	14	J
11.	UNKNOWN PAH DER.	17.15	22	J
12. 81-84-5	1,8-NAPHTHALIC ANHYDRIDE	19.76	10	JN
13.	UNKNOWN	23.70	13	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

86

Client No.

DUP-2 DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108DL

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54204.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	950	U
108-95-2-----	Phenol	950	U
111-44-4-----	Bis(2-chloroethyl) ether	950	U
95-57-8-----	2-Chlorophenol	950	U
95-48-7-----	2-Methylphenol	950	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	950	U
98-86-2-----	Acetophenone	950	U
106-44-5-----	4-Methylphenol	950	U
621-64-7-----	N-Nitroso-Di-n-propylamine	950	U
67-72-1-----	Hexachloroethane	950	U
98-95-3-----	Nitrobenzene	950	U
78-59-1-----	Isophorone	950	U
88-75-5-----	2-Nitrophenol	950	U
105-67-9-----	2,4-Dimethylphenol	950	U
111-91-1-----	Bis(2-chloroethoxy) methane	950	U
120-83-2-----	2,4-Dichlorophenol	950	U
91-20-3-----	Naphthalene	5800	D
106-47-8-----	4-Chloroaniline	950	U
87-68-3-----	Hexachlorobutadiene	950	U
105-60-2-----	Caprolactam	950	U
59-50-7-----	4-Chloro-3-methylphenol	950	U
91-57-6-----	2-Methylnaphthalene	210	DJ
77-47-4-----	Hexachlorocyclopentadiene	950	U
88-06-2-----	2,4,6-Trichlorophenol	950	U
95-95-4-----	2,4,5-Trichlorophenol	950	U
92-52-4-----	Biphenyl	55	DJ
91-58-7-----	2-Chloronaphthalene	950	U
88-74-4-----	2-Nitroaniline	2400	U
131-11-3-----	Dimethyl phthalate	950	U
208-96-8-----	Acenaphthylene	160	DJ
606-20-2-----	2,6-Dinitrotoluene	950	U
99-09-2-----	3-Nitroaniline	2400	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

8

Client No.

DUP-2 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108DL

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54204.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	88	DJ
51-28-5-----	2,4-Dinitrophenol	2400	U
100-02-7-----	4-Nitrophenol	2400	U
132-64-9-----	Dibenzofuran	950	U
121-14-2-----	2,4-Dinitrotoluene	950	U
84-66-2-----	Diethyl phthalate	950	U
7005-72-3-----	4-Chlorophenyl phenyl ether	950	U
86-73-7-----	Fluorene	40	DJ
100-01-6-----	4-Nitroaniline	2400	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2400	U
86-30-6-----	N-nitrosodiphenylamine	950	U
101-55-3-----	4-Bromophenyl phenyl ether	950	U
118-74-1-----	Hexachlorobenzene	950	U
1912-24-9-----	Atrazine	950	U
87-86-5-----	Pentachlorophenol	2400	U
85-01-8-----	Phenanthrene	60	DJ
120-12-7-----	Anthracene	950	U
86-74-8-----	Carbazole	950	U
84-74-2-----	Di-n-butyl phthalate	950	U
206-44-0-----	Fluoranthene	950	U
129-00-0-----	Pyrene	950	U
85-68-7-----	Butyl benzyl phthalate	950	U
91-94-1-----	3,3'-Dichlorobenzidine	950	U
56-55-3-----	Benzo (a) anthracene	950	U
218-01-9-----	Chrysene	950	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	950	U
117-84-0-----	Di-n-octyl phthalate	950	U
205-99-2-----	Benzo (b) fluoranthene	950	U
207-08-9-----	Benzo (k) fluoranthene	950	U
50-32-8-----	Benzo (a) pyrene	950	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	950	U
53-70-3-----	Dibenzo (a,h) anthracene	950	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

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Client No.

DUP-2 DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108DL

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54204.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	<u>Q</u>
191-24-2-----	Benzo (ghi) perylene		950	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

8

Client No.

DUP-2 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108DL

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54204.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 496-11-7	INDANE	8.65	260	JN
2. 95-13-6	INDENE	8.80	1000	JN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

90

Client No.

MW-6A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70603

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54269.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	0.8	J
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

9

Client No.

MW-6A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70603

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54269.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	0.6	J
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-6A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70603

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54269.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	Q
191-24-2-----	Benzo(ghi)perylene	10	<u>WJ</u>

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

9

Client No.

MW-6A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B70603

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54269.RR

Level: (low/med) LOW Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	18.46	3	J
2.	UNKNOWN	21.46	2	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

94

Client No.

MW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52303

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54118.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7-----	Benzaldehyde	9	U
108-95-2-----	Phenol	9	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
95-57-8-----	2-Chlorophenol	9	U
95-48-7-----	2-Methylphenol	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2-----	Acetophenone	9	U
106-44-5-----	4-Methylphenol	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
67-72-1-----	Hexachloroethane	9	U
98-95-3-----	Nitrobenzene	9	U
78-59-1-----	Isophorone	9	U
88-75-5-----	2-Nitrophenol	9	U
105-67-9-----	2,4-Dimethylphenol	9	U
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
91-20-3-----	Naphthalene	34	J
106-47-8-----	4-Chloroaniline	9	U
87-68-3-----	Hexachlorobutadiene	9	U
105-60-2-----	Caprolactam	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
91-57-6-----	2-Methylnaphthalene	12	J
77-47-4-----	Hexachlorocyclopentadiene	9	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	9	U
92-52-4-----	Biphenyl	0.6	J
91-58-7-----	2-Chloronaphthalene	9	U
88-74-4-----	2-Nitroaniline	23	U
131-11-3-----	Dimethyl phthalate	9	U
208-96-8-----	Acenaphthylene	1	J
606-20-2-----	2,6-Dinitrotoluene	9	U
99-09-2-----	3-Nitroaniline	23	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

95

Client No.

MW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52303

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54118.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	57	J
51-28-5-----	2,4-Dinitrophenol	23	U
100-02-7-----	4-Nitrophenol	23	U
132-64-9-----	Dibenzofuran	0.5	J
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	13	J
100-01-6-----	4-Nitroaniline	23	U
534-52-1-----	4,6-Dinitro-2-methylphenol	23	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	23	U
85-01-8-----	Phenanthrene	12	J
120-12-7-----	Anthracene	2	J
86-74-8-----	Carbazole	2	J
84-74-2-----	Di-n-butyl phthalate	0.6	J
206-44-0-----	Fluoranthene	2	J
129-00-0-----	Pyrene	2	J
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo (a) anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	0.4	J
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo (b) fluoranthene	9	U
207-08-9-----	Benzo (k) fluoranthene	9	U
50-32-8-----	Benzo (a) pyrene	9	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	9	U
53-70-3-----	Dibenzo (a, h) anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

96

Client No.

MW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52303

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54118.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

97

Client No.

MW-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52303

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z54118.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 29

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	METHYLETHYLBENZENE ISOMER	6.70	3	J
2. 496-11-7	INDANE	8.80	140	JN
3. 95-13-6	INDENE	8.95	6	JN
4.	2,3-DIHYDROMETHYL-1H-INDENE	10.53	5	J
5.	UNKNOWN BENZENE DER.	10.71	17	J
6.	UNKNOWN BENZENE DER.	10.80	2	J
7.	UNKNOWN	11.93	2	J
8.	UNKNOWN	12.01	2	J
9.	UNKNOWN	12.36	4	J
10. 18636-55-0	1,1-DIMETHYL-1H-INDENE	12.48	2	JN
11.	METHYLBENZO [B] THIOPHENE ISOM	12.83	4	J
12. 90-12-0	1-METHYLNAPHTHALENE	13.18	88	JN
13.	UNKNOWN	13.25	2	J
14.	UNKNOWN	13.65	2	J
15.	UNKNOWN	14.10	2	J
16.	DIMETHYLNAPHTHALENE ISOMER	14.43	4	J
17.	DIMETHYLNAPHTHALENE ISOMER	14.63	10	J
18.	DIMETHYLNAPHTHALENE ISOMER	14.88	3	J
19.	DIMETHYLNAPHTHALENE ISOMER	15.08	4	J
20.	UNKNOWN	15.23	2	J
21.	UNKNOWN	16.18	3	J
22.	UNKNOWN	16.56	3	J
23.	UNKNOWN PAH DER.	16.68	2	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

98

Client No.

MW-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52303

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z54118.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 29

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN PAH DER.	16.81	3	J
25.	UNKNOWN	16.96	3	J
26.	UNKNOWN	17.56	3	J
27.	UNKNOWN PAH DER.	19.00	2	J
28.	UNKNOWN	20.51	2	J
29.	UNKNOWN	21.25	3	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-18S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56105

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54128.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	<i>puJ</i>
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	3	J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	1	J
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	430 850	<i>EDJ</i>
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	28	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	12	J
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	0.5	J
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

100

Client No.

MW-18S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56105

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54128.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9-----	Acenaphthene		41	J
51-28-5-----	2,4-Dinitrophenol		25	U
100-02-7-----	4-Nitrophenol		25	U
132-64-9-----	Dibenzofuran		0.5	J
121-14-2-----	2,4-Dinitrotoluene		10	U
84-66-2-----	Diethyl phthalate		10	U
7005-72-3-----	4-Chlorophenyl phenyl ether		10	U
86-73-7-----	Fluorene		6	J
100-01-6-----	4-Nitroaniline		25	U
534-52-1-----	4,6-Dinitro-2-methylphenol		25	U
86-30-6-----	N-nitrosodiphenylamine		10	U
101-55-3-----	4-Bromophenyl phenyl ether		10	U
118-74-1-----	Hexachlorobenzene		10	U
1912-24-9-----	Atrazine		10	U
87-86-5-----	Pentachlorophenol		25	U
85-01-8-----	Phenanthrene		6	J
120-12-7-----	Anthracene		0.5	J
86-74-8-----	Carbazole		2	J
84-74-2-----	Di-n-butyl phthalate		10	U
206-44-0-----	Fluoranthene		10	U
129-00-0-----	Pyrene		10	U
85-68-7-----	Butyl benzyl phthalate		10	U
91-94-1-----	3,3'-Dichlorobenzidine		10	U
56-55-3-----	Benzo (a) anthracene		10	U
218-01-9-----	Chrysene		10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate		10	U
117-84-0-----	Di-n-octyl phthalate		10	U
205-99-2-----	Benzo (b) fluoranthene		10	U
207-08-9-----	Benzo (k) fluoranthene		10	U
50-32-8-----	Benzo (a) pyrene		10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene		10	U
53-70-3-----	Dibenzo (a,h) anthracene		10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

10

Client No.

MW-18S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56105

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54128.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

191-24-2-----Benzo(ghi)perylene

10

U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

102

Client No.

MW-18S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56105

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54128.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	8.03	14	J
2. 496-11-7	INDANE	8.81	190	JN
3.	UNKNOWN ACID	20.25	7	J
4. 123-95-5	OCTADECANOIC ACID, BUTYL ESTER	21.28	6	JN
5.	UNKNOWN	21.56	5	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

10

Client No.

MW-18S DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56105DL

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54203.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-52-7	Benzaldehyde	200	U	
108-95-2	Phenol	200	U	
111-44-4	Bis(2-chloroethyl) ether	200	U	
95-57-8	2-Chlorophenol	200	U	
95-48-7	2-Methylphenol	200	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	200	U	
98-86-2	Acetophenone	200	U	
106-44-5	4-Methylphenol	200	U	
621-64-7	N-Nitroso-Di-n-propylamine	200	U	
67-72-1	Hexachloroethane	200	U	
98-95-3	Nitrobenzene	200	U	
78-59-1	Isophorone	200	U	
88-75-5	2-Nitrophenol	200	U	
105-67-9	2,4-Dimethylphenol	200	U	
111-91-1	Bis(2-chloroethoxy) methane	200	U	
120-83-2	2,4-Dichlorophenol	200	U	
91-20-3	Naphthalene	850	D	
106-47-8	4-Chloroaniline	200	U	
87-68-3	Hexachlorobutadiene	200	U	
105-60-2	Caprolactam	200	U	
59-50-7	4-Chloro-3-methylphenol	200	U	
91-57-6	2-Methylnaphthalene	26	DJ	
77-47-4	Hexachlorocyclopentadiene	200	U	
88-06-2	2,4,6-Trichlorophenol	200	U	
95-95-4	2,4,5-Trichlorophenol	200	U	
92-52-4	Biphenyl	10	DJ	
91-58-7	2-Chloronaphthalene	200	U	
88-74-4	2-Nitroaniline	500	U	
131-11-3	Dimethyl phthalate	200	U	
208-96-8	Acenaphthylene	200	U	
606-20-2	2,6-Dinitrotoluene	200	U	
99-09-2	3-Nitroaniline	500	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

104

Client No.

MW-18S DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56105DL

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54203.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9	Acenaphthene		47	DJ
51-28-5	2,4-Dinitrophenol		500	U
100-02-7	4-Nitrophenol		500	U
132-64-9	Dibenzofuran		200	U
121-14-2	2,4-Dinitrotoluene		200	U
84-66-2	Diethyl phthalate		200	U
7005-72-3	4-Chlorophenyl phenyl ether		200	U
86-73-7	Fluorene		200	U
100-01-6	4-Nitroaniline		500	U
534-52-1	4,6-Dinitro-2-methylphenol		500	U
86-30-6	N-nitrosodiphenylamine		200	U
101-55-3	4-Bromophenyl phenyl ether		200	U
118-74-1	Hexachlorobenzene		200	U
1912-24-9	Atrazine		200	U
87-86-5	Pentachlorophenol		500	U
85-01-8	Phenanthrene		6	DJ
120-12-7	Anthracene		200	U
86-74-8	Carbazole		200	U
84-74-2	Di-n-butyl phthalate		200	U
206-44-0	Fluoranthene		200	U
129-00-0	Pyrene		200	U
85-68-7	Butyl benzyl phthalate		200	U
91-94-1	3,3'-Dichlorobenzidine		200	U
56-55-3	Benzo(a)anthracene		200	U
218-01-9	Chrysene		200	U
117-81-7	Bis(2-ethylhexyl) phthalate		200	U
117-84-0	Di-n-octyl phthalate		200	U
205-99-2	Benzo(b)fluoranthene		200	U
207-08-9	Benzo(k)fluoranthene		200	U
50-32-8	Benzo(a)pyrene		200	U
193-39-5	Indeno(1,2,3-cd)pyrene		200	U
53-70-3	Dibenzo(a,h)anthracene		200	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

10

Client No.

MW-18S DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56105DL

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54203.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	200	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

106

Client No.

MW-18S DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56105DL

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54203.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N

pH: 6.0

CONCENTRATION UNITS:

Number TICs found: 1

(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 496-11-7	INDANE	8.65	220	JN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

107

Client No.

MW-21D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56104

Sample wt/vol: 1065.0 (g/mL) ML Lab File ID: Z54127.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	<u>MJ</u>
108-95-2-----	Phenol	9	<u>U</u>
111-44-4-----	Bis(2-chloroethyl) ether	9	<u>U</u>
95-57-8-----	2-Chlorophenol	9	<u>U</u>
95-48-7-----	2-Methylphenol	9	<u>U</u>
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	<u>U</u>
98-86-2-----	Acetophenone	9	<u>U</u>
106-44-5-----	4-Methylphenol	9	<u>U</u>
621-64-7-----	N-Nitroso-Di-n-propylamine	9	<u>U</u>
67-72-1-----	Hexachloroethane	9	<u>U</u>
98-95-3-----	Nitrobenzene	9	<u>U</u>
78-59-1-----	Isophorone	9	<u>U</u>
88-75-5-----	2-Nitrophenol	9	<u>U</u>
105-67-9-----	2,4-Dimethylphenol	9	<u>U</u>
111-91-1-----	Bis(2-chloroethoxy) methane	9	<u>U</u>
120-83-2-----	2,4-Dichlorophenol	9	<u>U</u>
91-20-3-----	Naphthalene	3	<u>J</u>
106-47-8-----	4-Chloroaniline	9	<u>U</u>
87-68-3-----	Hexachlorobutadiene	9	<u>U</u>
105-60-2-----	Caprolactam	9	<u>U</u>
59-50-7-----	4-Chloro-3-methylphenol	9	<u>U</u>
91-57-6-----	2-Methylnaphthalene	9	<u>U</u>
77-47-4-----	Hexachlorocyclopentadiene	9	<u>U</u>
88-06-2-----	2,4,6-Trichlorophenol	9	<u>U</u>
95-95-4-----	2,4,5-Trichlorophenol	9	<u>U</u>
92-52-4-----	Biphenyl	9	<u>U</u>
91-58-7-----	2-Chloronaphthalene	9	<u>U</u>
88-74-4-----	2-Nitroaniline	23	<u>U</u>
131-11-3-----	Dimethyl phthalate	9	<u>U</u>
208-96-8-----	Acenaphthylene	9	<u>U</u>
606-20-2-----	2,6-Dinitrotoluene	9	<u>U</u>
99-09-2-----	3-Nitroaniline	23	<u>U</u>

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

108

Client No.

MW-21D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56104

Sample wt/vol: 1065.0 (g/mL) ML

Lab File ID: Z54127.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	23	U
100-02-7-----	4-Nitrophenol	23	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	23	U
534-52-1-----	4,6-Dinitro-2-methylphenol	23	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	23	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a)anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b)fluoranthene	9	U
207-08-9-----	Benzo(k)fluoranthene	9	U
50-32-8-----	Benzo(a)pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	9	U
53-70-3-----	Dibenzo(a,h)anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

109

Client No.

MW-21D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56104

Sample wt/vol: 1065.0 (g/mL) ML Lab File ID: Z54127.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----Benzo (ghi) perylene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

110

Client No.

MW-21D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56104

Sample wt/vol: 1065.0 (g/mL) ML

Lab File ID: Z54127.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ACID	20.25	6	J
2. 123-95-5	OCTADECANOIC ACID, BUTYL ESTER	21.30	5	JN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

11

Client No.

MW-21R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B70602

Sample wt/vol: 1020.0 (g/mL) ML Lab File ID: Z54268.RR

Level: (low/med) LOW Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

112

Client No.

MW-21R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70602

Sample wt/vol: 1020.0 (g/mL) ML

Lab File ID: Z54268.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo(b) fluoranthene	10	U
207-08-9-----	Benzo(k) fluoranthene	10	U
50-32-8-----	Benzo(a) pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo(a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

110

Client No.

MW-21R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B70602

Sample wt/vol: 1020.0 (g/mL) ML Lab File ID: Z54268.RR

Level: (low/med) LOW Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----Benzo(ghi)perylene	10	<u>µg/L</u>

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

114

Client No.

MW-21R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70602

Sample wt/vol: 1020.0 (g/mL) ML

Lab File ID: Z54268.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

11

Client No.

MW-21Sr

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56103

Sample wt/vol: 1065.0 (g/mL) ML Lab File ID: Z54126.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	WJ
108-95-2-----	Phenol	9	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
95-57-8-----	2-Chlorophenol	9	U
95-48-7-----	2-Methylphenol	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2-----	Acetophenone	9	U
106-44-5-----	4-Methylphenol	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
67-72-1-----	Hexachloroethane	9	U
98-95-3-----	Nitrobenzene	9	U
78-59-1-----	Isophorone	9	U
88-75-5-----	2-Nitrophenol	9	U
105-67-9-----	2,4-Dimethylphenol	9	U
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
91-20-3-----	Naphthalene	0.9	J
106-47-8-----	4-Chloroaniline	9	U
87-68-3-----	Hexachlorobutadiene	9	U
105-60-2-----	Caprolactam	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
91-57-6-----	2-Methylnaphthalene	9	U
77-47-4-----	Hexachlorocyclopentadiene	9	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	9	U
92-52-4-----	Biphenyl	9	U
91-58-7-----	2-Chloronaphthalene	9	U
88-74-4-----	2-Nitroaniline	23	U
131-11-3-----	Dimethyl phthalate	9	U
208-96-8-----	Acenaphthylene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
99-09-2-----	3-Nitroaniline	23	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

116

Client No.

MW-21Sr

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56103

Sample wt/vol: 1065.0 (g/mL) ML

Lab File ID: Z54126.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	23	U
100-02-7-----	4-Nitrophenol	23	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	23	U
534-52-1-----	4,6-Dinitro-2-methylphenol	23	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	23	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo (a) anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo (b) fluoranthene	9	U
207-08-9-----	Benzo (k) fluoranthene	9	U
50-32-8-----	Benzo (a) pyrene	9	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	9	U
53-70-3-----	Dibenzo (a,h) anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

11

Client No.

MW-21Sr

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56103

Sample wt/vol: 1065.0 (g/mL) ML

Lab File ID: Z54126.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----Benzo (ghi) perylene

9

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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

118

Client No.

MW-21Sr

Lab Name: SIL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56103

Sample wt/vol: 1065.0 (g/mL) ML

Lab File ID: Z54126.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

119

Client No.

MW-22D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56107

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: Z54130.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	Y/N
108-95-2-----	Phenol	9	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
95-57-8-----	2-Chlorophenol	9	U
95-48-7-----	2-Methylphenol	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2-----	Acetophenone	9	U
106-44-5-----	4-Methylphenol	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
67-72-1-----	Hexachloroethane	9	U
98-95-3-----	Nitrobenzene	9	U
78-59-1-----	Isophorone	9	U
88-75-5-----	2-Nitrophenol	9	U
105-67-9-----	2,4-Dimethylphenol	9	U
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
91-20-3-----	Naphthalene	2	J
106-47-8-----	4-Chloroaniline	9	U
87-68-3-----	Hexachlorobutadiene	9	U
105-60-2-----	Caprolactam	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
91-57-6-----	2-Methylnaphthalene	9	U
77-47-4-----	Hexachlorocyclopentadiene	9	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	9	U
92-52-4-----	Biphenyl	9	U
91-58-7-----	2-Chloronaphthalene	9	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	9	U
208-96-8-----	Acenaphthylene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

120

Client No.

MW-22D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56107

Sample wt/vol: 1055.0 (g/mL) ML

Lab File ID: Z54130.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo (a) anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo (b) fluoranthene	9	U
207-08-9-----	Benzo (k) fluoranthene	9	U
50-32-8-----	Benzo (a) pyrene	9	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	9	U
53-70-3-----	Dibenzo (a,h) anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

121

Client No.

MW-22D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56107

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: Z54130.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

122

Client No.

MW-22D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56107

Sample wt/vol: 1055.0 (g/mL) ML

Lab File ID: Z54130.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	19.90	4	J
2.	UNKNOWN	20.11	6	J
3.	UNKNOWN ACID	20.25	6	J
4.	UNKNOWN	21.23	2	J
5. 123-95-5	OCTADECANOIC ACID, BUTYL ESTER	21.28	10	JN
6.	UNKNOWN ALKANE	21.35	2	J
7.	UNKNOWN	21.56	15	J
8.	UNKNOWN	22.75	6	J
9.	UNKNOWN	23.06	12	J
10.	UNKNOWN	24.43	3	J
11.	UNKNOWN	26.13	3	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

125

Client No.

MW-22R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B70601

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54265.RR

Level: (low/med) LOW Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

124

Client No.

MW-22R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70601

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54265.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo(b) fluoranthene	10	U
207-08-9-----	Benzo(k) fluoranthene	10	U
50-32-8-----	Benzo(a) pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo(a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

125

Client No.

MW-22R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B70601

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54265.RR

Level: (low/med) LOW Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	10	<u>10</u>

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

126

Client No.

MW-22R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70601

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54265.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 9.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

12

Client No.

MW-22S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56102

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54125.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	<u>µJ</u>
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	2	J
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

128

Client No.

MW-22S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56102

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54125.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

129

Client No.

MW-22S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56102

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54125.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

130

Client No.

MW-22S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56102

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54125.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

13

Client No.

MW-24S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52301

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z54116.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	~~U~~ <u>U</u>
108-95-2-----	Phenol	9	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
95-57-8-----	2-Chlorophenol	9	U
95-48-7-----	2-Methylphenol	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2-----	Acetophenone	9	U
106-44-5-----	4-Methylphenol	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
67-72-1-----	Hexachloroethane	9	U
98-95-3-----	Nitrobenzene	9	U
78-59-1-----	Isophorone	9	U
88-75-5-----	2-Nitrophenol	9	U
105-67-9-----	2,4-Dimethylphenol	9	U
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
91-20-3-----	Naphthalene	9	U
106-47-8-----	4-Chloroaniline	9	U
87-68-3-----	Hexachlorobutadiene	9	U
105-60-2-----	Caprolactam	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
91-57-6-----	2-Methylnaphthalene	9	U
77-47-4-----	Hexachlorocyclopentadiene	9	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	9	U
92-52-4-----	Biphenyl	9	U
91-58-7-----	2-Chloronaphthalene	9	U
88-74-4-----	2-Nitroaniline	23	U
131-11-3-----	Dimethyl phthalate	9	U
208-96-8-----	Acenaphthylene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
99-09-2-----	3-Nitroaniline	23	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

132

Client No.

MW-24S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52301

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54116.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	23	U
100-02-7-----	4-Nitrophenol	23	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	23	U
534-52-1-----	4,6-Dinitro-2-methylphenol	23	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	23	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	0.3	J
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a) anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b) fluoranthene	9	U
207-08-9-----	Benzo(k) fluoranthene	9	U
50-32-8-----	Benzo(a) pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd) pyrene	9	U
53-70-3-----	Dibenzo(a,h) anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

13

Client No.

MW-24S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52301

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z54116.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

134

Client No.

MW-24S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52301

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54116.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	19.90	3	J
2.	UNKNOWN	20.11	7	J
3.	UNKNOWN ACID	20.25	2	J
4.	UNKNOWN	21.23	3	J
5.	UNKNOWN	21.28	4	J
6.	UNKNOWN	21.56	18	J
7.	UNKNOWN	22.75	6	J
8.	UNKNOWN	22.80	3	J
9.	UNKNOWN	23.06	12	J
10.	UNKNOWN	24.41	8	J
11.	UNKNOWN PHTHALATE DER.	24.61	2	J
12.	UNKNOWN	26.15	3	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

13

Client No.

MW-25S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56106

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z54129.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	YUT
108-95-2-----	Phenol	9	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
95-57-8-----	2-Chlorophenol	9	U
95-48-7-----	2-Methylphenol	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2-----	Acetophenone	9	U
106-44-5-----	4-Methylphenol	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
67-72-1-----	Hexachloroethane	9	U
98-95-3-----	Nitrobenzene	9	U
78-59-1-----	Isophorone	9	U
88-75-5-----	2-Nitrophenol	9	U
105-67-9-----	2,4-Dimethylphenol	9	U
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
91-20-3-----	Naphthalene	4	J
106-47-8-----	4-Chloroaniline	9	U
87-68-3-----	Hexachlorobutadiene	9	U
105-60-2-----	Caprolactam	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
91-57-6-----	2-Methylnaphthalene	9	U
77-47-4-----	Hexachlorocyclopentadiene	9	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	9	U
92-52-4-----	Biphenyl	9	U
91-58-7-----	2-Chloronaphthalene	9	U
88-74-4-----	2-Nitroaniline	23	U
131-11-3-----	Dimethyl phthalate	9	U
208-96-8-----	Acenaphthylene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
99-09-2-----	3-Nitroaniline	23	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

136

Client No.

MW-25S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56106

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54129.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	23	U
100-02-7-----	4-Nitrophenol	23	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	23	U
534-52-1-----	4,6-Dinitro-2-methylphenol	23	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	23	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a)anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b)fluoranthene	9	U
207-08-9-----	Benzo(k)fluoranthene	9	U
50-32-8-----	Benzo(a)pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	9	U
53-70-3-----	Dibenzo(a,h)anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

13

Client No.

MW-25S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56106

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z54129.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

138

Client No.

MW-25S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56106

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54129.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 11

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	19.90	3	J
2.	UNKNOWN	20.15	6	J
3.	UNKNOWN ACID	20.25	4	J
4.	UNKNOWN	21.23	2	J
5. 123-95-5	~~OCTADECANOIC ACID, BUTYL ESTER~~	~~21.28~~	~~9~~	~~JN~~
6.	UNKNOWN ALKANE	21.35	3	J
7.	UNKNOWN	~~21.56~~	~~13~~	~~J~~
8.	UNKNOWN ALKANE	22.46	2	J
9.	UNKNOWN	22.75	4	J
10.	UNKNOWN	22.81	4	J
11.	UNKNOWN	23.06	10	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

13

Client No.

MW-26S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52302

Sample wt/vol: 1065.0 (g/mL) ML

Lab File ID: Z54117.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	<u>WJ</u>
108-95-2-----	Phenol	9	<u>U</u>
111-44-4-----	Bis(2-chloroethyl) ether	9	<u>U</u>
95-57-8-----	2-Chlorophenol	9	<u>U</u>
95-48-7-----	2-Methylphenol	9	<u>U</u>
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	<u>U</u>
98-86-2-----	Acetophenone	9	<u>U</u>
106-44-5-----	4-Methylphenol	9	<u>U</u>
621-64-7-----	N-Nitroso-Di-n-propylamine	9	<u>U</u>
67-72-1-----	Hexachloroethane	9	<u>U</u>
98-95-3-----	Nitrobenzene	9	<u>U</u>
78-59-1-----	Isophorone	9	<u>U</u>
88-75-5-----	2-Nitrophenol	9	<u>U</u>
105-67-9-----	2,4-Dimethylphenol	9	<u>U</u>
111-91-1-----	Bis(2-chloroethoxy) methane	9	<u>U</u>
120-83-2-----	2,4-Dichlorophenol	9	<u>U</u>
91-20-3-----	Naphthalene	1	<u>J</u>
106-47-8-----	4-Chloroaniline	9	<u>U</u>
87-68-3-----	Hexachlorobutadiene	9	<u>U</u>
105-60-2-----	Caprolactam	9	<u>U</u>
59-50-7-----	4-Chloro-3-methylphenol	9	<u>U</u>
91-57-6-----	2-Methylnaphthalene	9	<u>U</u>
77-47-4-----	Hexachlorocyclopentadiene	9	<u>U</u>
88-06-2-----	2,4,6-Trichlorophenol	9	<u>U</u>
95-95-4-----	2,4,5-Trichlorophenol	9	<u>U</u>
92-52-4-----	Biphenyl	9	<u>U</u>
91-58-7-----	2-Chloronaphthalene	9	<u>U</u>
88-74-4-----	2-Nitroaniline	23	<u>U</u>
131-11-3-----	Dimethyl phthalate	9	<u>U</u>
208-96-8-----	Acenaphthylene	9	<u>U</u>
606-20-2-----	2,6-Dinitrotoluene	9	<u>U</u>
99-09-2-----	3-Nitroaniline	23	<u>U</u>

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

140

Client No.

MW-26S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52302

Sample wt/vol: 1065.0 (g/mL) ML

Lab File ID: Z54117.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	23	U
100-02-7-----	4-Nitrophenol	23	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	23	U
534-52-1-----	4,6-Dinitro-2-methylphenol	23	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	23	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a)anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b)fluoranthene	9	U
207-08-9-----	Benzo(k)fluoranthene	9	U
50-32-8-----	Benzo(a)pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	9	U
53-70-3-----	Dibenzo(a,h)anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

14

Client No.

MW-26S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52302

Sample wt/vol: 1065.0 (g/mL) ML

Lab File ID: Z54117.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

191-24-2-----Benzo(ghi)perylene

9

U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

142

Client No.

MW-26S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52302

Sample wt/vol: 1065.0 (g/mL) ML

Lab File ID: Z54117.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 6.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

14

Client No.

MW-27D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54121.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	9	uJ
108-95-2	Phenol	2	J
111-44-4	Bis(2-chloroethyl) ether	9	U
95-57-8	2-Chlorophenol	9	U
95-48-7	2-Methylphenol	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2	Acetophenone	9	U
106-44-5	4-Methylphenol	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
91-20-3	Naphthalene	7602200	EDJ
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
105-60-2	Caprolactam	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	100 230	EDJ
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
92-52-4	Biphenyl	14	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	23	U
131-11-3	Dimethyl phthalate	9	U
208-96-8	Acenaphthylene	7	J
606-20-2	2,6-Dinitrotoluene	9	U
99-09-2	3-Nitroaniline	23	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

144

Client No.

MW-27D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54121.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	130 320	ED
51-28-5-----	2,4-Dinitrophenol	23	U
100-02-7-----	4-Nitrophenol	23	U
132-64-9-----	Dibenzofuran	9	J
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	60	J
100-01-6-----	4-Nitroaniline	23	U
534-52-1-----	4,6-Dinitro-2-methylphenol	23	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	23	U
85-01-8-----	Phenanthrene	62	J
120-12-7-----	Anthracene	17	J
86-74-8-----	Carbazole	3	J
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	11	J
129-00-0-----	Pyrene	12	J
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo (a) anthracene	0.7	J
218-01-9-----	Chrysene	0.5	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9 0.6	J
205-99-2-----	Benzo (b) fluoranthene	9	J
207-08-9-----	Benzo (k) fluoranthene	9	U
50-32-8-----	Benzo (a) pyrene	9	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	9	U
53-70-3-----	Dibenzo (a,h) anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

14

Client No.

MW-27D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54121.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

146

Client No.

MW-27D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54121.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 27

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	METHYLETHYLBENZENE ISOMER	6.70	17	J
2.	ETHYLETHYLBENZENE ISOMER	7.45	13	J
3.	TRIMETHYLBENZENE ISOMER	7.55	15	J
4.	TRIMETHYLBENZENE ISOMER	8.03	87	J
5.	TRIMETHYLBENZENE ISOMER	8.56	36	J
6. 496-11-7	INDANE	8.83	370	JN
7. 95-13-6	INDENE	8.95	20	JN
8.	METHYL (METHYLETHYL) BENZENE I	9.50	11	J
9. 90-12-0	1-METHYLNAPHTHALENE	13.21	4	JN
10.	ETHYLNAPHTHALENE ISOMER	14.28	13	J
11.	ETHYLNAPHTHALENE ISOMER	14.35	10	J
12.	DIMETHYLNAPHTHALENE ISOMER	14.45	25	J
13.	DIMETHYLBENZO [B] THIOPHENE IS	14.55	6	J
14.	DIMETHYLNAPHTHALENE ISOMER	14.65	43	J
15.	DIMETHYLNAPHTHALENE ISOMER	14.90	18	J
16.	DIMETHYLNAPHTHALENE ISOMER	14.93	8	J
17.	DIMETHYLNAPHTHALENE ISOMER	15.08	15	J
18.	METHYLETHYLNAPHTHALENE ISOME	15.63	6	J
19.	UNKNOWN	16.01	22	J
20.	TRIMETHYLNAPHTHALENE ISOMER	16.10	9	J
21.	UNKNOWN	16.21	11	J
22.	UNKNOWN PAH DER.	16.26	6	J
23.	UNKNOWN PAH DER.	16.56	10	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

147

Client No.

MW-27D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52305

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z54121.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 27

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN PAH DER.	16.63	12	J
25.	UNKNOWN PAH DER.	16.68	8	J
26.	UNKNOWN PAH DER.	17.13	3	J
27.	UNKNOWN PAH DER.	19.00	3	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

148

Client No.

MW-27D DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305DL

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54201.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 40.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-52-7	Benzaldehyde		370	U
108-95-2	Phenol		370	U
111-44-4	Bis(2-chloroethyl) ether		370	U
95-57-8	2-Chlorophenol		370	U
95-48-7	2-Methylphenol		370	U
108-60-1	2,2'-Oxybis(1-Chloropropane)		370	U
98-86-2	Acetophenone		370	U
106-44-5	4-Methylphenol		370	U
621-64-7	N-Nitroso-Di-n-propylamine		370	U
67-72-1	Hexachloroethane		370	U
98-95-3	Nitrobenzene		370	U
78-59-1	Isophorone		370	U
88-75-5	2-Nitrophenol		370	U
105-67-9	2,4-Dimethylphenol		370	U
111-91-1	Bis(2-chloroethoxy) methane		370	U
120-83-2	2,4-Dichlorophenol		370	U
91-20-3	Naphthalene		2200	D
106-47-8	4-Chloroaniline		370	U
87-68-3	Hexachlorobutadiene		370	U
105-60-2	Caprolactam		370	U
59-50-7	4-Chloro-3-methylphenol		370	U
91-57-6	2-Methylnaphthalene		230	D
77-47-4	Hexachlorocyclopentadiene		370	U
88-06-2	2,4,6-Trichlorophenol		370	U
95-95-4	2,4,5-Trichlorophenol		370	U
92-52-4	Biphenyl		16	D
91-58-7	2-Chloronaphthalene		370	U
88-74-4	2-Nitroaniline		930	U
131-11-3	Dimethyl phthalate		370	U
208-96-8	Acenaphthylene		370	U
606-20-2	2,6-Dinitrotoluene		370	U
99-09-2	3-Nitroaniline		930	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

14

Client No. 6

MW-27D DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305DL

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54201.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 40.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	320	DJ
51-28-5-----	2,4-Dinitrophenol	930	U
100-02-7-----	4-Nitrophenol	930	U
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
84-66-2-----	Diethyl phthalate	370	U
7005-72-3-----	4-Chlorophenyl phenyl ether	370	U
86-73-7-----	Fluorene	94	DJ
100-01-6-----	4-Nitroaniline	930	U
534-52-1-----	4,6-Dinitro-2-methylphenol	930	U
86-30-6-----	N-nitrosodiphenylamine	370	U
101-55-3-----	4-Bromophenyl phenyl ether	370	U
118-74-1-----	Hexachlorobenzene	370	U
1912-24-9-----	Atrazine	370	U
87-86-5-----	Pentachlorophenol	930	U
85-01-8-----	Phenanthrene	130	DJ
120-12-7-----	Anthracene	16	DJ
86-74-8-----	Carbazole	370	U
84-74-2-----	Di-n-butyl phthalate	370	U
206-44-0-----	Fluoranthene	12	DJ
129-00-0-----	Pyrene	20	DJ
85-68-7-----	Butyl benzyl phthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	370	U
56-55-3-----	Benzo (a) anthracene	370	U
218-01-9-----	Chrysene	370	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	370	U
117-84-0-----	Di-n-octyl phthalate	370	U
205-99-2-----	Benzo (b) fluoranthene	370	U
207-08-9-----	Benzo (k) fluoranthene	370	U
50-32-8-----	Benzo (a) pyrene	370	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	370	U
53-70-3-----	Dibenzo (a, h) anthracene	370	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

150

Client No.

MW-27D DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305DL

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54201.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 40.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		370	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

15

Client No.

MW-27D DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B82305DL

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z54201.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL) Dilution Factor: 40.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	7.86	83	J
2. 496-11-7	INDANE	8.65	700	JN
3. 90-12-0	1-METHYLNAPHTHALENE	13.03	270	JN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

152

Client No.

MW-27S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: Z54119.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	J
108-95-2-----	Phenol	1	J
111-44-4-----	Bis(2-chloroethyl) ether	9	U
95-57-8-----	2-Chlorophenol	9	U
95-48-7-----	2-Methylphenol	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2-----	Acetophenone	9	U
106-44-5-----	4-Methylphenol	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
67-72-1-----	Hexachloroethane	9	U
98-95-3-----	Nitrobenzene	9	U
78-59-1-----	Isophorone	9	U
88-75-5-----	2-Nitrophenol	9	U
105-67-9-----	2,4-Dimethylphenol	0.8	J
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
91-20-3-----	Naphthalene	280 430	EDJ
106-47-8-----	4-Chloroaniline	9	U
87-68-3-----	Hexachlorobutadiene	9	U
105-60-2-----	Caprolactam	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
91-57-6-----	2-Methylnaphthalene	200 270	EDJ
77-47-4-----	Hexachlorocyclopentadiene	9	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	9	U
92-52-4-----	Biphenyl	28	J
91-58-7-----	2-Chloronaphthalene	9	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	9	U
208-96-8-----	Acenaphthylene	8	J
606-20-2-----	2,6-Dinitrotoluene	9	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

15

Client No.

MW-27S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: Z54119.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9	Acenaphthene	150	210	ED J
51-28-5	2,4-Dinitrophenol	24		U
100-02-7	4-Nitrophenol	24		U
132-64-9	Dibenzofuran	6		J
121-14-2	2,4-Dinitrotoluene	9		U
84-66-2	Diethyl phthalate	9		U
7005-72-3	4-Chlorophenyl phenyl ether	9		U
86-73-7	Fluorene	62		U
100-01-6	4-Nitroaniline	24		U
534-52-1	4,6-Dinitro-2-methylphenol	24		U
86-30-6	N-nitrosodiphenylamine	9		U
101-55-3	4-Bromophenyl phenyl ether	9		U
118-74-1	Hexachlorobenzene	9		U
1912-24-9	Atrazine	9		U
87-86-5	Pentachlorophenol	24		U
85-01-8	Phenanthrene	53		U
120-12-7	Anthracene	17		U
86-74-8	Carbazole	6		U
84-74-2	Di-n-butyl phthalate	9		U
206-44-0	Fluoranthene	9		U
129-00-0	Pyrene	11		U
85-68-7	Butyl benzyl phthalate	9		U
91-94-1	3,3'-Dichlorobenzidine	9		U
56-55-3	Benzo(a)anthracene	0.8		U
218-01-9	Chrysene	0.8		U
117-81-7	Bis(2-ethylhexyl) phthalate	9		U
117-84-0	Di-n-octyl phthalate	9		U
205-99-2	Benzo(b)fluoranthene	0.3		U
207-08-9	Benzo(k)fluoranthene	9		U
50-32-8	Benzo(a)pyrene	0.3		U
193-39-5	Indeno(1,2,3-cd)pyrene	9		U
53-70-3	Dibenzo(a,h)anthracene	9		U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

154

Client No.

MW-27S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: Z54119.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.

COMPOUND

191-24-2-----Benzo(ghi)perylene

9

U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

155

Client No.

MW-27S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52304

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z54119.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 26

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE ISOMER	7.45	7	J
2.	TRIMETHYLBENZENE ISOMER	8.03	32	J
3.	ETHYLMETHYLBENZENE ISOMER	8.55	26	J
4. 496-11-7	INDANE	8.81	320	JN
5. 95-13-6	INDENE	8.95	12	JN
6.	DIETHYLBENZENE ISOMER	9.03	12	J
7.	ETHYLDIMETHYLBENZENE ISOMER	9.18	7	J
8.	ETHYLDIMETHYLBENZENE ISOMER	9.53	8	J
9.	UNKNOWN	13.70	12	J
10.	ETHYLNAPHTHALENE ISOMER	14.28	18	J
11.	ETHYLNAPHTHALENE ISOMER	14.35	4	J
12.	DIMETHYLNAPHTHALENE ISOMER	14.45	33	J
13.	UNKNOWN	14.55	5	J
14.	DIMETHYLNAPHTHALENE ISOMER	14.65	42	J
15.	DIMETHYLNAPHTHALENE ISOMER	14.70	9	J
16.	DIMETHYLNAPHTHALENE ISOMER	14.90	13	J
17.	DIMETHYLNAPHTHALENE ISOMER	14.93	6	J
18.	DIMETHYLNAPHTHALENE ISOMER	15.08	8	J
19.	UNKNOWN	15.63	5	J
20.	TRIMETHYLNAPHTHALENE ISOMER	16.10	7	J
21.	UNKNOWN PAH DER.	16.25	21	J
22.	UNKNOWN PAH DER.	16.56	8	J
23.	UNKNOWN PAH DER.	16.63	6	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

156

Client No.

MW-27S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: Z54119.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 26

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN PAH DER.	16.68	6	J
25.	UNKNOWN PAH DER.	17.16	35	J
26.	UNKNOWN ACID	20.25	5	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

15

Client No.

MW-27S DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304DL

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: Z54200.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-52-7	Benzaldehyde	94	U	
108-95-2	Phenol	94	U	
111-44-4	Bis(2-chloroethyl) ether	94	U	
95-57-8	2-Chlorophenol	94	U	
95-48-7	2-Methylphenol	94	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	94	U	
98-86-2	Acetophenone	94	U	
106-44-5	4-Methylphenol	94	U	
621-64-7	N-Nitroso-Di-n-propylamine	94	U	
67-72-1	Hexachloroethane	94	U	
98-95-3	Nitrobenzene	94	U	
78-59-1	Isophorone	94	U	
88-75-5	2-Nitrophenol	94	U	
105-67-9	2,4-Dimethylphenol	94	U	
111-91-1	Bis(2-chloroethoxy) methane	94	U	
120-83-2	2,4-Dichlorophenol	94	U	
91-20-3	Naphthalene	430	D	
106-47-8	4-Chloroaniline	94	U	
87-68-3	Hexachlorobutadiene	94	U	
105-60-2	Caprolactam	94	U	
59-50-7	4-Chloro-3-methylphenol	94	U	
91-57-6	2-Methylnaphthalene	270	D	
77-47-4	Hexachlorocyclopentadiene	94	U	
88-06-2	2,4,6-Trichlorophenol	94	U	
95-95-4	2,4,5-Trichlorophenol	94	U	
92-52-4	Biphenyl	28	DJ	
91-58-7	2-Chloronaphthalene	94	U	
88-74-4	2-Nitroaniline	240	U	
131-11-3	Dimethyl phthalate	94	U	
208-96-8	Acenaphthylene	7	DJ	
606-20-2	2,6-Dinitrotoluene	94	U	
99-09-2	3-Nitroaniline	240	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

158

Client No.

MW-27S DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304DL

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: Z54200.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	210	D
51-28-5-----	2,4-Dinitrophenol	240	U
100-02-7-----	4-Nitrophenol	240	U
132-64-9-----	Dibenzofuran	5	DJ
121-14-2-----	2,4-Dinitrotoluene	94	U
84-66-2-----	Diethyl phthalate	94	U
7005-72-3-----	4-Chlorophenyl phenyl ether	94	U
86-73-7-----	Fluorene	72	DJ
100-01-6-----	4-Nitroaniline	240	U
534-52-1-----	4,6-Dinitro-2-methylphenol	240	U
86-30-6-----	N-nitrosodiphenylamine	94	U
101-55-3-----	4-Bromophenyl phenyl ether	94	U
118-74-1-----	Hexachlorobenzene	94	U
1912-24-9-----	Atrazine	94	U
87-86-5-----	Pentachlorophenol	240	U
85-01-8-----	Phenanthrene	59	DJ
120-12-7-----	Anthracene	14	DJ
86-74-8-----	Carbazole	4	DJ
84-74-2-----	Di-n-butyl phthalate	94	U
206-44-0-----	Fluoranthene	8	DJ
129-00-0-----	Pyrene	13	DJ
85-68-7-----	Butyl benzyl phthalate	94	U
91-94-1-----	3,3'-Dichlorobenzidine	94	U
56-55-3-----	Benzo(a) anthracene	94	U
218-01-9-----	Chrysene	94	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	94	U
117-84-0-----	Di-n-octyl phthalate	94	U
205-99-2-----	Benzo(b) fluoranthene	94	U
207-08-9-----	Benzo(k) fluoranthene	94	U
50-32-8-----	Benzo(a) pyrene	94	U
193-39-5-----	Indeno(1,2,3-cd) pyrene	94	U
53-70-3-----	Dibenzo(a,h) anthracene	94	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

159

Client No.

MW-27S DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304DL

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: Z54200/RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.

COMPOUND

191-24-2-----Benzo(ghi)perylene

94

U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

160

Client No.

MW-27S DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304DL

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: Z54200.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 9

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	7.86	23	J
2. 496-11-7	INDANE	8.65	380	JN
3.	UNKNOWN BENZENE DER.	10.56	24	J
4. 622-76-4	1-BUTYNYL BENZENE	10.66	36	JN
5. 95-15-8	BENZO [B] THIOPHENE	11.26	28	JN
6.	ETHYLNAPHTHALENE ISOMER	14.13	23	J
7.	DIMETHYLNAPHTHALENE ISOMER	14.48	61	J
8.	DIMETHYLNAPHTHALENE ISOMER	14.75	20	J
9.	UNKNOWN PAH DER.	17.00	140	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

16

Client No.

MW-28D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B70604

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54270.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	2	J
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	0.4	J
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	1	J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	0.4	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	0.7	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	0.6	J
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	5	J
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

162

Client No.

MW-28D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70604

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54270.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

83-32-9-----	Acenaphthene	4	J
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	0.9	J
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	0.3	J
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

163

Client No.

MW-28D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B70604

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54270.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----Benzo(ghi)perylene

10

YUJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

164

Client No.

MW-28D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70604

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54270.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2002 11/22/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 8

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 95-13-6	INDENE	8.80	5	JN
2.	ETHYLPHENOL ISOMER	10.36	2	J
3. 17059-52-8	7-METHYLBENZOFURAN	11.56	13	JN
4.	2,3-DIHYDRO-1H-INDEN-OL ISOM	11.83	10	J
5. 90-12-0	1-METHYLNAPHTHALENE	13.03	7	JN
6.	UNKNOWN	13.31	5	J
7.	UNKNOWN	15.50	4	J
8.	UNKNOWN	18.66	2	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

165

Client No.

MW-28S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56101

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54122.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

100-52-7-----	Benzaldehyde	10	YUJ
108-95-2-----	Phenol	4	J
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	2	J
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	2400 5400	EDJ
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	260 200	EDJ
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	54	J
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	110 150	EDJ
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

166

Client No.

MW-28S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56101

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54122.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9-----	Acenaphthene	70		J
51-28-5-----	2,4-Dinitrophenol	25		U
100-02-7-----	4-Nitrophenol	25		U
132-64-9-----	Dibenzofuran	5		J
121-14-2-----	2,4-Dinitrotoluene	10		U
84-66-2-----	Diethyl phthalate	10		U
7005-72-3-----	4-Chlorophenyl phenyl ether	10		U
86-73-7-----	Fluorene	47		J
100-01-6-----	4-Nitroaniline	25		U
534-52-1-----	4,6-Dinitro-2-methylphenol	25		U
86-30-6-----	N-nitrosodiphenylamine	10		U
101-55-3-----	4-Bromophenyl phenyl ether	10		U
118-74-1-----	Hexachlorobenzene	10		U
1912-24-9-----	Atrazine	10		U
87-86-5-----	Pentachlorophenol	25		U
85-01-8-----	Phenanthrene	51		J
120-12-7-----	Anthracene	9		J
86-74-8-----	Carbazole	7		J
84-74-2-----	Di-n-butyl phthalate	10		U
206-44-0-----	Fluoranthene	5		J
129-00-0-----	Pyrene	4		J
85-68-7-----	Butyl benzyl phthalate	10		U
91-94-1-----	3,3'-Dichlorobenzidine	10		U
56-55-3-----	Benzo (a) anthracene	0.3		J
218-01-9-----	Chrysene	10		U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10		U
117-84-0-----	Di-n-octyl phthalate	10	0.5	U
205-99-2-----	Benzo (b) fluoranthene	10		U
207-08-9-----	Benzo (k) fluoranthene	10		U
50-32-8-----	Benzo (a) pyrene	10		U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10		U
53-70-3-----	Dibenzo (a,h) anthracene	10		U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

167

Client No.

MW-28S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56101

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54122.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----Benzo(ghi)perylene

10

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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

168

Client No.

MW-28S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56101

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54122.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/23/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 14

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE ISOMER	7.45	24	J
2.	TRIMETHYLBENZENE ISOMER	7.56	14	J
3.	ETHENYLMETHYLBENZENE ISOMER	8.05	82	J
4.	TRIMETHYLBENZENE ISOMER	8.56	20	J
5.	ETHENYLMETHYLBENZENE ISOMER	8.63	11	J
6. 496-11-7	INDANE	8.81	96	JN
7. 95-13-6	INDENE	9.01	210	JN
8.	DIMETHYLNAPHTHALENE ISOMER	14.45	18	J
9.	DIMETHYLNAPHTHALENE ISOMER	14.65	15	J
10.	DIMETHYLNAPHTHALENE ISOMER	14.90	10	J
11.	UNKNOWN	17.13	49	J
12.	UNKNOWN PAH DER.	19.33	90	J
13. 81-84-5	1,8-NAPHTHALIC ANHYDRIDE	19.76	24	JN
14.	UNKNOWN PAH DER.	23.68	15	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

16

Client No.

MW-28S DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56101DL

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54202.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	1000	U
108-95-2	Phenol	1000	U
111-44-4	Bis(2-chloroethyl) ether	1000	U
95-57-8	2-Chlorophenol	1000	U
95-48-7	2-Methylphenol	1000	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1000	U
98-86-2	Acetophenone	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	N-Nitroso-Di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	Bis(2-chloroethoxy) methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
91-20-3	Naphthalene	5400	D
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
105-60-2	Caprolactam	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	200	DJ
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	Biphenyl	56	DJ
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	2500	U
131-11-3	Dimethyl phthalate	1000	U
208-96-8	Acenaphthylene	150	DJ
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	2500	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

170

Client No.

MW-28S DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56101DL

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54202.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	94	DJ
51-28-5-----	2,4-Dinitrophenol	2500	U
100-02-7-----	4-Nitrophenol	2500	U
132-64-9-----	Dibenzofuran	1000	U
121-14-2-----	2,4-Dinitrotoluene	1000	U
84-66-2-----	Diethyl phthalate	1000	U
7005-72-3-----	4-Chlorophenyl phenyl ether	1000	U
86-73-7-----	Fluorene	44	DJ
100-01-6-----	4-Nitroaniline	2500	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2500	U
86-30-6-----	N-nitrosodiphenylamine	1000	U
101-55-3-----	4-Bromophenyl phenyl ether	1000	U
118-74-1-----	Hexachlorobenzene	1000	U
1912-24-9-----	Atrazine	1000	U
87-86-5-----	Pentachlorophenol	2500	U
85-01-8-----	Phenanthrene	63	DJ
120-12-7-----	Anthracene	1000	U
86-74-8-----	Carbazole	1000	U
84-74-2-----	Di-n-butyl phthalate	1000	U
206-44-0-----	Fluoranthene	1000	U
129-00-0-----	Pyrene	1000	U
85-68-7-----	Butyl benzyl phthalate	1000	U
91-94-1-----	3,3'-Dichlorobenzidine	1000	U
56-55-3-----	Benzo (a) anthracene	1000	U
218-01-9-----	Chrysene	1000	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	1000	U
117-84-0-----	Di-n-octyl phthalate	1000	U
205-99-2-----	Benzo (b) fluoranthene	1000	U
207-08-9-----	Benzo (k) fluoranthene	1000	U
50-32-8-----	Benzo (a) pyrene	1000	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	1000	U
53-70-3-----	Dibenzo (a,h) anthracene	1000	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

171

Client No.

MW-28S DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56101DL

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54202.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----Benzo (ghi) perylene	1000	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

172

Client No.

MW-28S DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56101DL

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54202.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/26/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	INDANE	8.65	270	J
2. 95-13-6	INDENE	8.80	910	JN

PCB ANALYSES

Introduction

Analyses were performed according to USEPA SW-846 Method 8082 as referenced in NYSDEC-ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission. During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- C Identification confirmed by GC/MS.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding times for PCB analyses under NYSASP are 5 days from sample receipt to extraction and 40 days to analysis. The technical holding times for waters are 7 days from sample collection to extraction and 40 days to analysis.

All samples were extracted and analyzed with the specified holding time.

2. Blank Contamination

Quality assurance blanks (i.e., method, field, or rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure contamination of samples during field operations.

No Aroclors were detected in the method blanks.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed. The initial calibration was within the specified limit for all Aroclors.

4.2 Continuing Calibration

A maximum %D of 15 is allowed. All continuing calibration standards were within the specified limit.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

All surrogate recoveries were within control limits.

6. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns.

Aroclor 1260 was reported as present in sample DUP-3. An examination of the sample chromatograms, however, showed no Aroclor 1260 to be present. Data for this Aroclor has been qualified as undetected.

All other quantitated peaks fell within the appropriate retention time windows.

7. Matrix Spike/Matrix Spike Duplicate

Matrix spike and matrix spike duplicate data are used to assess the precision and accuracy of the analytical method independent of matrix interferences.

The matrix spike and matrix spike duplicate recoveries and relative percent difference between recoveries were within control limits.

8. Matrix Spike Blank

The matrix spike blank recovery was within control limits.

9. Field Duplicates

Results for duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-21R / DUP-3	Aroclor 1254	0.061J	0.056J	8.5%

The duplicate results are acceptable.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checklist

PCB Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Have any missing deliverables been received and added to the data package?	<u> </u>	<u> X </u>	<u> </u>
Is there a narrative or cover letter present?	<u> X </u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> X </u>	<u> </u>	<u> </u>
Are the sample chain-of-custodies present?	<u> X </u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>	<u> X </u>	<u> </u>
<u>Holding Times</u>			
Have any holding times been exceeded?	<u> </u>	<u> X </u>	<u> </u>
<u>Surrogate Recovery</u>			
Are the surrogate recovery forms present?	<u> X </u>	<u> </u>	<u> </u>
Are all samples listed on the surrogate recovery form?	<u> X </u>	<u> </u>	<u> </u>
Were recoveries of any surrogate outside control limits for any sample or blank?	<u> </u>	<u> X </u>	<u> </u>
If yes, were the samples reanalyzed?	<u> </u>	<u> </u>	<u> X </u>
Are there any transcription/calculation errors between the raw data and the summary form?	<u> </u>	<u> X </u>	<u> </u>
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> X </u>	<u> </u>	<u> </u>
Were matrix spikes analyzed at the required frequency?	<u> X </u>	<u> </u>	<u> </u>
How many spike recoveries were outside of QC limits?			
<u> 0 </u> out of <u> 2 </u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
<u> 0 </u> out of <u> 1 </u>			
<u>Blanks</u>			
Is a method blank summary form present?	<u> X </u>	<u> </u>	<u> </u>
Has a method blank been extracted for each set of samples or for each 20 samples, whichever is more frequent?	<u> X </u>	<u> </u>	<u> </u>
Do any method/instrument blanks have positive results?	<u> </u>	<u> X </u>	<u> </u>
Are field/rinse blanks associated with every sample?	<u> </u>	<u> X </u>	<u> </u>
Do any field/rinse blanks have positive results?	<u> </u>	<u> </u>	<u> X </u>

PCB Data Validation Checklist - Page 2

	YES	NO	NA
<u>Calibration and GC Performance</u>			
Are the following chromatograms and integration reports present?			
peak resolution check	<u> </u>	<u> X </u>	<u> </u>
Aroclor 1016/1260	<u> X </u>	<u> </u>	<u> </u>
Aroclors 1221, 1232, 1242, 1248, and 1254	<u> X </u>	<u> </u>	<u> </u>
is a calibration summary form present and complete for each analytical sequence?	<u> X </u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors between the raw data and the forms?	<u> </u>	<u> X </u>	<u> </u>
Are the initial calibration %RSD within acceptable limits for all analytes?	<u> X </u>	<u> </u>	<u> </u>
Is the resolution between any two adjacent peaks in the resolution check mixture > 60%?	<u> </u>	<u> </u>	<u> X </u>
Have all samples been injected within a 12 hour period beginning with the injection of a calibration standard?	<u> X </u>	<u> </u>	<u> </u>
Is a continuing calibration summary form present and complete for each continuing standard analyzed?	<u> X </u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors between the raw data and the form?	<u> </u>	<u> X </u>	<u> </u>
Are all continuing calibration standard %D within acceptable limits?	<u> X </u>	<u> </u>	<u> </u>
<u>Analytical Sequence</u>			
Is an analytical sequence summary form present and complete for each column and each period of analyses?	<u> X </u>	<u> </u>	<u> </u>
Was the proper analytical sequence followed?	<u> X </u>	<u> </u>	<u> </u>
<u>Cleanup Efficiency Verification</u>			
Are percent recoveries of the compounds used to check the efficiency of the cleanup procedure within QC limits?	<u> X </u>	<u> </u>	<u> </u>
<u>PCB Identification</u>			
Are RT of sample compounds within the established RT windows?	<u> X </u>	<u> </u>	<u> </u>
Were all positively identified compounds confirmed on a second column?	<u> </u>	<u> X </u>	<u> </u>
Was GC/MS confirmation provided when required?	<u> </u>	<u> </u>	<u> X </u>
Were there any false negatives?	<u> </u>	<u> X </u>	<u> </u>

PCB Data Validation Checklist - Page 3

	YES	NO	NA
<u>Compound Quantitation and Reported Detection Limits</u>			
Are there any transcription/calculation errors in the Form 1 results?	<u>X</u>	<u> </u>	<u> </u>
Are the reporting limits adjusted to reflect sample dilutions and, for soils, sample moisture?	<u>X</u>	<u> </u>	<u> </u>
<u>Chromatogram Quality</u>			
Were the baselines stable?	<u>X</u>	<u> </u>	<u> </u>
Were any electronegative displacement (negative peaks) or unusual peaks detected?	<u> </u>	<u>X</u>	<u> </u>
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u>X</u>	<u> </u>	<u> </u>

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Qualifiers:

D Surrogate diluted out

Recovery high

Recovery low

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PCB Calibration Summary

Instrument: HP5890-19

Column: A

Date	9/16/02	11/27/02	11/27/02	11/27/02	11/27/02	11/27/02		
Time	11/15/02	0750	0814	1644	2128	2325		
	Initial Cal.	Cont. Cal.	Cont. Cal.	Cont. Cal.	Cont. Cal.	Cont. Cal.		
	%RSD	%D	%D	%D	%D	%D		
Aroclor 1016	ok	ok		ok				
Aroclor 1221	ok							
Aroclor 1232	ok							
Aroclor 1242	ok							
Aroclor 1248	ok		ok			ok		
Aroclor 1254	ok				ok			
Aroclor 1260	ok	ok		ok				
Tetrachloro-m-xylene	ok							
Decachlorobiphenyl	ok							
Affected Samples:								

THE

Column: B

vmc3093

Corrected Sample Analysis Data Sheets

METHOD 8082 - POLYCHLORINATED BIPHENYLS
ANALYSIS DATA SHEET

173

Client No.

DUP-3

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70605

Sample wt/vol: 1050.00 (g/mL) ML

Lab File ID: SA09264.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 11/20/2002 11/22/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.

COMPOUND

11104-28-2----	Aroclor 1221	0.062	U
11141-16-5----	Aroclor 1232	0.062	U
53469-21-9----	Aroclor 1242	0.062	U
12672-29-6----	Aroclor 1248	0.062	U
11097-69-1----	Aroclor 1254	0.061	J
11096-82-5----	Aroclor 1260	0.062 0.049	JU

METHOD 8082 - POLYCHLORINATED BIPHENYLS
ANALYSIS DATA SHEET

17

Client No

MW-21R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70602

Sample wt/vol: 1000.00 (g/mL) ML

Lab File ID: SA09259.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 11/20/2002 11/22/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/26/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

11104-28-2----	Aroclor 1221	0.065	U
11141-16-5----	Aroclor 1232	0.065	U
53469-21-9----	Aroclor 1242	0.065	U
12672-29-6----	Aroclor 1248	0.065	U
11097-69-1----	Aroclor 1254	0.056	J
11096-82-5----	Aroclor 1260	0.065	U

INORGANIC ANALYSES

Introduction

Analyses were performed according to USEPA SW-846 methods.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

Concentration (C) qualifiers:

- U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
- B The reported value was obtained from a reading less than the contract required detection limit (CRDL) but greater than or equal to the instrument detection limit (IDL).

Quantitation (Q) qualifiers:

- E The reported value is estimated due to the presence of interference.
- M Duplicate injection precision not met.
- N Spiked sample recovery not within control limits.
- S Reported value was determined by the method of standard additions (MSA).
- W Post-digestion spike for Furnace-AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- * Duplicate analysis not within control limits.
- + Correlation coefficient for MSA is less than 0.995.

Validation qualifiers:

- J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
- UJ The analyte was not detected above the reported sample detection limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding times for inorganic analyses under NYSASP protocols is as follows. All holding times are measured from validated time of sample receipt (VTSR).

Metals (other than mercury)	180 days
Mercury	26 days
Cyanide	12 days

The technical holding times for inorganic analyses is as follows. Ali holding times are measured from date of collection.

Metals (other than mercury)	180 days
Mercury	28 days
Cyanide	14 days

All samples were analyzed within specified holding times.

2. Blank Contamination

Quality assurance blanks, i.e., method, field, or rinse blanks, are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks (including initial and continuing calibration blanks and preparation blanks) measure laboratory contamination. Field and rinse blanks measure contamination of samples during field operations.

All calibration and preparation blanks were found to be acceptable, with no analytes detected above the CRDL. Several analytes were, however, detected below the CRDL. Based on the blank contents data for the following samples and analytes have been qualified as undetected:

Cobalt:	MW-21D, MW-21Sr
Copper:	MW-6A, MW-14, MW-27D, MW-27S, MW-28S
Nickel:	MW-21Sr, MW-22S
Vanadium:	MW-6A, MW-21D, MW-22D, MW-25S, MW-22R, MW-28D
Zinc:	DUP-2, MW-22D, MW-24S, MW-27S

3. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the

beginning of an experimental sequence. The continuing calibration verifies that the instrument continuing performance is satisfactory.

3.1 Initial Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

3.2 Continuing Calibration

All continuing calibration verification standard recoveries were within control limits.

3.3 CRDL Standard

All CRDL standard recoveries were within control limits.

3.4 ICP Interference Control Sample

All ICS recoveries were acceptable.

4. Matrix Spike/Laboratory Duplicate

Matrix spike and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 Matrix spike

The matrix spike and matrix spike duplicate recoveries for cyanide were above control limits. Positive data for cyanide have been qualified as estimated based on the deviations. All other matrix spike and matrix spike duplicate recoveries and relative percent difference between recoveries were within control limits.

4.2 Laboratory Duplicate

All laboratory duplicate results were within control limits.

5. Field Duplicate

Results for duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-28S / DUP-2	aluminum	127B	121B	<CRDL
	antimony	ND	6.1B	<CRDL
	arsenic	8.7B	9.8B	<CRDL

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
	barium	52.2B	57.6B	<CRDL
	calcium	390000	415000	6.2%
	chromium	0.60U	0.68B	<CRDL
	cobalt	2.1	2.3B	<CRDL
	copper	0.62U	2.0B	<CRDL
	iron	3860	4130	3.8%
	magnesium	3400B	3670B	<CRDL
	manganese	113	120	6.0%
	mercury	0.053B	ND	<CRDL
	nickel	1.7	1.2B	<CRDL
	potassium	7070B	7090B	<CRDL
	sodium	106000	115000	8.1%
	vanadium	60.B	6.5B	<CRDL
	cyanide	576	316	58.2%

The duplicate results are acceptable.

6. Laboratory Control Sample (LCS)

All LCS recoveries were within control limits.

7. Serial Dilution

All required serial dilution results were acceptable with the exception of manganese. Data for manganese have been qualified as estimated in samples DUP-2, MW-14, MW-21D, MW-21Sr, MW-22D, MW-24S, MW-25S, MW-6A, MW-27D, MW-27S, MW-28D and MW-28S, based on the deviation.

8. Furnace QC

No furnace analyses were performed on the samples.

9. Method of Standard Additions (MSA)

No samples were analyzed following the method of standard additions.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist

Inorganic Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Is there a narrative or cover letter present?	<u>X</u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u>X</u>	<u> </u>	<u> </u>
Are the sample chain-of-custodies present?	<u>X</u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>	<u>X</u>	<u> </u>
<u>Form I to IX</u>			
Are all the Form I through Form IX labeled with:			
Laboratory name?	<u>X</u>	<u> </u>	<u> </u>
Sample No.?	<u>X</u>	<u> </u>	<u> </u>
SDG No.?	<u>X</u>	<u> </u>	<u> </u>
Correct units?	<u>X</u>	<u> </u>	<u> </u>
Matrix?	<u>X</u>	<u> </u>	<u> </u>
<u>Raw Data</u>			
Is the digestion log for flame AA/ICP present?	<u>X</u>	<u> </u>	<u> </u>
Is the digestion log for furnace AA present?	<u> </u>	<u> </u>	<u>X</u>
Is the distillation log for mercury present?	<u>X</u>	<u> </u>	<u> </u>
Is the distillation log for cyanides present?	<u>X</u>	<u> </u>	<u> </u>
Are pH values listed?	<u>X</u>	<u> </u>	<u> </u>
pH for metals analyses <2 (waters)?	<u>X</u>	<u> </u>	<u> </u>
pH for cyanide analyses >12 (waters)?	<u>X</u>	<u> </u>	<u> </u>
Percent solids calculation present for soils/sediments?	<u>X</u>	<u> </u>	<u> </u>
Are preparation dates present on sample preparation logs/bench sheets?	<u>X</u>	<u> </u>	<u> </u>
Are the measurement read out records present for:			
ICP	<u>X</u>	<u> </u>	<u> </u>
Flame AA	<u> </u>	<u> </u>	<u>X</u>
Furnace AA	<u> </u>	<u> </u>	<u>X</u>
Mercury	<u>X</u>	<u> </u>	<u> </u>
Cyanides	<u>X</u>	<u> </u>	<u> </u>
Is the data legible?	<u>X</u>	<u> </u>	<u> </u>
Is the data properly labeled?	<u>X</u>	<u> </u>	<u> </u>
<u>Holding Times</u>			
Were mercury analyses performed within 28 days?	<u>X</u>	<u> </u>	<u> </u>

Inorganic Data Validation Checklist - Page 2

	YES	NO	NA
Were cyanide distillations performed within 14 days?	<u>X</u>	<u> </u>	<u> </u>
Were other metal analysis performed within 6 months?	<u>X</u>	<u> </u>	<u> </u>
<u>Form I (Final Data)</u>			
Are all forms complete?	<u>X</u>	<u> </u>	<u> </u>
Are correct units indicated on Form I's?	<u>X</u>	<u> </u>	<u> </u>
Are soil sample results for each parameter corrected for percent solids?	<u>X</u>	<u> </u>	<u> </u>
Are all "less than IDL" values properly coded with "U"?	<u>X</u>	<u> </u>	<u> </u>
Are the correct concentration qualifiers used with final data?	<u>X</u>	<u> </u>	<u> </u>
Is a physical description of samples given on Form I's?	<u>X</u>	<u> </u>	<u> </u>
<u>Calibration</u>			
Is a record of at least 2 point calibration present for ICP analysis?	<u>X</u>	<u> </u>	<u> </u>
Is a record of 5 point calibration present for Hg analysis?	<u>X</u>	<u> </u>	<u> </u>
Is a record of 4 point calibration present for:			
Flame AA?	<u> </u>	<u> </u>	<u>X</u>
Furnace AA?	<u> </u>	<u> </u>	<u>X</u>
Cyanides?	<u>X</u>	<u> </u>	<u> </u>
Is one calibration standard at the CRDL level for all AA (except Hg) and cyanides analyses?	<u>X</u>	<u> </u>	<u> </u>
Is correlation coefficient less than .995 for:			
Mercury Analysis?	<u> </u>	<u>X</u>	<u> </u>
Cyanide Analysis?	<u> </u>	<u>X</u>	<u> </u>
Atomic Absorption Analysis?	<u> </u>	<u> </u>	<u>X</u>
<u>Form II A (Initial and Continuing Calibration Verification)</u>			
Present and complete for all analytes?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration standards (initial and continuing) within control limits for:			
Metals (90-110%)?	<u>X</u>	<u> </u>	<u> </u>
Hg (80-120%)?	<u>X</u>	<u> </u>	<u> </u>
Cyanides (85-115%)?	<u>X</u>	<u> </u>	<u> </u>
Was continuing calibration performed every 10 samples or every 2 hours?	<u>X</u>	<u> </u>	<u> </u>

Inorganic Data Validation Checklist - Page 3

	YES	NO	NA
Was the ICV for cyanides distilled?	<u>X</u>	<u> </u>	<u> </u>
<u>Form II B (CRDL Standards for AA and ICP)</u>			
Was a CRDL standard (CRA) analyzed after initial calibration for all AA metals (except Hg)?	<u> </u>	<u> </u>	<u>X</u>
Was a mid-range calibration verification standard distilled and analyzed for cyanide analysis?	<u>X</u>	<u> </u>	<u> </u>
Was a 2xCRDL (or 2xIDL when IDL>CRDL) standard (CRI) analyzed for each ICP run?	<u>X</u>	<u> </u>	<u> </u>
Was CRI analyzed after the ICV/ICB and before the final CCV/CCB, and twice every eight hours for each ICP run?	<u>X</u>	<u> </u>	<u> </u>
Are CRA and CRI standards within control limits for metals (60-140%)?	<u>X</u>	<u> </u>	<u> </u>
Is mid-range standard within control limits for cyanide (80-120%)	<u>X</u>	<u> </u>	<u> </u>
<u>Form III (Initial and Continuing Calibration Blanks)</u>			
Present and complete?	<u>X</u>	<u> </u>	<u> </u>
Was an initial calibration blank analyzed?	<u>X</u>	<u> </u>	<u> </u>
Was a continuing calibration blank analyzed after every 10 samples or every 2 hours (which ever is more frequent)?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration blanks (when IDL<CRDL) less than or equal to the Contract Required Detection Limits (CRDLs)?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration blanks less than two times Instrument Detection Limit (when IDL>CRDL)?	<u> </u>	<u> </u>	<u>X</u>
<u>Form III (Preparation Blank)</u>			
Was one prep. blank analyzed for:			
each Sample Delivery Group SDG)?	<u>X</u>	<u> </u>	<u> </u>
each batch of digested samples?	<u>X</u>	<u> </u>	<u> </u>
each matrix type?	<u>X</u>	<u> </u>	<u> </u>
Is concentration of prep. blank value less than the CRDL (when IDL≤CRDL)?	<u>X</u>	<u> </u>	<u> </u>
If no, is the concentration of the sample with the least concentrated analyte less than 10 times the prep. blank?	<u> </u>	<u> </u>	<u>X</u>
Is concentration of prep. blank value less than two times IDL (when IDL>CRDL)?	<u> </u>	<u> </u>	<u>X</u>

Inorganic Data Validation Checklist - Page 4

	YES	NO	NA
Is concentration of prep. blank below the negative CRDL?	_____	<u>X</u>	_____
<u>Form IV (ICP Interference Check Sample)</u>			
Present and complete?	<u>X</u>	_____	_____
Was ICS analyzed at beginning and end of run (or at least twice every 8 hours)?	<u>X</u>	_____	_____
Are all ICS results inside the control limits ($\pm 20\%$)?	<u>X</u>	_____	_____
If no, is concentration of Al, Ca, Fe, or Mg lower than the respective concentration in ICS?	_____	_____	<u>X</u>
<u>Form V A (Spiked Sample Recovery - Pre-Digestion/Pre-Distillation)</u>			
Present and complete for:			
each SDG?	<u>X</u>	_____	_____
each matrix type?	<u>X</u>	_____	_____
Was field blank used for spiked sample?	_____	<u>X</u>	_____
Are all recoveries for analytes with sample concentrations less than four times the spike concentration within control limits (75-125)?	_____	<u>X</u>	_____
Are results outside the control limits (75-125%) flagged with "N" on Form I's and Form VA?	_____	<u>X</u>	_____
<u>Aqueous</u>			
Are any spike recoveries:			
less than 30%?	_____	<u>X</u>	_____
between 30-74%?	_____	<u>X</u>	_____
between 126-150%?	_____	<u>X</u>	_____
greater than 150%?	<u>X</u>	_____	_____
<u>Soil/Sediment</u>			
Are any spike recoveries:			
less than 10%?	_____	_____	<u>X</u>
between 10-74%?	_____	_____	<u>X</u>
between 126-200%?	_____	_____	<u>X</u>
greater than 200%?	_____	_____	<u>X</u>
<u>Form VI (Lab Duplicates)</u>			
Present and complete for:			
each SDG?	<u>X</u>	_____	_____
each matrix type?	<u>X</u>	_____	_____

Inorganic Data Validation Checklist - Page 5

	YES	NO	NA
Was field blank used for duplicate analysis?	<u> </u>	<u> X </u>	<u> </u>
Are all values within control limits (RPD 20% or difference $\leq \pm$ CRDL)?	<u> X </u>	<u> </u>	<u> </u>
If no, are all results outside the control limits flagged with an * on Form I's and VI?	<u> </u>	<u> </u>	<u> X </u>
<u>Aqueous</u>			
Is any RPD greater than 20% where sample and duplicate are both greater than or equal to 5 times CRDL?	<u> </u>	<u> X </u>	<u> </u>
Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?	<u> </u>	<u> X </u>	<u> </u>
<u>Soil/Sediment</u>			
Is any RPD (where sample and duplicate are both greater than or equal to 5 times CRDL) > 100%?	<u> </u>	<u> </u>	<u> X </u>
Is any difference between sample and duplicate (where sample and/or duplicate is less than 5xCRDL) > 2xCRDL?	<u> </u>	<u> </u>	<u> X </u>
<u>Field Duplicates</u>			
Were field duplicates analyzed?	<u> X </u>	<u> </u>	<u> </u>
<u>Aqueous</u>			
is any RPD greater than 50% where sample and duplicate are both greater than or equal to 5 times CRDL?	<u> </u>	<u> X </u>	<u> </u>
Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?	<u> </u>	<u> X </u>	<u> </u>
<u>Soil/Sediment</u>			
Is any RPD (where sample and duplicate are both greater than 5 times CRDL) > 100%?	<u> </u>	<u> </u>	<u> X </u>
Is any difference between sample and duplicate (where sample and/or duplicate is less than 5x CRDL) > 2xCRDL?	<u> </u>	<u> </u>	<u> X </u>
<u>Form VII (Laboratory Control Sample)</u>			
Was one LCS prepared and analyzed for:			
each SDG?	<u> X </u>	<u> </u>	<u> </u>
each batch samples digested/distilled?	<u> X </u>	<u> </u>	<u> </u>

Inorganic Data Validation Checklist - Page 6

	YES	NO	NA
<u>Aqueous LCS</u>			
Is any LCS recovery:			
less than 50%?	_____	<u>X</u>	_____
between 50% and 79%?	_____	<u>X</u>	_____
between 121% and 150%?	_____	<u>X</u>	_____
greater than 150%?	_____	<u>X</u>	_____
<u>Solid LCS</u>			
Is LCS "Found" value higher than the control limits?	_____	_____	<u>X</u>
Is LCS "Found" lower than the control limits?	_____	_____	<u>X</u>
<u>Form IX (ICP Serial Dilution)</u>			
Was Serial Dilution analysis performed for:			
each SDG?	<u>X</u>	_____	_____
each matrix type?	<u>X</u>	_____	_____
Was field blank(s) used for Serial Dilution Analysis?	_____	<u>X</u>	_____
Are results outside control limit flagged with an "E" on Form I's and Form IX when initial concentration on Form IX is equal to 50 times IDL or greater.	<u>X</u>	_____	_____
Are any required % difference values:			
> 10%?	<u>X</u>	_____	_____
≥ 100%?	_____	<u>X</u>	_____
<u>Furnace Atomic Absorption (AA) QC Analysis</u>			
Are duplicate injections present in furnace raw data (except during full Method of Standard Addition) for each sample analyzed by GFAA?	_____	_____	<u>X</u>
Do the duplicate injection readings agree within 20% Relative Standard Deviation (RSD) or coefficient of Variation (CV) for concentrations greater than CRDL?	_____	_____	<u>X</u>
Were dilutions analyzed for samples with analytical spike recovery less than 40%?	_____	_____	<u>X</u>
Is analytical spike recovery outside the control limits (85-115%) for any sample?	_____	_____	<u>X</u>
<u>Form VIII (Method of Standard Addition Results)</u>			
Present?	_____	<u>X</u>	_____
If no, is any Form I result coded with "S" or "+"?	_____	<u>X</u>	_____
Was MSA required for any sample but not performed?	_____	<u>X</u>	_____

Inorganic Data Validation Checklist - Page 7

	YES	NO	NA
Is the coefficient of correlation for MSA less than 0.995 for any sample?	_____	_____	<u>X</u>
Is the coefficient of correlation for MSA less than 0.990 for any sample?	_____	_____	<u>X</u>
Was proper quantitation procedure followed?	_____	_____	<u>X</u>
<u>Dissolved/Total for Inorganic/Total Analytes</u>			
Were any analyses performed for dissolved as well as total analytes on the same sample.	_____	<u>X</u>	_____
Is the concentration of any dissolved analyte greater than its total concentration by more than 10%? (if greater than CRDL)	_____	_____	<u>X</u>
Is the concentration of any dissolved analyte greater than its total concentration by more than 50%?	_____	_____	<u>X</u>
<u>Field Blank</u>			
Is the field blank concentration less than CRDL (or 2xIDL when IDL>CRDL) for all analytes?	_____	<u>X</u>	_____
If no, was field blank value already rejected due to other QC criteria?	_____	_____	<u>X</u>
<u>Form X, XI, XII (Verification of Instrumental Parameters)</u>			
Is verification report present for :			
Instrument Detection Limits (quarterly)?	<u>X</u>	_____	_____
ICP Interelement Correlation Factors (annually)?	<u>X</u>	_____	_____
ICP Linear Ranges (quarterly)?	<u>X</u>	_____	_____
Is IDL greater than CRDL for any analyte?	_____	<u>X</u>	_____
If yes, are the concentrations of the samples analyzed on the instrument whose IDL exceeds CRDL, greater than 5xIDL.	_____	_____	<u>X</u>
Was any sample result higher than the linear range of ICP.	_____	<u>X</u>	_____
Was any sample result higher than the highest calibration standard for non-ICP parameters?	_____	<u>X</u>	_____
If yes for any of the above, was the sample diluted to obtain the result on Form I?	_____	_____	<u>X</u>
<u>Percent Solids</u>			
Are the percent solids in soil/sediment(s):			
< 50%?	_____	_____	<u>X</u>
< 10%?	_____	_____	<u>X</u>

Corrected Sample Analysis Data Sheets

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUP-2

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240078

Level (low/med): LOW

Date Received: 11/20/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	121	B		P
7440-36-0	Antimony	6.1	B		P
7440-38-2	Arsenic	9.8	B		P
7440-39-3	Barium	57.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	415000			P
7440-47-3	Chromium	0.68	B		P
7440-48-4	Cobalt	2.3	B		P
7440-50-8	Copper	2.0	B		P
7439-89-6	Iron	4130			P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	3670	B		P
7439-96-5	Manganese	120			P
7440-02-0	Nickel	1.2	B		P
7440-09-7	Potassium	7090	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.035	U		CV
7440-23-5	Sodium	115000			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	6.5	B		P
7440-66-6	Zinc	4.7	B	U	P

Color Before: YELLOW

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-6A

Contract: NY02-153

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD241563

Level (low/med): LOW

Date Received: 11/22/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1270			P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	16.7			P
7440-39-3	Barium	514			P
7440-41-7	Beryllium	0.80	U		P
7440-43-9	Cadmium	0.90	U		P
7440-70-2	Calcium	198000			P
7440-47-3	Chromium	2.5	B		P
7440-48-4	Cobalt	2.7	B		P
7440-50-8	Copper	2.1	B	U	P
7439-89-6	Iron	45500			P
7439-92-1	Lead	5.6			P
7439-95-4	Magnesium	34700			P
7439-96-5	Manganese	2770		J	P
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	8760	B		P
7782-49-2	Selenium	5.0	U		P
7439-97-6	Mercury	0.035	U		CV
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	207000			P
7440-28-0	Thallium	7.0	U		P
7440-62-2	Vanadium	2.0	B	U	P
7440-66-6	Zinc	22.9			P

Color Before: GRAY

Clarity Before: CLOUDY

Texture: LIGHT

Color After: GRAY

Clarity After: CLOUDY

Artifacts: _____

Comments: _____

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-14

Contract: NY02-153

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240067

Level (low/med): LOW

Date Received: 11/19/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	28.5			P
7440-39-3	Barium	1300			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	199000			P
7440-47-3	Chromium	1.5	B		P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	1.7	B	U	P
7439-89-6	Iron	6710			P
7439-92-1	Lead	3.3			P
7439-95-4	Magnesium	40700			P
7439-96-5	Manganese	6720		B	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	9200	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.035	U		CV
7440-23-5	Sodium	330000			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.94	B		P
7440-66-6	Zinc	4.1	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-21D

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240075

Level (low/med): LOW

Date Received: 11/20/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	1100			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	240000			P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	1.2	B	U	P
7440-50-8	Copper	0.70	B		P
7439-89-6	Iron	20700			P
7439-92-1	Lead	3.0			P
7439-95-4	Magnesium	54200			P
7439-96-5	Manganese	4830		U	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	7730	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.54	B		P
7439-97-6	Mercury	0.035	U		CV
7440-23-5	Sodium	248000			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.73	B	U	P
7440-66-6	Zinc	8.0	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-21R

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD241562

Level (low/med): LOW

Date Received: 11/22/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	53.4	B		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	532			P
7440-41-7	Beryllium	0.80	U		P
7440-43-9	Cadmium	0.90	U		P
7440-70-2	Calcium	1680	B		P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	1.0	U		P
7439-89-6	Iron	146			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	213	B		P
7439-96-5	Manganese	13.1	B		P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	3070	B		P
7782-49-2	Selenium	5.0	U		P
7439-97-6	Mercury	0.035	U		CV
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	231000			P
7440-28-0	Thallium	7.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	2.2	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-21Sr

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240074

Level (low/med): LOW

Date Received: 11/20/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	174	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	157000			P
7440-47-3	Chromium	0.69	B		P
7440-48-4	Cobalt	0.83	B	U	P
7440-50-8	Copper	2.2	B		P
7439-89-6	Iron	147			P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	27000			P
7439-96-5	Manganese	2070		EJ	P
7440-02-0	Nickel	1.4	B	U	P
7440-09-7	Potassium	4630	B	B	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.035	U		CV
7440-23-5	Sodium	40300			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	18.6	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-22D

Contract: NY02-153

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240077

Level (low/med): LOW

Date Received: 11/20/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	54.0	B		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	5000			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	191000			P
7440-47-3	Chromium	1.4	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	965			P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	54800			P
7439-96-5	Manganese	3260			P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	3930	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.035	U		CV
7440-23-5	Sodium	36900			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.79	B		P
7440-66-6	Zinc	5.2	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-22R

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD241561

Level (low/med): LOW

Date Received: 11/22/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	174	B		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	255			P
7440-41-7	Beryllium	0.80	U		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	39000			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	5.9	B		P
7439-89-6	Iron	201			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	1810	B		P
7439-96-5	Manganese	11.5	B		P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	13600			P
7782-49-2	Selenium	5.0	U		P
7439-97-6	Mercury	0.035	U		CV
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	46100			P
7440-28-0	Thallium	7.0	U		P
7440-62-2	Vanadium	1.9	B	U	P
7440-66-6	Zinc	8.5	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-22S

Contract: NY02-153

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240073

Level (low/med): LOW

Date Received: 11/20/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	88.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.35	B		P
7440-70-2	Calcium	211000			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	3.6	B		P
7439-89-6	Iron	13.9	U		P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	24300			P
7439-96-5	Manganese	18.2		X	P
7440-02-0	Nickel	2.5	B	U	P
7440-09-7	Potassium	9120			P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.035	U		CV
7440-23-5	Sodium	9680			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	44.4			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

BLASLAND BOUCK & LEE, INC.
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-24S

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240065

Level (low/med): LOW

Date Received: 11/19/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	276			P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.1	B		P
7440-39-3	Barium	1770			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	209000			P
7440-47-3	Chromium	1.8	B		P
7440-48-4	Cobalt	0.98	B		P
7440-50-8	Copper	1.8	B		P
7439-89-6	Iron	14000			P
7439-92-1	Lead	4.2			P
7439-95-4	Magnesium	43100			P
7439-96-5	Manganese	5190		ES	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	9440	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.035	U		CV
7440-23-5	Sodium	254000			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	1.5	B		P
7440-66-6	Zinc	6.0	B	U	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-25S

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240076

Level (low/med): LOW

Date Received: 11/20/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	128	B		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	193	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	62300			P
7440-47-3	Chromium	1.1	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	2.4	B		P
7439-89-6	Iron	226			P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	7160			P
7439-96-5	Manganese	535		ES	P
7440-02-0	Nickel	1.0	B		P
7440-09-7	Potassium	1820	B		P
7782-49-2	Selenium	4.6	B		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.042	B		CV
7440-23-5	Sodium	298000			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	1.5	B	U	P
7440-66-6	Zinc	17.7	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-26S

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240066

Level (low/med): LOW

Date Received: 11/19/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	136	B		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	65.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	52600			P
7440-47-3	Chromium	1.9	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	14.9	B		P
7439-89-6	Iron	127			P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	8490			P
7439-96-5	Manganese	3.4	B		P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	2100	B		P
7782-49-2	Selenium	5.2			P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.035	U		CV
7440-23-5	Sodium	124000			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.93	B		P
7440-66-6	Zinc	19.5	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-27D

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG No.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240069

Level (low/med): LOW

Date Received: 11/19/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	12.5			P
7440-39-3	Barium	584			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	181000			P
7440-47-3	Chromium	1.6	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	1.2	B	U	P
7439-89-6	Iron	44800			P
7439-92-1	Lead	8.1			P
7439-95-4	Magnesium	36700			P
7439-96-5	Manganese	12500		B	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	14600	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.035	U		CV
7440-23-5	Sodium	245000			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	13.8	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-27S

Contract: NY02-153

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240068

Level (low/med): LOW

Date Received: 11/19/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	262			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	156000			P
7440-47-3	Chromium	5.1	B		P
7440-48-4	Cobalt	1.1	B		P
7440-50-8	Copper	1.6	B	U	P
7439-89-6	Iron	15800			P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	17000			P
7439-96-5	Manganese	509	B	U	P
7440-02-0	Nickel	3.8	B		P
7440-09-7	Potassium	9170	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.035	U		CV
7440-23-5	Sodium	184000			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	1.7	B		P
7440-66-6	Zinc	5.7	B	U	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-28D

Contract: NY02-153

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: MW24SMatrix (soil/water): WATERLab Sample ID: AD241564Level (low/med): LOWDate Received: 11/22/02Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	96.0	B		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	7910			P
7440-41-7	Beryllium	0.80	U		P
7440-43-9	Cadmium	0.90	U		P
7440-70-2	Calcium	189000			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	1.0	U		P
7439-89-6	Iron	482			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	35400			P
7439-96-5	Manganese	668		J	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	9660	B		P
7782-49-2	Selenium	5.0	U		P
7439-97-6	Mercury	0.035	U		CV
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	330000			P
7440-28-0	Thallium	7.0	U		P
7440-62-2	Vanadium	1.3	B	U	P
7440-66-6	Zinc	1.9	B		P

Color Before: COLORLESSClarity Before: CLEARTexture: NONEColor After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-28S

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: MW24S

Matrix (soil/water): WATER

Lab Sample ID: AD240070

Level (low/med): LOW

Date Received: 11/20/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	127	B		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	8.7	B		P
7440-39-3	Barium	52.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	390000			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	0.62	B	U	P
7439-89-6	Iron	3860			P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	3400	B		P
7439-96-5	Manganese	113		ES	P
7440-02-0	Nickel	1.7	B	XB	P
7440-09-7	Potassium	7070	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.053	B		CV
7440-23-5	Sodium	106000			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	6.0	B		P
7440-66-6	Zinc	4.1	U		P

Color Before: YELLOW

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Wet Chemistry Analysis

191

Client Sample No.

DUP-2

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B56108% Solids: 0.0Date Samp/Recv: 11/19/2002 11/20/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total _____	UG/L	576		J		9012	11/25/2002

Comments:

Wet Chemistry Analysis

19

Client Sample No.

MW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B52303% Solids: 0.0Date Samp/Recv: 11/18/2002 11/19/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	200		J		9012	11/25/200

Comments:

Wet Chemistry Analysis

193

Client Sample No.

MW-21R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B70602% Solids: 0.0Date Samp/Recv: 11/20/2002 11/22/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	66.5		J		9012	11/25/2002

Comments:

Wet Chemistry Analysis

194

Client Sample No.

MW-22D

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B56107% Solids: 0.0Date Samp/Recv: 11/19/2002 11/20/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	10	U			9012	11/22/200

Comments:

Wet Chemistry Analysis

195

Client Sample No.

MW-22R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B70601% Solids: 0.0Date Samp/Recv: 11/20/2002 11/22/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	10	U			9012	11/25/2002

Comments:

Wet Chemistry Analysis

190

Client Sample No.

MW-22S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B56102% Solids: 0.0Date Samp/Recv: 11/19/2002 11/20/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	10	U			9012	11/22/200

Comments:

Wet Chemistry Analysis

197

Client Sample No.

MW-21D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B56104% Solids: 0.0Date Samp/Recv: 11/19/2002 11/20/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	95.4		J		9012	11/22/2002

Comments:

Wet Chemistry Analysis

198

Client Sample No.

MW-21Sr

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B56103% Solids: 0.0Date Samp/Recv: 11/19/2002 11/20/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	11.6		J		9012	11/22/200

Comments:

Wet Chemistry Analysis

199

Client Sample No.

MW-24S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B52301% Solids: 0.0Date Samp/Recv: 11/18/2002 11/19/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	69.6		J		9012	11/25/2002

Comments:

Wet Chemistry Analysis

200

Client Sample No.

MW-25S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B56106% Solids: 0.0Date Samp/Recv: 11/19/2002 11/20/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	44.1		J		9012	11/22/200

Comments:

Wet Chemistry Analysis

201

Client Sample No.

MW-26S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B52302% Solids: 0.0Date Samp/Recv: 11/18/2002 11/19/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total _____	UG/L	10	U			9012	11/25/2002

Comments:

Wet Chemistry Analysis

201

Client Sample No.

MW-27D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B52305% Solids: 0.0Date Samp/Recv: 11/18/2002 11/19/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	25.2		J		9012	11/25/200

Comments:

Wet Chemistry Analysis

203

Client Sample No.

MW-27S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B52304% Solids: 0.0Date Samp/Recv: 11/18/2002 11/19/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total _____	UG/L	180		J		9012	11/25/2002

Comments:

Wet Chemistry Analysis

204

Client Sample No.

MW-28D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B70604% Solids: 0.0Date Samp/Recv: 11/21/2002 11/22/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	114		J		9012	11/25/20

Comments:

Wet Chemistry Analysis

205

Client Sample No.

MW-28S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B56101% Solids: 0.0Date Samp/Recv: 11/19/2002 11/20/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	316		J		9012	11/25/2002

Comments:

Wet Chemistry Analysis

206

Client Sample No.

MW-6A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24SMatrix (soil/water): WATERLab Sample ID: A2B70603% Solids: 0.0Date Samp/Recv: 11/20/2002 11/22/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	418		J		9012	11/25/2002

Comments:

Laboratory Narrative

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED		RECEIVED	
		DATE	TIME	DATE	TIME
A2B56108	DUP-2	11/19/2002		11/20/2002	08:45
A2B70605	DUP-3	11/20/2002		11/22/2002	09:45
A2B52303	MW-14	11/18/2002	14:45	11/19/2002	09:00
A2B56105	MW-18S	11/19/2002	12:10	11/20/2002	08:45
A2B56104	MW-21D	11/19/2002	14:10	11/20/2002	08:45
A2B70602	MW-21R	11/20/2002	11:00	11/22/2002	09:45
A2B70602MS	MW-21R MS	11/20/2002	11:00	11/22/2002	09:45
A2B70602SD	MW-21R SD	11/20/2002	11:00	11/22/2002	09:45
A2B56103	MW-21Sr	11/19/2002	11:30	11/20/2002	08:45
A2B56107	MW-22D	11/19/2002	16:30	11/20/2002	08:45
A2B70601	MW-22R	11/20/2002	09:20	11/22/2002	09:45
A2B56102	MW-22S	11/19/2002	14:50	11/20/2002	08:45
A2B52301	MW-24S	11/18/2002	14:55	11/19/2002	09:00
A2B56106	MW-25S	11/19/2002	09:15	11/20/2002	08:45
A2B52302	MW-26S	11/18/2002	11:35	11/19/2002	09:00
A2B52305	MW-27D	11/18/2002	11:15	11/19/2002	09:00
A2B52304	MW-27S	11/18/2002	13:00	11/19/2002	09:00
A2B70604	MW-28D	11/21/2002	09:15	11/22/2002	09:45
A2B56101	MW-28S	11/19/2002	08:30	11/20/2002	08:45
A2B56101MS	MW-28S MS	11/19/2002	08:30	11/20/2002	08:45
A2B56101SD	MW-28S SD	11/19/2002	08:30	11/20/2002	08:45
A2B70603	MW-6A	11/20/2002	17:40	11/22/2002	09:45
A2B52306	TRIP BLANK	11/18/2002		11/19/2002	09:00
A2B56109	TRIP BLANK	11/19/2002		11/20/2002	08:45
A2B70606	TRIP BLANK	11/20/2002		11/22/2002	09:45

METHODS SUMMARY

Job#: A02-B523, A02-B561, A02-B706

STL Project#: NY2A8989

SDG#: MW24S

Site Name: Blasland Bouck & Lee, Inc.

PARAMETER	ANALYTICAL METHOD	
EPA ASP 2000 - METHOD 8260 VOLATILES	ASP00	8260/5ML
ASP 2000 - METHOD 8270 SEMIVOLATILES	ASP00	8270
METHOD 8082 - POLYCHLORINATED BIPHENYLS	SW8463	8082LOW
Aluminum - Total	ASP00	6010
Antimony - Total	ASP00	6010
Arsenic - Total	ASP00	6010
Barium - Total	ASP00	6010
Beryllium - Total	ASP00	6010
Cadmium - Total	ASP00	6010
Calcium - Total	ASP00	6010
Chromium - Total	ASP00	6010
Cobalt - Total	ASP00	6010
Copper - Total	ASP00	6010
Iron - Total	ASP00	6010
Lead - Total	ASP00	6010
Magnesium - Total	ASP00	6010
Manganese - Total	ASP00	6010
Mercury - Total	ASP00	7470
Nickel - Total	ASP00	6010
Potassium - Total	ASP00	6010
Selenium - Total	ASP00	6010
Silver - Total	ASP00	6010
Sodium - Total	ASP00	6010
Thallium - Total	ASP00	6010
Vanadium - Total	ASP00	6010
Zinc - Total	ASP00	6010
Cyanide - Total	ASP00	9012

References:

- ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.
- SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A02-B523, A02-B561, A02-B706STL Project#: NY2A8989SDG#: MW24SSite Name: Blasland Bouck & Lee, Inc.General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A02-B523

Sample Cooler(s) were received at the following temperature(s); 2 °C
All samples were received in good condition.

A02-B561

Sample Cooler(s) were received at the following temperature(s); 2@4 1@6 °C
SAMPLE POINT MW-18S IS VOLUME REPLACEMENT FOR JOB A02-B357.

A02-B706

Sample Cooler(s) were received at the following temperature(s); 2 @ 6 °C
All samples were received in good condition.

GC/MS Volatile Data

The analyte 1,2,4-Trichlorobenzene was detected in Method Blanks VBLK07 and VBLK08 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

All samples were preserved to a PH less than 2.

Initial calibration standard curve A2I0001197-1 exhibited the %RSD of Carbon Tetrachloride as greater than 20.5%. ASP00 protocol allows for the %RSD of up to two analytes to exceed quality control limits. As a result no corrective action was required.

Continuing calibration standard A2C0006574-1 exhibited the % Difference of Bromomethane as greater than 25%. ASP00 protocol allows for the % Difference of up to two analytes to exceed quality control limits. As a result no corrective action was required.

Continuing calibration standard A2C0006584-1 exhibited the % Difference of Bromomethane as greater than 25%. ASP00 protocol allows for the % Difference of up to two analytes to exceed quality control limits. As a result no corrective action was required.

Continuing calibration standard A2C0006595-1 exhibited the % Difference of Bromomethane as greater than 25%. ASP00 protocol allows for the % Difference of up to two analytes to exceed quality control limits. As a result no corrective action was required.

Continuing calibration standard A2C0006718-1 exhibited the % Difference of Bromomethane as greater than 25%. ASP00 protocol allows for the % Difference of up to two analytes to exceed quality control limits. As a result no corrective action was required.

GC/MS Semivolatile Data

The analyte Di-n-octyl phthalate was detected in the Method Blank A2B1184602 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analyte Di-n-octyl phthalate was detected in the Method Blank A2B1205502 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The spike recovery for 2,4-Dinitrotoluene was above the method defined quality control limits in the Matrix Spike Blank A2B1205502. Since the result was biased high and the analyte was not detected in the samples, no corrective action was necessary.

The spike recovery for 4-Chloro-3-methylphenol and Pentachlorophenol were above the method defined quality control limits in the Matrix Spike MW-28S MS. The spike recovery for 4-Chloro-3-methylphenol was above and Acenaphthene was below the method defined quality control limits in the Matrix Spike MW-28S SD. The Matrix Spike Blank was compliant. No corrective action was necessary.

The relative percent difference between the Matrix Spike MW-28S MS and the Matrix Spike duplicate MW-28S SD exceeded quality control limits for Acenaphthene. However, all individual analyte recoveries were compliant.

The spike recovery for 4-Chloro-3-methylphenol was above the method defined quality control limits in the Matrix Spike MW-22R MS. No corrective action was necessary.

The surrogate recoveries for 2-Fluorophenyl and Phenol-d5 were diluted out of sample MW-27D DL.

All surrogate recoveries for samples MW-28S DL and DUP-2 DL were diluted out.

The internal standard recovery for Naphthalene-d8 was below the method defined quality control limits in sample MW-28S MS due to sample matrix. This internal standard was barely compliant in the base sample MW-28S and the Matrix Spike MW-28S SD. No corrective action was performed.

GC Extractable Data

Sample MW-21R analyzed for method 8082 exhibits the presence of Aroclors 1254 and 1260 at low concentrations. The concentration of Aroclor 1260 is below the reportable limit for the analysis and is reported as "non detected". The Aroclor 1260 concentrations reported for the associated matrix spike and matrix spike duplicate of this sample are elevated due to the presence of the Aroclor 1254 spike and are artificially biased high.

Metals Data

The following elements are not contained in the CLP spiking solution for samples MW-28S MS and MW-28S SD: Calcium, Magnesium, Potassium, and Sodium.

Wet Chemistry Data

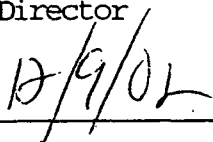
The matrix spike and matrix spike duplicate on sample MW-28S for Cyanide analysis were outside of the recommended QC limits, however, all other QC were compliant.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package and electronic deliverable has been authorized by the Laboratory Director or her designee, as verified by the following signature."



Susan L. Mazur
Laboratory Director



Date

NYSDEC Sample Preparation and Analysis Summary Sheets

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	WATER QUALITY
DUP-2	A2B56108	ASP00	ASP00	-	-	ASP00	-
DUP-3	A2B70605	-	-	-	SW8463	-	-
MW-14	A2B52303	ASP00	ASP00	-	-	ASP00	-
MW-18S	A2B56105	-	ASP00	-	-	-	-
MW-21D	A2B56104	ASP00	ASP00	-	-	ASP00	-
MW-21R	A2B70602	ASP00	ASP00	-	SW8463	ASP00	-
MW-21Sr	A2B56103	ASP00	ASP00	-	-	ASP00	-
MW-22D	A2B56107	ASP00	ASP00	-	-	ASP00	-
MW-22R	A2B70601	ASP00	ASP00	-	-	ASP00	-
MW-22S	A2B56102	ASP00	ASP00	-	-	ASP00	-
MW-24S	A2B52301	ASP00	ASP00	-	-	ASP00	-
MW-25S	A2B56106	ASP00	ASP00	-	-	ASP00	-
MW-26S	A2B52302	ASP00	ASP00	-	-	ASP00	-
MW-27D	A2B52305	ASP00	ASP00	-	-	ASP00	-
MW-27S	A2B52304	ASP00	ASP00	-	-	ASP00	-
MW-28D	A2B70604	ASP00	ASP00	-	-	ASP00	-
MW-28S	A2B56101	ASP00	ASP00	-	-	ASP00	-
MW-6A	A2B70603	ASP00	ASP00	-	-	ASP00	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
DUP-2	WATER	11/19/2002	11/20/2002	-	11/22/2002
MW-14	WATER	11/18/2002	11/19/2002	-	11/21/2002
MW-21D	WATER	11/19/2002	11/20/2002	-	11/23/2002
MW-21R	WATER	11/20/2002	11/22/2002	-	11/27/2002
MW-21Sr	WATER	11/19/2002	11/20/2002	-	11/23/2002
MW-22D	WATER	11/19/2002	11/20/2002	-	11/22/2002
MW-22R	WATER	11/20/2002	11/22/2002	-	11/27/2002
MW-22S	WATER	11/19/2002	11/20/2002	-	11/23/2002
MW-24S	WATER	11/18/2002	11/19/2002	-	11/21/2002
MW-25S	WATER	11/19/2002	11/20/2002	-	11/23/2002
MW-26S	WATER	11/18/2002	11/19/2002	-	11/21/2002
MW-27D	WATER	11/18/2002	11/19/2002	-	11/21/2002
MW-27S	WATER	11/18/2002	11/19/2002	-	11/21/2002
MW-28D	WATER	11/21/2002	11/22/2002	-	11/27/2002
MW-28S	WATER	11/19/2002	11/20/2002	-	11/23/2002
MW-6A	WATER	11/20/2002	11/22/2002	-	11/27/2002

NYSDEC-2

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
DUP-2	WATER	11/19/2002	11/20/2002	11/21/2002	11/23/2002
MW-14	WATER	11/18/2002	11/19/2002	11/21/2002	11/23/2002
MW-18S	WATER	11/19/2002	11/20/2002	11/21/2002	11/23/2002
MW-21D	WATER	11/19/2002	11/20/2002	11/21/2002	11/23/2002
MW-21R	WATER	11/20/2002	11/22/2002	11/26/2002	11/29/2002
MW-21Sr	WATER	11/19/2002	11/20/2002	11/21/2002	11/23/2002
MW-22D	WATER	11/19/2002	11/20/2002	11/21/2002	11/23/2002
MW-22R	WATER	11/20/2002	11/22/2002	11/26/2002	11/29/2002
MW-22S	WATER	11/19/2002	11/20/2002	11/21/2002	11/23/2002
MW-24S	WATER	11/18/2002	11/19/2002	11/21/2002	11/23/2002
MW-25S	WATER	11/19/2002	11/20/2002	11/21/2002	11/23/2002
MW-26S	WATER	11/18/2002	11/19/2002	11/21/2002	11/23/2002
MW-27D	WATER	11/18/2002	11/19/2002	11/21/2002	11/23/2002
MW-27S	WATER	11/18/2002	11/19/2002	11/21/2002	11/23/2002
MW-28D	WATER	11/21/2002	11/22/2002	11/26/2002	11/29/2002
MW-28S	WATER	11/19/2002	11/20/2002	11/21/2002	11/23/2002
MW-6A	WATER	11/20/2002	11/22/2002	11/26/2002	11/29/2002

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
DUP-2	WATER	T TALME	11/20/2002	11/22/2002	11/22,25/2002
MW-14	WATER	T TALME	11/19/2002	11/21,22/2002	11/21,25/2002
MW-21D	WATER	T TALME	11/20/2002	11/22/2002	11/22,25/2002
MW-21R	WATER	T TALME	11/22/2002	11/26,12/03/2002	11/26,12/05/2002
MW-21Sr	WATER	T TALME	11/20/2002	11/22/2002	11/22,25/2002
MW-22D	WATER	T TALME	11/20/2002	11/22/2002	11/22,25/2002
MW-22R	WATER	T TALME	11/22/2002	11/26,12/03/2002	11/26,12/05/2002
MW-22S	WATER	T TALME	11/20/2002	11/22/2002	11/22,25/2002
MW-24S	WATER	T TALME	11/19/2002	11/21,22/2002	11/21,25/2002
MW-25S	WATER	T TALME	11/20/2002	11/22/2002	11/22,25/2002
MW-26S	WATER	T TALME	11/19/2002	11/21,22/2002	11/21,25/2002
MW-27D	WATER	T TALME	11/19/2002	11/21,22/2002	11/21,25/2002
MW-27S	WATER	T TALME	11/19/2002	11/21,22/2002	11/21,25/2002
MW-28D	WATER	T TALME	11/22/2002	11/26,12/03/2002	11/26,12/05/2002
MW-28S	WATER	T TALME	11/20/2002	11/22/2002	11/22,25/2002
MW-6A	WATER	T TALME	11/22/2002	11/26,12/03/2002	11/26,12/05/2002

NYSDEC-5

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
DUP-2	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
DUP-3	WATER	SW8463	SEPF	AS REQUIRED	AS REQUIRED
MW-14	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-18S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-21D	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-21R	WATER	SW8463	SEPF	AS REQUIRED	AS REQUIRED
MW-21Sr	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-22D	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-22R	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-22S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-24S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-25S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-26S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-27D	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-27S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-28D	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-28S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-6A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
DUP-2	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-14	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-21D	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-21R	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-21Sr	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-22D	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-22R	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-22S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-24S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-25S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-26S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-27D	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-27S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-28D	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-28S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-6A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED

Sample Compliance Report

SAMPLE COMPLIANCE REPORT

Sample Delivery Group	Sampling Date	ASP Protocol	Sample ID	Matrix	Compliance				Noncompliance
					VOA	BNA	PCB	TAL	
MW-24S	11/18/02	2000	MW-24S	water	no	no	--	no	VOA cal, reporting limit, quant BNA ms, msb, cal, quant TAL cal blank, ser.dil., CN ms
MW-24S	11/18/02	2000	MW-26S	water	no	no	--	yes	VOA cal, reporting limit BNA ms, msb, cal, quant
MW-24S	11/18/02	2000	MW-14	water	no	no	--	no	VOA cal, reporting limit, quant BNA ms, msb, cal, quant TAL cal blank, ser.dil., CN ms
MW-24S	11/18/02	2000	MW-27S	water	no	no	--	no	VOA cal, reporting limit, quant BNA ms, msb, cal, quant TAL cal blank, ser.dil., CN ms
MW-24S	11/18/02	2000	MW-27D	water	no	no	--	no	VOA cal, reporting limit, quant BNA ms, msb, cal, quant TAL cal blank, ser.dil., CN ms
MW-24S	11/18/02	2000	Trip Blank	water	no	--	--	--	VOA cal, reporting limit
MW-24S	11/19/02		MW-28S	water	no	no	--	no	VOA cal, reporting limit, quant BNA ms, msb, cal, quant TAL cal blank, ser.dil., CN ms
MW-24S	11/19/02		MW-22S	water	no	no	--	no	VOA cal, reporting limit BNA ms, cal, quant TAL cal blank
MW-24S	11/19/02		MW-21Sr	water	no	no	--	no	VOA cal, reporting limit BNA ms, cal, quant TAL cal blank, ser.dil., CN ms
MW-24S	11/19/02		MW-21D	water	no	no	--	no	VOA cal, reporting limit, quant BNA ms, cal, quant TAL cal blank, ser.dil., CN ms
MW-24S	11/19/02		MW-18S	water	--	no	--	--	BNA ms, msb, cal, quant
MW-24S	11/19/02		MW-25S	water	no	no	--	no	VOA cal, reporting limit, quant BNA ms, msb, cal, quant TAL cal blank, ser.dil., CN ms

Sample Delivery Group	Sampling Date	ASP Protocol	Sample ID	Matrix	Compliance				Noncompliance	
					VOA	BNA	PCB	TAL		
MW-24S	11/19/02		MW-22D	water	no	no	--	no	VOA cal, reporting limit BNA ms, cal, quant TAL cal blank, ser.dil.	
MW-24S	11/19/02		DUP-2	water	no	no	--	no	VOA cal, reporting limit, quant BNA ms, cal, quant TAL cal blank, ser.dil., CN ms	
MW-24S	11/19/02		Trip Blank	water	no	--	--	--	VOA cal, reporting limit	
MW-24S	11/20/02		MW-22R	water	no	no	--	no	VOA cal, reporting limit BNA ms, cal TAL cal blank, crdl	
MW-24S	11/20/02		MW-21R	water	no	no	yes	no	VOA cal, reporting limit, quant BNA ms, cal TAL CN ms	
MW-24S	11/20/02		MW-6A	water	no	no	--	no	VOA cal, reporting limit, quant BNA ms, cal, quant TAL cal blank, CN ms, ser.dil.	
MW-24S	11/20/02	2000	DUP-3	water	--	--	no	--	PCB false positive	
MW-24S	11/20/02	2000	Trip Blank	water	no	--	--	--	VOA cal, reporting limit	
MW-24S	11/21/02		MW-28D	water	no	no	yes	no	VOA cal, reporting limit, quant BNA ms, cal, quant TAL cal blank, CN ms, ser.dil.	

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
- 2 The deviation resulted in no qualification of data.
- 3 Although the deviation resulted in the qualification of data, the laboratory was method compliant.

DATA REVIEW FOR

NMPC
NORTH ALBANY

SDG# MW24S

VOLATILE, SEMIVOLATILE,
PCB AND INORGANIC ANALYSES

Analyses performed by:

Galson Laboratories
East Syracuse, New York

Review performed by:



Blasland, Bouck & Lee, Inc.
Syracuse, New York

Summary

The following is an assessment of the data package for SDG# MW24S for sampling at NMPC-North Albany. Included with this assessment are the data review check sheets used in the review of the package and corrected sample results. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Date	Analysis			
				VOA	BNA	PCB	TAL
MW-24S	A2B52301	water	11/18/02	x	x		x
MW-26S	A2B52302	water	11/18/02	x	x		x
MW-14	A2B52303	water	11/18/02	x	x		x
MW-27S	A2B52304	water	11/18/02	x	x		x
MW-27D	A2B52305	water	11/18/02	x	x		x
Trip Blank	A2B52306	water	11/18/02	x			
MW-28S ¹	A2B56101	water	11/19/02	x	x		x
MW-22S	A2B56102	water	11/19/02	x	x		x
MW-21Sr	A2B56103	water	11/19/02	x	x		x
MW-21D	A2B56104	water	11/19/02	x	x		x
MW-18S	A2B56105	water	11/19/02		x		
MW-25S	A2B56106	water	11/19/02	x	x		x
MW-22D	A2B56107	water	11/19/02	x	x		x
DUP-2	A2B56108	water	11/19/02	x	x		x
Trip Blank	A2B56109	water	11/19/02	x			
MW-22R	A2B70601	water	11/20/02	x	x		x
MW-21R ¹	A2B70602	water	11/20/02	x	x	x	x
MW-6A	A2B70603	water	11/20/02	x	x		x
DUP-3	A2B70605	water	11/20/02			x	
MW-28D	A2B70604	water	11/21/02	x	x		x
Trip Blank	A2B70606	water	11/20/02	x			

1 MS/MSD analysis performed on sample.

VOLATILE ANALYSES

Introduction

Analyses were performed according to USEPA SW-846 Method 8260 as referenced in NYSDEC-ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding time for volatile analyses under NYSASP is 10 days from sample receipt. The technical holding time for preserved waters is 14 days from sample collection.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method, trip, field, and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure contamination of samples during shipment. Field and rinse blanks measure contamination of samples during field operations.

1,2,4-Trichlorobenzene was detected in the method blanks. Since no 1,2,4-Trichlorobenzene was detected in the samples no data have been qualified based on the blank content.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) limits for select compounds only and allows two outliers. A technical review of the data applies limits to all compounds with no exceptions.

The %RSD were greater than 30% for dichlorofluoromethane. Data for dichlorodifluoromethane have been qualified as estimated in all samples based on the deviation. The response factors were greater than 0.05 for all compounds.

4.2 Continuing Calibration

The method species percent drift (%D) criteria for select compounds only. A technical review applies limits to all compounds with no exceptions.

The response for several compounds in the continuing calibration standards were outside 25% difference (%D) of the initial calibration, as summarized on the attached calibration summary sheets. All data for non-compliant compounds have been qualified as estimated based on the %D.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

All surrogate recoveries were within control limits .

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every experimental run.

All internal standard areas and retention times were within established limits.

7. Compound Identification

Compounds are identified on the GC/MS by using the analyte's relative retention time and ion spectra.

All identified compounds met the specified criteria.

8. Matrix Spike/Matrix Spike Duplicate

Matrix spike and matrix spike duplicate data are used to assess the precision and accuracy of the analytical method.

All matrix spike recoveries and relative percent differences between recoveries were within control limits.

9. Matrix Spike Blank

All matrix spike blank recoveries were within control limits.

10. Field Duplicates

Results for duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-28S / DUP-2	carbon disulfide	ND	4J	NA
	benzene	200	210	4.9%
	toluene	310	320	3.2%
	ethyibenzene	1100	1100	0.0%
	styrene	130	200	42.4%
	total xylenes	970	1000	3.0%
	cyclohexane	ND	5J	NA
	methylcyclohexane	ND	9J	NA
	isopropylbenzene	17J	22	25.6%

ND Not detected

NA Analyte not detected in the sample and/or duplicate. RPD not applicable

The duplicate results are acceptable.

11. General Comments

The quantitation limits reported for several compounds were inconsistent with the instrument calibration range. All data have been corrected to reflect the proper quantitation limits.

Data for the positively identified compounds were quantitated using the daily standard response rather than the method-specified initial calibration response. All positive data should be considered estimated based on the method deviation.

12. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checksheets

Volatile Organics Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Have any missing deliverables been received and added to the data package?	<u> </u>	<u> X </u>	<u> </u>
Is there a narrative or cover letter present?	<u> X </u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> X </u>	<u> </u>	<u> </u>
Are the sample chain-of-custodies present?	<u> X </u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>	<u> X </u>	<u> </u>
<u>Holding Times</u>			
Have any holding times been exceeded?	<u> </u>	<u> X </u>	<u> </u>
<u>Surrogate Recovery</u>			
Are surrogate recovery forms present?	<u> X </u>	<u> </u>	<u> </u>
Are all samples listed on the surrogate recovery form?	<u> X </u>	<u> </u>	<u> </u>
Was one or more surrogate recovery outside of specified limits for any sample or blank?	<u> </u>	<u> X </u>	<u> </u>
If yes, were the samples reanalyzed?	<u> </u>	<u> </u>	<u> X </u>
Are there any transcription/calculation errors between the raw data and the summary form?	<u> </u>	<u> X </u>	<u> </u>
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> X </u>	<u> </u>	<u> </u>
Were matrix spikes analyzed at the required frequency?	<u> X </u>	<u> </u>	<u> </u>
How many spike recoveries were outside of QC limits?			
<u> 0 </u> out of <u> 10 </u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
<u> 0 </u> out of <u> 5 </u>			
<u>Blanks</u>			
Is a method blank summary form present?	<u> X </u>	<u> </u>	<u> </u>
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	<u> X </u>	<u> </u>	<u> </u>
Has a blank been analyzed at least once every twelve hours for each system used?	<u> X </u>	<u> </u>	<u> </u>
Do any method/instrument blanks have positive results?	<u> X </u>	<u> </u>	<u> </u>
Are field/rinse blanks associated with every sample?	<u> X </u>	<u> </u>	<u> </u>
Do any trip/field/rinse blanks have positive results?	<u> </u>	<u> X </u>	<u> </u>

Volatile Organics Data Validation Checklist - Page 2

	YES	NO	NA
<u>Tuning and Mass Calibration</u>			
Are the GC/MS tuning forms present for BFB?	<u>X</u>	<u> </u>	<u> </u>
Are the bar graph spectrum and mass/charge listing provided for each BFB?	<u>X</u>	<u> </u>	<u> </u>
Has a BFB been analyzed for each twelve hours of analysis per instrument?	<u>X</u>	<u> </u>	<u> </u>
Have the ion abundance criteria been met for each instrument used?	<u>X</u>	<u> </u>	<u> </u>
<u>Target Analytes</u>			
Is an organics analysis data sheet present for each of the following:			
Samples	<u>X</u>	<u> </u>	<u> </u>
Matrix spikes	<u>X</u>	<u> </u>	<u> </u>
Blanks	<u>X</u>	<u> </u>	<u> </u>
Are the reconstructed ion chromatograms present for each of the following:			
Samples	<u>X</u>	<u> </u>	<u> </u>
Matrix spikes	<u>X</u>	<u> </u>	<u> </u>
Blanks	<u>X</u>	<u> </u>	<u> </u>
Is the chromatographic performance acceptable?	<u>X</u>	<u> </u>	<u> </u>
Are the mass spectra of the identified compounds present?	<u>X</u>	<u> </u>	<u> </u>
Are all ions present in the standard mass spectrum at a relative intensity of 10% or greater also present in the sample spectrum?	<u>X</u>	<u> </u>	<u> </u>
Do the samples and standard relative ion intensities agree within 20%?	<u>X</u>	<u> </u>	<u> </u>
<u>Tentatively Identified Compounds</u>			
Are all the TIC summary forms present?	<u>X</u>	<u> </u>	<u> </u>
Are the mass spectra for the tentatively identified compounds and their associated "best match" spectra present?	<u>X</u>	<u> </u>	<u> </u>
Are any target compounds listed as TICs?	<u> </u>	<u>X</u>	<u> </u>
Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	<u>X</u>	<u> </u>	<u> </u>
Do the TIC and "best match" spectrum agree within 20%?	<u>X</u>	<u> </u>	<u> </u>

Volatile Organics Data Validation Checklist - Page 3

	YES	NO	NA
<u>Quantitation and Detection Limits</u>			
Are there any transcription/calculation errors in the Form 1 results?	<u>X</u>	<u> </u>	<u> </u>
Are the reporting limits adjusted to reflect sample dilutions and, for soils, sample moisture?	<u> </u>	<u>X</u>	<u> </u>
<u>Standard Data</u>			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	<u>X</u>	<u> </u>	<u> </u>
<u>Initial Calibration</u>			
Are the initial calibration forms present for each instrument used?	<u>X</u>	<u> </u>	<u> </u>
Are the response factor RSDs within acceptable limits?	<u> </u>	<u>X</u>	<u> </u>
Are the average RRFs $\geq$ minimum requirements?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors in reporting the RRFs or RSDs?	<u> </u>	<u>X</u>	<u> </u>
<u>Continuing Calibration</u>			
Are the continuing calibration forms present for each day and each instrument?	<u>X</u>	<u> </u>	<u> </u>
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	<u>X</u>	<u> </u>	<u> </u>
All %D within acceptable limits?	<u> </u>	<u>X</u>	<u> </u>
Are all RF $\geq$ minimum requirements?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors in reporting of RF or %D?	<u> </u>	<u>X</u>	<u> </u>
<u>Internal Standards</u>			
Are internal standard areas of every sample within the upper and lower limits for each continuing calibration?	<u>X</u>	<u> </u>	<u> </u>
Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	<u>X</u>	<u> </u>	<u> </u>
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u>X</u>	<u> </u>	<u> </u>

Volatile Qualifier Summary **Holding Time, Surrogates, Internal Standards**

Sample ID	Holding Time	Surrogates			Internal Standards		
		TOL	BFB	DCE	DFB	DCB	CBZ
MW-24S							
MW-26S							
MW-14							
MW-27S							
MW-27D							
Trip Blank							
MW-28S							
MW-28S MS							
MW-28S MSD							
MW-22S							
MW-21Sr							
MW-21D							
MW-18S							
MW-25S							
MW-22D							
DUP-2							
Trip Blank							
MW-22R							
MW-21R							
MW-6A							
DUP-3							
Trip Blank							
MW-28D							

Surrogates:

TOL Toluene-d8
 BFB Bromofluorobenzene
 DCE 1,4-Dichloroethane-d4

Internal Standards:

DFB 1,4-Difluorobenzene
 DCB 1,4-Dichlorobenzene-d4
 CBZ Chlorobenzene-d5

Qualifiers:

D Diluted
 ! Recovery high
 ! Recovery low
 !! Recovery <25%

* Unless otherwise specified, all parameters are within acceptable limits.

Volatile Calibration Outliers

Instrument: HP5973F

Matrix: water

Level: low

Date/Time	10/15/02		11/21/058		11/22/0932		11/23/1113		11/27/1026	
	Initial Cal		Cont. Cal		Cont. Cal		Cont. Cal		Cont. Cal	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
chloromethane				26.4		27.2				
vinyl chloride										
bromomethane				33.4		38.7		29.7		33.0
chloroethane										
1,1-dichloroethene										
acetone				36.1		36.9				28.9
methylene chloride				27.9		39.7		28.3		32.6
carbon disulfide				32.8		30.9				31.8
1,1-dichloroethane										
2-butanone						43.9		42.7		
chloroform										
1,1,1-trichloroethane										
carbon tetrachloride										
benzene										
1,2-dichloroethane										
trichloroethene										
1,2-dichloropropane										
bromodichloromethane										
cis-1,3-dichloropropene										
4-methyl-2-pentanone										
toluene										
trans-1,3-dichloropropene										
1,1,2-trichloroethane										
tetrachloroethene										
2-hexanone						40.2		46.4		
dibromochloromethane										
chlorobenzene										
ethylbenzene										
1,1,2,2-tetrachloroethane										
dichlorodifluoromethane		31.7		71.4		73.0				
trichlorofluoromethane										
Freon TF										
trans-1,2-dichloroethene										

Volatile Calibration Outliers - Page 2

Date/Time	10/15/02		11/21/058		11/22/0932		11/23/1113		11/27/1026	
	Initial Cal		Cont. Cal		Cont. Cal		Cont. Cal		Cont. Cal	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
cis-1,2-dichloroethene										
cyclohexane										
methylcyclohexane										
1,2-dibromoethane										
isopropylbenzene										
1,3-dichlorobenzene										
1,4-dichlorobenzene										
1,2-dichlorobenzene										
1,2-dibromo-3-chloropropane				25.5						
1,2,4-trichlorobenzene										
methyl acetate				46.3		46.4		39.0		43.7
xylene(total)										
styrene										
bromoform										
methyltertbutylether										
Affected Samples	All		MW-14		DUP-2		MW-21D		MW-6A	
			MW-24S		MW-22D		MW-21Sr		MW-21R	
			MW-26S		Trip Blank		MW-22S		MW-22R	
			MW-27D				MW-25S		MW-28D	
			MW-27S				MW-28S		Trip Blank	
			Trip Blank							

Corrected Sample Analysis Data Sheets

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

16

Client No.

DUP-2

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7082.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.5	YUJ
74-83-9-----	Bromomethane	10.5	YUJ
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	YUJ
67-64-1-----	Acetone	10.25	YUJ
75-15-0-----	Carbon Disulfide	4	YJ
75-35-4-----	1,1-Dichloroethene	10.5	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.5	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	YUJ
71-55-6-----	1,1,1-Trichloroethane	10.5	U
56-23-5-----	Carbon Tetrachloride	10.5	U
75-27-4-----	Bromodichloromethane	10.5	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.5	U
79-00-5-----	1,1,2-Trichloroethane	10.5	U
71-43-2-----	Benzene	240-210	EDJ
10061-02-6----	trans-1,3-Dichloropropene	10.5	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	YUJ
127-18-4-----	Tetrachloroethene	10.5	U
108-88-3-----	Toluene	380-320	EDJ
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	1400-1100	EDJ
100-42-5-----	Styrene	200	YJ
1330-20-7-----	Total Xylenes	1400-1000	EDJ
75-71-8-----	Dichlorodifluoromethane	10.5	YUJ
75-69-4-----	Trichlorofluoromethane	10.5	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

Client No. _____

DUP-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56108

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7082.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10		U
156-60-5-----	trans-1,2-Dichloroethene	10.8		U
1634-04-4-----	Methyl tert butyl ether	10		U
156-59-2-----	cis-1,2-Dichloroethene	10.8		U
110-82-7-----	Cyclohexane	10.8		J
108-87-2-----	Methylcyclohexane	9		J
106-93-4-----	1,2-Dibromoethane	10.8		U
98-82-8-----	Isopropylbenzene	22		J
541-73-1-----	1,3-Dichlorobenzene	10.8		U
106-46-7-----	1,4-Dichlorobenzene	10.8		U
95-50-1-----	1,2-Dichlorobenzene	10.8		U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.8		U
120-82-1-----	1,2,4-Trichlorobenzene	10.8		U
79-20-9-----	Methyl acetate	10		MS

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

18

Client No.

DUP-2

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7082.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____

Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	9.42	380	J
2.	UNKNOWN	9.49	330	J
3.	TRIMETHYLBENZENE ISOMER	9.85	130	J
4.	UNKNOWN	10.04	880	J
5.	AROMATIC DERIVATIVE	10.25	1600	J
6.	UNKNOWN	11.28	130	J
7.	UNKNOWN	11.37	180	J
8. 91-20-3	NAPHTHALENE	11.74	1900	JN
9.	AROMATIC DERIVATIVE	12.64	210	J
10.	METHYLNAPHTHALENE ISOMER	12.81	230	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

19

Client No.

DUP-2 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7097.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene chloride	100	U
67-64-1	Acetone	250	U
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	210	D
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-pentanone	250	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
108-88-3	Toluene	320	D
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	1100	D
100-42-5	Styrene	130	D
1330-20-7	Total Xylenes	1000	D
75-71-8	Dichlorodifluoromethane	50	U
75-69-4	Trichlorofluoromethane	50	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

20

Client No.

DUP-2 DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7097.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		100	U
156-60-5-----	trans-1,2-Dichloroethene		50	U
1634-04-4----	Methyl tert butyl ether		100	U
156-59-2-----	cis-1,2-Dichloroethene		50	U
110-82-7-----	Cyclohexane		100	U
108-87-2-----	Methylcyclohexane		100	U
106-93-4-----	1,2-Dibromoethane		50	U
98-82-8-----	Isopropylbenzene		17	DJ
541-73-1-----	1,3-Dichlorobenzene		50	U
106-46-7-----	1,4-Dichlorobenzene		50	U
95-50-1-----	1,2-Dichlorobenzene		50	U
96-12-8-----	1,2-Dibromo-3-chloropropane		50	U
120-82-1-----	1,2,4-Trichlorobenzene		50	U
79-20-9-----	Methyl acetate		100	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

21

Client No.

DUP-2 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56108DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7097.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE DER.	9.24	87	J
2.	TRIMETHYLBENZENE ISOMER	9.42	280	J
3.	UNKNOWN	9.49	250	J
4.	TRIMETHYLBENZENE ISOMER	9.85	94	J
5.	UNKNOWN	10.04	670	J
6.	AROMATIC DERIVATIVE	10.24	1800	J
7.	UNKNOWN	11.36	100	J
8. 91-20-3	NAPHTHALENE	11.73	6100	JN
9.	METHYLBENZENE ISOMER	12.64	120	J
10.	METHYLBENZENE ISOMER	12.81	120	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

22

Client No.

MW-6A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70603

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7194.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

74-87-3-----	Chloromethane	2	J
74-83-9-----	Bromomethane	10.8	NUJ
75-01-4-----	Vinyl chloride	10.8	U
75-00-3-----	Chloroethane	10.8	U
75-09-2-----	Methylene chloride	10	NUJ
67-64-1-----	Acetone	15	J
75-15-0-----	Carbon Disulfide	10.8	NUJ
75-35-4-----	1,1-Dichloroethene	10.8	U
75-34-3-----	1,1-Dichloroethane	10.8	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.8	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.8	U
56-23-5-----	Carbon Tetrachloride	10.8	U
75-27-4-----	Bromodichloromethane	10.8	U
78-87-5-----	1,2-Dichloropropane	10.8	U
10061-01-5----	cis-1,3-Dichloropropene	10.8	U
79-01-6-----	Trichloroethene	10.8	U
124-48-1-----	Dibromochloromethane	10.8	U
79-00-5-----	1,1,2-Trichloroethane	10.8	U
71-43-2-----	Benzene	10.8	U
10061-02-6----	trans-1,3-Dichloropropene	10.8	U
75-25-2-----	Bromoform	10.8	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	10.8	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.8	U
108-90-7-----	Chlorobenzene	10.8	U
100-41-4-----	Ethylbenzene	10.8	U
100-42-5-----	Styrene	10.8	U
1330-20-7-----	Total Xylenes	10.8	U
75-71-8-----	Dichlorodifluoromethane	10.8	NUJ
75-69-4-----	Trichlorofluoromethane	10.8	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

2

Client No.

MW-6A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70603

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7194.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	12	J
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	puJ

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

24

Client No.

MW-6A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70603

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7194.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

25

Client No.

MW-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52303

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7056.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	10.5	10.5	U
74-83-9	Bromomethane	10.5	10.5	U
75-01-4	Vinyl chloride	10.5	10.5	U
75-00-3	Chloroethane	10.5	10.5	U
75-09-2	Methylene chloride	10	10	U
67-64-1	Acetone	10.25	10.25	U
75-15-0	Carbon Disulfide	10.5	10.5	U
75-35-4	1,1-Dichloroethene	10.5	10.5	U
75-34-3	1,1-Dichloroethane	10.5	10.5	U
67-66-3	Chloroform	10.5	10.5	U
107-06-2	1,2-Dichloroethane	10.5	10.5	U
78-93-3	2-Butanone	10.25	10.25	U
71-55-6	1,1,1-Trichloroethane	10.5	10.5	U
56-23-5	Carbon Tetrachloride	10.5	10.5	U
75-27-4	Bromodichloromethane	10.5	10.5	U
78-87-5	1,2-Dichloropropane	10.5	10.5	U
10061-01-5	cis-1,3-Dichloropropene	10.5	10.5	U
79-01-6	Trichloroethene	10.5	10.5	U
124-48-1	Dibromochloromethane	10.5	10.5	U
79-00-5	1,1,2-Trichloroethane	10.5	10.5	U
71-43-2	Benzene	52	52	U
10061-02-6	trans-1,3-Dichloropropene	10.5	10.5	U
75-25-2	Bromoform	10.5	10.5	U
108-10-1	4-Methyl-2-pentanone	10.25	10.25	U
591-78-6	2-Hexanone	10.25	10.25	U
127-18-4	Tetrachloroethene	10.5	10.5	U
108-88-3	Toluene	2	2	U
79-34-5	1,1,2,2-Tetrachloroethane	10.5	10.5	U
108-90-7	Chlorobenzene	10.5	10.5	U
100-41-4	Ethylbenzene	5	5	U
100-42-5	Styrene	10.5	10.5	U
1330-20-7	Total Xylenes	6	6	U
75-71-8	Dichlorodifluoromethane	10.5	10.5	U
75-69-4	Trichlorofluoromethane	10.5	10.5	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

26

Client No.

MW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52303

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7056.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	18	J
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	7	J
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

2

Client No.

MW-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52303

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7056.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 10

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE DER.	9.24	10	J
2.	UNKNOWN	10.04	460	J
3.	AROMATIC DERIVATIVE	10.24	12	J
4.	AROMATIC DERIVATIVE	10.57	14	J
5.	AROMATIC DERIVATIVE	11.09	15	J
6.	AROMATIC DERIVATIVE	11.22	32	J
7.	UNKNOWN	11.28	10	J
8. 91-20-3	NAPHTHALENE	11.73	44	JN
9.	METHYLNAPHTHALENE ISOMER	12.64	11	J
10.	METHYLNAPHTHALENE ISOMER	12.81	75	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

28

Client No.

MW-21D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56104

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7095.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	-----Chloromethane	10.5	U
74-83-9	-----Bromomethane	10.5	U
75-01-4	-----Vinyl chloride	10.5	U
75-00-3	-----Chloroethane	10.5	U
75-09-2	-----Methylene chloride	10	U
67-64-1	-----Acetone	10.25	U
75-15-0	-----Carbon Disulfide	10.5	U
75-35-4	-----1,1-Dichloroethene	10.5	U
75-34-3	-----1,1-Dichloroethane	10.5	U
67-66-3	-----Chloroform	10.5	U
107-06-2	-----1,2-Dichloroethane	10.5	U
78-93-3	-----2-Butanone	10.25	U
71-55-6	-----1,1,1-Trichloroethane	10.5	U
56-23-5	-----Carbon Tetrachloride	10.5	U
75-27-4	-----Bromodichloromethane	10.5	U
78-87-5	-----1,2-Dichloropropane	10.5	U
10061-01-5	-----cis-1,3-Dichloropropene	10.5	U
79-01-6	-----Trichloroethene	10.5	U
124-48-1	-----Dibromochloromethane	10.5	U
79-00-5	-----1,1,2-Trichloroethane	10.5	U
71-43-2	-----Benzene	10.5	U
10061-02-6	-----trans-1,3-Dichloropropene	10.5	U
75-25-2	-----Bromoform	10.5	U
108-10-1	-----4-Methyl-2-pentanone	10.25	U
591-78-6	-----2-Hexanone	10.25	U
127-18-4	-----Tetrachloroethene	10.5	U
108-88-3	-----Toluene	10.5	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10.5	U
108-90-7	-----Chlorobenzene	10.5	U
100-41-4	-----Ethylbenzene	10.5	U
100-42-5	-----Styrene	10.5	U
1330-20-7	-----Total Xylenes	10.5	U
75-71-8	-----Dichlorodifluoromethane	10.5	U
75-69-4	-----Trichlorofluoromethane	10.5	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-21D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56104

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7095.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
156-60-5-----	trans-1,2-Dichloroethene	105	U	
1634-04-4-----	Methyl tert butyl ether	1	J	
156-59-2-----	cis-1,2-Dichloroethene	105	U	
110-82-7-----	Cyclohexane	10	U	
108-87-2-----	Methylcyclohexane	10	U	
106-93-4-----	1,2-Dibromoethane	105	U	
98-82-8-----	Isopropylbenzene	105	U	
541-73-1-----	1,3-Dichlorobenzene	105	U	
106-46-7-----	1,4-Dichlorobenzene	105	U	
95-50-1-----	1,2-Dichlorobenzene	105	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	105	U	
120-82-1-----	1,2,4-Trichlorobenzene	105	U	
79-20-9-----	Methyl acetate	10	U	

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

30

Client No.

MW-21D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56104

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7095.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

3

Client No.

MW-21R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B70602

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7193.RR

Level: (low/med) LOW Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	2	J	
74-83-9	Bromomethane	10.5	U	J
75-01-4	Vinyl chloride	10.5	U	
75-00-3	Chloroethane	10.5	U	
75-09-2	Methylene chloride	10	U	J
67-64-1	Acetone	10.25	U	J
75-15-0	Carbon Disulfide	10.5	U	J
75-35-4	1,1-Dichloroethene	10.5	U	
75-34-3	1,1-Dichloroethane	10.5	U	
67-66-3	Chloroform	10.5	U	
107-06-2	1,2-Dichloroethane	10.5	U	
78-93-3	2-Butanone	10.25	U	
71-55-6	1,1,1-Trichloroethane	10.5	U	
56-23-5	Carbon Tetrachloride	10.5	U	
75-27-4	Bromodichloromethane	10.5	U	
78-87-5	1,2-Dichloropropane	10.5	U	
10061-01-5	cis-1,3-Dichloropropene	10.5	U	
79-01-6	Trichloroethene	10.5	U	
124-48-1	Dibromochloromethane	10.5	U	
79-00-5	1,1,2-Trichloroethane	10.5	U	
71-43-2	Benzene	10.5	U	
10061-02-6	trans-1,3-Dichloropropene	10.5	U	
75-25-2	Bromoform	10.5	U	
108-10-1	4-Methyl-2-pentanone	10.25	U	
591-78-6	2-Hexanone	10.25	U	
127-18-4	Tetrachloroethene	10.5	U	
108-88-3	Toluene	10.5	U	
79-34-5	1,1,2,2-Tetrachloroethane	10.5	U	
108-90-7	Chlorobenzene	10.5	U	
100-41-4	Ethylbenzene	10.5	U	
100-42-5	Styrene	10.5	U	
1330-20-7	Total Xylenes	10.5	U	
75-71-8	Dichlorodifluoromethane	10.5	U	J
75-69-4	Trichlorofluoromethane	10.5	U	

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

32

Client No.

MW-21R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70602

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7193.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.	COMPOUND		
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

33

Client No.

MW-21R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70602

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7193.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.80	8	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

34

Client No.

MW-21Sr

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56103

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7094.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.8	U
74-83-9-----	Bromomethane	10.8	U
75-01-4-----	Vinyl chloride	10.8	U
75-00-3-----	Chloroethane	10.8	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.8	U
75-35-4-----	1,1-Dichloroethene	10.8	U
75-34-3-----	1,1-Dichloroethane	10.8	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.8	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.8	U
56-23-5-----	Carbon Tetrachloride	10.8	U
75-27-4-----	Bromodichloromethane	10.8	U
78-87-5-----	1,2-Dichloropropane	10.8	U
10061-01-5----	cis-1,3-Dichloropropene	10.8	U
79-01-6-----	Trichloroethene	10.8	U
124-48-1-----	Dibromochloromethane	10.8	U
79-00-5-----	1,1,2-Trichloroethane	10.8	U
71-43-2-----	Benzene	10.8	U
10061-02-6----	trans-1,3-Dichloropropene	10.8	U
75-25-2-----	Bromoform	10.8	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	10.8	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.8	U
108-90-7-----	Chlorobenzene	10.8	U
100-41-4-----	Ethylbenzene	10.8	U
100-42-5-----	Styrene	10.8	U
1330-20-7-----	Total Xylenes	10.8	U
75-71-8-----	Dichlorodifluoromethane	10.8	U
75-69-4-----	Trichlorofluoromethane	10.8	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

31

Client No.

MW-21Sr

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7094.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10-5	U
1634-04-4----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10-5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10-5	U
98-82-8-----	Isopropylbenzene	10-5	U
541-73-1-----	1,3-Dichlorobenzene	10-5	U
106-46-7-----	1,4-Dichlorobenzene	10-5	U
95-50-1-----	1,2-Dichlorobenzene	10-5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10-5	U
120-82-1-----	1,2,4-Trichlorobenzene	10-5	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

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Client No.

MW-21Sr

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56103

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7094.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

3

Client No.

MW-22D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56107

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7081.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10.8	NUJ
74-83-9	Bromomethane	10.8	NUJ
75-01-4	Vinyl chloride	10.8	U
75-00-3	Chloroethane	10.5	U
75-09-2	Methylene chloride	10	NUJ
67-64-1	Acetone	10.25	NUJ
75-15-0	Carbon Disulfide	10.8	NUJ
75-35-4	1,1-Dichloroethene	10.8	U
75-34-3	1,1-Dichloroethane	10.8	U
67-66-3	Chloroform	10.5	U
107-06-2	1,2-Dichloroethane	10.5	U
78-93-3	2-Butanone	10.25	NUJ
71-55-6	1,1,1-Trichloroethane	10.8	U
56-23-5	Carbon Tetrachloride	10.8	U
75-27-4	Bromodichloromethane	10.8	U
78-87-5	1,2-Dichloropropane	10.8	U
10061-01-5	cis-1,3-Dichloropropene	10.8	U
79-01-6	Trichloroethene	10.8	U
124-48-1	Dibromochloromethane	10.8	U
79-00-5	1,1,2-Trichloroethane	10.8	U
71-43-2	Benzene	10.8	U
10061-02-6	trans-1,3-Dichloropropene	10.8	U
75-25-2	Bromoform	10.8	U
108-10-1	4-Methyl-2-pentanone	10.25	U
591-78-6	2-Hexanone	10.25	NUJ
127-18-4	Tetrachloroethene	10.8	U
108-88-3	Toluene	10.8	U
79-34-5	1,1,2,2-Tetrachloroethane	10.8	U
108-90-7	Chlorobenzene	10.8	U
100-41-4	Ethylbenzene	10.8	U
100-42-5	Styrene	10.5	U
1330-20-7	Total Xylenes	10.8	U
75-71-8	Dichlorodifluoromethane	10.8	NUJ
75-69-4	Trichlorofluoromethane	10.8	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

38

Client No.

MW-22D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56107

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7081.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	YUJ

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

3

Client No.

MW-22D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56107

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7081.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-22R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70601

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7192.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.8	U
74-83-9-----	Bromomethane	10.5	U
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.8	U
75-35-4-----	1,1-Dichloroethene	10.5	U
75-34-3-----	1,1-Dichloroethane	10.8	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.8	U
56-23-5-----	Carbon Tetrachloride	10.8	U
75-27-4-----	Bromodichloromethane	10.8	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.8	U
79-01-6-----	Trichloroethene	10.8	U
124-48-1-----	Dibromochloromethane	10.8	U
79-00-5-----	1,1,2-Trichloroethane	10.8	U
71-43-2-----	Benzene	10.8	U
10061-02-6----	trans-1,3-Dichloropropene	10.8	U
75-25-2-----	Bromoform	10.8	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	10.8	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.8	U
108-90-7-----	Chlorobenzene	10.8	U
100-41-4-----	Ethylbenzene	10.8	U
100-42-5-----	Styrene	10.8	U
1330-20-7----	Total Xylenes	10.8	U
75-71-8-----	Dichlorodifluoromethane	10.8	U
75-69-4-----	Trichlorofluoromethane	10.8	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

4

Client No.

MW-22R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70601

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7192.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.8	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.8	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.8	U
98-82-8-----	Isopropylbenzene	10.8	U
541-73-1-----	1,3-Dichlorobenzene	10.8	U
106-46-7-----	1,4-Dichlorobenzene	10.8	U
95-50-1-----	1,2-Dichlorobenzene	10.8	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.8	U
120-82-1-----	1,2,4-Trichlorobenzene	10.8	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

42

Client No.

MW-22R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70601

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7192.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

4

Client No.

MW-22S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56102

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7093.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

74-87-3-----	Chloromethane	10.8	U
74-83-9-----	Bromomethane	10.8	U
75-01-4-----	Vinyl chloride	10.8	U
75-00-3-----	Chloroethane	10.8	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.8	U
75-35-4-----	1,1-Dichloroethene	10.8	U
75-34-3-----	1,1-Dichloroethane	10.8	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.8	U
56-23-5-----	Carbon Tetrachloride	10.8	U
75-27-4-----	Bromodichloromethane	10.8	U
78-87-5-----	1,2-Dichloropropane	10.8	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.8	U
124-48-1-----	Dibromochloromethane	10.8	U
79-00-5-----	1,1,2-Trichloroethane	10.5	U
71-43-2-----	Benzene	10.8	U
10061-02-6----	trans-1,3-Dichloropropene	10.8	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	10.8	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.8	U
108-90-7-----	Chlorobenzene	10.8	U
100-41-4-----	Ethylbenzene	10.8	U
100-42-5-----	Styrene	10.8	U
1330-20-7-----	Total Xylenes	10.8	U
75-71-8-----	Dichlorodifluoromethane	10.8	U
75-69-4-----	Trichlorofluoromethane	10.8	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-22S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7093.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

43

Client No.

MW-22S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7093.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 91-20-3	NAPHTHALENE	11.73	23	JN

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-24S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52301

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7054.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	-----Chloromethane	10.5	YUJ
74-83-9	-----Bromomethane	10.5	YUJ
75-01-4	-----Vinyl chloride	10.5	U
75-00-3	-----Chloroethane	10.5	U
75-09-2	-----Methylene chloride	10	YUJ
67-64-1	-----Acetone	10.25	YUJ
75-15-0	-----Carbon Disulfide	10.5	YUJ
75-35-4	-----1,1-Dichloroethene	10.5	U
75-34-3	-----1,1-Dichloroethane	10.5	U
67-66-3	-----Chloroform	10.5	U
107-06-2	-----1,2-Dichloroethane	10.5	U
78-93-3	-----2-Butanone	10.25	U
71-55-6	-----1,1,1-Trichloroethane	10.5	U
56-23-5	-----Carbon Tetrachloride	10.5	U
75-27-4	-----Bromodichloromethane	10.5	U
78-87-5	-----1,2-Dichloropropane	10.5	U
10061-01-5	----cis-1,3-Dichloropropene	10.5	U
79-01-6	-----Trichloroethene	10.5	U
124-48-1	-----Dibromochloromethane	10.5	U
79-00-5	-----1,1,2-Trichloroethane	10.5	U
71-43-2	-----Benzene	10.5	U
10061-02-6	----trans-1,3-Dichloropropene	10.5	U
75-25-2	-----Bromoform	10.5	U
108-10-1	-----4-Methyl-2-pentanone	10.25	U
591-78-6	-----2-Hexanone	10.25	U
127-18-4	-----Tetrachloroethene	10.5	U
108-88-3	-----Toluene	10.5	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10.5	U
108-90-7	-----Chlorobenzene	10.5	U
100-41-4	-----Ethylbenzene	10.5	U
100-42-5	-----Styrene	10.5	U
1330-20-7	-----Total Xylenes	10.5	U
75-71-8	-----Dichlorodifluoromethane	10.5	YUJ
75-69-4	-----Trichlorofluoromethane	10.5	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-24S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52301

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7054.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	4	J
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromomethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	UUT
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	UUT

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

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Client No.

MW-24S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52301

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7054.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____

Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	10.04	8	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-25S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56106

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7096.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	1	J
74-83-9-----	Bromomethane	10.5	U
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.5	U
75-35-4-----	1,1-Dichloroethene	10.5	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.5	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.5	U
56-23-5-----	Carbon Tetrachloride	10.5	U
75-27-4-----	Bromodichloromethane	10.5	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.5	U
79-00-5-----	1,1,2-Trichloroethane	10.5	U
71-43-2-----	Benzene	10.5	U
10061-02-6----	trans-1,3-Dichloropropene	10.5	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.5	U
108-88-3-----	Toluene	10.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	10.5	U
100-42-5-----	Styrene	10.5	U
1330-20-7----	Total Xylenes	10.5	U
75-71-8-----	Dichlorodifluoromethane	10.5	U
75-69-4-----	Trichlorofluoromethane	10.5	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-25S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56106

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7096.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		10	U
156-60-5-----	trans-1,2-Dichloroethene	10.8	10.8	U
1634-04-4----	Methyl tert butyl ether	10	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	10.5	U
110-82-7-----	Cyclohexane	10	10	U
108-87-2-----	Methylcyclohexane	10	10	U
106-93-4-----	1,2-Dibromoethane	10.8	10.8	U
98-82-8-----	Isopropylbenzene	10.8	10.8	U
541-73-1-----	1,3-Dichlorobenzene	10.8	10.8	U
106-46-7-----	1,4-Dichlorobenzene	10.8	10.8	U
95-50-1-----	1,2-Dichlorobenzene	10.8	10.8	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.8	10.8	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	10.5	U
79-20-9-----	Methyl acetate	10	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-25S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56106

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7096.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-26S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52302

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7055.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	-----Chloromethane	10.5	U
74-83-9	-----Bromomethane	10.8	U
75-01-4	-----Vinyl chloride	10.8	U
75-00-3	-----Chloroethane	10.9	U
75-09-2	-----Methylene chloride	10	U
67-64-1	-----Acetone	10.25	U
75-15-0	-----Carbon Disulfide	10.8	U
75-35-4	-----1,1-Dichloroethene	10.8	U
75-34-3	-----1,1-Dichloroethane	10.8	U
67-66-3	-----Chloroform	10.8	U
107-06-2	-----1,2-Dichloroethane	10.8	U
78-93-3	-----2-Butanone	10.25	U
71-55-6	-----1,1,1-Trichloroethane	10.8	U
56-23-5	-----Carbon Tetrachloride	10.8	U
75-27-4	-----Bromodichloromethane	10.8	U
78-87-5	-----1,2-Dichloropropane	10.8	U
10061-01-5	-----cis-1,3-Dichloropropene	10.8	U
79-01-6	-----Trichloroethene	10.8	U
124-48-1	-----Dibromochloromethane	10.8	U
79-00-5	-----1,1,2-Trichloroethane	10.8	U
71-43-2	-----Benzene	10.5	U
10061-02-6	-----trans-1,3-Dichloropropene	10.8	U
75-25-2	-----Bromoform	10.8	U
108-10-1	-----4-Methyl-2-pentanone	10.25	U
591-78-6	-----2-Hexanone	10.25	U
127-18-4	-----Tetrachloroethene	10.8	U
108-88-3	-----Toluene	10.8	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10.8	U
108-90-7	-----Chlorobenzene	10.8	U
100-41-4	-----Ethylbenzene	10.8	U
100-42-5	-----Styrene	10.8	U
1330-20-7	-----Total Xylenes	10.8	U
75-71-8	-----Dichlorodifluoromethane	10.8	U
75-69-4	-----Trichlorofluoromethane	10.8	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-26S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52302

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7055.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

54

Client No.

MW-26S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52302

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7055.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-27D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7058.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.5	YUJ
74-83-9-----	Bromomethane	10.5	YUJ
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	YUJ
67-64-1-----	Acetone	10.25	YUJ
75-15-0-----	Carbon Disulfide	10.5	YUJ
75-35-4-----	1,1-Dichloroethene	10.5	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.5	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.5	U
56-23-5-----	Carbon Tetrachloride	10.5	U
75-27-4-----	Bromodichloromethane	10.5	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.5	U
79-00-5-----	1,1,2-Trichloroethane	10.5	U
71-43-2-----	Benzene	590 400	EDT
10061-02-6----	trans-1,3-Dichloropropene	10.5	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.5	U
108-88-3-----	Toluene	5	J
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	540 300	EDT
100-42-5-----	Styrene	10.5	U
1330-20-7-----	Total Xylenes	110	J
75-71-8-----	Dichlorodifluoromethane	10.5	YUJ
75-69-4-----	Trichlorofluoromethane	10.5	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-27D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7058.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		10	U
156-60-5-----	trans-1,2-Dichloroethene		10.8	U
1634-04-4----	Methyl tert butyl ether		10	U
156-59-2-----	cis-1,2-Dichloroethene		10.8	U
110-82-7-----	Cyclohexane		1	J
108-87-2-----	Methylcyclohexane		1	J
106-93-4-----	1,2-Dibromoethane		10.8	U
98-82-8-----	Isopropylbenzene		44	
541-73-1-----	1,3-Dichlorobenzene		10.8	U
106-46-7-----	1,4-Dichlorobenzene		10.8	U
95-50-1-----	1,2-Dichlorobenzene		10.8	U
96-12-8-----	1,2-Dibromo-3-chloropropane		10.8	U
120-82-1-----	1,2,4-Trichlorobenzene		10.8	U
79-20-9-----	Methyl acetate		10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No. _____

MW-27D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52305

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7058.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE DER.	9.24	80	J
2.	TRIMETHYLBENZENE ISOMER	9.42	240	J
3.	TRIMETHYLBENZENE ISOMER	9.85	83	J
4.	UNKNOWN	10.05	1300	J
5.	AROMATIC DERIVATIVE	11.09	77	J
6.	UNKNOWN	11.28	99	J
7.	UNKNOWN	11.37	230	J
8.	AROMATIC DERIVATIVE	11.74	1700	J
9.	METHYLNAPHTHALENE ISOMER	12.64	150	J
10.	METHYLNAPHTHALENE ISOMER	12.81	240	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-27D DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7067.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 5.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	-----Chloromethane		25	U
74-83-9	-----Bromomethane		25	U
75-01-4	-----Vinyl chloride		25	U
75-00-3	-----Chloroethane		25	U
75-09-2	-----Methylene chloride		50	U
67-64-1	-----Acetone		120	U
75-15-0	-----Carbon Disulfide		25	U
75-35-4	-----1,1-Dichloroethene		25	U
75-34-3	-----1,1-Dichloroethane		25	U
67-66-3	-----Chloroform		25	U
107-06-2	-----1,2-Dichloroethane		25	U
78-93-3	-----2-Butanone		120	U
71-55-6	-----1,1,1-Trichloroethane		25	U
56-23-5	-----Carbon Tetrachloride		25	U
75-27-4	-----Bromodichloromethane		25	U
78-87-5	-----1,2-Dichloropropane		25	U
10061-01-5	-----cis-1,3-Dichloropropene		25	U
79-01-6	-----Trichloroethene		25	U
124-48-1	-----Dibromochloromethane		25	U
79-00-5	-----1,1,2-Trichloroethane		25	U
71-43-2	-----Benzene		400	D
10061-02-6	-----trans-1,3-Dichloropropene		25	U
75-25-2	-----Bromoform		25	U
108-10-1	-----4-Methyl-2-pentanone		120	U
591-78-6	-----2-Hexanone		120	U
127-18-4	-----Tetrachloroethene		25	U
108-88-3	-----Toluene		25	U
79-34-5	-----1,1,2,2-Tetrachloroethane		25	U
108-90-7	-----Chlorobenzene		25	U
100-41-4	-----Ethylbenzene		300	D
100-42-5	-----Styrene		25	U
1330-20-7	-----Total Xylenes		71	D
75-71-8	-----Dichlorodifluoromethane		25	U
75-69-4	-----Trichlorofluoromethane		25	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

MW-27D DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7067.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 5.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
1634-04-4----	Methyl tert butyl ether	50	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
110-82-7-----	Cyclohexane	50	U
108-87-2-----	Methylcyclohexane	50	U
106-93-4-----	1,2-Dibromoethane	25	U
98-82-8-----	Isopropylbenzene	29	D
541-73-1-----	1,3-Dichlorobenzene	25	U
106-46-7-----	1,4-Dichlorobenzene	25	U
95-50-1-----	1,2-Dichlorobenzene	25	U
96-12-8-----	1,2-Dibromo-3-chloropropane	25	U
120-82-1-----	1,2,4-Trichlorobenzene	25	U
79-20-9-----	Methyl acetate	50	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

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Client No.

MW-27D DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52305DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7067.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____

Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 5.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE DER.	9.24	50	J
2.	TRIMETHYLBENZENE ISOMER	9.42	150	J
3.	TRIMETHYLBENZENE ISOMER	9.85	52	J
4.	UNKNOWN	10.04	1000	J
5.	AROMATIC DERIVATIVE	11.09	51	J
6.	UNKNOWN	11.28	59	J
7.	UNKNOWN	11.37	140	J
8. 91-20-3	NAPHTHALENE	11.73	1800	JN
9.	METHYLNAPHTHALENE ISOMER	12.64	100	J
10.	METHYLNAPHTHALENE ISOMER	12.81	190	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

Client No. 6

MW-27S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7057.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

74-87-3-----	Chloromethane	10 5	UUT
74-83-9-----	Bromomethane	10 5	UUT
75-01-4-----	Vinyl chloride	10 5	U
75-00-3-----	Chloroethane	10 5	U
75-09-2-----	Methylene chloride	10	UUT
67-64-1-----	Acetone	10 25	UUT
75-15-0-----	Carbon Disulfide	10 5	UUT
75-35-4-----	1,1-Dichloroethene	10 5	U
75-34-3-----	1,1-Dichloroethane	10 5	U
67-66-3-----	Chloroform	10 5	U
107-06-2-----	1,2-Dichloroethane	10 5	U
78-93-3-----	2-Butanone	10 25	U
71-55-6-----	1,1,1-Trichloroethane	10 5	U
56-23-5-----	Carbon Tetrachloride	10 5	U
75-27-4-----	Bromodichloromethane	10 5	U
78-87-5-----	1,2-Dichloropropane	10 5	U
10061-01-5----	cis-1,3-Dichloropropene	10 5	U
79-01-6-----	Trichloroethene	10 5	U
124-48-1-----	Dibromochloromethane	10 5	U
79-00-5-----	1,1,2-Trichloroethane	10 5	U
71-43-2-----	Benzene	460 350	EDJ
10061-02-6----	trans-1,3-Dichloropropene	10 5	U
75-25-2-----	Bromoform	10 5	U
108-10-1-----	4-Methyl-2-pentanone	10 25	U
591-78-6-----	2-Hexanone	10 25	U
127-18-4-----	Tetrachloroethene	10 5	U
108-88-3-----	Toluene	6	J
79-34-5-----	1,1,2,2-Tetrachloroethane	10 5	U
108-90-7-----	Chlorobenzene	10 5	U
100-41-4-----	Ethylbenzene	460 320	EDJ
100-42-5-----	Styrene	10 5	U
1330-20-7-----	Total Xylenes	82	J
75-71-8-----	Dichlorodifluoromethane	10 5	U
75-69-4-----	Trichlorofluoromethane	10 5	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-27S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7057.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10 5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10 5	U
110-82-7-----	Cyclohexane	1	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10 5	U
98-82-8-----	Isopropylbenzene	12	U
541-73-1-----	1,3-Dichlorobenzene	10 5	U
106-46-7-----	1,4-Dichlorobenzene	10 5	U
95-50-1-----	1,2-Dichlorobenzene	10 5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10 5	U
120-82-1-----	1,2,4-Trichlorobenzene	10 5	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

63

Client No.

MW-27S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52304

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7057.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	9.42	84	J
2.	TRIMETHYLBENZENE ISOMER	9.85	46	J
3.	UNKNOWN	10.04	1200	J
4.	AROMATIC DERIVATIVE	11.09	60	J
5.	AROMATIC DERIVATIVE	11.22	47	J
6.	UNKNOWN	11.28	51	J
7.	UNKNOWN	11.37	130	J
8. 91-20-3	NAPHTHALENE	11.73	780	JN
9.	AROMATIC DERIVATIVE	11.82	42	J
10.	METHYLNAPHTHALENE ISOMER	12.81	270	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

64

Client No.

MW-27S DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7066.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 5.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	25	U
74-83-9-----	Bromomethane	25	U
75-01-4-----	Vinyl chloride	25	U
75-00-3-----	Chloroethane	25	U
75-09-2-----	Methylene chloride	50	U
67-64-1-----	Acetone	120	U
75-15-0-----	Carbon Disulfide	25	U
75-35-4-----	1,1-Dichloroethene	25	U
75-34-3-----	1,1-Dichloroethane	25	U
67-66-3-----	Chloroform	25	U
107-06-2-----	1,2-Dichloroethane	25	U
78-93-3-----	2-Butanone	120	U
71-55-6-----	1,1,1-Trichloroethane	25	U
56-23-5-----	Carbon Tetrachloride	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
124-48-1-----	Dibromochloromethane	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	350	D
10061-02-6----	trans-1,3-Dichloropropene	25	U
75-25-2-----	Bromoform	25	U
108-10-1-----	4-Methyl-2-pentanone	120	U
591-78-6-----	2-Hexanone	120	U
127-18-4-----	Tetrachloroethene	25	U
108-88-3-----	Toluene	25	U
79-34-5-----	1,1,2,2-Tetrachloroethane	25	U
108-90-7-----	Chlorobenzene	25	U
100-41-4-----	Ethylbenzene	320	D
100-42-5-----	Styrene	25	U
1330-20-7-----	Total Xylenes	66	D
75-71-8-----	Dichlorodifluoromethane	25	U
75-69-4-----	Trichlorofluoromethane	25	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

6

Client No.

MW-27S DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52304DL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: E7066.RR

Level: (low/med) LOW Date Samp/Recy: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
1634-04-4----	Methyl tert butyl ether	50	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
110-82-7-----	Cyclohexane	50	U
108-87-2-----	Methylcyclohexane	50	U
106-93-4-----	1,2-Dibromoethane	25	U
98-82-8-----	Isopropylbenzene	9	DU
541-73-1-----	1,3-Dichlorobenzene	25	U
106-46-7-----	1,4-Dichlorobenzene	25	U
95-50-1-----	1,2-Dichlorobenzene	25	U
96-12-8-----	1,2-Dibromo-3-chloropropane	25	U
120-82-1-----	1,2,4-Trichlorobenzene	25	U
79-20-9-----	Methyl acetate	50	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

66

Client No.

MW-27S DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52304DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7066.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____

Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 5.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	9.42	62	J
2.	TRIMETHYLBENZENE ISOMER	9.85	32	J
3.	UNKNOWN	10.04	890	J
4.	AROMATIC DERIVATIVE	11.22	31	J
5.	UNKNOWN	11.28	31	J
6.	UNKNOWN	11.36	80	J
7. 91-20-3	NAPHTHALENE	11.73	520	JN
8.	METHYLNAPHTHALENE ISOMER	12.81	160	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

6

Client No.

MW-28D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70604

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7195.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2002 11/22/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	3	J
74-83-9-----	Bromomethane	10.8	WUJ
75-01-4-----	Vinyl chloride	10.8	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	WUJ
67-64-1-----	Acetone	10.25	WUJ
75-15-0-----	Carbon Disulfide	2	J
75-35-4-----	1,1-Dichloroethene	10.8	U
75-34-3-----	1,1-Dichloroethane	10.8	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.8	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.8	U
56-23-5-----	Carbon Tetrachloride	10.8	U
75-27-4-----	Bromodichloromethane	10.8	U
78-87-5-----	1,2-Dichloropropane	10.8	U
10061-01-5----	cis-1,3-Dichloropropene	10.8	U
79-01-6-----	Trichloroethene	10.8	U
124-48-1-----	Dibromochloromethane	10.8	U
79-00-5-----	1,1,2-Trichloroethane	10.8	U
71-43-2-----	Benzene	43	U
10061-02-6----	trans-1,3-Dichloropropene	10.8	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	16	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.8	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	78	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Total Xylenes	33	U
75-71-8-----	Dichlorodifluoromethane	10.5	WUJ
75-69-4-----	Trichlorofluoromethane	10.5	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-28D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70604

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7195.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2002 11/22/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		10	U
156-60-5-----	trans-1,2-Dichloroethene		10.5	U
1634-04-4-----	Methyl tert butyl ether		13	J
156-59-2-----	cis-1,2-Dichloroethene		10.5	U
110-82-7-----	Cyclohexane		10	U
108-87-2-----	Methylcyclohexane		2	J
106-93-4-----	1,2-Dibromoethane		10.5	U
98-82-8-----	Isopropylbenzene		2	J
541-73-1-----	1,3-Dichlorobenzene		10.8	U
106-46-7-----	1,4-Dichlorobenzene		16.8	U
95-50-1-----	1,2-Dichlorobenzene		16.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane		10.8	U
120-82-1-----	1,2,4-Trichlorobenzene		10.5	U
79-20-9-----	Methyl acetate		10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No. 6

MW-28D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B70604

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7195.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2002 11/22/2002

% Moisture: not dec. _____ Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN BENZENE DERIVATIVE	9.24	6	J
2.	TRIMETHYL BENZENE ISOMER	9.42	9	J
3.	UNKNOWN BENZENE DERIVATIVE	9.49	7	J
4. 496-11-7	INDANE	10.04	120	JN
5.	UNKNOWN BENZENE DERIVATIVE	10.24	56	J
6.	UNKNOWN PAH	11.28	6	J
7.	UNKNOWN PAH	11.36	7	J
8. 91-20-3	NAPHTHALENE	11.73	340	JN
9.	UNKNOWN NAPHTHALENE DERIV.	12.64	5	J
10.	UNKNOWN NAPHTHALENE DERIV.	12.81	6	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-28S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56101

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7092.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	100 50	U
74-83-9-----	Bromomethane	100 50	U
75-01-4-----	Vinyl chloride	100 50	U
75-00-3-----	Chloroethane	100 50	U
75-09-2-----	Methylene chloride	100	U
67-64-1-----	Acetone	100 250	U
75-15-0-----	Carbon Disulfide	100 50	U
75-35-4-----	1,1-Dichloroethene	100 50	U
75-34-3-----	1,1-Dichloroethane	100 50	U
67-66-3-----	Chloroform	100 50	U
107-06-2-----	1,2-Dichloroethane	100 50	U
78-93-3-----	2-Butanone	100 250	U
71-55-6-----	1,1,1-Trichloroethane	100 50	U
56-23-5-----	Carbon Tetrachloride	100 50	U
75-27-4-----	Bromodichloromethane	100 50	U
78-87-5-----	1,2-Dichloropropane	100 50	U
10061-01-5----	cis-1,3-Dichloropropene	100 50	U
79-01-6-----	Trichloroethene	100 50	U
124-48-1-----	Dibromochloromethane	100 50	U
79-00-5-----	1,1,2-Trichloroethane	100 50	U
71-43-2-----	Benzene	200	U
10061-02-6----	trans-1,3-Dichloropropene	100 50	U
75-25-2-----	Bromoform	100 50	U
108-10-1-----	4-Methyl-2-pentanone	100 250	U
591-78-6-----	2-Hexanone	100 250	U
127-18-4-----	Tetrachloroethene	100 50	U
108-88-3-----	Toluene	310	U
79-34-5-----	1,1,2,2-Tetrachloroethane	100 50	U
108-90-7-----	Chlorobenzene	100 50	U
100-41-4-----	Ethylbenzene	1100	U
100-42-5-----	Styrene	130	U
1330-20-7-----	Total Xylenes	970	U
75-71-8-----	Dichlorodifluoromethane	100 50	U
75-69-4-----	Trichlorofluoromethane	100 50	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-28S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56101

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7092.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U
156-60-5-----	trans-1,2-Dichloroethene	~~100~~ 50	U
1634-04-4-----	Methyl tert butyl ether	100	U
156-59-2-----	cis-1,2-Dichloroethene	~~100~~ 50	U
110-82-7-----	Cyclohexane	100	U
108-87-2-----	Methylcyclohexane	100	U
106-93-4-----	1,2-Dibromoethane	~~100~~ 50	U
98-82-8-----	Isopropylbenzene	17	J
541-73-1-----	1,3-Dichlorobenzene	~~100~~ 50	U
106-46-7-----	1,4-Dichlorobenzene	~~100~~ 50	U
95-50-1-----	1,2-Dichlorobenzene	~~100~~ 50	U
96-12-8-----	1,2-Dibromo-3-chloropropane	~~100~~ 50	U
120-82-1-----	1,2,4-Trichlorobenzene	~~100~~ 50	U
79-20-9-----	Methyl acetate	100	~~U~~ UJ

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

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Client No.

MW-28S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56101

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7092.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____

Date Analyzed: 11/23/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE DER.	9.24	84	J
2.	TRIMETHYLBENZENE ISOMER	9.42	270	J
3.	UNKNOWN	9.49	240	J
4.	TRIMETHYLBENZENE ISOMER	9.85	90	J
5.	UNKNOWN	10.04	640	J
6.	AROMATIC DERIVATIVE	10.24	1700	J
7.	UNKNOWN	11.36	100	J
8. 91-20-3	NAPHTHALENE	11.73	5800	JN
9.	METHYLNAPHTHALENE ISOMER	12.64	110	J
10.	UNSATURATED HYDROCARBON	12.81	120	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52306

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7044.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10.5	YUJ
74-83-9	Bromomethane	10.5	YUJ
75-01-4	Vinyl chloride	10.5	U
75-00-3	Chloroethane	10.5	U
75-09-2	Methylene chloride	10	YUJ
67-64-1	Acetone	10.25	YUJ
75-15-0	Carbon Disulfide	10.8	YUJ
75-35-4	1,1-Dichloroethene	10.8	U
75-34-3	1,1-Dichloroethane	10.5	U
67-66-3	Chloroform	10.5	U
107-06-2	1,2-Dichloroethane	10.5	U
78-93-3	2-Butanone	10.25	U
71-55-6	1,1,1-Trichloroethane	10.8	U
56-23-5	Carbon Tetrachloride	10.5	U
75-27-4	Bromodichloromethane	10.5	U
78-87-5	1,2-Dichloropropane	10.5	U
10061-01-5	cis-1,3-Dichloropropene	10.8	U
79-01-6	Trichloroethene	10.8	U
124-48-1	Dibromochloromethane	10.8	U
79-00-5	1,1,2-Trichloroethane	10.5	U
71-43-2	Benzene	10.5	U
10061-02-6	trans-1,3-Dichloropropene	10.5	U
75-25-2	Bromoform	10.5	U
108-10-1	4-Methyl-2-pentanone	10.25	U
591-78-6	2-Hexanone	10.25	U
127-18-4	Tetrachloroethene	10.8	U
108-88-3	Toluene	10.8	U
79-34-5	1,1,2,2-Tetrachloroethane	10.8	U
108-90-7	Chlorobenzene	10.8	U
100-41-4	Ethylbenzene	10.5	U
100-42-5	Styrene	10.8	U
1330-20-7	Total Xylenes	10.8	U
75-71-8	Dichlorodifluoromethane	10.5	YUJ
75-69-4	Trichlorofluoromethane	10.5	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

TRIP BLANK

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B52306

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7044.RR

Level: (low/med) LOW

Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No. _____

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B52306

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7044.RR

Level: (low/med) LOW Date Samp/Recv: 11/18/2002 11/19/2002

% Moisture: not dec. _____ Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

76

Client No.

TRIP BLANK

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56109

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7065.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	-----Chloromethane	10.8	YUJ
74-83-9	-----Bromomethane	10.8	YUJ
75-01-4	-----Vinyl chloride	10.8	U
75-00-3	-----Chloroethane	10.5	U
75-09-2	-----Methylene chloride	10	YUJ
67-64-1	-----Acetone	10.25	YUJ
75-15-0	-----Carbon Disulfide	10.8	YUJ
75-35-4	-----1,1-Dichloroethene	10.8	U
75-34-3	-----1,1-Dichloroethane	10.8	U
67-66-3	-----Chloroform	10.8	U
107-06-2	-----1,2-Dichloroethane	10.5	U
78-93-3	-----2-Butanone	10.25	YUJ
71-55-6	-----1,1,1-Trichloroethane	10.8	U
56-23-5	-----Carbon Tetrachloride	10.8	U
75-27-4	-----Bromodichloromethane	10.8	U
78-87-5	-----1,2-Dichloropropane	10.5	U
10061-01-5	----cis-1,3-Dichloropropene	10.8	U
79-01-6	-----Trichloroethene	10.8	U
124-48-1	-----Dibromochloromethane	10.8	U
79-00-5	-----1,1,2-Trichloroethane	10.5	U
71-43-2	-----Benzene	10.5	U
10061-02-6	----trans-1,3-Dichloropropene	10.5	U
75-25-2	-----Bromoform	10.5	U
108-10-1	-----4-Methyl-2-pentanone	10.25	U
591-78-6	-----2-Hexanone	10.25	YUJ
127-18-4	-----Tetrachloroethene	10.8	U
108-88-3	-----Toluene	10.8	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10.8	U
108-90-7	-----Chlorobenzene	10.8	U
100-41-4	-----Ethylbenzene	10.8	U
100-42-5	-----Styrene	10.8	U
1330-20-7	-----Total Xylenes	10.8	U
75-71-8	-----Dichlorodifluoromethane	10.8	YUJ
75-69-4	-----Trichlorofluoromethane	10.8	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B56109

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7065.RR

Level: (low/med) LOW Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	UW

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

78

Client No.

TRIP BLANK

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B56109

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7065.RR

Level: (low/med) LOW

Date Samp/Recv: 11/19/2002 11/20/2002

% Moisture: not dec. _____

Date Analyzed: 11/22/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No. _____

TRIP BLANK

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70606

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7196.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	108	U	
74-83-9	Bromomethane	108	YUJ	
75-01-4	Vinyl chloride	108	U	
75-00-3	Chloroethane	108	U	
75-09-2	Methylene chloride	10	YUJ	
67-64-1	Acetone	1025	YUJ	
75-15-0	Carbon Disulfide	108	YUJ	
75-35-4	1,1-Dichloroethene	108	U	
75-34-3	1,1-Dichloroethane	108	U	
67-66-3	Chloroform	108	U	
107-06-2	1,2-Dichloroethane	108	U	
78-93-3	2-Butanone	1025	U	
71-55-6	1,1,1-Trichloroethane	108	U	
56-23-5	Carbon Tetrachloride	108	U	
75-27-4	Bromodichloromethane	108	U	
78-87-5	1,2-Dichloropropane	108	U	
10061-01-5	cis-1,3-Dichloropropene	168	U	
79-01-6	Trichloroethene	108	U	
124-48-1	Dibromochloromethane	108	U	
79-00-5	1,1,2-Trichloroethane	108	U	
71-43-2	Benzene	108	U	
10061-02-6	trans-1,3-Dichloropropene	108	U	
75-25-2	Bromoform	108	U	
108-10-1	4-Methyl-2-pentanone	1025	U	
591-78-6	2-Hexanone	1025	U	
127-18-4	Tetrachloroethene	108	U	
108-88-3	Toluene	108	U	
79-34-5	1,1,2,2-Tetrachloroethane	108	U	
108-90-7	Chlorobenzene	108	U	
100-41-4	Ethylbenzene	108	U	
100-42-5	Styrene	108	U	
1330-20-7	Total Xylenes	108	U	
75-71-8	Dichlorodifluoromethane	108	YUJ	
75-69-4	Trichlorofluoromethane	108	U	

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

TRIP BLANK

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: MW24S

Matrix: (soil/water) WATER

Lab Sample ID: A2B70606

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7196.RR

Level: (low/med) LOW

Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		10	U
156-60-5-----	trans-1,2-Dichloroethene		10.8	U
1634-04-4----	Methyl tert butyl ether		10	U
156-59-2-----	cis-1,2-Dichloroethene		10.5	U
110-82-7-----	Cyclohexane		10	U
108-87-2-----	Methylcyclohexane		10	U
106-93-4-----	1,2-Dibromoethane		10.8	U
98-82-8-----	Isopropylbenzene		10.8	U
541-73-1-----	1,3-Dichlorobenzene		10.5	U
106-46-7-----	1,4-Dichlorobenzene		10.8	U
95-50-1-----	1,2-Dichlorobenzene		10.8	U
96-12-8-----	1,2-Dibromo-3-chloropropane		10.5	U
120-82-1-----	1,2,4-Trichlorobenzene		10.8	U
79-20-9-----	Methyl acetate		10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

81

Client No. _____

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MW24S

Matrix: (soil/water) WATER Lab Sample ID: A2B70606

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7196.RR

Level: (low/med) LOW Date Samp/Recv: 11/20/2002 11/22/2002

% Moisture: not dec. _____ Date Analyzed: 11/27/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	2.60	5	J
2. 91-20-3	NAPHTHALENE	11.73	12	JN

SEMIVOLATILE ANALYSES

Introduction

Analyses were performed according to EPA SW-846 Method 8270 as referenced in the NYSDEC-ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The method specified holding times for semivolatile analyses under NYSASP are 5 days from sample receipt to extraction and 40 days to analysis. The technical holding times for waters are 7 days from sample collection to extraction and 40 days to analysis.

All samples were extracted and analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method, field, and rinse blanks) are prepared to identify any contamination which may have been introduced in to the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure contamination of samples during field operations.

Di-n-octylphthalate was detected in the method blanks. Based on the blank content, data for di-n-octylphthalate have been qualified as undetected in samples MW-14, MW-18S, MW-24S, MW-25S, MW-26S, MW-27D, MW-27S, and MW-28S.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) limits for select compounds only and allows four outliers. A technical review of the data applies limits to all compounds with no exceptions.

The %RSD were less than 30% and the response factors were greater than 0.05 for all compounds.

4.2 Continuing Calibration

The response for several compounds in the continuing calibration standards were outside 25% difference (%D) of the initial calibration, as

summarized on the attached calibration summary sheets. All associated data have been qualified as estimated based on the %D.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

Surrogates were diluted beyond the range of quantitation in samples DUP-2 DL, MW-28S DL and MW-27D. No data have been qualified based on the diluted surrogates. Recovery for one surrogate was above control limits in sample MW-28S MS. Since all other surrogate recoveries were within control limits, no data have been qualified based on the deviation. All other surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every experimental run.

The response for one internal standard was below established limits in sample MW-28S MS. Data for all compounds quantitated under the non-compliant standard have been qualified as estimated based on the deviation. All other internal standard areas and retention times were within established limits.

7. Compound Identification

Compounds are identified on the GC/MS by using the analyte's relative retention time and ion spectra.

All identified compounds met the specified criteria.

8. Matrix Spike/Matrix Spike Duplicate

Matrix spike, matrix spike duplicate data are used to assess the precision and accuracy of the analytical method.

Recovery for acenaphthene was below control limits in the matrix spike duplicate. Data for acenaphthene have been qualified as estimated in sample MW-28S. Recoveries for 4-chloro-3-methylphenol and pentachlorophenol were above control limits. Since no 4-chloro-3-methylphenol or pentachlorophenol were detected in the samples no data have been qualified based on the deviations.

9. Matrix Spike Blank

The matrix spike blank recovery was above control limits for 2,4-dinitrotoluene. Since no 2,4-dinitrotoluene was detected in the samples, the high recovery has

no impact on the reported data. All other matrix spike blank recoveries were within control limits.

10. Field Duplicate

Results for duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-28S / DUP-2	phenol	4J	3J	28.6%
	acetophenone	2J	ND	NA
	2,4-dimethylphenol	ND	6J	NA
	naphthalene	5400	5800	7.1%
	2-methylnaphthalene	200	210	4.9%
	biphenyl	54	ND	NA
	acenaphthylene	150	160	6.5%
	acenaphthene	70	67	4.4%
	dibenzofuran	5J	5J	0.0%
	fluorene	47	45	4.3%
	phenanthrene	51	49	4.0%
	anthracene	9J	8J	11.8%
	carbazole	7J	7J	0.0%
	fluoranthene	5J	5J	0.0%
	pyrene	4J	4J	0.0%
	benzo(a)anthracene	0.3J	0.3J	0.0%

ND Not detected

NA Analyte not detected in the sample and/or duplicate. RPD not applicable

The duplicate results are acceptable.

11. General Comments

Data for the positively identified compounds were quantitated using the daily standard response rather than the method-specified initial calibration response. All positive data should be considered estimated based on the method deviation.

12. System Performance and Overall Assessment

Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checksheets

DATA REVIEW FOR

NMPC
NORTH ALBANY

SDG# GWMW3

VOLATILE, SEMIVOLATILE,
AND INORGANIC ANALYSES

Analyses performed by:

Severn Trent Laboratories, Inc.
Amherst, New York

Review performed by:

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Blasland, Bouck & Lee, Inc.
Syracuse, New York

Summary

The following is an assessment of the data package for SDG# GWMW3 for sampling at NMPC-North Albany. Included with this assessment are the data review check sheets used in the review of the package and corrected sample results. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Date	Analysis			
				VOA	BNA	PCB	TAL
MW-3	A2B20501	water	11/11/02	x	x		x
MW-20D	A2B20502	water	11/11/02	x	x		x
Trip Blank1	A2B20503	water	--	x			
MW-9	A2B27901	water	11/12/02	x	x		x
Trip Blank2	A2B27902	water	--	x			
MW-1	A2B35701	water	11/13/02	x	x		x
MW-17S ¹	A2B35702	water	11/13/02	x	x		x
MW-17D	A2B35703	water	11/13/02	x	x		x
MW-18S	A2B35704	water	11/13/02	x	x ²		x
MW-15S	A2B56103	water	11/13/02	x ²	x		x
DUP-1	A2B35706	water	11/13/02	x	x		x
Trip Blank3	A2B35707	water	--	x			
MW-16D	A2B40501	water	11/14/02	x	x		x
MW-16R	A2B40502	water	11/14/02	x	x		x
MW-19D	A2B40503	water	11/14/02	x	x		x
MW-12	A2B40504	water	11/14/02	x	x		x
MW-11	A2B40505	water	11/14/02	x	x		x
PZ-02	A2B40506	water	11/14/02	x	x		x
Trip Blank4	A2B40507	water	--	x			
MW-23S	A2B45901	water	11/15/02	x	x		x
PZ-01S	A2B45902	water	11/15/02	x	x		x
PZ-01D	A2B45903	water	11/15/02	x	x		x
Trip Blank5	A2B45904	water	--	x			

1 MS/MSD analysis performed on sample.

2 Bottles for this parameter broken upon receipt. No data available for this parameter.

VOLATILE ANALYSES

Introduction

Analyses were performed according to USEPA SW-846 Method 8260 as referenced in NYSDEC-ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding time for volatile analyses under NYSASP is 10 days from sample receipt. The technical holding time for preserved waters is 14 days from sample collection.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method, trip, field, and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure contamination of samples during shipment. Field and rinse blanks measure contamination of samples during field operations.

1,2,4-Trichlorobenzene was detected in one of the method blanks. Since no 1,2,4-trichlorobenzene was detected in the associated samples no data have been qualified based on the blank content.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) limits for select compounds only and allows two outliers. A technical review of the data applies limits to all compounds with no exceptions.

The %RSD were greater than 30% for dichlorofluoromethane and methylene chloride. Data for the listed compounds have been qualified as estimated in associated samples based on the deviations. The response factors were greater than 0.05 for all compounds.

4.2 Continuing Calibration

The method species percent drift (%D) criteria for select compounds only. A technical review applies limits to all compounds with no exceptions.

The response for several compounds in the continuing calibration standards were outside 25% difference (%D) of the initial calibration, as summarized on the attached calibration summary sheets. All data for compounds with decreasing responses and all positive data for compounds with increasing responses have been qualified as estimated based on the %D.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

All surrogate recoveries were within control limits .

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every experimental run.

All internal standard areas and retention times were within established limits.

7. Compound Identification

Compounds are identified on the GC/MS by using the analyte's relative retention time and ion spectra.

All identified compounds met the specified criteria.

8. Matrix Spike/Matrix Spike Duplicate

Matrix spike and matrix spike duplicate data are used to assess the precision and accuracy of the analytical method.

The matrix spike duplicate recovery and relative percent difference between recoveries were above control limits for benzene. Data for benzene in sample MW-17S has been qualified as estimated with a potential high bias based on the deviation.

9. Matrix Spike Blank

All matrix spike blank recoveries were within control limits.

10. Field Duplicates

Results for duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-17S / DUP-1	benzene	31	8	117.9%
	isopropylbenzene	1J	ND	NA

ND Not detected

NA Analyte not detected in the sample and/or duplicate. RPD not applicable

The duplicate results are unacceptable. All data for benzene have been qualified as estimated based on the duplicate results.

11. General Comments

The quantitation limits reported for several compounds were inconsistent with the instrument calibration range. All data have been corrected to reflect the proper quantitation limits.

Data for the positively identified compounds were quantitated using the daily standard response rather than the method-specified initial calibration response. All positive data should be considered estimated based on the method deviation.

12. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checklist

Volatile Organics Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Have any missing deliverables been received and added to the data package?	<u> </u>	<u> X </u>	<u> </u>
Is there a narrative or cover letter present?	<u> X </u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> X </u>	<u> </u>	<u> </u>
Are the sample chain-of-custodies present?	<u> X </u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> X </u>	<u> </u>	<u> </u>
<u>Holding Times</u>			
Have any holding times been exceeded?	<u> </u>	<u> X </u>	<u> </u>
<u>Surrogate Recovery</u>			
Are surrogate recovery forms present?	<u> X </u>	<u> </u>	<u> </u>
Are all samples listed on the surrogate recovery form?	<u> X </u>	<u> </u>	<u> </u>
Was one or more surrogate recovery outside of specified limits for any sample or blank?	<u> </u>	<u> X </u>	<u> </u>
If yes, were the samples reanalyzed?	<u> </u>	<u> </u>	<u> X </u>
Are there any transcription/calculation errors between the raw data and the summary form?	<u> </u>	<u> X </u>	<u> </u>
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> X </u>	<u> </u>	<u> </u>
Were matrix spikes analyzed at the required frequency?	<u> X </u>	<u> </u>	<u> </u>
How many spike recoveries were outside of QC limits?			
<u> 1 </u> out of <u> 10 </u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
<u> 1 </u> out of <u> 5 </u>			
<u>Blanks</u>			
Is a method blank summary form present?	<u> X </u>	<u> </u>	<u> </u>
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	<u> X </u>	<u> </u>	<u> </u>
Has a blank been analyzed at least once every twelve hours for each system used?	<u> X </u>	<u> </u>	<u> </u>
Do any method/instrument blanks have positive results?	<u> X </u>	<u> </u>	<u> </u>
Are field/rinse blanks associated with every sample?	<u> X </u>	<u> </u>	<u> </u>
Do any trip/field/rinse blanks have positive results?	<u> </u>	<u> X </u>	<u> </u>

Volatile Organics Data Validation Checklist - Page 2

	YES	NO	NA
<u>Tuning and Mass Calibration</u>			
Are the GC/MS tuning forms present for BFB?	<u> X </u>	<u> </u>	<u> </u>
Are the bar graph spectrum and mass/charge listing provided for each BFB?	<u> X </u>	<u> </u>	<u> </u>
Has a BFB been analyzed for each twelve hours of analysis per instrument?	<u> X </u>	<u> </u>	<u> </u>
Have the ion abundance criteria been met for each instrument used?	<u> X </u>	<u> </u>	<u> </u>
<u>Target Analytes</u>			
Is an organics analysis data sheet present for each of the following:			
Samples	<u> X </u>	<u> </u>	<u> </u>
Matrix spikes	<u> X </u>	<u> </u>	<u> </u>
Blanks	<u> X </u>	<u> </u>	<u> </u>
Are the reconstructed ion chromatograms present for each of the following:			
Samples	<u> X </u>	<u> </u>	<u> </u>
Matrix spikes	<u> X </u>	<u> </u>	<u> </u>
Blanks	<u> X </u>	<u> </u>	<u> </u>
Is the chromatographic performance acceptable?	<u> X </u>	<u> </u>	<u> </u>
Are the mass spectra of the identified compounds present?	<u> X </u>	<u> </u>	<u> </u>
Are all ions present in the standard mass spectrum at a relative intensity of 10% or greater also present in the sample spectrum?	<u> X </u>	<u> </u>	<u> </u>
Do the samples and standard relative ion intensities agree within 20%?	<u> X </u>	<u> </u>	<u> </u>
<u>Tentatively Identified Compounds</u>			
Are all the TIC summary forms present?	<u> X </u>	<u> </u>	<u> </u>
Are the mass spectra for the tentatively identified compounds and their associated "best match" spectra present?	<u> X </u>	<u> </u>	<u> </u>
Are any target compounds listed as TICs?	<u> </u>	<u> X </u>	<u> </u>
Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	<u> X </u>	<u> </u>	<u> </u>
Do the TIC and "best match" spectrum agree within 20%?	<u> X </u>	<u> </u>	<u> </u>

Volatile Organics Data Validation Checklist - Page 3

	YES	NO	NA
<u>Quantitation and Detection Limits</u>			
Are there any transcription/calculation errors in the Form 1 results?	<u> </u>	<u> X </u>	<u> </u>
Are the reporting limits adjusted to reflect sample dilutions and, for soils, sample moisture?	<u> </u>	<u> X </u>	<u> </u>
<u>Standard Data</u>			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	<u> X </u>	<u> </u>	<u> </u>
<u>Initial Calibration</u>			
Are the initial calibration forms present for each instrument used?	<u> X </u>	<u> </u>	<u> </u>
Are the response factor RSDs within acceptable limits?	<u> </u>	<u> X </u>	<u> </u>
Are the average RRFs $\geq$ minimum requirements?	<u> X </u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors in reporting the RRFs or RSDs?	<u> </u>	<u> X </u>	<u> </u>
<u>Continuing Calibration</u>			
Are the continuing calibration forms present for each day and each instrument?	<u> X </u>	<u> </u>	<u> </u>
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	<u> X </u>	<u> </u>	<u> </u>
All %D within acceptable limits?	<u> </u>	<u> X </u>	<u> </u>
Are all RF $\geq$ minimum requirements?	<u> X </u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors in reporting of RF or %D?	<u> </u>	<u> X </u>	<u> </u>
<u>Internal Standards</u>			
Are internal standard areas of every sample within the upper and lower limits for each continuing calibration?	<u> X </u>	<u> </u>	<u> </u>
Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	<u> X </u>	<u> </u>	<u> </u>
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u> X </u>	<u> </u>	<u> </u>

Volatile Qualifier Summary
Holding Time, Surrogates, Internal Standards

Sample ID	Holding Time	Surrogates*			Internal Standards*		
		BFB	DCE	TOL	BCM	CBZ	DFB
MW-3							
MW-20D							
MW-9							
MW-1							
MW-17S							
MW-17S MS							
MW-17S MSD							
MW-17D							
MW-18S							
DUP-1							
MW-16D							
MW-16R							
MW-19D							
MW-12							
MW-11							
PZ-02							
MW-23S							
PZ-01S							
PZ-01D							
Trip Blank1							
Trip Blank2							
Trip Blank3							
Trip Blank4							
Trip Blank5							

Surrogates:

BFB Bromofluorobenzene
DCE 1,4-Dichloroethane-d4
TOL Toluene-d8

Internal Standards:

BCM Bromochloromethane
CBZ Chlorobenzene-d5
DFB 1,4-Difluorobenzene

Qualifiers:

D Diluted
! Recovery high
! Recovery low
!! Recovery <25%

* Unless otherwise specified, all parameters are within acceptable limits.

Volatile Calibration Outliers

Instrument: HP5973F

Matrix: water

Level: low

Date/Time	10/15/02		11/21/05		11/21/05		11/21/05		11/21/05	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
chloromethane				-26.4						
vinyl chloride										
bromomethane				-33.4						
chloroethane										
1,1-dichloroethene										
acetone				-36.1						
methylene chloride				-27.9						
carbon disulfide				-32.8						
1,1-dichloroethane										
2-butanone										
chloroform										
1,1,1-trichloroethane										
carbon tetrachloride										
benzene										
1,2-dichloroethane										
trichloroethene										
1,2-dichloropropane										
bromodichloromethane										
cis-1,3-dichloropropene										
4-methyl-2-pentanone										
toluene										
trans-1,3-dichloropropene										
1,1,2-trichloroethane										
tetrachloroethene										
2-hexanone										
dibromochloromethane										
chlorobenzene										
ethylbenzene										
1,1,2,2-tetrachloroethane										
dichlorodifluoromethane		31.7		-71.4						
trichlorofluoromethane										
Freon-TF										
trans-1,2-dichloroethene										

Volatile Calibration Outliers - Page 2

Date/Time	10/15/02		11/21/058							
	Initial Cal		Cont. Cal		Cont. Cal		Cont. Cal		Cont. Cal	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
cis-1,2-dichloroethene										
cyclohexane										
methylcyclohexane										
1,2-dibromoethane										
isopropylbenzene										
1,3-dichlorobenzene										
1,4-dichlorobenzene										
1,2-dichlorobenzene										
1,2-dibromo-3-chloropropane				-25.5						
1,2,4-trichlorobenzene										
methyl acetate				-46.3						
xylene (total)										
styrene										
bromoform										
methyltertbutylether										
Affected Samples	MW-23S		MW-23S							
	PZ-01D		PZ-01D							
	PZ-01S		PZ-01S							
	Trip Blank5		Trip Blank5							

Volatile Calibration Outliers - Page 3

Instrument: HP5973N

Matrix: water

Level: low

Date/Time	11/15/02		11/15/1608		11/17/1437					
	Initial Cal		Cont. Cal		Cont. Cal		Cont. Cal		Cont. Cal	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
chloromethane										
vinyl chloride										
bromomethane						-32.0				
chloroethane										
1,1-dichloroethene										
acetone						+55.6				
methylene chloride		43.2		-46.3		+45.6				
carbon disulfide										
1,1-dichloroethane										
2-butanone						+26.4				
chloroform										
1,1,1-trichloroethane										
carbon tetrachloride										
benzene										
1,2-dichloroethane										
trichloroethene										
1,2-dichloropropane										
bromodichloromethane										
cis-1,3-dichloropropene										
4-methyl-2-pentanone										
toluene										
trans-1,3-dichloropropene										
1,1,2-trichloroethane										
tetrachloroethene										
2-hexanone										
dibromochloromethane										
chlorobenzene										
ethylbenzene										
1,1,2,2-tetrachloroethane										
dichlorodifluoromethane										
trichlorofluoromethane										
Freon-TF										
trans-1,2-dichloroethene										

Volatile Calibration Outliers - Page 4

Date/Time	11/15/02		11/15 1608		11/17 1437					
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
cis-1,2-dichloroethene										
cyclohexane										
methylcyclohexane										
1,2-dibromoethane										
isopropylbenzene										
1,3-dichlorobenzene										
1,4-dichlorobenzene										
1,2-dichlorobenzene										
1,2-dibromo-3-chloropropane										
1,2,4-trichlorobenzene										
methyl acetate										
xylene (total)										
styrene										
bromoform										
methyltertbutylether										
Affected Samples	DUP-1		MW-1		DUP-1					
	MW-1		MW-3		MW-11					
	MW-3		MW-9		MW-12					
	MW-9		MW-17D		MW-16D					
	MW-11		MW-17S		MW-16R					
	MW-12		MW-20D		MW-18S					
	MW-16D		Trip Blank1		MW-19D					
	MW-16R		Trip Blank2		PZ-02					
	MW-17D		Trip Blank3		Trip Blank4					
	MW-17S									
	MW-18S									
	MW-19D									
	MW-20D									
	PZ-02									
	Trip Blank1									
	Trip Blank2									
	Trip Blank3									
	Trip Blank4									

Corrected Sample Analysis Data Sheets

DUP-1

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B35706Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3061.RRLevel: (low/med) LOWDate Samp/Recv: 11/13/2002 11/14/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/17/2002Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	-----Chloromethane	10 5	U
74-83-9	-----Bromomethane	10 5	U
75-01-4	-----Vinyl chloride	10 5	U
75-00-3	-----Chloroethane	10 5	U
75-09-2	-----Methylene chloride	10	U
67-64-1	-----Acetone	10 25	U
75-15-0	-----Carbon Disulfide	10 5	U
75-35-4	-----1,1-Dichloroethene	10 5	U
75-34-3	-----1,1-Dichloroethane	10 5	U
67-66-3	-----Chloroform	10 5	U
107-06-2	-----1,2-Dichloroethane	10 5	U
78-93-3	-----2-Butanone	10 25	U
71-55-6	-----1,1,1-Trichloroethane	10 5	U
56-23-5	-----Carbon Tetrachloride	10 5	U
75-27-4	-----Bromodichloromethane	10 5	U
78-87-5	-----1,2-Dichloropropane	10 5	U
10061-01-5	-----cis-1,3-Dichloropropene	10 5	U
79-01-6	-----Trichloroethene	10 5	U
124-48-1	-----Dibromochloromethane	10 5	U
79-00-5	-----1,1,2-Trichloroethane	10 5	U
71-43-2	-----Benzene	8	U
10061-02-6	-----trans-1,3-Dichloropropene	10 5	U
75-25-2	-----Bromoform	10 5	U
108-10-1	-----4-Methyl-2-pentanone	10 25	U
591-78-6	-----2-Hexanone	10 25	U
127-18-4	-----Tetrachloroethene	10 5	U
108-88-3	-----Toluene	10 5	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10 5	U
108-90-7	-----Chlorobenzene	10 5	U
100-41-4	-----Ethylbenzene	10 5	U
100-42-5	-----Styrene	10 5	U
1330-20-7	-----Total Xylenes	10 5	U
75-71-8	-----Dichlorodifluoromethane	10 5	U
75-69-4	-----Trichlorofluoromethane	10 5	U

DUP-1

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B35706Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3061.RRLevel: (low/med) LOWDate Samp/Recv: 11/13/2002 11/14/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/17/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	~~10.5~~	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	~~10.5~~	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	~~16.5~~	U
98-82-8-----	Isopropylbenzene	~~16.5~~	U
541-73-1-----	1,3-Dichlorobenzene	~~10.5~~	U
106-46-7-----	1,4-Dichlorobenzene	~~10.5~~	U
95-50-1-----	1,2-Dichlorobenzene	~~10.5~~	U
96-12-8-----	1,2-Dibromo-3-chloropropane	~~10.5~~	U
120-82-1-----	1,2,4-Trichlorobenzene	~~10.5~~	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000017

Client No.

DUP-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35706

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3061.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

% Moisture: not dec. _____

Date Analyzed: 11/17/2002

Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	17.51	50	J

000018

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3Matrix: (soil/water) WATER Lab Sample ID: A2B35701Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3046.RRLevel: (low/med) LOW Date Samp/Recv: 11/13/2002 11/14/2002% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/15/2002GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.5	U
74-83-9-----	Bromomethane	10.5	U
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.5	U
75-35-4-----	1,1-Dichloroethene	10.5	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.5	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.5	U
56-23-5-----	Carbon Tetrachloride	10.5	U
75-27-4-----	Bromodichloromethane	10.5	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.5	U
79-00-5-----	1,1,2-Trichloroethane	10.5	U
71-43-2-----	Benzene	10.5	U
10061-02-6----	trans-1,3-Dichloropropene	10.5	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.5	U
108-88-3-----	Toluene	10.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	10.5	U
100-42-5-----	Styrene	10.5	U
1330-20-7----	Total Xylenes	10.5	U
75-71-8-----	Dichlorodifluoromethane	10.5	U
75-69-4-----	Trichlorofluoromethane	10.5	U

000019

Client No.

MW-1

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B35701Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3046.RRLevel: (low/med) LOWDate Samp/Recv: 11/13/2002 11/14/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	105	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	105	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	105	U
98-82-8-----	Isopropylbenzene	105	U
541-73-1-----	1,3-Dichlorobenzene	105	U
106-46-7-----	1,4-Dichlorobenzene	105	U
95-50-1-----	1,2-Dichlorobenzene	105	U
96-12-8-----	1,2-Dibromo-3-chloropropane	105	U
120-82-1-----	1,2,4-Trichlorobenzene	105	U
79-20-9-----	Methyl acetate	10	U

000020

Client No. _____

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B35701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3046.RR

Level: (low/med) LOW Date Samp/Recv: 11/13/2002 11/14/2002

% Moisture: not dec. _____ Date Analyzed: 11/15/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

000021

Client No.

MW-3

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B20501Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3041.RRLevel: (low/med) LOWDate Samp/Recv: 11/11/2002 11/12/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002C Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q

74-87-3-----	Chloromethane	10.5	U
74-83-9-----	Bromomethane	10.5	U
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.5	U
75-35-4-----	1,1-Dichloroethene	10.5	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.5	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.5	U
56-23-5-----	Carbon Tetrachloride	10.5	U
75-27-4-----	Bromodichloromethane	10.5	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.5	U
79-00-5-----	1,1,2-Trichloroethane	10.5	U
71-43-2-----	Benzene	10.8	U
10061-02-6----	trans-1,3-Dichloropropene	10.5	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.5	U
108-88-3-----	Toluene	10.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	10.5	U
100-42-5-----	Styrene	10.5	U
1330-20-7-----	Total Xylenes	10.5	U
75-71-8-----	Dichlorodifluoromethane	10.5	U
75-69-4-----	Trichlorofluoromethane	10.5	U

000022

Client No. MW-3Lab Name: STL Buffalo Contract: _____Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B20501Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3041.RRLevel: (low/med) LOWDate Samp/Recv: 11/11/2002 11/12/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	~~10~~ 5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	~~10~~ 5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	~~10~~ 5	U
98-82-8-----	Isopropylbenzene	~~10~~ 5	U
541-73-1-----	1,3-Dichlorobenzene	~~10~~ 5	U
106-46-7-----	1,4-Dichlorobenzene	~~10~~ 5	U
95-50-1-----	1,2-Dichlorobenzene	~~10~~ 5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	~~10~~ 5	U
120-82-1-----	1,2,4-Trichlorobenzene	~~10~~ 5	U
79-20-9-----	Methyl acetate	10	U

MW-3

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B20501

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3041.RR

Level: (low/med) LOW

Date Samp/Recv: 11/11/2002 11/12/2002

% Moisture: not dec. _____

Date Analyzed: 11/15/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

Client No. _____

MW-9

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B27901

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3044.RR

Level: (low/med) LOW Date Samp/Recv: 11/12/2002 11/13/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/15/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10.5	U
74-83-9	Bromomethane	10.5	U
75-01-4	Vinyl chloride	10.5	U
75-00-3	Chloroethane	10.5	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10.25	U
75-15-0	Carbon Disulfide	10.5	U
75-35-4	1,1-Dichloroethene	10.5	U
75-34-3	1,1-Dichloroethane	10.5	U
67-66-3	Chloroform	10.5	U
107-06-2	1,2-Dichloroethane	10.5	U
78-93-3	2-Butanone	10.25	U
71-55-6	1,1,1-Trichloroethane	16.5	U
56-23-5	Carbon Tetrachloride	10.5	U
75-27-4	Bromodichloromethane	10.5	U
78-87-5	1,2-Dichloropropane	10.5	U
10061-01-5	cis-1,3-Dichloropropene	10.5	U
79-01-6	Trichloroethene	10.5	U
124-48-1	Dibromochloromethane	10.5	U
79-00-5	1,1,2-Trichloroethane	10.5	U
71-43-2	Benzene	10.5	U
10061-02-6	trans-1,3-Dichloropropene	10.5	U
75-25-2	Bromoform	10.5	U
108-10-1	4-Methyl-2-pentanone	10.25	U
591-78-6	2-Hexanone	10.25	U
127-18-4	Tetrachloroethene	10.5	U
108-88-3	Toluene	10.5	U
79-34-5	1,1,2,2-Tetrachloroethane	16.5	U
108-90-7	Chlorobenzene	10.5	U
100-41-4	Ethylbenzene	10.5	U
100-42-5	Styrene	10.5	U
1330-20-7	Total Xylenes	10.5	U
75-71-8	Dichlorodifluoromethane	10.5	U
75-69-4	Trichlorofluoromethane	10.5	U

000025

Client No.

MW-9

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B27901Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3044.RRLevel: (low/med) LOWDate Samp/Recv: 11/12/2002 11/13/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002C Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----1,1,2-Trichloro-1,2,2-trifluoroethane

10

U

156-60-5-----trans-1,2-Dichloroethene

105

U

1634-04-4----Methyl tert butyl ether

10

U

156-59-2-----cis-1,2-Dichloroethene

105

U

110-82-7-----Cyclohexane

10

U

108-87-2-----Methylcyclohexane

10

U

106-93-4-----1,2-Dibromoethane

105

U

98-82-8-----Isopropylbenzene

105

U

541-73-1-----1,3-Dichlorobenzene

105

U

106-46-7-----1,4-Dichlorobenzene

105

U

95-50-1-----1,2-Dichlorobenzene

105

U

96-12-8-----1,2-Dibromo-3-chloropropane

105

U

120-82-1-----1,2,4-Trichlorobenzene

105

U

79-20-9-----Methyl acetate

10

U

MW-9

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B27901

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3044.RR

Level: (low/med) LOW Date Samp/Recv: 11/12/2002 11/13/2002

% Moisture: not dec. _____ Date Analyzed: 11/15/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

000027

Client No.

MW-11

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATER Lab Sample ID: A2B40505Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3069.RRLevel: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/17/2002GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	105	U
74-83-9-----	Bromomethane	105	U
75-01-4-----	Vinyl chloride	105	U
75-00-3-----	Chloroethane	105	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	2	U
75-15-0-----	Carbon Disulfide	105	U
75-35-4-----	1,1-Dichloroethene	105	U
75-34-3-----	1,1-Dichloroethane	105	U
67-66-3-----	Chloroform	105	U
107-06-2-----	1,2-Dichloroethane	105	U
78-93-3-----	2-Butanone	1025	U
71-55-6-----	1,1,1-Trichloroethane	105	U
56-23-5-----	Carbon Tetrachloride	105	U
75-27-4-----	Bromodichloromethane	105	U
78-87-5-----	1,2-Dichloropropane	105	U
10061-01-5----	cis-1,3-Dichloropropene	105	U
79-01-6-----	Trichloroethene	105	U
124-48-1-----	Dibromochloromethane	105	U
79-00-5-----	1,1,2-Trichloroethane	105	U
71-43-2-----	Benzene	105	U
10061-02-6----	trans-1,3-Dichloropropene	105	U
75-25-2-----	Bromoform	105	U
108-10-1-----	4-Methyl-2-pentanone	1025	U
591-78-6-----	2-Hexanone	1025	U
127-18-4-----	Tetrachloroethene	105	U
108-88-3-----	Toluene	105	U
79-34-5-----	1,1,2,2-Tetrachloroethane	105	U
108-90-7-----	Chlorobenzene	105	U
100-41-4-----	Ethylbenzene	105	U
100-42-5-----	Styrene	105	U
1330-20-7-----	Total Xylenes	105	U
75-71-8-----	Dichlorodifluoromethane	105	U
75-69-4-----	Trichlorofluoromethane	105	U

000028

Client No. _____

MW-11

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B40505Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3069.RRLevel: (low/med) LOWDate Samp/Recv: 11/14/2002 11/15/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/17/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10 ~~5~~	U
1634-04-4-----	Methyl tert butyl ether	1	J
156-59-2-----	cis-1,2-Dichloroethene	10 ~~5~~	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10 ~~5~~	U
98-82-8-----	Isopropylbenzene	10 ~~5~~	U
541-73-1-----	1,3-Dichlorobenzene	10 ~~5~~	U
106-46-7-----	1,4-Dichlorobenzene	10 ~~5~~	U
95-50-1-----	1,2-Dichlorobenzene	10 ~~5~~	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10 ~~5~~	U
120-82-1-----	1,2,4-Trichlorobenzene	10 ~~5~~	U
79-20-9-----	Methyl acetate	10	U

000029

Client No.

MW-11

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40505

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3069.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: not dec. _____

Date Analyzed: 11/17/2002

Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

000030

Client No. _____

MW-12

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B40504Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3068.RRLevel: (low/med) LOWDate Samp/Recv: 11/14/2002 11/15/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/17/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.5	U
74-83-9-----	Bromomethane	10.5	U
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.5	U
75-35-4-----	1,1-Dichloroethene	10.5	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.5	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.5	U
56-23-5-----	Carbon Tetrachloride	10.5	U
75-27-4-----	Bromodichloromethane	10.5	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.5	U
79-00-5-----	1,1,2-Trichloroethane	10.5	U
71-43-2-----	Benzene	10.5	U
10061-02-6----	trans-1,3-Dichloropropene	10.5	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.5	U
108-88-3-----	Toluene	10.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	10.5	U
100-42-5-----	Styrene	10.5	U
1330-20-7-----	Total Xylenes	10.5	U
75-71-8-----	Dichlorodifluoromethane	10.5	U
75-69-4-----	Trichlorofluoromethane	10.5	U

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000031

Client No.

MW-12

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B40504

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3068.RR

Level: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10-5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10-5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10-5	U
98-82-8-----	Isopropylbenzene	10-5	U
541-73-1-----	1,3-Dichlorobenzene	10-5	U
106-46-7-----	1,4-Dichlorobenzene	10-5	U
95-50-1-----	1,2-Dichlorobenzene	10-5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10-5	U
120-82-1-----	1,2,4-Trichlorobenzene	10-5	U
79-20-9-----	Methyl acetate	10	U

000032

Client No. _____

MW-12

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B40504

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3068.RR

Level: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002

% Moisture: not dec. _____ Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNSATURATED HYDROCARBON	16.92	29	J

000033

Client No.

MW-16D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B40501Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3065.RRLevel: (low/med) LOWDate Samp/Recv: 11/14/2002 11/15/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/17/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	16 5	U
74-83-9-----	Bromomethane	10 5	U
75-01-4-----	Vinyl chloride	10 5	U
75-00-3-----	Chloroethane	10 5	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	16 25	U
75-15-0-----	Carbon Disulfide	10 5	U
75-35-4-----	1,1-Dichloroethene	10 5	U
75-34-3-----	1,1-Dichloroethane	10 5	U
67-66-3-----	Chloroform	10 5	U
107-06-2-----	1,2-Dichloroethane	16 5	U
78-93-3-----	2-Butanone	10 25	U
71-55-6-----	1,1,1-Trichloroethane	10 5	U
56-23-5-----	Carbon Tetrachloride	10 5	U
75-27-4-----	Bromodichloromethane	10 5	U
78-87-5-----	1,2-Dichloropropane	10 5	U
10061-01-5----	cis-1,3-Dichloropropene	10 5	U
79-01-6-----	Trichloroethene	10 5	U
124-48-1-----	Dibromochloromethane	10 5	U
79-00-5-----	1,1,2-Trichloroethane	16 5	U
71-43-2-----	Benzene	10 5	U
10061-02-6----	trans-1,3-Dichloropropene	10 5	U
75-25-2-----	Bromoform	10 5	U
108-10-1-----	4-Methyl-2-pentanone	10 25	U
591-78-6-----	2-Hexanone	16 25	U
127-18-4-----	Tetrachloroethene	10 5	U
108-88-3-----	Toluene	10 5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10 5	U
108-90-7-----	Chlorobenzene	10 5	U
100-41-4-----	Ethylbenzene	10 5	U
100-42-5-----	Styrene	10 5	U
1330-20-7-----	Total Xylenes	10 5	U
75-71-8-----	Dichlorodifluoromethane	10 5	U
75-69-4-----	Trichlorofluoromethane	10 5	U

MW-16D

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B40501Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3065.RRLevel: (low/med) LOWDate Samp/Recv: 11/14/2002 11/15/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/17/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	12	J
156-59-2-----	cis-1,2-Dichloroethene	16.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	16.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	16.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	16.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

000035

Client No.

MW-16D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40501

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3065.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: not dec. _____

Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	17.50	52	J

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000036

Client No.

MW-16R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40502

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3066.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	105	U
74-83-9-----	Bromomethane	105	U
75-01-4-----	Vinyl chloride	105	U
75-00-3-----	Chloroethane	105	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	1025	U
75-15-0-----	Carbon Disulfide	105	U
75-35-4-----	1,1-Dichloroethene	105	U
75-34-3-----	1,1-Dichloroethane	105	U
67-66-3-----	Chloroform	105	U
107-06-2-----	1,2-Dichloroethane	105	U
78-93-3-----	2-Butanone	1025	U
71-55-6-----	1,1,1-Trichloroethane	105	U
56-23-5-----	Carbon Tetrachloride	105	U
75-27-4-----	Bromodichloromethane	105	U
78-87-5-----	1,2-Dichloropropane	105	U
10061-01-5----	cis-1,3-Dichloropropene	105	U
79-01-6-----	Trichloroethene	105	U
124-48-1-----	Dibromochloromethane	105	U
79-00-5-----	1,1,2-Trichloroethane	105	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	105	U
75-25-2-----	Bromoform	105	U
108-10-1-----	4-Methyl-2-pentanone	1025	U
591-78-6-----	2-Hexanone	1025	U
127-18-4-----	Tetrachloroethene	105	U
108-88-3-----	Toluene	1	U
79-34-5-----	1,1,2,2-Tetrachloroethane	105	U
108-90-7-----	Chlorobenzene	105	U
100-41-4-----	Ethylbenzene	3	U
100-42-5-----	Styrene	105	U
1330-20-7-----	Total Xylenes	1	U
75-71-8-----	Dichlorodifluoromethane	105	U
75-69-4-----	Trichlorofluoromethane	105	U

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000037

Client No.

MW-16R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40502

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3066.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/17/2002

Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	~~10~~ 10	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	~~10~~ 10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	~~10~~ 10	U
98-82-8-----	Isopropylbenzene	~~10~~ 10	U
541-73-1-----	1,3-Dichlorobenzene	~~10~~ 10	U
106-46-7-----	1,4-Dichlorobenzene	~~10~~ 10	U
95-50-1-----	1,2-Dichlorobenzene	~~10~~ 10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	~~10~~ 10	U
120-82-1-----	1,2,4-Trichlorobenzene	~~10~~ 10	U
79-20-9-----	Methyl acetate	10	U

000038

Client No.

MW-16R

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B40502

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3066.RR

Level: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002

% Moisture: not dec. _____ Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 91-20-3	NAPHTHALENE	20.52	24	JN

000039

Client No.

MW-17D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B35703Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3048.RRLevel: (low/med) LOWDate Samp/Recv: 11/13/2002 11/14/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002C Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

74-87-3-----	Chloromethane	10 8	U
74-83-9-----	Bromomethane	10 8	U
75-01-4-----	Vinyl chloride	10 5	U
75-00-3-----	Chloroethane	10 5	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	55	U
75-15-0-----	Carbon Disulfide	10 8	U
75-35-4-----	1,1-Dichloroethene	10 8	U
75-34-3-----	1,1-Dichloroethane	10 8	U
67-66-3-----	Chloroform	10 5	U
107-06-2-----	1,2-Dichloroethane	10 5	U
78-93-3-----	2-Butanone	10 25	U
71-55-6-----	1,1,1-Trichloroethane	10 8	U
56-23-5-----	Carbon Tetrachloride	10 8	U
75-27-4-----	Bromodichloromethane	10 8	U
78-87-5-----	1,2-Dichloropropane	10 8	U
10061-01-5----	cis-1,3-Dichloropropene	10 8	U
79-01-6-----	Trichloroethene	10 8	U
124-48-1-----	Dibromochloromethane	10 8	U
79-00-5-----	1,1,2-Trichloroethane	10 5	U
71-43-2-----	Benzene	150	U
10061-02-6----	trans-1,3-Dichloropropene	10 8	U
75-25-2-----	Bromoform	10 8	U
108-10-1-----	4-Methyl-2-pentanone	10 25	U
591-78-6-----	2-Hexanone	10 25	U
127-18-4-----	Tetrachloroethene	10 8	U
108-88-3-----	Toluene	10 8	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10 8	U
108-90-7-----	Chlorobenzene	10 5	U
100-41-4-----	Ethylbenzene	12	U
100-42-5-----	Styrene	10 8	U
1330-20-7----	Total Xylenes	11	U
75-71-8-----	Dichlorodifluoromethane	10 8	U
75-69-4-----	Trichlorofluoromethane	10 8	U

MW-17D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B35703Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3048.RRLevel: (low/med) LOWDate Samp/Recv: 11/13/2002 11/14/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10 ~~5~~	U
1634-04-4----	Methyl tert butyl ether	16	U
156-59-2-----	cis-1,2-Dichloroethene	10 ~~5~~	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10 ~~5~~	U
98-82-8-----	Isopropylbenzene	17	U
541-73-1-----	1,3-Dichlorobenzene	10 ~~5~~	U
106-46-7-----	1,4-Dichlorobenzene	10 ~~5~~	U
95-50-1-----	1,2-Dichlorobenzene	10 ~~5~~	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10 ~~5~~	U
120-82-1-----	1,2,4-Trichlorobenzene	10 ~~5~~	U
79-20-9-----	Methyl acetate	10	U

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TENTATIVELY IDENTIFIED COMPOUNDS

000041

Client No.

MW-17D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35703

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3048.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

% Moisture: not dec. _____

Date Analyzed: 11/15/2002

C Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE DER.	16.27	36	J
2.	TRIMETHYLBENZENE ISOMER	16.52	70	J
3.	TRIMETHYLBENZENE ISOMER	17.17	72	J
4.	UNKNOWN	17.51	1100	J
5.	AROMATIC DERIVATIVE	18.35	64	J
6.	AROMATIC DERIVATIVE	19.26	100	J
7.	AROMATIC DERIVATIVE	19.52	110	J
8.	AROMATIC DERIVATIVE	19.78	85	J
9.	METHYLNAPHTHALENE ISOMER	22.39	350	J
10.	METHYLNAPHTHALENE ISOMER	22.75	330	J

000042

Client No.

MW-17S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B35702Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3047.RRLevel: (low/med) LOWDate Samp/Recv: 11/13/2002 11/14/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.5	U
74-83-9-----	Bromomethane	10.5	U
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.5	U
75-35-4-----	1,1-Dichloroethene	10.5	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.5	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.5	U
56-23-5-----	Carbon Tetrachloride	10.5	U
75-27-4-----	Bromodichloromethane	10.5	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.5	U
79-00-5-----	1,1,2-Trichloroethane	10.5	U
71-43-2-----	Benzene	31	U
10061-02-6----	trans-1,3-Dichloropropene	10.5	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.5	U
108-88-3-----	Toluene	10.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	10.5	U
100-42-5-----	Styrene	10.5	U
1330-20-7-----	Total Xylenes	10.5	U
75-71-8-----	Dichlorodifluoromethane	10.5	U
75-69-4-----	Trichlorofluoromethane	10.5	U

000043

Client No.

MW-17S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GWMW3Matrix: (soil/water) WATERLab Sample ID: A2B35702Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3047.RRLevel: (low/med) LOWDate Samp/Recv: 11/13/2002 11/14/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	1	J
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000044

Client No.

MW-17S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B35702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3047.RR

Level: (low/med) LOW Date Samp/Recv: 11/13/2002 11/14/2002

% Moisture: not dec. _____ Date Analyzed: 11/15/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	17.50	200	J
2.	ALKYLSUBSTITUTED HYDROCARBON	19.52	8	J
3.	METHYLNAPHTHALENE ISOMER	22.76	9	J

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

000045

Client No.

MW-18S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35704

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3058.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 4.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

74-87-3-----	Chloromethane	40 20	U
74-83-9-----	Bromomethane	40 20	U
75-01-4-----	Vinyl chloride	40 20	U
75-00-3-----	Chloroethane	40 20	U
75-09-2-----	Methylene chloride	40	U
67-64-1-----	Acetone	40 100	U
75-15-0-----	Carbon Disulfide	40 20	U
75-35-4-----	1,1-Dichloroethene	40 20	U
75-34-3-----	1,1-Dichloroethane	40 20	U
67-66-3-----	Chloroform	40 20	U
107-06-2-----	1,2-Dichloroethane	40 20	U
78-93-3-----	2-Butanone	40 100	U
71-55-6-----	1,1,1-Trichloroethane	40 20	U
56-23-5-----	Carbon Tetrachloride	40 20	U
75-27-4-----	Bromodichloromethane	40 20	U
78-87-5-----	1,2-Dichloropropane	40 20	U
10061-01-5----	cis-1,3-Dichloropropene	40 20	U
79-01-6-----	Trichloroethene	40 20	U
124-48-1-----	Dibromochloromethane	40 20	U
79-00-5-----	1,1,2-Trichloroethane	40 20	U
71-43-2-----	Benzene	360	U
10061-02-6----	trans-1,3-Dichloropropene	40 20	U
75-25-2-----	Bromoform	40 20	U
108-10-1-----	4-Methyl-2-pentanone	40 100	U
591-78-6-----	2-Hexanone	40 100	U
127-18-4-----	Tetrachloroethene	40 20	U
108-88-3-----	Toluene	6	U
79-34-5-----	1,1,2,2-Tetrachloroethane	40 20	U
108-90-7-----	Chlorobenzene	40 20	U
100-41-4-----	Ethylbenzene	490	U
100-42-5-----	Styrene	40 20	U
1330-20-7-----	Total Xylenes	70	U
75-71-8-----	Dichlorodifluoromethane	40 20	U
75-69-4-----	Trichlorofluoromethane	40 20	U

000046

Client No.

MW-18S

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B35704Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3058.RRLevel: (low/med) LOWDate Samp/Recv: 11/13/2002 11/14/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/17/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 4.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	40	U
156-60-5-----	trans-1,2-Dichloroethene	~~40~~ 20	U
1634-04-4----	Methyl tert butyl ether	40	U
156-59-2-----	cis-1,2-Dichloroethene	~~40~~ 20	U
110-82-7-----	Cyclohexane	24	J
108-87-2-----	Methylcyclohexane	16	J
106-93-4-----	1,2-Dibromoethane	~~40~~ 20	U
98-82-8-----	Isopropylbenzene	13	J
541-73-1-----	1,3-Dichlorobenzene	~~40~~ 20	U
106-46-7-----	1,4-Dichlorobenzene	~~40~~ 20	U
95-50-1-----	1,2-Dichlorobenzene	~~40~~ 20	U
96-12-8-----	1,2-Dibromo-3-chloropropane	~~40~~ 20	U
120-82-1-----	1,2,4-Trichlorobenzene	~~40~~ 20	U
79-20-9-----	Methyl acetate	40	U

000047

Client No.

MW-18S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B35704

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3058.RR

Level: (low/med) LOW Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: not dec. _____ Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 9 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	16.52	86	J
2.	UNKNOWN	17.50	1000	J
3.	AROMATIC DERIVATIVE	19.52	30	J
4.	AROMATIC DERIVATIVE	19.62	35	J
5.	AROMATIC DERIVATIVE	19.78	86	J
6. 91-20-3	NAPHTHALENE	20.52	2800	JN
7.	THIOPHENE DERIVATIVE	20.71	64	J
8.	METHYLNAPHTHALENE ISOMER	22.39	71	J
9.	METHYLNAPHTHALENE ISOMER	22.75	110	J

MW-19D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B40503Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3067.RRLevel: (low/med) LOWDate Samp/Recv: 11/14/2002 11/15/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/17/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

74-87-3-----	Chloromethane	10.5	U
74-83-9-----	Bromomethane	10.8	U
75-01-4-----	Vinyl chloride	10.8	U
75-00-3-----	Chloroethane	10.8	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.8	U
75-35-4-----	1,1-Dichloroethene	10.5	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.5	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.8	U
56-23-5-----	Carbon Tetrachloride	10.8	U
75-27-4-----	Bromodichloromethane	10.5	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.8	U
79-01-6-----	Trichloroethene	10.8	U
124-48-1-----	Dibromochloromethane	10.8	U
79-00-5-----	1,1,2-Trichloroethane	10.8	U
71-43-2-----	Benzene	10.8	U
10061-02-6----	trans-1,3-Dichloropropene	10.8	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	10.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.8	U
108-90-7-----	Chlorobenzene	10.8	U
100-41-4-----	Ethylbenzene	10.8	U
100-42-5-----	Styrene	10.5	U
1330-20-7----	Total Xylenes	10.5	U
75-71-8-----	Dichlorodifluoromethane	10.8	U
75-69-4-----	Trichlorofluoromethane	10.5	U

000049

Client No.

MW-19D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B40503Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3067.RRLevel: (low/med) LOWDate Samp/Recv: 11/14/2002 11/15/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/17/2002C Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000050

Client No. _____

MW-19D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B40503

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3067.RR

Level: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002

% Moisture: not dec. _____ Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

000051

Client No.

MW-20D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B20502Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3042.RRLevel: (low/med) LOWDate Samp/Recv: 11/11/2002 11/12/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002C Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.8	U
74-83-9-----	Bromomethane	10.5	U
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	NOT
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.8	U
75-35-4-----	1,1-Dichloroethene	10.8	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.8	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.5	U
56-23-5-----	Carbon Tetrachloride	10.8	U
75-27-4-----	Bromodichloromethane	10.8	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.8	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.5	U
79-00-5-----	1,1,2-Trichloroethane	10.8	U
71-43-2-----	Benzene	10.5	U
10061-02-6----	trans-1,3-Dichloropropene	10.8	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	10.8	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	10.5	U
100-42-5-----	Styrene	10.8	U
1330-20-7-----	Total Xylenes	10.8	U
75-71-8-----	Dichlorodifluoromethane	10.8	U
75-69-4-----	Trichlorofluoromethane	10.5	U

000052

Client No.

MW-20D

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATER Lab Sample ID: A2B20502Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3042.RRLevel: (low/med) LOW Date Samp/Recv: 11/11/2002 11/12/2002% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/15/2002GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000053

Client No.

MW-20D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B20502

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3042.RR

Level: (low/med) LOW

Date Samp/Recv: 11/11/2002 11/12/2002

% Moisture: not dec. _____

Date Analyzed: 11/15/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

000054

Client No.

MW-23S

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B45901Sample wt/vol: 5.00 (g/mL) MLLab File ID: F7045.RRLevel: (low/med) LOWDate Samp/Recv: 11/15/2002 11/18/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/21/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.5	µg/L
74-83-9-----	Bromomethane	10.5	µg/L
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	µg/L
67-64-1-----	Acetone	10.25	µg/L
75-15-0-----	Carbon Disulfide	16.5	µg/L
75-35-4-----	1,1-Dichloroethene	10.5	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	16.5	U
56-23-5-----	Carbon Tetrachloride	10.5	U
75-27-4-----	Bromodichloromethane	10.5	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.5	U
79-00-5-----	1,1,2-Trichloroethane	10.5	U
71-43-2-----	Benzene	9	U
10061-02-6----	trans-1,3-Dichloropropene	10.5	U
75-25-2-----	Bromoform	16.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	16.5	U
108-88-3-----	Toluene	10.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	10.5	U
100-42-5-----	Styrene	10.5	U
1330-20-7-----	Total Xylenes	10.5	U
75-71-8-----	Dichlorodifluoromethane	10.5	µg/L
75-69-4-----	Trichlorofluoromethane	10.5	U

000055

Client No.

MW-23S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B45901Sample wt/vol: 5.00 (g/mL) MLLab File ID: F7045.RRLevel: (low/med) LOWDate Samp/Recv: 11/15/2002 11/18/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/21/2002C Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	NUJ
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	NUJ

000056

Client No. _____

MW-23S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B45901

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7045.RR

Level: (low/med) LOW Date Samp/Recv: 11/15/2002 11/18/2002

% Moisture: not dec. _____ Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	10.04	16	J

000057

Client No.

PZ-01D

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B45903Sample wt/vol: 5.00 (g/mL) MLLab File ID: F7047.RRLevel: (low/med) LOWDate Samp/Recv: 11/15/2002 11/18/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/21/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.8	U
74-83-9-----	Bromomethane	10.5	U
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.8	U
75-35-4-----	1,1-Dichloroethene	10.8	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.8	U
56-23-5-----	Carbon Tetrachloride	10.5	U
75-27-4-----	Bromodichloromethane	10.8	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.8	U
124-48-1-----	Dibromochloromethane	10.8	U
79-00-5-----	1,1,2-Trichloroethane	10.8	U
71-43-2-----	Benzene	10.8	U
10061-02-6----	trans-1,3-Dichloropropene	10.5	U
75-25-2-----	Bromoform	10.8	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	10.8	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.8	U
100-41-4-----	Ethylbenzene	10.8	U
100-42-5-----	Styrene	10.8	U
1330-20-7----	Total Xylenes	10.8	U
75-71-8-----	Dichlorodifluoromethane	10.5	U
75-69-4-----	Trichlorofluoromethane	10.5	U

000058

Client No. PZ-01DLab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATER Lab Sample ID: A2B45903Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7047.RRLevel: (low/med) LOW Date Samp/Recv: 11/15/2002 11/18/2002% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/21/2002GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	NUJ
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	NUJ

PZ-01D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B45903

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F7047.RR

Level: (low/med) LOW

Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: not dec. _____

Date Analyzed: 11/21/2002

Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

000060

Client No.

PZ-01S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B45902Sample wt/vol: 5.00 (g/mL) MLLab File ID: F7046.RRLevel: (low/med) LOWDate Samp/Recv: 11/15/2002 11/18/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/21/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	10.5	10.5	U
74-83-9	Bromomethane	10.5	10.5	U
75-01-4	Vinyl chloride	10.5	10.5	U
75-00-3	Chloroethane	10.5	10.5	U
75-09-2	Methylene chloride	10	10	U
67-64-1	Acetone	10.25	10.25	U
75-15-0	Carbon Disulfide	10.5	10.5	U
75-35-4	1,1-Dichloroethene	10.5	10.5	U
75-34-3	1,1-Dichloroethane	10.5	10.5	U
67-66-3	Chloroform	10.5	10.5	U
107-06-2	1,2-Dichloroethane	10.5	10.5	U
78-93-3	2-Butanone	10.25	10.25	U
71-55-6	1,1,1-Trichloroethane	10.5	10.5	U
56-23-5	Carbon Tetrachloride	10.5	10.5	U
75-27-4	Bromodichloromethane	10.5	10.5	U
78-87-5	1,2-Dichloropropane	10.5	10.5	U
10061-01-5	cis-1,3-Dichloropropene	10.5	10.5	U
79-01-6	Trichloroethene	10.5	10.5	U
124-48-1	Dibromochloromethane	10.5	10.5	U
79-00-5	1,1,2-Trichloroethane	10.5	10.5	U
71-43-2	Benzene	10.5	10.5	U
10061-02-6	trans-1,3-Dichloropropene	10.5	10.5	U
75-25-2	Bromoform	10.5	10.5	U
108-10-1	4-Methyl-2-pentanone	10.25	10.25	U
591-78-6	2-Hexanone	10.25	10.25	U
127-18-4	Tetrachloroethene	10.5	10.5	U
108-88-3	Toluene	10.5	10.5	U
79-34-5	1,1,2,2-Tetrachloroethane	10.5	10.5	U
108-90-7	Chlorobenzene	10.5	10.5	U
100-41-4	Ethylbenzene	10.5	10.5	U
100-42-5	Styrene	10.5	10.5	U
1330-20-7	Total Xylenes	10.5	10.5	U
75-71-8	Dichlorodifluoromethane	10.5	10.5	U
75-69-4	Trichlorofluoromethane	10.5	10.5	U

000061

Client No.

PZ-01S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B45902Sample wt/vol: 5.00 (g/mL) MLLab File ID: F7046.RRLevel: (low/med) LOWDate Samp/Recv: 11/15/2002 11/18/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/21/2002Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.8	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.8	U
98-82-8-----	Isopropylbenzene	10.8	U
541-73-1-----	1,3-Dichlorobenzene	10.8	U
106-46-7-----	1,4-Dichlorobenzene	10.8	U
95-50-1-----	1,2-Dichlorobenzene	10.8	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.8	U
120-82-1-----	1,2,4-Trichlorobenzene	10.8	U
79-20-9-----	Methyl acetate	10	U

000062

Client No. _____

PZ-01S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B45902

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7046.RR

Level: (low/med) LOW Date Samp/Recv: 11/15/2002 11/18/2002

% Moisture: not dec. _____ Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	10.04	11	J

000063 Client No.

PZ-02

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B40506Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3070.RRLevel: (low/med) LOWDate Samp/Recv: 11/14/2002 11/15/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/17/2002C Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.8	U
74-83-9-----	Bromomethane	10.8	U
75-01-4-----	Vinyl chloride	10.8	U
75-00-3-----	Chloroethane	10.8	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.8	U
75-35-4-----	1,1-Dichloroethene	10.8	U
75-34-3-----	1,1-Dichloroethane	10.8	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.8	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.8	U
56-23-5-----	Carbon Tetrachloride	10.8	U
75-27-4-----	Bromodichloromethane	10.8	U
78-87-5-----	1,2-Dichloropropane	10.8	U
10061-01-5----	cis-1,3-Dichloropropene	10.8	U
79-01-6-----	Trichloroethene	10.8	U
124-48-1-----	Dibromochloromethane	10.8	U
79-00-5-----	1,1,2-Trichloroethane	10.8	U
71-43-2-----	Benzene	10.8	U
10061-02-6----	trans-1,3-Dichloropropene	10.8	U
75-25-2-----	Bromoform	10.8	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	10.8	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.8	U
108-90-7-----	Chlorobenzene	10.8	U
100-41-4-----	Ethylbenzene	10.8	U
100-42-5-----	Styrene	10.8	U
1330-20-7-----	Total Xylenes	10.8	U
75-71-8-----	Dichlorodifluoromethane	10.8	U
75-69-4-----	Trichlorofluoromethane	10.8	U

000064

Client No.

PZ-02

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3Matrix: (soil/water) WATER Lab Sample ID: A2B40506Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3070.RRLevel: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/17/2002GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

EPA ASP 2000 - METHOD 8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000065

Client No.

PZ-02

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40506

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3070.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: not dec. _____

Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ALKYLBENZENE DERIVATIVE	16.97	950	J

000066

Client No.

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Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B20503Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3043.RRLevel: (low/med) LOWDate Samp/Recv: 11/11/2002 11/12/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.8	U
74-83-9-----	Bromomethane	10.8	U
75-01-4-----	Vinyl chloride	10.8	U
75-00-3-----	Chloroethane	10.8	U
75-09-2-----	Methylene chloride	10	NOT
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.8	U
75-35-4-----	1,1-Dichloroethene	10.8	U
75-34-3-----	1,1-Dichloroethane	10.8	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.8	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.8	U
56-23-5-----	Carbon Tetrachloride	10.8	U
75-27-4-----	Bromodichloromethane	10.8	U
78-87-5-----	1,2-Dichloropropane	10.8	U
10061-01-5----	cis-1,3-Dichloropropene	10.8	U
79-01-6-----	Trichloroethene	10.8	U
124-48-1-----	Dibromochloromethane	10.8	U
79-00-5-----	1,1,2-Trichloroethane	10.8	U
71-43-2-----	Benzene	10.8	U
10061-02-6----	trans-1,3-Dichloropropene	10.8	U
75-25-2-----	Bromoform	10.8	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	10.8	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.8	U
108-90-7-----	Chlorobenzene	10.8	U
100-41-4-----	Ethylbenzene	10.8	U
100-42-5-----	Styrene	10.8	U
1330-20-7----	Total Xylenes	10.8	U
75-71-8-----	Dichlorodifluoromethane	10.8	U
75-69-4-----	Trichlorofluoromethane	10.8	U

000067

Client No.

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Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B20503Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3043.RRLevel: (low/med) LOWDate Samp/Recv: 11/11/2002 11/12/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

000068

Client No. _____

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B20503

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3043.RR

Level: (low/med) LOW Date Samp/Recv: 11/11/2002 11/12/2002

% Moisture: not dec. _____ Date Analyzed: 11/15/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

000069

Client No.

TRIP BLANK

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B27902Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3045.RRLevel: (low/med) LOWDate Samp/Recv: 11/12/2002 11/13/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/15/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10.5	U
74-83-9	Bromomethane	10.5	U
75-01-4	Vinyl chloride	10.5	U
75-00-3	Chloroethane	10.5	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10.25	U
75-15-0	Carbon Disulfide	10.5	U
75-35-4	1,1-Dichloroethene	10.5	U
75-34-3	1,1-Dichloroethane	10.5	U
67-66-3	Chloroform	10.5	U
107-06-2	1,2-Dichloroethane	10.5	U
78-93-3	2-Butanone	10.25	U
71-55-6	1,1,1-Trichloroethane	10.5	U
56-23-5	Carbon Tetrachloride	10.5	U
75-27-4	Bromodichloromethane	10.5	U
78-87-5	1,2-Dichloropropane	10.5	U
10061-01-5	cis-1,3-Dichloropropene	10.5	U
79-01-6	Trichloroethene	10.5	U
124-48-1	Dibromochloromethane	10.5	U
79-00-5	1,1,2-Trichloroethane	10.5	U
71-43-2	Benzene	10.5	U
10061-02-6	trans-1,3-Dichloropropene	10.5	U
75-25-2	Bromoform	10.5	U
108-10-1	4-Methyl-2-pentanone	10.25	U
591-78-6	2-Hexanone	10.25	U
127-18-4	Tetrachloroethene	10.5	U
108-88-3	Toluene	10.5	U
79-34-5	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7	Chlorobenzene	10.5	U
100-41-4	Ethylbenzene	10.5	U
100-42-5	Styrene	10.5	U
1330-20-7	Total Xylenes	10.5	U
75-71-8	Dichlorodifluoromethane	10.5	U
75-69-4	Trichlorofluoromethane	10.5	U

EPA ASP 2000 - METHOD 8260 VOLATILES
ANALYSIS DATA SHEET

000070

Client No. _____

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B27902

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3045.RR

Level: (low/med) LOW Date Samp/Recv: 11/12/2002 11/13/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/15/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

000071

Client No.

TRIP BLANK

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B27902

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3045.RR

Level: (low/med) LOW

Date Samp/Recv: 11/12/2002 11/13/2002

Moisture: not dec. _____

Date Analyzed: 11/15/2002

Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

000072

Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B35707Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3051.RRLevel: (low/med) LOWDate Samp/Recv: 11/13/2002 11/14/2002% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/16/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.8	U
74-83-9-----	Bromomethane	10.8	U
75-01-4-----	Vinyl chloride	10.8	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.8	U
75-35-4-----	1,1-Dichloroethene	10.8	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.8	U
56-23-5-----	Carbon Tetrachloride	10.8	U
75-27-4-----	Bromodichloromethane	10.8	U
78-87-5-----	1,2-Dichloropropane	10.8	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.8	U
79-00-5-----	1,1,2-Trichloroethane	10.8	U
71-43-2-----	Benzene	10.8	U
10061-02-6----	trans-1,3-Dichloropropene	10.8	U
75-25-2-----	Bromoform	10.8	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	10.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.8	U
108-90-7-----	Chlorobenzene	10.8	U
100-41-4-----	Ethylbenzene	10.8	U
100-42-5-----	Styrene	10.8	U
1330-20-7-----	Total Xylenes	10.8	U
75-71-8-----	Dichlorodifluoromethane	10.5	U
75-69-4-----	Trichlorofluoromethane	10.5	U

000073

Client No.

TRIP BLANK

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B35707Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3051.RRLevel: (low/med) LOWDate Samp/Recv: 11/13/2002 11/14/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/16/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

000074 Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B35707

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3051.RR

Level: (low/med) LOW Date Samp/Recv: 11/13/2002 11/14/2002

% Moisture: not dec. _____ Date Analyzed: 11/16/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	AROMATIC DERIVATIVE	18.57	6	J

TRIP BLANK

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATER Lab Sample ID: A2B40507Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3071.RRLevel: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/18/2002C Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.5	U
74-83-9-----	Bromomethane	10.5	U
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10.25	U
75-15-0-----	Carbon Disulfide	10.5	U
75-35-4-----	1,1-Dichloroethene	10.5	U
75-34-3-----	1,1-Dichloroethane	10.5	U
67-66-3-----	Chloroform	10.5	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.5	U
56-23-5-----	Carbon Tetrachloride	10.5	U
75-27-4-----	Bromodichloromethane	10.5	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.5	U
79-00-5-----	1,1,2-Trichloroethane	10.5	U
71-43-2-----	Benzene	10.5	U
10061-02-6----	trans-1,3-Dichloropropene	10.5	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.5	U
108-88-3-----	Toluene	10.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	10.5	U
100-42-5-----	Styrene	10.5	U
1330-20-7-----	Total Xylenes	10.5	U
75-71-8-----	Dichlorodifluoromethane	10.5	U
75-69-4-----	Trichlorofluoromethane	10.5	U

000076

Client No. TRIP BLANKLab Name: STL Buffalo Contract: Lab Code: RECNY Case No.: SAS No.: SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B40507Sample wt/vol: 5.00 (g/mL) MLLab File ID: N3071.RRLevel: (low/med) LOWDate Samp/Recv: 11/14/2002 11/15/2002% Moisture: not dec. Heated Purge: NDate Analyzed: 11/18/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00Soil Extract Volume: (uL)Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.8	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.8	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.8	U
98-82-8-----	Isopropylbenzene	10.8	U
541-73-1-----	1,3-Dichlorobenzene	10.8	U
106-46-7-----	1,4-Dichlorobenzene	10.8	U
95-50-1-----	1,2-Dichlorobenzene	10.8	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.8	U
120-82-1-----	1,2,4-Trichlorobenzene	10.8	U
79-20-9-----	Methyl acetate	10	U

000077

Client No.

TRIP BLANK

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40507

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3071.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: not dec. _____

Date Analyzed: 11/18/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

000078

Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: Lab Code: RECNY Case No.: SAS No.: SDG No.: GWMW3Matrix: (soil/water) WATERLab Sample ID: A2B45904Sample wt/vol: 5.00 (g/mL) MLLab File ID: F7042.RRLevel: (low/med) LOWDate Samp/Recv: 11/15/2002 11/18/2002% Moisture: not dec. Heated Purge: NDate Analyzed: 11/21/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00Soil Extract Volume: (uL)Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10.5	YUJ
74-83-9-----	Bromomethane	10.8	YUJ
75-01-4-----	Vinyl chloride	10.5	U
75-00-3-----	Chloroethane	10.5	U
75-09-2-----	Methylene chloride	10	YUJ
67-64-1-----	Acetone	10.25	YUJ
75-15-0-----	Carbon Disulfide	10.5	YUJ
75-35-4-----	1,1-Dichloroethene	10.8	U
75-34-3-----	1,1-Dichloroethane	10.8	U
67-66-3-----	Chloroform	10.8	U
107-06-2-----	1,2-Dichloroethane	10.5	U
78-93-3-----	2-Butanone	10.25	U
71-55-6-----	1,1,1-Trichloroethane	10.5	U
56-23-5-----	Carbon Tetrachloride	10.8	U
75-27-4-----	Bromodichloromethane	10.8	U
78-87-5-----	1,2-Dichloropropane	10.5	U
10061-01-5----	cis-1,3-Dichloropropene	10.5	U
79-01-6-----	Trichloroethene	10.5	U
124-48-1-----	Dibromochloromethane	10.8	U
79-00-5-----	1,1,2-Trichloroethane	10.5	U
71-43-2-----	Benzene	10.8	U
10061-02-6----	trans-1,3-Dichloropropene	10.5	U
75-25-2-----	Bromoform	10.5	U
108-10-1-----	4-Methyl-2-pentanone	10.25	U
591-78-6-----	2-Hexanone	10.25	U
127-18-4-----	Tetrachloroethene	10.8	U
108-88-3-----	Toluene	10.8	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.5	U
108-90-7-----	Chlorobenzene	10.5	U
100-41-4-----	Ethylbenzene	10.8	U
100-42-5-----	Styrene	10.8	U
1330-20-7-----	Total Xylenes	10.5	U
75-71-8-----	Dichlorodifluoromethane	10.5	YUJ
75-69-4-----	Trichlorofluoromethane	10.5	U

000079

Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3Matrix: (soil/water) WATERLab Sample ID: A2B45904Sample wt/vol: 5.00 (g/mL) MLLab File ID: F7042.RRLevel: (low/med) LOWDate Samp/Recv: 11/15/2002 11/18/2002Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/21/2002GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10.5	U
1634-04-4-----	Methyl tert butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	10.5	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10.5	U
98-82-8-----	Isopropylbenzene	10.5	U
541-73-1-----	1,3-Dichlorobenzene	10.5	U
106-46-7-----	1,4-Dichlorobenzene	10.5	U
95-50-1-----	1,2-Dichlorobenzene	10.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.5	U
120-82-1-----	1,2,4-Trichlorobenzene	10.5	U
79-20-9-----	Methyl acetate	10	U

000080

Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B45904

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F7042.RR

Level: (low/med) LOW Date Samp/Recv: 11/15/2002 11/18/2002

% Moisture: not dec. _____ Date Analyzed: 11/21/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

SEMIVOLATILE ANALYSES

Introduction

Analyses were performed according to EPA SW-846 Method 8270 as referenced in the NYSDEC-ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The method specified holding times for semivolatile analyses under NYSASP are 5 days from sample receipt to extraction and 40 days to analysis. The technical holding times for waters are 7 days from sample collection to extraction and 40 days to analysis.

All samples were extracted and analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method, field, and rinse blanks) are prepared to identify any contamination which may have been introduced in to the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure contamination of samples during field operations.

Di-n-octylphthalate was detected in the method blanks. Based on the blank content, data for di-n-octylphthalate have been qualified as undetected in samples DUP-1, MW-1, MW-17S, MW-11, MW-12, MW-15S, MW-16D, MW-16R, MW-19D, PZ-02, MW-23S, PZ-01D, and PZ-01S.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) limits for select compounds only and allows four outliers. A technical review of the data applies limits to all compounds with no exceptions.

The %RSD were less than 30% and the response factors were greater than 0.05 for all compounds.

4.2 Continuing Calibration

The response for several compounds in the continuing calibration standards were outside 25% difference (%D) of the initial calibration, as summarized on the attached calibration summary sheets. All data for

compounds with decreasing responses and all positive data for compounds with increasing responses, have been qualified as estimated based on the %D.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

Surrogates were diluted beyond the range of quantitation in sample MW-16R DL. No data have been qualified based on the diluted surrogates. All other surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every experimental run.

All internal standard areas and retention times were within established limits.

7. Compound Identification

Compounds are identified on the GC/MS by using the analyte's relative retention time and ion spectra.

All identified compounds met the specified criteria.

8. Matrix Spike/Matrix Spike Duplicate

Matrix spike, matrix spike duplicate data are used to assess the precision and accuracy of the analytical method.

Matrix spike recoveries for 4-chloro-3-methylphenol, 2,4-dinitrophenol, and pentachlorophenol were above control limits. Since the associated sample was undetected for the listed compounds, no data have been qualified based on the deviations.

9. Matrix Spike Blank

Blank spike recoveries were above control limits for 4-chloro-3-methylphenol, 2,4-dinitrophenol, and pentachlorophenol. Since none of the listed compounds were detected in the associated samples, the high recoveries have no impact on the reported data. All other matrix spike blank recoveries were within control limits.

10. Field Duplicate

Results for duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-17S / DUP-1	phenol	2J	3J	40.0%
	naphthalene	1J	1J	0.0%
	2-methylnaphthalene	20	30	40.0%
	acenaphthene	11	17	42.9%
	fluorene	0.4J	0.7J	54.5%
	carbazole	0.4J	0.6J	40.0%
	bis(2-ethylhexyl)phthalate	0.5J	0.3J	50.0%

The duplicate results are acceptable.

11. General Comments

Data for the positively identified compounds were quantitated using the daily standard response rather than the method-specified initial calibration response. All positive data should be considered estimated based on the method deviations.

No TIC forms were provided for samples MW-15S, MW-19D and MW-20D.

12. System Performance and Overall Assessment

Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checksheets

Semivolatile Organics Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Have any missing deliverables been received and added to the data package?	<u> </u>	<u> X </u>	<u> </u>
Is there a narrative or cover letter present?	<u> X </u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> X </u>	<u> </u>	<u> </u>
Are the sample chain-of-custodies present?	<u> X </u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>	<u> X </u>	<u> </u>
<u>Holding Times</u>			
Have any holding times been exceeded?	<u> </u>	<u> X </u>	<u> </u>
<u>Surrogate Recovery</u>			
Are the surrogate recovery forms present?	<u> X </u>	<u> </u>	<u> </u>
Are all samples listed on the surrogate recovery form?	<u> X </u>	<u> </u>	<u> </u>
Were two or more base-neutral or acid surrogate recoveries outside control limits for any sample or blank?	<u> </u>	<u> X </u>	<u> </u>
If yes, were the samples reanalyzed?	<u> </u>	<u> </u>	<u> X </u>
Are there any transcription/calculation errors between the raw data and the summary form?	<u> </u>	<u> X </u>	<u> </u>
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> X </u>	<u> </u>	<u> </u>
Were matrix spikes analyzed at the required frequency	<u> X </u>	<u> </u>	<u> </u>
How many spike recoveries were outside of QC limits?			
<u> 3 </u> out of <u> 36 </u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
<u> 0 </u> out of <u> 18 </u>			
<u>Blanks</u>			
Is the method blank summary form present?	<u> X </u>	<u> </u>	<u> </u>
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	<u> X </u>	<u> </u>	<u> </u>
Has a blank been analyzed for each system used?	<u> X </u>	<u> </u>	<u> </u>
Do any method blanks have positive results?	<u> X </u>	<u> </u>	<u> </u>
Do any field/rinse blanks have positive results?	<u> </u>	<u> </u>	<u> X </u>
Are field/rinse blanks associated with every sample?	<u> </u>	<u> X </u>	<u> </u>

Semivolatile Organics Data Validation Checklist - Page 2

	YES	NO	NA
<u>Tuning and Mass Calibration</u>			
Are the GC/MS tuning forms present for DFTPP?	<u> X </u>	<u> </u>	<u> </u>
Are the bar graph spectrum and mass/charge listing provided for each DFTPP?	<u> X </u>	<u> </u>	<u> </u>
Has a DFTPP been analyzed for each twelve hours of analysis per instrument?	<u> X </u>	<u> </u>	<u> </u>
Have the ion abundance criteria been met for each instrument used?	<u> X </u>	<u> </u>	<u> </u>
<u>Target Analytes</u>			
Is an organics analysis data sheet present for each of the following:			
Samples	<u> X </u>	<u> </u>	<u> </u>
Matrix spikes	<u> X </u>	<u> </u>	<u> </u>
Blanks	<u> X </u>	<u> </u>	<u> </u>
Are the reconstructed ion chromatograms present for each of the following:			
Samples	<u> X </u>	<u> </u>	<u> </u>
Matrix spikes	<u> X </u>	<u> </u>	<u> </u>
Blanks	<u> X </u>	<u> </u>	<u> </u>
Is the chromatographic performance acceptable?	<u> X </u>	<u> </u>	<u> </u>
Are the mass spectra of the identified compounds present?	<u> X </u>	<u> </u>	<u> </u>
Are all ions present in the standard mass spectrum at a relative intensity of 10% or greater also present in the sample spectrum?	<u> X </u>	<u> </u>	<u> </u>
Do the samples and standard relative ion intensities agree within 20%?	<u> X </u>	<u> </u>	<u> </u>
<u>Tentatively Identified Compounds</u>			
Are all the TIC summary forms present?	<u> </u>	<u> X </u>	<u> </u>
Are the mass spectra for the tentatively identified compounds and their associated "best match" spectra present?	<u> X </u>	<u> </u>	<u> </u>
Are any target compounds listed as TICs?	<u> </u>	<u> X </u>	<u> </u>
Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	<u> X </u>	<u> </u>	<u> </u>
Do the TIC and "best match" spectrum agree within 20%?	<u> X </u>	<u> </u>	<u> </u>

Semivolatile Organics Data Validation Checklist - Page 3

	YES	NO	NA
<u>Quantitation and Detection Limits</u>			
Are there any transcription/calculation errors in the Form 1 results?	<u>X</u>	<u> </u>	<u> </u>
Are the reporting limits adjusted to reflect sample dilutions, and for soils, sample moisture?	<u>X</u>	<u> </u>	<u> </u>
<u>Standard Data</u>			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	<u>X</u>	<u> </u>	<u> </u>
<u>Initial Calibration</u>			
Are the initial calibration forms present for each instrument used?	<u>X</u>	<u> </u>	<u> </u>
Are the response factor RSDs within acceptable limits?	<u>X</u>	<u> </u>	<u> </u>
Are the average RRF $\geq$ minimum requirements?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation error in reporting the RRF or RSD?	<u> </u>	<u>X</u>	<u> </u>
<u>Continuing Calibration</u>			
Are the continuing calibration forms present for each day and each instrument?	<u>X</u>	<u> </u>	<u> </u>
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	<u>X</u>	<u> </u>	<u> </u>
All %D within acceptable limits?	<u> </u>	<u>X</u>	<u> </u>
Are all RF $\geq$ minimum requirements?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors in reporting of RF or %D?	<u> </u>	<u>X</u>	<u> </u>
<u>Internal Standards</u>			
Are internal standard areas of every sample within the upper and lower limits for each continuing calibration?	<u>X</u>	<u> </u>	<u> </u>
Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	<u>X</u>	<u> </u>	<u> </u>
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u>X</u>	<u> </u>	<u> </u>

Semivolatile Qualifier Summary **Holding Time, Surrogates, Internal Standards**

Sample ID	Holding Time	Surrogates*								Internal Standards*						
		2FP	PHL	NBZ	FBP	TBP	TPH	2CP	DCB	DCB	NPT	ANT	PHN	CRY	PRY	
MW-3																
MW-20D																
MW-9																
MW-1																
MW-17S																
MW-17S MS																
MW-17S MSD																
MW-17D																
MW-17D DL																
MW-18S																
MW-15S																
DUP-1																
MW-16D																
MW-16R																
MW-16R DL		D	D	D	D	D	D	D								
MW-19D																
MW-12																
MW-12 MS																
MW-12 MSD																
MW-11																
PZ-02																
MW-23S																
PZ-01S																
PZ-01D																

Surrogates:

NBZ Nitrobenzene-d5
 FBP 2-Fluorobiphenyl
 TPH Terphenyl-d14
 DCB 1,2-Dichlorobenzene-d4
 PHL Phenol-d6
 2FP 2-Fluorophenol
 TBP 2,4,6-Tribromophenol
 2CP 2-Chlorophenol-d4

Internal Standards:

DCB 1,4-Dichlorobenzene-d4
 NPT Naphthalene-d8
 ANT Acenaphthene-d10
 PHN Phenanthrene-d10
 CRY Chrysene-d12
 PRY Perylene-d12

Qualifiers:

D Diluted
 l Recovery low
 h Recovery high
 na not applicable
 ll Response <25%

* Unless otherwise specified, all parameters are within acceptable limits.

Semivolatile Calibration Outliers

Instrument: I50Z-A

Date/Time	11/07/02		11/16/02 0920		11/20/02 1753		11/21/02 0823		11/22/02 0820	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
Benzaldehyde										
Phenol										
bis(2-Chloroethyl)ether										
2-Chlorophenol										
2-Methylphenol										
bis(2-chloroisopropyl)ether										
acetophenone										
4-Methylphenol										
N-Nitroso-di-n-propylamine										
Hexachloroethane										
Nitrobenzene										
Isophorone										
2-Nitrophenol										
2,4-Dimethylphenol										
bis(2-Chloroethoxy)methane										
2,4-Dichlorophenol										
Naphthalene										
4-Chloroaniline										
Hexachlorobutadiene										
caprolactam										
4-Chloro-3-methylphenol										
2-Methylnaphthalene										
Hexachlorocyclopentadiene						-25.8				
2,4,6-Trichlorophenol										
2,4,5-Trichlorophenol										
biphenyl										
2-Chloronaphthalene										
2-Nitroaniline										
Dimethyl phthalate										
Acenaphthylene										
2,6-Dinitrotoluene										
3-Nitroaniline										
Acenaphthene										
2,4-Dinitrophenol										-28.1
4-Nitrophenol										

Semivolatile Calibration Outliers - Page 2

Date/Time	11/07/02		11/16/02 0920		11/20/02 1753		11/21/02 0823		11/22/02 0820	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
Dibenzofuran										
2,4-Dinitrotoluene										
Diethylphthalate										+94.7
Fluorene										
4-Chlorophenyl-phenylether										
4-Nitroaniline										
4,6-Dinitro-2-methylphenol										
N-Nitrosodiphenylamine										
4-Bromophenyl-phenylether										
Hexachlorobenzene										
atrazine										
Pentachlorophenol										
Phenanthrene										
Anthracene										
Carbazole										
Di-n-butylphthalate										
Fluoranthene										
Pyrene										
Butylbenzylphthalate										
Benzo(a)anthracene										
3,3'-Dichlorobenzidine										
Chrysene										
bis(2-ethylhexyl)phthalate										
Di-n-octylphthalate										+44.7
Benzo(b)fluoranthene				+28.7						+25.3
Benzo(k)fluoranthene										
Benzo(a)pyrene										
Indeno(1,2,3-cd)pyrene										
Dibenz(a,h)anthracene										
Benzo(g,h,i)perylene										
Affected Samples:			MW-3		DUP-1				MW-23S	
			MW-9		MW-1				PZ-01D	
			MW-20D		MW-11				PZ-01S	
					MW-12					
					MW-15S					
					MW-16D					

Semivolatile Calibration Outliers - Page 3

Date/Time	11/07/02		11/16/02 0920		11/20/02 1753		11/21/02 0823		11/22/02 0820	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
					MW-16R					
					MW-17D					
					MW-17S					
					MW-19D					
					PZ-02					

Corrected Sample Analysis Data Sheets

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000081

Client No.

DUP-1

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35706

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: Z54042.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	3	J
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	1	J
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	30	U
77-47-4-----	Hexachlorocyclopentadiene	10	J
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	24	U

DUP-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35706

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: Z54042.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9	Acenaphthene		17	
51-28-5	2,4-Dinitrophenol		24	U
100-02-7	4-Nitrophenol		24	U
132-64-9	Dibenzofuran		10	U
121-14-2	2,4-Dinitrotoluene		10	U
84-66-2	Diethyl phthalate		10	U
7005-72-3	4-Chlorophenyl phenyl ether		10	U
86-73-7	Fluorene		0.7	J
100-01-6	4-Nitroaniline		24	U
534-52-1	4,6-Dinitro-2-methylphenol		24	U
86-30-6	N-nitrosodiphenylamine		10	U
101-55-3	4-Bromophenyl phenyl ether		10	U
118-74-1	Hexachlorobenzene		10	U
1912-24-9	Atrazine		10	U
87-86-5	Pentachlorophenol		24	U
85-01-8	Phenanthrene		10	U
120-12-7	Anthracene		10	U
86-74-8	Carbazole		0.6	J
84-74-2	Di-n-butyl phthalate		10	U
206-44-0	Fluoranthene		10	U
129-00-0	Pyrene		10	U
85-68-7	Butyl benzyl phthalate		10	U
91-94-1	3,3'-Dichlorobenzidine		10	U
56-55-3	Benzo(a)anthracene		10	U
218-01-9	Chrysene		10	U
117-81-7	Bis(2-ethylhexyl) phthalate		0.3	J
117-84-0	Di-n-octyl phthalate		10 0.3	BU
205-99-2	Benzo(b)fluoranthene		10	U
207-08-9	Benzo(k)fluoranthene		10	U
50-32-8	Benzo(a)pyrene		10	U
193-39-5	Indeno(1,2,3-cd)pyrene		10	U
53-70-3	Dibenzo(a,h)anthracene		10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000083

Client No.

DUP-1

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35706

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: Z54042.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

191-24-2-----	Benzo (ghi) perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000084

Client No.

DUP-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35706

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: Z54042.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 20

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE ISOMER	6.76	4	J
2.	TRIMETHYLBENZENE ISOMER	8.60	10	J
3. 496-11-7	INDANE	8.86	380	JN
4.	2,3-DIHYDROMETHYL INDENE ISO	10.58	9	J
5.	2,3-DIHYDROMETHYL INDENE ISO	10.76	19	J
6. 767-59-9	1-METHYL-1H-INDENE	10.85	9	JN
7.	2,3-DIHYDRO-1H-INDENE-OL ISO	12.01	6	J
8.	2,3-DIHYDROBENZOTHIOPHENE IS	12.40	8	J
9. 83-33-0	2,3-DIHYDRO-1H-INDENE-1-ONE	12.75	18	JN
10.	2,3-DIHYDRO-1H-INDENE-OL ISO	13.55	11	J
11.	UNKNOWN ACID	16.15	7	J
12.	UNKNOWN	18.63	3	J
13.	UNKNOWN	19.93	3	BJ
14.	UNKNOWN	20.16	10	BJ
15.	UNKNOWN	21.26	3	BJ
16.	UNKNOWN	21.31	8	BJ
17.	UNKNOWN	21.56	8	BJ
18.	UNKNOWN	22.85	3	BJ
19.	UNKNOWN	23.11	14	BJ
20.	UNKNOWN	24.46	5	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000085

Client No.

MW-1

Lab Name: STL Buffalo

Contract: _____

Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35701

Sample wt/vol: 1035.0 (g/mL) ML

Lab File ID: Z54037.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000086

Client No.

MW-1

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B35701

Sample wt/vol: 1035.0 (g/mL) ML Lab File ID: Z54037.RR

Level: (low/med) LOW Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	24	U
100-02-7	4-Nitrophenol	24	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b) fluoranthene	10	U
207-08-9	Benzo(k) fluoranthene	10	U
50-32-8	Benzo(a) pyrene	10	U
193-39-5	Indeno(1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo(a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000087

Client No.

MW-1

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35701

Sample wt/vol: 1035.0 (g/mL) ML

Lab File ID: Z54037.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

191-24-2-----Benzo(ghi)perylene

10

U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000088

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B35701

Sample wt/vol: 1035.0 (g/mL) ML Lab File ID: Z54037.RR

Level: (low/med) LOW Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	21.60	6	BJ
2.	UNKNOWN	22.78	2	BJ
3.	UNKNOWN	22.85	2	BJ
4.	UNKNOWN	24.46	2	BJ

GC/MS SEMIVOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A02-B357SDG/CASE GMWM3FILE Z54037LAB ID A2B35701DATE 11/20/02CLIENT ID MW-1

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.(μ g/L)
23.10	TYPE 1		7.44
24.35	TYPE 1		1.97

- ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
- TYPE 2= UNKNOWN BRANCHED ALKANE
- TYPE 3= UNKNOWN CYCLIC ALKANE
- TYPE 4= UNKNOWN ALKANE

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000090

Client No.

MW-3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B20501

Sample wt/vol: 1015.0 (g/mL) ML

Lab File ID: Z53927.RR

Level: (low/med) LOW

Date Samp/Recv: 11/11/2002 11/12/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/16/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000091

Client No.

MW-3

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B20501

Sample wt/vol: 1015.0 (g/mL) ML

Lab File ID: Z53927.RR

Level: (low/med) LOW

Date Samp/Recv: 11/11/2002 11/12/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/16/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000092

Client No.

MW-3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B20501

Sample wt/vol: 1015.0 (g/mL) ML Lab File ID: Z53927.RR

Level: (low/med) LOW Date Samp/Recv: 11/11/2002 11/12/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo (ghi) perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000093

Client No.

MW-3

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B20501

Sample wt/vol: 1015.0 (g/mL) ML

Lab File ID: Z53927.RR

Level: (low/med) LOW

Date Samp/Recv: 11/11/2002 11/12/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/16/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N

pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	12.73	5	J

MW-9

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B27901

Sample wt/vol: 1010.0 (g/mL) ML

Lab File ID: Z53929.RR

Level: (low/med) LOW

Date Samp/Recv: 11/12/2002 11/13/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/16/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

MW-9

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B27901

Sample wt/vol: 1010.0 (g/mL) ML

Lab File ID: Z53929.RR

Level: (low/med) LOW

Date Samp/Recv: 11/12/2002 11/13/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/16/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000096

Client No.

MW-9

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B27901

Sample wt/vol: 1010.0 (g/mL) ML

Lab File ID: Z53929.RR

Level: (low/med) LOW

Date Samp/Recv: 11/12/2002 11/13/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/16/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000057

Client No.

MW-11

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40505

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54052.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000098

Client No.

MW-11

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B40505

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54052.RR

Level: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10 0.4	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000099

Client No.

MW-11

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40505

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54052.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg)

CAS NO.

COMPOUND

UG/L

Q

191-24-2-----Benzo(ghi)perylene

10

U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000100

Client No.

MW-11

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40505

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54052.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 3

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	17.08	3	J
2.	UNKNOWN ACID	20.28	4	J
3. 123-95-5	OCTADECANOIC ACID, BUTYL ESTR	21.33	2	JN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000101

Client No.

MW-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40504

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54049.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-52-7	Benzaldehyde	10	U	
108-95-2	Phenol	10	U	
111-44-4	Bis(2-chloroethyl) ether	10	U	
95-57-8	2-Chlorophenol	10	U	
95-48-7	2-Methylphenol	10	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U	
98-86-2	Acetophenone	10	U	
106-44-5	4-Methylphenol	10	U	
621-64-7	N-Nitroso-Di-n-propylamine	10	U	
67-72-1	Hexachloroethane	10	U	
98-95-3	Nitrobenzene	10	U	
78-59-1	Isophorone	10	U	
88-75-5	2-Nitrophenol	10	U	
105-67-9	2,4-Dimethylphenol	10	U	
111-91-1	Bis(2-chloroethoxy) methane	10	U	
120-83-2	2,4-Dichlorophenol	10	U	
91-20-3	Naphthalene	0.3	J	
106-47-8	4-Chloroaniline	10	U	
87-68-3	Hexachlorobutadiene	10	U	
105-60-2	Caprolactam	10	U	
59-50-7	4-Chloro-3-methylphenol	10	U	
91-57-6	2-Methylnaphthalene	10	U	
77-47-4	Hexachlorocyclopentadiene	10	U	
88-06-2	2,4,6-Trichlorophenol	10	U	
95-95-4	2,4,5-Trichlorophenol	10	U	
92-52-4	Biphenyl	10	U	
91-58-7	2-Chloronaphthalene	10	U	
88-74-4	2-Nitroaniline	25	U	
131-11-3	Dimethyl phthalate	10	U	
208-96-8	Acenaphthylene	10	U	
606-20-2	2,6-Dinitrotoluene	10	U	
99-09-2	3-Nitroaniline	25	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000102

Client No.

MW-12

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40504

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54049.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10 0.3	BU
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000103

Client No.

MW-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40504

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54049.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

191-24-2-----Benzo(ghi)perylene

10

U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000104

Client No.

MW-12

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40504

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54049.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

SPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 5989-27-5	D-LIMONENE	8.71	22	JN
2.	UNKNOWN ACID	20.28	2	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000105

Client No.

MW-15S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35705

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54045.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000100

Client No.

MW-15S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B35705

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54045.RR

Level: (low/med) LOW Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.4	J
117-84-0	Di-n-octyl phthalate	10 0.5	BW
205-99-2	Benzo(b) fluoranthene	10	U
207-08-9	Benzo(k) fluoranthene	10	U
50-32-8	Benzo(a) pyrene	10	U
193-39-5	Indeno(1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo(a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000107

Client No.

MW-15S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35705

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54045.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

191-24-2-----Benzo (ghi) perylene

10

U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000108

Client No.

MW-16D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40501

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54046.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000109

Client No.

MW-16D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40501

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54046.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10 0.8	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000110

Client No.

MW-16D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40501

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54046.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000111

Client No.

MW-16D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40501

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54046.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	18.60	2	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000112

Client No.

MW-16R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40502

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54047.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-52-7	Benzaldehyde	10	U	
108-95-2	Phenol	10	U	
111-44-4	Bis(2-chloroethyl) ether	10	U	
95-57-8	2-Chlorophenol	10	U	
95-48-7	2-Methylphenol	10	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U	
98-86-2	Acetophenone	10	U	
106-44-5	4-Methylphenol	2	J	
621-64-7	N-Nitroso-Di-n-propylamine	10	U	
67-72-1	Hexachloroethane	10	U	
98-95-3	Nitrobenzene	10	U	
78-59-1	Isophorone	10	U	
88-75-5	2-Nitrophenol	10	U	
105-67-9	2,4-Dimethylphenol	10	U	
111-91-1	Bis(2-chloroethoxy) methane	10	U	
120-83-2	2,4-Dichlorophenol	10	U	
91-20-3	Naphthalene	660-950	ED	
106-47-8	4-Chloroaniline	10	U	
87-68-3	Hexachlorobutadiene	10	U	
105-60-2	Caprolactam	10	U	
59-50-7	4-Chloro-3-methylphenol	10	U	
91-57-6	2-Methylnaphthalene	140	EDJ	
77-47-4	Hexachlorocyclopentadiene	10	EDJ	
88-06-2	2,4,6-Trichlorophenol	10	U	
95-95-4	2,4,5-Trichlorophenol	10	U	
92-52-4	Biphenyl	7	J	
91-58-7	2-Chloronaphthalene	10	U	
88-74-4	2-Nitroaniline	25	U	
131-11-3	Dimethyl phthalate	10	U	
208-96-8	Acenaphthylene	2	J	
606-20-2	2,6-Dinitrotoluene	10	U	
99-09-2	3-Nitroaniline	25	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000113

Client No.

MW-16R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B40502

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54047.RR

Level: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	53	J
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	2	J
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	16	J
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	9	J
120-12-7-----	Anthracene	1	J
86-74-8-----	Carbazole	4	J
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	0.3	J
129-00-0-----	Pyrene	0.4	J
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10 0.6	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000114

Client No.

MW-16R

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B40502

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54047.RR

Level: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo (ghi) perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000115

Client No.

MW-16R

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40502

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54047.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

C Cleanup: (Y/N) N pH: 6.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE ISOMER	7.50	24	J
2.	TRIMETHYLBENZENE ISOMER	8.08	34	J
3.	TRIMETHYLBENZENE ISOMER	8.60	17	J
4. 496-11-7	INDANE	8.85	140	JN
5. 95-13-6	INDENE	9.01	160	JN
6. 90-12-0	1-METHYLNAPHTHALENE	13.23	3	JN
7.	ETHYLNAPHTHALENE ISOMER	14.33	7	J
8.	DIMETHYLNAPHTHALENE ISOMER	14.68	16	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000116

Client No.

MW-16R DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40502DL

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54074.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 20.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg)

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	200	U
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl) ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-Di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy) methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	950	D
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	140	DJ
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	Biphenyl	200	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethyl phthalate	200	U
208-96-8	Acenaphthylene	200	U
606-20-2	2,6-Dinitrotoluene	200	U
99-09-2	3-Nitroaniline	500	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000117

Client No.

MW-16R DL

Lab Name: STL Buffalo

Contract: _____

Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40502DL

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54074.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 20.00

Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
83-32-9-----	Acenaphthene		52	DJ
51-28-5-----	2,4-Dinitrophenol		500	U
100-02-7-----	4-Nitrophenol		500	U
132-64-9-----	Dibenzofuran		200	U
121-14-2-----	2,4-Dinitrotoluene		200	U
84-66-2-----	Diethyl phthalate		200	U
7005-72-3-----	4-Chlorophenyl phenyl ether		200	U
86-73-7-----	Fluorene		8	DJ
100-01-6-----	4-Nitroaniline		500	U
534-52-1-----	4,6-Dinitro-2-methylphenol		500	U
86-30-6-----	N-nitrosodiphenylamine		200	U
101-55-3-----	4-Bromophenyl phenyl ether		200	U
118-74-1-----	Hexachlorobenzene		200	U
1912-24-9-----	Atrazine		200	U
87-86-5-----	Pentachlorophenol		500	U
85-01-8-----	Phenanthrene		6	DJ
120-12-7-----	Anthracene		200	U
86-74-8-----	Carbazole		200	U
84-74-2-----	Di-n-butyl phthalate		200	U
206-44-0-----	Fluoranthene		200	U
129-00-0-----	Pyrene		200	U
85-68-7-----	Butyl benzyl phthalate		200	U
91-94-1-----	3,3'-Dichlorobenzidine		200	U
56-55-3-----	Benzo(a)anthracene		200	U
218-01-9-----	Chrysene		200	U
117-81-7-----	Bis(2-ethylhexyl) phthalate		200	U
117-84-0-----	Di-n-octyl phthalate		200	U
205-99-2-----	Benzo(b)fluoranthene		200	U
207-08-9-----	Benzo(k)fluoranthene		200	U
50-32-8-----	Benzo(a)pyrene		200	U
193-39-5-----	Indeno(1,2,3-cd)pyrene		200	U
53-70-3-----	Dibenzo(a,h)anthracene		200	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000118

Client No.

MW-16R DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40502DL

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54074.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 20.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		200	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000119

Client No.

MW-16R DL

Lab Name: STL Buffalo

Contract: _____

Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40502DL

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54074.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 20.00

GC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 766-97-2	1-ETHYNYL-4-METHYL BENZENE	9.01	130	JN
2. 90-12-0	1-METHYLNAPHTHALENE	13.21	75	JN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000120

Client No.

MW-17D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35703

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54041.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	1	J
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	2	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	8083	ED
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	3	J
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000121

Client No.

MW-17D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35703

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54041.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	38	J
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	0.7	J
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	6	J
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	1	J
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	2	J
84-74-2-----	Di-n-butyl phthalate	0.8	J
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	0.4	J
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000122

Client No.

MW-17D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35703

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54041.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000123

Client No.

MW-17D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35703

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54041.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 27

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	METHYLETHYLBENZENE ISOMER	6.76	4	J
2.	ETHYLMETHYLBENZENE ISOMER	8.06	14	J
3.	TRIMETHYLBENZENE ISOMER	8.60	16	J
4. 496-11-7	INDANE	8.86	310	JN
5.	2,3-DIHYDROMETHYL INDANE ISO	10.58	17	J
6.	2,3-DIHYDROMETHYL INDANE ISO	10.76	24	J
7. 767-59-9	1-METHYL-1H-INDENE	10.85	24	JN
8. 6351-10-6	2,3-DIHYDRO-1H-INDEN-1-OL	12.01	3	JN
9. 4565-32-6	2,3-DIHYDRO-1BENZOTHIOPHENE	12.40	7	JN
10.	UNKNOWN INDENE DER.	12.55	3	J
11. 83-33-0	2,3-DIHYDRO-1H-INDEN-1-ONE	12.76	6	JN
12.	METHYLBENZOTHIOPHENE ISOMER	12.88	4	J
13.	METHYLBENZOTHIOPHENE ISOMER	13.10	2	J
14. 91-57-6	1-METHYLNAPHTHALENE	13.23	96	JN
15.	2,3-DIHYDRO-1H-INDEN-OL ISOM	13.55	2	J
16. 939-27-5	2-ETHYLNAPHTHALENE	14.33	3	JN
17.	DIMETHYLNAPHTHALENE ISOMER	14.66	7	J
18.	DIMETHYLNAPHTHALENE ISOMER	14.71	2	J
19.	DIMETHYLNAPHTHALENE ISOMER	14.93	2	J
20.	UNKNOWN ACID	16.18	10	J
21.	UNKNOWN	19.93	2	BJ
22.	UNKNOWN	20.16	6	BJ
23.	UNKNOWN	21.31	9	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000124

Client No.

MW-17D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B35703

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54041.RR

Level: (low/med) LOW Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 27 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	21.60	12	BJ
25.	UNKNOWN	22.85	3	BJ
26.	UNKNOWN	23.10	6	BJ
27.	UNKNOWN	24.48	4	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000125

Client No.

MW-17D DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35703DL

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54073.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 2.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	19	U
108-95-2	Phenol	0.7	DJ
111-44-4	Bis(2-chloroethyl) ether	19	U
95-57-8	2-Chlorophenol	19	U
95-48-7	2-Methylphenol	19	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	U
98-86-2	Acetophenone	19	U
106-44-5	4-Methylphenol	19	U
621-64-7	N-Nitroso-Di-n-propylamine	19	U
67-72-1	Hexachloroethane	19	U
98-95-3	Nitrobenzene	19	U
78-59-1	Isophorone	19	U
88-75-5	2-Nitrophenol	19	U
105-67-9	2,4-Dimethylphenol	19	U
111-91-1	Bis(2-chloroethoxy) methane	19	U
120-83-2	2,4-Dichlorophenol	19	U
91-20-3	Naphthalene	2	DJ
106-47-8	4-Chloroaniline	19	U
87-68-3	Hexachlorobutadiene	19	U
105-60-2	Caprolactam	19	U
59-50-7	4-Chloro-3-methylphenol	19	U
91-57-6	2-Methylnaphthalene	83	D
77-47-4	Hexachlorocyclopentadiene	19	U
88-06-2	2,4,6-Trichlorophenol	19	U
95-95-4	2,4,5-Trichlorophenol	19	U
92-52-4	Biphenyl	2	DJ
91-58-7	2-Chloronaphthalene	19	U
88-74-4	2-Nitroaniline	48	U
131-11-3	Dimethyl phthalate	19	U
208-96-8	Acenaphthylene	19	U
606-20-2	2,6-Dinitrotoluene	19	U
99-09-2	3-Nitroaniline	48	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000126

Client No.

MW-17D DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35703DL

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54073.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 2.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO. COMPOUND Q

83-32-9-----	Acenaphthene	36	D
51-28-5-----	2,4-Dinitrophenol	48	U
100-02-7-----	4-Nitrophenol	48	U
132-64-9-----	Dibenzofuran	0.5	DJ
121-14-2-----	2,4-Dinitrotoluene	19	U
84-66-2-----	Diethyl phthalate	19	U
7005-72-3-----	4-Chlorophenyl phenyl ether	19	U
86-73-7-----	Fluorene	5	DJ
100-01-6-----	4-Nitroaniline	48	U
534-52-1-----	4,6-Dinitro-2-methylphenol	48	U
86-30-6-----	N-nitrosodiphenylamine	19	U
101-55-3-----	4-Bromophenyl phenyl ether	19	U
118-74-1-----	Hexachlorobenzene	19	U
1912-24-9-----	Atrazine	19	U
87-86-5-----	Pentachlorophenol	48	U
85-01-8-----	Phenanthrene	1	DJ
120-12-7-----	Anthracene	19	U
86-74-8-----	Carbazole	2	DJ
84-74-2-----	Di-n-butyl phthalate	1	DJ
206-44-0-----	Fluoranthene	19	U
129-00-0-----	Pyrene	19	U
85-68-7-----	Butyl benzyl phthalate	19	U
91-94-1-----	3,3'-Dichlorobenzidine	19	U
56-55-3-----	Benzo(a)anthracene	19	U
218-01-9-----	Chrysene	19	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	19	U
117-84-0-----	Di-n-octyl phthalate	19	U
205-99-2-----	Benzo(b)fluoranthene	19	U
207-08-9-----	Benzo(k)fluoranthene	19	U
50-32-8-----	Benzo(a)pyrene	19	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	19	U
53-70-3-----	Dibenzo(a,h)anthracene	19	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000127

Client No.

MW-17D DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35703DL

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54073.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 2.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u>	Q
191-24-2-----	Benzo(ghi)perylene	19	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000128

Client No.

MW-17D DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35703DL

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54073.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 2.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 12

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	8.08	11	J
2.	TRIMETHYLBENZENE ISOMER	8.61	14	J
3.	2,3-DIHYDROMETHYL INDANE ISO	10.60	15	J
4. 757-58-8	1-METHYL-INDAN	10.78	22	JN
5. 767-59-9	1-METHYL-1H-INDENE	10.86	21	JN
6.	2,3-DIHYDROBENZOTHIOPHENE IS	12.41	5	J
7. 83-33-0	2,3-DIHYDRO-1H- INDENE-1-ONE	12.76	4	JN
8. 90-12-0	1-METHYLNAPHTHALENE	13.23	94	JN
9.	DIMETHYLNAPHTHALENE ISOMER	14.68	6	J
10.	UNKNOWN ACID	16.15	10	J
11.	UNKNOWN	21.31	4	BJ
12.	UNKNOWN	21.60	7	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000129

Client No.

MW-17S

Lab Name: STL Buffalo

Contract: _____

Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35702

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54038.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	2	J
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	1	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	20	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000130

Client No.

MW-17S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B35702

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54038.RR

Level: (low/med) LOW Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
83-32-9	Acenaphthene	11	J
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	0.4	J
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	0.4	J
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.5	J
117-84-0	Di-n-octyl phthalate	10 0.4	BU
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000131

Client No.

MW-17S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35702

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54038.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000132

Client No.

MW-17S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B35702

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54038.RR

Level: (low/med) LOW

Date Samp/Recv: 11/13/2002 11/14/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/18/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 18

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE ISOMER	8.60	8	J
2. 496-11-7	INDANE	8.86	360	JN
3.	2,3-DIHYDROMETHYL INDANE ISO	10.58	6	J
4.	2,3-DIHYDROMETHYL INDANE ISO	10.76	14	J
5. 65051-83-4	1-METHYL-1H-INDENE	10.85	8	JN
6.	2,3-DIHYDROBENZOTHIOPHENE IS	12.40	7	J
7. 83-33-0	2,3-DIHYDRO-1H-INDENE-1-ONE	12.75	6	JN
8. 1470-94-6	2,3-DIHYDRO-1H-INDENE-1-OL	13.55	3	JN
9.	UNKNOWN ACID	16.15	6	J
10.	UNKNOWN	20.16	8	BJ
11.	UNKNOWN	21.31	9	BJ
12.	UNKNOWN	21.60	23	BJ
13.	UNKNOWN	22.80	7	BJ
14.	UNKNOWN	22.85	5	BJ
15.	UNKNOWN	23.11	8	BJ
16.	UNKNOWN	24.46	8	BJ
17.	UNKNOWN	26.20	4	BJ
18.	UNKNOWN	28.08	18	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000133

Client No.

MW-19D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40503

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54048.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	1	J
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000134

Client No.

MW-19D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B40503

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z54048.RR

Level: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	0.3	J
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10 0.3	U
205-99-2-----	Benzo(b) fluoranthene	10	U
207-08-9-----	Benzo(k) fluoranthene	10	U
50-32-8-----	Benzo(a) pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo(a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000135

Client No.

MW-19D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40503

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z54048.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000136

Client No.

MW-20D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B20502

Sample wt/vol: 1035.0 (g/mL) ML

Lab File ID: Z53928.RR

Level: (low/med) LOW

Date Samp/Recv: 11/11/2002 11/12/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/16/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO. COMPOUND Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000137

Client No.

MW-20D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B20502

Sample wt/vol: 1035.0 (g/mL) ML

Lab File ID: Z53928.RR

Level: (low/med) LOW

Date Samp/Recv: 11/11/2002 11/12/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/16/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	0.6	J
129-00-0-----	Pyrene	0.6	J
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	0.5	J
218-01-9-----	Chrysene	0.4	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	0.2	J
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000138

Client No.

MW-20D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B20502

Sample wt/vol: 1035.0 (g/mL) ML Lab File ID: Z53928.RR

Level: (low/med) LOW Date Samp/Recv: 11/11/2002 11/12/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000139

Client No.

MW-23S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B45901

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54111.RR

Level: (low/med) LOW

Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	1	J
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	0.3	J
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	3	J
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000140

Client No.

MW-23S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B45901

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54111.RR

Level: (low/med) LOW Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9	Acenaphthene		15	
51-28-5	2,4-Dinitrophenol		24	~~mu J~~
100-02-7	4-Nitrophenol		24	U
132-64-9	Dibenzofuran		10	U
121-14-2	2,4-Dinitrotoluene		10	U
84-66-2	Diethyl phthalate		10	U
7005-72-3	4-Chlorophenyl phenyl ether		10	U
86-73-7	Fluorene	0.6	J	
100-01-6	4-Nitroaniline		24	U
534-52-1	4,6-Dinitro-2-methylphenol		24	U
86-30-6	N-nitrosodiphenylamine		10	U
101-55-3	4-Bromophenyl phenyl ether		10	U
118-74-1	Hexachlorobenzene		10	U
1912-24-9	Atrazine		10	U
87-86-5	Pentachlorophenol		24	U
85-01-8	Phenanthrene		10	U
120-12-7	Anthracene		10	U
86-74-8	Carbazole	0.3	J	
84-74-2	Di-n-butyl phthalate	0.3	J	
206-44-0	Fluoranthene		10	U
129-00-0	Pyrene		10	U
85-68-7	Butyl benzyl phthalate	0.3	J	
91-94-1	3,3'-Dichlorobenzidine		10	U
56-55-3	Benzo(a)anthracene		10	U
218-01-9	Chrysene		10	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.8	J	
117-84-0	Di-n-octyl phthalate	10 0.9	~~mu~~	
205-99-2	Benzo(b)fluoranthene		10	U
207-08-9	Benzo(k)fluoranthene		10	U
50-32-8	Benzo(a)pyrene		10	U
193-39-5	Indeno(1,2,3-cd)pyrene		10	U
53-70-3	Dibenzo(a,h)anthracene		10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000141

Client No.

MW-23S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B45901

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54111.RR

Level: (low/med) LOW

Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----Benzo (ghi)perylene	10	U

MW-23S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GWMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B45901

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54111.RR

Level: (low/med) LOW Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 12

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 496-11-7	INDANE	8.83	99	JN
2.	2,3-DIHYDROMETHYL-1H-INDENE	10.56	3	J
3.	2,3-DIHYDROMETHYL-1H-INDENE	10.75	6	J
4.	UNKNOWN BENZENE DER.	10.83	2	J
5. 83-33-0	2,3-DIHYDRO-1H-INDENE-1-ONE	12.75	2	JN
6.	UNKNOWN	14.95	2	J
7.	UNKNOWN ACID	16.16	8	J
8.	UNKNOWN	17.41	2	J
9.	UNKNOWN	18.60	2	BJ
10.	UNKNOWN	19.90	4	BJ
11.	UNKNOWN	20.15	5	BJ
12.	UNKNOWN HYDROCARBON	23.08	3	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000143

Client No.

PZ-01D

Lab Name: STL Buffalo

Contract: _____

Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B45903

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54113.RR

Level: (low/med) LOW

Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	9	U
108-95-2	Phenol	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
95-57-8	2-Chlorophenol	9	U
95-48-7	2-Methylphenol	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2	Acetophenone	9	U
106-44-5	4-Methylphenol	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
105-60-2	Caprolactam	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
92-52-4	Biphenyl	9	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	23	U
131-11-3	Dimethyl phthalate	9	U
208-96-8	Acenaphthylene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
99-09-2	3-Nitroaniline	23	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000144

Client No.

PZ-01D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B45903

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z54113.RR

Level: (low/med) LOW Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9	Acenaphthene	9	U	
51-28-5	2,4-Dinitrophenol	23	U	W
100-02-7	4-Nitrophenol	23	U	
132-64-9	Dibenzofuran	9	U	
121-14-2	2,4-Dinitrotoluene	9	U	
84-66-2	Diethyl phthalate	9	U	
7005-72-3	4-Chlorophenyl phenyl ether	9	U	
86-73-7	Fluorene	9	U	
100-01-6	4-Nitroaniline	23	U	
534-52-1	4,6-Dinitro-2-methylphenol	23	U	
86-30-6	N-nitrosodiphenylamine	9	U	
101-55-3	4-Bromophenyl phenyl ether	9	U	
118-74-1	Hexachlorobenzene	9	U	
1912-24-9	Atrazine	9	U	
87-86-5	Pentachlorophenol	23	U	
85-01-8	Phenanthrene	9	U	
120-12-7	Anthracene	9	U	
86-74-8	Carbazole	9	U	
84-74-2	Di-n-butyl phthalate	9	U	
206-44-0	Fluoranthene	9	U	
129-00-0	Pyrene	9	U	
85-68-7	Butyl benzyl phthalate	9	U	
91-94-1	3,3'-Dichlorobenzidine	9	U	
56-55-3	Benzo (a) anthracene	9	U	
218-01-9	Chrysene	9	U	
117-81-7	Bis(2-ethylhexyl) phthalate	9	U	
117-84-0	Di-n-octyl phthalate	9	U	
205-99-2	Benzo (b) fluoranthene	9	U	
207-08-9	Benzo (k) fluoranthene	9	U	
50-32-8	Benzo (a) pyrene	9	U	
193-39-5	Indeno (1,2,3-cd) pyrene	9	U	
53-70-3	Dibenzo (a, h) anthracene	9	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000145

Client No.

PZ-01D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B45903

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54113.RR

Level: (low/med) LOW

Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----Benzo(ghi)perylene	9	U

PZ-01D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B45903

Sample wt/vol: 1070.0 (g/mL) ML

Lab File ID: Z54113.RR

Level: (low/med) LOW

Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 13

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	18.58	6	BJ
2.	UNKNOWN	19.91	9	BJ
3.	UNKNOWN	20.13	17	BJ
4.	UNKNOWN	21.30	21	BJ
5.	UNKNOWN	21.58	32	BJ
6.	UNKNOWN	22.76	12	BJ
7.	UNKNOWN	22.83	2	BJ
8.	UNKNOWN PHthalate DER.	22.98	2	J
9.	UNKNOWN	23.10	19	BJ
10.	UNKNOWN	24.40	5	BJ
11.	UNKNOWN PHthalate DER.	24.63	2	J
12.	UNKNOWN	24.81	3	J
13.	UNKNOWN	26.16	5	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000147

Client No.

PZ-01S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B45902

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54112.RR

Level: (low/med) LOW Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000145

Client No.

PZ-01S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B45902

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54112.RR

Level: (low/med) LOW Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9-----	Acenaphthene	2	J	
51-28-5-----	2,4-Dinitrophenol	24	~~U~~ <u>U</u>	
100-02-7-----	4-Nitrophenol	24	U	
132-64-9-----	Dibenzofuran	10	U	
121-14-2-----	2,4-Dinitrotoluene	10	U	
84-66-2-----	Diethyl phthalate	10	U	
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U	
86-73-7-----	Fluorene	10	U	
100-01-6-----	4-Nitroaniline	24	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U	
86-30-6-----	N-nitrosodiphenylamine	10	U	
101-55-3-----	4-Bromophenyl phenyl ether	10	U	
118-74-1-----	Hexachlorobenzene	10	U	
1912-24-9-----	Atrazine	10	U	
87-86-5-----	Pentachlorophenol	24	U	
85-01-8-----	Phenanthrene	10	U	
120-12-7-----	Anthracene	10	U	
86-74-8-----	Carbazole	10	U	
84-74-2-----	Di-n-butyl phthalate	0.6	J	
206-44-0-----	Fluoranthene	10	U	
129-00-0-----	Pyrene	10	U	
85-68-7-----	Butyl benzyl phthalate	10	U	
91-94-1-----	3,3'-Dichlorobenzidine	10	U	
56-55-3-----	Benzo(a)anthracene	10	U	
218-01-9-----	Chrysene	10	U	
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U	
117-84-0-----	Di-n-octyl phthalate	10 ~~0.8~~	~~U~~ <u>U</u>	
205-99-2-----	Benzo(b)fluoranthene	10	U	
207-08-9-----	Benzo(k)fluoranthene	10	U	
50-32-8-----	Benzo(a)pyrene	10	U	
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U	
53-70-3-----	Dibenzo(a,h)anthracene	10	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000149

Client No.

PZ-01S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B45902

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54112.RR

Level: (low/med) LOW

Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		10	U

000150

Client No.

PZ-01S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B45902

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54112.RR

Level: (low/med) LOW

Date Samp/Recv: 11/15/2002 11/18/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/21/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/22/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 6

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 496-11-7	INDANE	8.81	3	JN
2.	UNKNOWN	19.88	2	BJ
3.	UNKNOWN	20.15	4	BJ
4.	UNKNOWN	21.30	4	BJ
5.	UNKNOWN	21.58	6	BJ
6.	UNKNOWN	22.76	2	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000151

Client No.

PZ-02

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40506

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54053.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000152

Client No.

PZ-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40506

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54053.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10 0.6	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

000153

Client No.

PZ-02

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GWMW3

Matrix: (soil/water) WATER

Lab Sample ID: A2B40506

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: Z54053.RR

Level: (low/med) LOW

Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

191-24-2-----Benzo(ghi)perylene

10

U

PZ-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: GMMW3

Matrix: (soil/water) WATER Lab Sample ID: A2B40506

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z54053.RR

Level: (low/med) LOW Date Samp/Recv: 11/14/2002 11/15/2002

Moisture: _____ decanted: (Y/N) N Date Extracted: 11/19/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 3

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	METHYL (METHYLETHYL) BENZENE I	8.63	2	J
2.	UNKNOWN ACID	20.28	3	J
3.	UNKNOWN ACID	21.33	2	J

INORGANIC ANALYSES

Introduction

Analyses were performed according to USEPA SW-846 methods.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

Concentration (C) qualifiers:

- U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
- B The reported value was obtained from a reading less than the contract required detection limit (CRDL) but greater than or equal to the instrument detection limit (IDL).

Quantitation (Q) qualifiers:

- E The reported value is estimated due to the presence of interference.
- M Duplicate injection precision not met.
- N Spiked sample recovery not within control limits.
- S Reported value was determined by the method of standard additions (MSA).
- W Post-digestion spike for Furnace-AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- * Duplicate analysis not within control limits.
- + Correlation coefficient for MSA is less than 0.995.

Validation qualifiers:

- J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
- UJ The analyte was not detected above the reported sample detection limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding times for inorganic analyses under NYSASP protocols is as follows. All holding times are measured from validated time of sample receipt (VTSR).

Metals (other than mercury)	180 days
Mercury	26 days
Cyanide	12 days

The technical holding times for inorganic analyses is as follows. All holding times are measured from date of collection.

Metals (other than mercury)	180 days
Mercury	28 days
Cyanide	14 days

All samples were analyzed within specified holding times.

2. Blank Contamination

Quality assurance blanks, i.e., method, field, or rinse blanks, are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks (including initial and continuing calibration blanks and preparation blanks) measure laboratory contamination. Field and rinse blanks measure contamination of samples during field operations.

All calibration and preparation blanks were found to be acceptable, with no analytes detected above the CRDL. Several analytes were, however, detected below the CRDL. Based on the blank content data for the following samples and analytes have been qualified as undetected:

Aluminum	MW-3, MW-1, MW-11, MW-12, MW-23S, PZ-01D
Cadmium	MW-16R
Chromium	MW-3, MW-20D, MW-19D, MW-12, MW-11, PZ-02
Cobalt	MW-23S, PZ-01S
Copper	MW-11, MW-12, PZ-02, MW-23S, PZ01D, PZ-01S
Iron	MW-3, MW-20D, MW-12, PZ-02
Nickel	MW-23S, PZ-01S
Thallium	MW-1, MW-9, MW-12
Vanadium	MW-23S, PZ-01S

3. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument continuing performance is satisfactory.

3.1 Initial Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

3.2 Continuing Calibration

All continuing calibration verification standard recoveries were within control limits.

3.3 CRDL Standard

The CRDL standard recoveries for selenium were outside control limits. No data fell within the affected range, therefore, the recoveries have no impact on the reported data.

3.4 ICP Interference Control Sample

All ICS recoveries were acceptable.

4. Matrix Spike/Laboratory Duplicate

Matrix spike and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 Matrix spike

The matrix spike recovery was above control limits for cyanide. Positive data for cyanide have been qualified as estimated with a potential high bias, based on the deviation. All other matrix spike and matrix spike duplicate recoveries were within control limits.

4.2 Laboratory Duplicate

The duplicate results for cyanide were outside control limits. All other laboratory duplicate results were within control limits.

5. Field Duplicate

Results for duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-17S / DUP-1	arsenic	8.6B	6.0B	<CRDL
	barium	264	263	0.4%
	calcium	174000	180000	3.4%
	chromium	1.8B	1.3B	<CRDL
	cobalt	1.2B	1.8B	<CRDL
	copper	1.9B	4.6B	<CRDL
	iron	39500	40000	1.3%
	lead	5.0	3.7	29.9%
	magnesium	35100	36000	2.5%
	manganese	5600	5650	0.9%
	nickel	1.3B	1.0U	<CRDL
	potassium	2850B	7850B	<CRDL
	selenium	4.2B	4.0U	<CRDL
	sodium	141000	305000	73.5%
	vanadium	0.96B	0.70B	<CRDL
	zinc	4.1U	4.2B	<CRDL
	cyanide	75.7	64.5	16.0%

The duplicate results for sodium are unacceptable. All data for sodium have been qualified as estimated based on the results.

6. Laboratory Control Sample (LCS)

All LCS recoveries were within control limits.

7. Serial Dilution

Serial dilution results were outside acceptable limits for potassium, calcium, iron, magnesium, manganese, and sodium. Data for calcium, magnesium, manganese, potassium and sodium in all samples and data for iron in samples MW-1, MW-17S, MW-17D, MW-18S, MW-15S, DUP-1, MW-16D, MW-16R, MW-19D, MW-11, MW-23S, PZ01S and PZ-01D have been qualified as estimated based on the results.

8. Furnace QC

No furnace analyses were performed on the samples.

9. Method of Standard Additions (MSA)

No samples were analyzed following the method of standard additions.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist

Inorganic Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Is there a narrative or cover letter present?	<u>X</u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u>X</u>	<u> </u>	<u> </u>
Are the sample chain-of-custodies present?	<u>X</u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>	<u>X</u>	<u> </u>
<u>Form I to IX</u>			
Are all the Form I through Form IX labeled with:			
Laboratory name?	<u>X</u>	<u> </u>	<u> </u>
Sample No.?	<u>X</u>	<u> </u>	<u> </u>
SDG No.?	<u>X</u>	<u> </u>	<u> </u>
Correct units?	<u>X</u>	<u> </u>	<u> </u>
Matrix?	<u>X</u>	<u> </u>	<u> </u>
<u>Raw Data</u>			
Is the digestion log for flame AA/ICP present?	<u>X</u>	<u> </u>	<u> </u>
Is the digestion log for furnace AA present?	<u> </u>	<u> </u>	<u>X</u>
Is the distillation log for mercury present?	<u>X</u>	<u> </u>	<u> </u>
Is the distillation log for cyanides present?	<u>X</u>	<u> </u>	<u> </u>
Are pH values listed?	<u>X</u>	<u> </u>	<u> </u>
pH for metals analyses <2 (waters)?	<u>X</u>	<u> </u>	<u> </u>
pH for cyanide analyses >12 (waters)?	<u>X</u>	<u> </u>	<u> </u>
Percent solids calculation present for soils/sediments?	<u>X</u>	<u> </u>	<u> </u>
Are preparation dates present on sample preparation logs/bench sheets?	<u>X</u>	<u> </u>	<u> </u>
Are the measurement read out records present for:			
ICP	<u>X</u>	<u> </u>	<u> </u>
Flame AA	<u> </u>	<u> </u>	<u>X</u>
Furnace AA	<u> </u>	<u> </u>	<u>X</u>
Mercury	<u>X</u>	<u> </u>	<u> </u>
Cyanides	<u>X</u>	<u> </u>	<u> </u>
Is the data legible?	<u>X</u>	<u> </u>	<u> </u>
Is the data properly labeled?	<u>X</u>	<u> </u>	<u> </u>
<u>Holding Times</u>			
Were mercury analyses performed within 28 days?	<u>X</u>	<u> </u>	<u> </u>

Inorganic Data Validation Checklist - Page 2

	YES	NO	NA
Were cyanide distillations performed within 14 days?	<u>X</u>	<u> </u>	<u> </u>
Were other metal analysis performed within 6 months?	<u>X</u>	<u> </u>	<u> </u>
<u>Form I (Final Data)</u>			
Are all forms complete?	<u>X</u>	<u> </u>	<u> </u>
Are correct units indicated on Form I's?	<u>X</u>	<u> </u>	<u> </u>
Are soil sample results for each parameter corrected for percent solids?	<u>X</u>	<u> </u>	<u> </u>
Are all "less than IDL" values properly coded with "U"?	<u>X</u>	<u> </u>	<u> </u>
Are the correct concentration qualifiers used with final data?	<u>X</u>	<u> </u>	<u> </u>
Is a physical description of samples given on Form I's?	<u>X</u>	<u> </u>	<u> </u>
<u>Calibration</u>			
Is a record of at least 2 point calibration present for ICP analysis?	<u>X</u>	<u> </u>	<u> </u>
Is a record of 5 point calibration present for Hg analysis?	<u>X</u>	<u> </u>	<u> </u>
Is a record of 4 point calibration present for:			
Flame AA?	<u> </u>	<u> </u>	<u>X</u>
Furnace AA?	<u> </u>	<u> </u>	<u>X</u>
Cyanides?	<u>X</u>	<u> </u>	<u> </u>
Is one calibration standard at the CRDL level for all AA (except Hg) and cyanides analyses?	<u>X</u>	<u> </u>	<u> </u>
Is correlation coefficient less than .995 for:			
Mercury Analysis?	<u> </u>	<u>X</u>	<u> </u>
Cyanide Analysis?	<u> </u>	<u>X</u>	<u> </u>
Atomic Absorption Analysis?	<u> </u>	<u> </u>	<u>X</u>
<u>Form II A (Initial and Continuing Calibration Verification)</u>			
Present and complete for all analytes?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration standards (initial and continuing) within control limits for:			
Metals (90-110%)?	<u>X</u>	<u> </u>	<u> </u>
Hg (80-120%)?	<u>X</u>	<u> </u>	<u> </u>
Cyanides (85-115%)?	<u>X</u>	<u> </u>	<u> </u>
Was continuing calibration performed every 10 samples or every 2 hours?	<u>X</u>	<u> </u>	<u> </u>

Inorganic Data Validation Checklist - Page 3

	YES	NO	NA
Was the ICV for cyanides distilled?	<u>X</u>	<u> </u>	<u> </u>
<u>Form II B (CRDL Standards for AA and ICP)</u>			
Was a CRDL standard (CRA) analyzed after initial calibration for all AA metals (except Hg)?	<u> </u>	<u> </u>	<u>X</u>
Was a mid-range calibration verification standard distilled and analyzed for cyanide analysis?	<u>X</u>	<u> </u>	<u> </u>
Was a 2xCRDL (or 2xIDL when IDL>CRDL) standard (CRI) analyzed for each ICP run?	<u>X</u>	<u> </u>	<u> </u>
Was CRI analyzed after the ICV/ICB and before the final CCV/CCB, and twice every eight hours for each ICP run?	<u>X</u>	<u> </u>	<u> </u>
Are CRA and CRI standards within control limits for metals (60-140%)?	<u> </u>	<u>X</u>	<u> </u>
Is mid-range standard within control limits for cyanide (80-120%)?	<u>X</u>	<u> </u>	<u> </u>
<u>Form III (Initial and Continuing Calibration Blanks)</u>			
Present and complete?	<u>X</u>	<u> </u>	<u> </u>
Was an initial calibration blank analyzed?	<u>X</u>	<u> </u>	<u> </u>
Was a continuing calibration blank analyzed after every 10 samples or every 2 hours (which ever is more frequent)?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration blanks (when IDL<CRDL) less than or equal to the Contract Required Detection Limits (CRDLs)?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration blanks less than two times Instrument Detection Limit (when IDL>CRDL)?	<u> </u>	<u> </u>	<u>X</u>
<u>Form III (Preparation Blank)</u>			
Was one prep. blank analyzed for:			
each Sample Delivery Group SDG)?	<u>X</u>	<u> </u>	<u> </u>
each batch of digested samples?	<u>X</u>	<u> </u>	<u> </u>
each matrix type?	<u>X</u>	<u> </u>	<u> </u>
Is concentration of prep. blank value less than the CRDL (when IDL≤CRDL)?	<u>X</u>	<u> </u>	<u> </u>
If no, is the concentration of the sample with the least concentrated analyte less than 10 times the prep. blank?	<u> </u>	<u> </u>	<u>X</u>
Is concentration of prep. blank value less than two times IDL (when IDL>CRDL)?	<u> </u>	<u> </u>	<u>X</u>

Inorganic Data Validation Checklist - Page 4

	YES	NO	NA
Is concentration of prep. blank below the negative CRDL?	_____	<u>X</u>	_____
<u>Form IV (ICP Interference Check Sample)</u>			
Present and complete?	<u>X</u>	_____	_____
Was ICS analyzed at beginning and end of run (or at least twice every 8 hours)?	<u>X</u>	_____	_____
Are all ICS results inside the control limits ($\pm 20\%$)?	<u>X</u>	_____	_____
If no, is concentration of Al, Ca, Fe, or Mg lower than the respective concentration in ICS?	_____	_____	<u>X</u>
<u>Form V A (Spiked Sample Recovery - Pre-Digestion/Pre-Distillation)</u>			
Present and complete for:			
each SDG?	<u>X</u>	_____	_____
each matrix type?	<u>X</u>	_____	_____
Was field blank used for spiked sample?	_____	<u>X</u>	_____
Are all recoveries for analytes with sample concentrations less than four times the spike concentration within control limits (75-125)?	_____	<u>X</u>	_____
Are results outside the control limits (75-125%) flagged with "N" on Form I's and Form VA?	_____	<u>X</u>	_____
<u>Aqueous</u>			
Are any spike recoveries:			
less than 30%?	_____	<u>X</u>	_____
between 30-74%?	_____	<u>X</u>	_____
between 126-150%?	<u>X</u>	_____	_____
greater than 150%?	_____	<u>X</u>	_____
<u>Soil/Sediment</u>			
Are any spike recoveries:			
less than 10%?	_____	_____	<u>X</u>
between 10-74%?	_____	_____	<u>X</u>
between 126-200%?	_____	_____	<u>X</u>
greater than 200%?	_____	_____	<u>X</u>
<u>Form VI (Lab Duplicates)</u>			
Present and complete for:			
each SDG?	<u>X</u>	_____	_____
each matrix type?	<u>X</u>	_____	_____

Inorganic Data Validation Checklist - Page 5

	YES	NO	NA
Was field blank used for duplicate analysis?	<u> </u>	<u> X </u>	<u> </u>
Are all values within control limits (RPD 20% or difference $\leq \pm$ CRDL)?	<u> </u>	<u> X </u>	<u> </u>
If no, are all results outside the control limits flagged with an * on Form I's and VI?	<u> </u>	<u> X </u>	<u> </u>
<u>Aqueous</u>			
Is any RPD greater than 20% where sample and duplicate are both greater than or equal to 5 times CRDL?	<u> </u>	<u> X </u>	<u> </u>
Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?	<u> </u>	<u> X </u>	<u> </u>
<u>Soil/Sediment</u>			
Is any RPD (where sample and duplicate are both greater than or equal to 5 times CRDL) > 100%?	<u> </u>	<u> </u>	<u> X </u>
Is any difference between sample and duplicate (where sample and/or duplicate is less than 5xCRDL) > 2xCRDL?	<u> </u>	<u> </u>	<u> X </u>
<u>Field Duplicates</u>			
Were field duplicates analyzed?	<u> X </u>	<u> </u>	<u> </u>
<u>Aqueous</u>			
is any RPD greater than 50% where sample and duplicate are both greater than or equal to 5 times CRDL?	<u> X </u>	<u> </u>	<u> </u>
Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?	<u> </u>	<u> X </u>	<u> </u>
<u>Soil/Sediment</u>			
Is any RPD (where sample and duplicate are both greater than 5 times CRDL) > 100%?	<u> </u>	<u> </u>	<u> X </u>
Is any difference between sample and duplicate (where sample and/or duplicate is less than 5x CRDL) > 2xCRDL?	<u> </u>	<u> </u>	<u> X </u>
<u>Form VII (Laboratory Control Sample)</u>			
Was one LCS prepared and analyzed for:			
each SDG?	<u> X </u>	<u> </u>	<u> </u>
each batch samples digested/distilled?	<u> X </u>	<u> </u>	<u> </u>

Inorganic Data Validation Checklist - Page 6

	YES	NO	NA
<u>Aqueous LCS</u>			
Is any LCS recovery:			
less than 50%?	_____	<u> X </u>	_____
between 50% and 79%?	_____	<u> X </u>	_____
between 121% and 150%?	_____	<u> X </u>	_____
greater than 150%?	_____	<u> X </u>	_____
<u>Solid LCS</u>			
Is LCS "Found" value higher than the control limits?	_____	_____	<u> X </u>
Is LCS "Found" lower than the control limits?	_____	_____	<u> X </u>
<u>Form IX (ICP Serial Dilution)</u>			
Was Serial Dilution analysis performed for:			
each SDG?	<u> X </u>	_____	_____
each matrix type?	<u> X </u>	_____	_____
Was field blank(s) used for Serial Dilution Analysis?	_____	<u> X </u>	_____
Are results outside control limit flagged with an "E" on Form I's and Form IX when initial concentration on Form IX is equal to 50 times IDL or greater.	<u> X </u>	_____	_____
Are any required % difference values:			
> 10%?	<u> X </u>	_____	_____
≥ 100%?	_____	<u> X </u>	_____
<u>Furnace Atomic Absorption (AA) QC Analysis</u>			
Are duplicate injections present in furnace raw data (except during full Method of Standard Addition) for each sample analyzed by GFAA?	_____	_____	<u> X </u>
Do the duplicate injection readings agree within 20% Relative Standard Deviation (RSD) or coefficient of Variation (CV) for concentrations greater than CRDL?	_____	_____	<u> X </u>
Were dilutions analyzed for samples with analytical spike recovery less than 40%?	_____	_____	<u> X </u>
Is analytical spike recovery outside the control limits (85-115%) for any sample?	_____	_____	<u> X </u>
<u>Form VIII (Method of Standard Addition Results)</u>			
Present?	_____	<u> X </u>	_____
If no, is any Form I result coded with "S" or "+"?	_____	<u> X </u>	_____
Was MSA required for any sample but not performed?	_____	<u> X </u>	_____

Inorganic Data Validation Checklist - Page 7

	YES	NO	NA
Is the coefficient of correlation for MSA less than 0.995 for any sample?	<u> </u>	<u> </u>	<u> X </u>
Is the coefficient of correlation for MSA less than 0.990 for any sample?	<u> </u>	<u> </u>	<u> X </u>
Was proper quantitation procedure followed?	<u> </u>	<u> </u>	<u> X </u>
<u>Dissolved/Total for Inorganic/Total Analytes</u>			
Were any analyses performed for dissolved as well as total analytes on the same sample.	<u> </u>	<u> X </u>	<u> </u>
Is the concentration of any dissolved analyte greater than its total concentration by more than 10%? (if greater than CRDL)	<u> </u>	<u> </u>	<u> X </u>
Is the concentration of any dissolved analyte greater than its total concentration by more than 50%?	<u> </u>	<u> </u>	<u> X </u>
<u>Field Blank</u>			
Is the field blank concentration less than CRDL (or 2xIDL when IDL>CRDL) for all analytes?	<u> </u>	<u> X </u>	<u> </u>
If no, was field blank value already rejected due to other QC criteria?	<u> </u>	<u> X </u>	<u> </u>
<u>Form X, XI, XII (Verification of Instrumental Parameters)</u>			
Is verification report present for :			
Instrument Detection Limits (quarterly)?	<u> X </u>	<u> </u>	<u> </u>
ICP Interelement Correlation Factors (annually)?	<u> X </u>	<u> </u>	<u> </u>
ICP Linear Ranges (quarterly)?	<u> X </u>	<u> </u>	<u> </u>
Is IDL greater than CRDL for any analyte?	<u> </u>	<u> X </u>	<u> </u>
If yes, are the concentrations of the samples analyzed on the instrument whose IDL exceeds CRDL, greater than 5xIDL.	<u> </u>	<u> </u>	<u> X </u>
Was any sample result higher than the linear range of ICP.	<u> </u>	<u> X </u>	<u> </u>
Was any sample result higher than the highest calibration standard for non-ICP parameters?	<u> </u>	<u> X </u>	<u> </u>
If yes for any of the above, was the sample diluted to obtain the result on Form I?	<u> </u>	<u> </u>	<u> X </u>
<u>Percent Solids</u>			
Are the percent solids in soil/sediment(s):			
< 50%?	<u> </u>	<u> </u>	<u> X </u>
< 10%?	<u> </u>	<u> </u>	<u> X </u>

Corrected Sample Analysis Data Sheets

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG No.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240053

Level (low/med): LOW

Date Received: 11/14/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	6.0	B		P
7440-39-3	Barium	263			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	180000		EJ	P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	1.8	B		P
7440-50-8	Copper	4.6	B		P
7439-89-6	Iron	40000		EJ	P
7439-92-1	Lead	3.7			P
7439-95-4	Magnesium	36000		EJ	P
7439-96-5	Manganese	5650		EJ	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	7850	B	EJ	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	305000		EJ	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	4.2	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-1

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: GMMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240046

Level (low/med): LOW

Date Received: 11/14/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	108	B	U	P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	119	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	143000		ES	P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	1.6	B		P
7439-89-6	Iron	2650		ES	P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	36700		ES	P
7439-96-5	Manganese	1000		ES	P
7440-02-0	Nickel	1.1	B		P
7440-09-7	Potassium	8560	B	ES	P
7782-49-2	Selenium	4.0	U		P
7439-97-6	Mercury	0.065	U		CV
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	237000		ES	P
7440-28-0	Thallium	3.9	B	U	P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	6.2	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-3

Contract: NY02-153

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240043

Level (low/med): LOW

Date Received: 11/12/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	33.7	~~B~~ U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	338			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.8	B		P
7440-70-2	Calcium	305000	~~B~~ J		P
7440-47-3	Chromium	2.4	~~B~~ U		P
7440-48-4	Cobalt	1.8	B		P
7440-50-8	Copper	2.5	B		P
7439-89-6	Iron	20.6	~~B~~ U		P
7439-92-1	Lead	9.4			P
7439-95-4	Magnesium	102000	~~B~~ J		P
7439-96-5	Manganese	11600	~~B~~ J		P
7440-02-0	Nickel	2.8	B		P
7440-09-7	Potassium	1270	B, ~~B~~ J		P
7782-49-2	Selenium	4.0	U		P
7439-97-6	Mercury	0.065	U		CV
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	102000	~~B~~ J		P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	7.8	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-9

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240045

Level (low/med): LOW

Date Received: 11/13/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	92.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	213000		ES	P
7440-47-3	Chromium	1.1	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	2.1	B		P
7439-89-6	Iron	594		ES	P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	63600		ES	P
7439-96-5	Manganese	1140		ES	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	5560	B	ES	P
7782-49-2	Selenium	4.0	U		P
7439-97-6	Mercury	0.065	U		CV
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	263000		ES	P
7440-28-0	Thallium	6.5	B	ES	P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	13.1	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-11

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG No.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240058

Level (low/med): LOW

Date Received: 11/15/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	60.0	B	U	P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	25.5			P
7440-39-3	Barium	204			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	133000		ES	P
7440-47-3	Chromium	1.3	B	U	P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	2.1	B	U	P
7439-89-6	Iron	31100		ES	P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	27200		ES	P
7439-96-5	Manganese	4030		ES	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	10600		ES	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	82800		ES	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	4.1	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240057

Level (low/med): LOW

Date Received: 11/15/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	142	~~B~~ U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	80.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	180000	~~B~~ U		P
7440-47-3	Chromium	1.9	~~B~~ U		P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	2.8	~~B~~ U		P
7439-89-6	Iron	131	~~B~~ U		P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	40200	~~B~~ U		P
7439-96-5	Manganese	3210	~~B~~ U		P
7440-02-0	Nickel	6.2	B		P
7440-09-7	Potassium	8190	B ~~B~~ U		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.75	B		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	192000	~~B~~ U		P
7440-28-0	Thallium	7.1	~~B~~ U		P
7440-62-2	Vanadium	1.2	B		P
7440-66-6	Zinc	4.9	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-15S

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240052

Level (low/med): LOW

Date Received: 11/14/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	194	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	76900		EJ	P
7440-47-3	Chromium	0.96	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	1.3	B		P
7439-89-6	Iron	3700		EJ	P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	8230		EJ	P
7439-96-5	Manganese	683		EJ	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	5380		EJ	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	85200		EJ	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	4.2	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-16D

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240054

Level (low/med): LOW

Date Received: 11/15/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	98.2	B		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	7.7	B		P
7440-39-3	Barium	738			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	142000		ES	P
7440-47-3	Chromium	1.4	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	17500		ES	P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	20300		ES	P
7439-96-5	Manganese	2150		ES	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	5480	B	ES	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	204000		ES	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	4.1	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-16R

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240055

Level (low/med): LOW

Date Received: 11/15/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	441			P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	1360			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.58	~~P~~ U		P
7440-70-2	Calcium	8330	~~P~~ J		P
7440-47-3	Chromium	1.1	B		P
7440-48-4	Cobalt	0.72	B		P
7440-50-8	Copper	3.9	B		P
7439-89-6	Iron	788	~~P~~ J		P
7439-92-1	Lead	2.8	B		P
7439-95-4	Magnesium	915	B ~~P~~ J		P
7439-96-5	Manganese	37.6	~~P~~ J		P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	5130	B ~~P~~ J		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	324000	~~P~~ J		P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	31.2			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-17D

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG No.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240050

Level (low/med): LOW

Date Received: 11/14/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	328			P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	4310			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	188000		EJ	P
7440-47-3	Chromium	1.7	B		P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	3.2	B		P
7439-89-6	Iron	7590		EJ	P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	43800		EJ	P
7439-96-5	Manganese	1740		EJ	P
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	3350	B	EJ	P
7782-49-2	Selenium	4.0	U		P
7439-97-6	Mercury	0.065	U		CV
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	161000		EJ	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	5.4	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-17S

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240047

Level (low/med): LOW

Date Received: 11/14/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	8.6	B		P
7440-39-3	Barium	264			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	174000		ES	P
7440-47-3	Chromium	1.8	B		P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	1.9	B		P
7439-89-6	Iron	39500		ES	P
7439-92-1	Lead	5.0			P
7439-95-4	Magnesium	35100		ES	P
7439-96-5	Manganese	5600		ES	P
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	2850	B	ES	P
7782-49-2	Selenium	4.2	B		P
7439-97-6	Mercury	0.065	U		CV
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	141000		ES	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.96	B		P
7440-66-6	Zinc	4.1	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-18S

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240051

Level (low/med): LOW

Date Received: 11/14/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	351			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	109000		EJ	P
7440-47-3	Chromium	1.4	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	3.4	B		P
7439-89-6	Iron	42900		EJ	P
7439-92-1	Lead	3.0			P
7439-95-4	Magnesium	19300		EJ	P
7439-96-5	Manganese	5770		EJ	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	3950	B	EJ	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	88900		EJ	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	4.1	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-19D

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240056

Level (low/med): LOW

Date Received: 11/15/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	59.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	127000		ES	P
7440-47-3	Chromium	1.4	B	KA	P
7440-48-4	Cobalt	4.9	B		P
7440-50-8	Copper	6.8	B		P
7439-89-6	Iron	1860		ES	P
7439-92-1	Lead	5.9			P
7439-95-4	Magnesium	26600		ES	P
7439-96-5	Manganese	8700		ES	P
7440-02-0	Nickel	1.2	B		P
7440-09-7	Potassium	16400	B	ES	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	117000		ES	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	4.1	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-20D

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG No.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240044

Level (low/med): LOW

Date Received: 11/12/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	147	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	229000		ES	P
7440-47-3	Chromium	0.72		U	P
7440-48-4	Cobalt	2.7	B		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	117		EU	P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	56900		ES	P
7439-96-5	Manganese	745		ES	P
7440-02-0	Nickel	4.3	B		P
7440-09-7	Potassium	3990	B	ES	P
7782-49-2	Selenium	4.0	U		P
7439-97-6	Mercury	0.065	U		CV
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	410000		ES	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	6.4	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-23S

Contract: NY02-153

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240062

Level (low/med): LOW

Date Received: 11/18/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	251	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	9.0	B		P
7440-39-3	Barium	1430			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	110000		J	P
7440-47-3	Chromium	1.6	B		P
7440-48-4	Cobalt	1.9	B	U	P
7440-50-8	Copper	5.0	B	U	P
7439-89-6	Iron	18100		J	P
7439-92-1	Lead	3.8			P
7439-95-4	Magnesium	18600		J	P
7439-96-5	Manganese	4020		J	P
7440-02-0	Nickel	3.3	B	U	P
7440-09-7	Potassium	7010	B	J	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.52	B		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	129000		J	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	1.7	B	U	P
7440-66-6	Zinc	28.2			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PZ-01D

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG No.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240064

Level (low/med): LOW

Date Received: 11/18/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	51.2	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	23.0			P
7440-39-3	Barium	398			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	100000	J		P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	0.68	U		P
7439-89-6	Iron	13800	J		P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	10900	J		P
7439-96-5	Manganese	1710	J		P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	5980	J		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	97800	J		P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	6.8	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PZ-01S

Contract: NY02-153

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240063

Level (low/med): LOW

Date Received: 11/18/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	5.0	B		P
7440-39-3	Barium	243			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	158000		J	P
7440-47-3	Chromium	1.0	B		P
7440-48-4	Cobalt	0.68	~~B~~ U		P
7440-50-8	Copper	0.83	~~B~~ U		P
7439-89-6	Iron	28600		J	P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	20600		J	P
7439-96-5	Manganese	1940		J	P
7440-02-0	Nickel	1.1	~~B~~ U		P
7440-09-7	Potassium	11600	~~B~~ J		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	94700		J	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.78	~~B~~ U		P
7440-66-6	Zinc	8.4	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

BLASLAND BOUCK & LEE, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PZ-02

Contract: NY02-153

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG No.: GWMW3

Matrix (soil/water): WATER

Lab Sample ID: AD240059

Level (low/med): LOW

Date Received: 11/15/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.5	U		P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	58.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	124000		ES	P
7440-47-3	Chromium	0.67	B	U	P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	1.9	B	U	P
7439-89-6	Iron	79.2	B	EU	P
7439-92-1	Lead	2.3	U		P
7439-95-4	Magnesium	15800		ES	P
7439-96-5	Manganese	11.2	B	ES	P
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	6090		ES	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-23-5	Sodium	36300		ES	P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	2.7	B		P
7440-66-6	Zinc	7.9	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

DUP-1

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B35706% Solids: 0.0Date Samp/Recv: 11/13/2002 11/14/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	64.5		J		9012	11/19/2002

Comments:

Lab Name: STL Buffalo

Contract: _____

MW-1

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B35701% Solids: 0.0Date Samp/Recv: 11/13/2002 11/14/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	20.2		✓		9012	11/19/2002

Comments:

Wet Chemistry Analysis

000175

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-11

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B40505% Solids: 0.0Date Samp/Recv: 11/14/2002 11/15/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	10	U			9012	11/19/2002

Comments:

Lab Name: STL Buffalo

Contract: _____

MW-12

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B40504% Solids: 0.0Date Samp/Recv: 11/14/2002 11/15/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	11.1		J		9012	11/19/2002

Comments:

Wet Chemistry Analysis

000177

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-15S

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B35705% Solids: 0.0Date Samp/Recv: 11/13/2002 11/14/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	12.7		J		9012	11/19/2002

Comments:

Wet Chemistry Analysis

000178

Client Sample No.

MW-16D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B40501% Solids: 0.0Date Samp/Recv: 11/14/2002 11/15/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	11.4		Y		9012	11/19/2002

Comments:

Wet Chemistry Analysis

000179

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-16R

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B40502% Solids: 0.0Date Samp/Recv: 11/14/2002 11/15/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total _____	UG/L	10	U			9012	11/19/2002

Comments:

Client Sample No.

MW-17D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B35703% Solids: 0.0Date Samp/Recv: 11/13/2002 11/14/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyze Date
Cyanide - Total	UG/L	185		J		9012	11/19/2002

Comments:

Wet Chemistry Analysis

000181

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-17S

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B35702% Solids: 0.0Date Samp/Recv: 11/13/2002 11/14/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	75.7		5		9012	11/19/2002

Comments:

Client Sample No.

MW-18S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B35704% Solids: 0.0Date Samp/Recv: 11/13/2002 11/14/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	45.1		✓		9012	11/19/2002

Comments:

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-19D

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GWMW3Matrix (soil/water): WATERLab Sample ID: A2B40503% Solids: 0.0Date Samp/Recv: 11/14/2002 11/15/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	21.8		J		9012	11/19/2002

Comments:

Client Sample No.

MW-20D

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B20502% Solids: 0.0Date Samp/Recv: 11/11/2002 11/12/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	10	U			9012	11/19/2002

Comments:

Wet Chemistry Analysis

Client Sample No.

MW-23S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: GWMW3Matrix (soil/water): WATERLab Sample ID: A2B45901% Solids: 0.0Date Samp/Recv: 11/15/2002 11/18/2002

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	97.3		J		9012	11/23/2002

Comments:


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Contract: \_\_\_\_\_

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Case No. : \_\_\_\_\_

SAS No. : \_\_\_\_\_

SDG No. : GWMW3

Lab Sample ID: A2B20501

% Solids: 0.0

Date Samp/Recv: 11/11/2002 11/12/2002

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## Wet Chemistry Analysis

000107

Client Sample No.

MW-9

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B27901% Solids: 0.0Date Samp/Recv: 11/12/2002 11/13/2002

| Parameter Name  | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|-----------------|------------------|--------|---|---|---|---------------|---------------|
| Cyanide - Total | UG/L             | 10     | U |   |   | 9012          | 11/19/2002    |

Comments:

## Wet Chemistry Analysis

Client Sample No.

PZ-01D

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: REONY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B45903% Solids: 0.0Date Samp/Recv: 11/15/2002 11/18/2002

| Parameter Name  | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|-----------------|------------------|--------|---|---|---|---------------|---------------|
| Cyanide - Total | UG/L             | 10.6   |   | J |   | 9012          | 11/23/2002    |

Comments:

## Wet Chemistry Analysis

Client Sample No.

PZ-01S

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: GWMW3Matrix (soil/water): WATERLab Sample ID: A2B45902% Solids: 0.0Date Samp/Recv: 11/15/2002 11/18/2002

| Parameter Name  | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|-----------------|------------------|--------|---|---|---|---------------|---------------|
| Cyanide - Total | UG/L             | 15.0   |   | J |   | 9012          | 11/23/2002    |

Comments:

Client Sample No.

PZ-02

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: GMMW3Matrix (soil/water): WATERLab Sample ID: A2B40506% Solids: 0.0Date Samp/Recv: 11/14/2002 11/15/2002

| Parameter Name  | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|-----------------|------------------|--------|---|---|---|---------------|---------------|
| Cyanide - Total | UG/L             | 10     | U |   |   | 9012          | 11/19/2002    |

Comments:

## Laboratory Narrative

## SAMPLE SUMMARY

| <u>LAB SAMPLE ID</u> | <u>CLIENT SAMPLE ID</u> | <u>SAMPLED</u> |             | <u>RECEIVED</u> |             |
|----------------------|-------------------------|----------------|-------------|-----------------|-------------|
|                      |                         | <u>DATE</u>    | <u>TIME</u> | <u>DATE</u>     | <u>TIME</u> |
| A2B35706             | DUP-1                   | 11/13/2002     |             | 11/14/2002      | 09:30       |
| A2B35701             | MW-1                    | 11/13/2002     | 08:35       | 11/14/2002      | 09:30       |
| A2B40505             | MW-11                   | 11/14/2002     | 14:25       | 11/15/2002      | 09:00       |
| A2B40504             | MW-12                   | 11/14/2002     | 13:05       | 11/15/2002      | 09:00       |
| A2B35705             | MW-15S                  | 11/13/2002     | 16:45       | 11/14/2002      | 09:30       |
| A2B40501             | MW-16D                  | 11/14/2002     | 08:20       | 11/15/2002      | 09:00       |
| A2B40502             | MW-16R                  | 11/14/2002     | 08:35       | 11/15/2002      | 09:00       |
| A2B35703             | MW-17D                  | 11/13/2002     | 12:45       | 11/14/2002      | 09:30       |
| A2B35702             | MW-17S                  | 11/13/2002     | 11:35       | 11/14/2002      | 09:30       |
| A2B35702MS           | MW-17S MS               | 11/13/2002     | 11:35       | 11/14/2002      | 09:30       |
| A2B35702SD           | MW-17S MSD              | 11/13/2002     | 11:35       | 11/14/2002      | 09:30       |
| A2B35704             | MW-18S                  | 11/13/2002     | 16:10       | 11/14/2002      | 09:30       |
| A2B40503             | MW-19D                  | 11/14/2002     | 10:45       | 11/15/2002      | 09:00       |
| A2B20502             | MW-20D                  | 11/11/2002     | 16:47       | 11/12/2002      | 09:00       |
| A2B45901             | MW-23S                  | 11/15/2002     | 08:15       | 11/18/2002      | 10:00       |
| A2B20501             | MW-3                    | 11/11/2002     | 15:20       | 11/12/2002      | 09:00       |
| A2B27901             | MW-9                    | 11/12/2002     | 08:45       | 11/13/2002      | 09:30       |
| A2B45903             | PZ-01D                  | 11/15/2002     | 10:10       | 11/18/2002      | 10:00       |
| A2B45902             | PZ-01S                  | 11/15/2002     | 10:00       | 11/18/2002      | 10:00       |
| A2B40506             | PZ-02                   | 11/14/2002     | 17:05       | 11/15/2002      | 09:00       |
| A2B20503             | TRIP BLANK              | 11/11/2002     |             | 11/12/2002      | 09:00       |
| A2B27902             | TRIP BLANK              | 11/12/2002     |             | 11/13/2002      | 09:30       |
| A2B35707             | TRIP BLANK              | 11/13/2002     |             | 11/14/2002      | 09:30       |
| A2B40507             | TRIP BLANK              | 11/14/2002     |             | 11/15/2002      | 09:00       |
| A2B45904             | TRIP BLANK              | 11/15/2002     |             | 11/18/2002      | 10:00       |

## METHODS SUMMARY

Job#: A02-B205,A02-B279,A02-B357,A02-B405,A02-B459STL Project#: NY2A8989SDG#: GMMW3Site Name: Blasland Bouck & Lee, Inc.

| PARAMETER                            | ANALYTICAL<br>METHOD |
|--------------------------------------|----------------------|
| EPA ASP 2000 - METHOD 8260 VOLATILES | ASP00 8260/5ML       |
| ASP 2000 - METHOD 8270 SEMIVOLATILES | ASP00 8270           |
| Aluminum - Total                     | ASP00 6010           |
| Antimony - Total                     | ASP00 6010           |
| Arsenic - Total                      | ASP00 6010           |
| Barium - Total                       | ASP00 6010           |
| Beryllium - Total                    | ASP00 6010           |
| Cadmium - Total                      | ASP00 6010           |
| Calcium - Total                      | ASP00 6010           |
| Chromium - Total                     | ASP00 6010           |
| Cobalt - Total                       | ASP00 6010           |
| Copper - Total                       | ASP00 6010           |
| Iron - Total                         | ASP00 6010           |
| Lead - Total                         | ASP00 6010           |
| Magnesium - Total                    | ASP00 6010           |
| Manganese - Total                    | ASP00 6010           |
| Mercury - Total                      | ASP00 7470           |
| Nickel - Total                       | ASP00 6010           |
| Potassium - Total                    | ASP00 6010           |
| Selenium - Total                     | ASP00 6010           |
| Silver - Total                       | ASP00 6010           |
| Sodium - Total                       | ASP00 6010           |
| Thallium - Total                     | ASP00 6010           |
| Vanadium - Total                     | ASP00 6010           |
| Zinc - Total                         | ASP00 6010           |
| Cyanide - Total                      | ASP00 9012           |

References:

ASP00 "Analytical Services Protocol", New York State Department of Conservation,  
June 2000.



## NON-CONFORMANCE SUMMARY

Job#: A02-B205,A02-B279,A02-B357,A02-B405,A02-B459STL Project#: NY2A8989SDG#: GMMW3Site Name: Blasland Bouck & Lee, Inc.General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

## A02-B205

Sample Cooler(s) were received at the following temperature(s); 3 °C

The vials for point MW-20D were labeled as MW-3. They were identified by the times on the bottles.

## A02-B279

Sample Cooler(s) were received at the following temperature(s); 2 °C

All samples were received in good condition.

## A02-B357

Sample Cooler(s) were received at the following temperature(s); 2@3 °C

The volume of 2-11GA and 2-40mlV was received the day following other samples for MW-15S (11/15/02).

The following volumes were received broken;

MW-1: 1-11GA

MW-17D: 1-11GA

MW-18S: 2-11GA no volume remained (this sample was submitted later, and will be reported in a subsequent SDG).

## A02-B405

Sample Cooler(s) were received at the following temperature(s); 2 @ 3 °C

All samples were received in good condition.

## A02-B459

Sample Cooler(s) were received at the following temperature(s); 6 °C

All samples were received in good condition.

GC/MS Volatile Data

All samples were preserved to a PH less than 2.

Initial calibration standard curve A2I0001197-1 exhibited the %RSD of Carbon Tetrachloride as greater than 20.5%. ASP00 protocol allows for the %RSD of up to two analytes to exceed quality control limits. As a result no corrective action was required.

Continuing calibration standard A2C0006574-1 exhibited the % difference of Bromomethane as greater than 25%. ASP00 protocol allows for the % difference of up to two analytes to exceed quality control limits. As a result no corrective action was required.

Continuing calibration standard A2C0006460-1 exhibited the % difference of Bromomethane as greater than 25%. ASP00 protocol allows for the % difference of up to two analytes to exceed quality control limits. As a result no corrective action was required.

The spike recovery of Benzene in the MSD of sample MW-17S exceeded quality control limits. MW-17S MS and the associated MSB exhibited compliant recoveries for all spiking compounds.

The relative percent difference between the Matrix Spike and the Matrix Spike duplicate of sample MW-17S exceeded quality control limits for Benzene.

The analyte 1,2,4-Trichlorobenzene was detected in Method Blank VBLK07 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

GC/MS Semivolatile Data

The analyte Di-n-octyl phthalate was detected in the Method Blanks A2B1160902, A2B1162502, A2B1171402 and A2B1184602 at levels below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The spike recoveries for 2,4-Dinitrotoluene, 4-Chloro-3-methylphenol and Pentachlorophenol were above the method defined quality control limits in the Matrix Spike Blank A2B1160901. Since the results were biased high and the analytes were not found in the samples, no corrective action was performed.

The spike recoveries for 2,4-Dinitrotoluene, 4-Chloro-3-methylphenol and Pentachlorophenol were above the method defined quality control limits in the Matrix Spike MW-17S MS. The Matrix Spike Blank was compliant. No corrective action was required.

Most of the surrogate recoveries for sample MW-16R DL were diluted out.

Metals Data

The following elements are not contained in the CLP spiking solution for samples MW-17S MS and MW-17S MSD: Calcium, Magnesium, Potassium, and Sodium.

SEVERN  
TRENT STL

The recovery of Iron fell below the quality control limits in sample MW-17S MS and MW-17S MSD. The recovery of Manganese fell below the quality control limits in sample MW-17S MSD. The sample results are more than four times greater than the spike added, therefore, no qualifiers are needed. The LFB was acceptable for all elements.

Wet Chemistry Data

The matrix spike on sample MW-17S for Cyanide analysis was outside of the recommended QC limits, however, the matrix spike dup was compliant.

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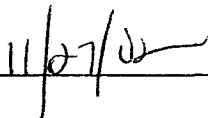
The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package and electronic deliverable has been authorized by the Laboratory Director or her designee, as verified by the following signature."



Susan L. Mazur  
Laboratory Director

Date



**NYSDEC Sample Preparation and Analysis Summary Sheets**

NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION  
AND  
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER<br>SAMPLE ID | LABORATORY<br>SAMPLE ID | ANALYTICAL REQUIREMENTS |              |           |             |        |                  |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|------------------|
|                       |                         | VOA<br>GC/MS            | BNA<br>GC/MS | VOA<br>GC | PEST<br>PCB | METALS | WATER<br>QUALITY |
| DUP-1                 | A2B35706                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-1                  | A2B35701                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-11                 | A2B40505                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-12                 | A2B40504                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-15S                | A2B35705                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-16D                | A2B40501                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-16R                | A2B40502                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-17D                | A2B35703                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-17S                | A2B35702                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-18S                | A2B35704                | ASP00                   | -            | -         | -           | ASP00  | -                |
| MW-19D                | A2B40503                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-20D                | A2B20502                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-23S                | A2B45901                | ASP00                   | ASP00        | -         | SW8463      | ASP00  | -                |
| MW-3                  | A2B20501                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| MW-9                  | A2B27901                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |
| PZ-01D                | A2B45903                | ASP00                   | ASP00        | -         | SW8463      | ASP00  | -                |
| PZ-01S                | A2B45902                | ASP00                   | ASP00        | -         | SW8463      | ASP00  | -                |
| PZ-02                 | A2B40506                | ASP00                   | ASP00        | -         | -           | ASP00  | -                |

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NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY  
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|-----------------------|--------|----------------|----------------------|----------------|---------------|
| DUP-1                 | WATER  | 11/13/2002     | 11/14/2002           | -              | 11/17/2002    |
| MW-1                  | WATER  | 11/13/2002     | 11/14/2002           | -              | 11/15/2002    |
| MW-11                 | WATER  | 11/14/2002     | 11/15/2002           | -              | 11/17/2002    |
| MW-12                 | WATER  | 11/14/2002     | 11/15/2002           | -              | 11/17/2002    |
| MW-15S                | WATER  | 11/13/2002     | 11/14/2002           | -              | -             |
| MW-16D                | WATER  | 11/14/2002     | 11/15/2002           | -              | 11/17/2002    |
| MW-16R                | WATER  | 11/14/2002     | 11/15/2002           | -              | 11/17/2002    |
| MW-17D                | WATER  | 11/13/2002     | 11/14/2002           | -              | 11/15/2002    |
| MW-17S                | WATER  | 11/13/2002     | 11/14/2002           | -              | 11/15/2002    |
| MW-18S                | WATER  | 11/13/2002     | 11/14/2002           | -              | 11/17/2002    |
| MW-19D                | WATER  | 11/14/2002     | 11/15/2002           | -              | 11/17/2002    |
| MW-20D                | WATER  | 11/11/2002     | 11/12/2002           | -              | 11/15/2002    |
| MW-23S                | WATER  | 11/15/2002     | 11/18/2002           | -              | 11/21/2002    |
| MW-3                  | WATER  | 11/11/2002     | 11/12/2002           | -              | 11/15/2002    |
| MW-9                  | WATER  | 11/12/2002     | 11/13/2002           | -              | 11/15/2002    |
| PZ-01D                | WATER  | 11/15/2002     | 11/18/2002           | -              | 11/21/2002    |
| PZ-01S                | WATER  | 11/15/2002     | 11/18/2002           | -              | 11/21/2002    |
| PZ-02                 | WATER  | 11/14/2002     | 11/15/2002           | -              | 11/17/2002    |

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NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY  
B/N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | DATE COLLECTED | DATE RECEIVED AT LAB | DATE EXTRACTED | DATE ANALYZED |
|-----------------------|--------|----------------|----------------------|----------------|---------------|
| DUP-1                 | WATER  | 11/13/2002     | 11/14/2002           | 11/18/2002     | 11/20/2002    |
| MW-1                  | WATER  | 11/13/2002     | 11/14/2002           | 11/18/2002     | 11/20/2002    |
| MW-11                 | WATER  | 11/14/2002     | 11/15/2002           | 11/19/2002     | 11/21/2002    |
| MW-12                 | WATER  | 11/14/2002     | 11/15/2002           | 11/19/2002     | 11/21/2002    |
| MW-15S                | WATER  | 11/13/2002     | 11/14/2002           | 11/19/2002     | 11/21/2002    |
| MW-16D                | WATER  | 11/14/2002     | 11/15/2002           | 11/19/2002     | 11/21/2002    |
| MW-16R                | WATER  | 11/14/2002     | 11/15/2002           | 11/19/2002     | 11/21/2002    |
| MW-16R DL             | WATER  | 11/14/2002     | 11/15/2002           | 11/19/2002     | 11/21/2002    |
| MW-17D                | WATER  | 11/13/2002     | 11/14/2002           | 11/18/2002     | 11/20/2002    |
| MW-17D DL             | WATER  | 11/13/2002     | 11/14/2002           | 11/18/2002     | 11/21/2002    |
| MW-17S                | WATER  | 11/13/2002     | 11/14/2002           | 11/18/2002     | 11/20/2002    |
| MW-19D                | WATER  | 11/14/2002     | 11/15/2002           | 11/19/2002     | 11/21/2002    |
| MW-20D                | WATER  | 11/11/2002     | 11/12/2002           | 11/15/2002     | 11/16/2002    |
| MW-23S                | WATER  | 11/15/2002     | 11/18/2002           | 11/21/2002     | 11/22/2002    |
| MW-3                  | WATER  | 11/11/2002     | 11/12/2002           | 11/15/2002     | 11/16/2002    |
| MW-9                  | WATER  | 11/12/2002     | 11/13/2002           | 11/15/2002     | 11/16/2002    |
| PZ-01D                | WATER  | 11/15/2002     | 11/18/2002           | 11/21/2002     | 11/22/2002    |
| PZ-01S                | WATER  | 11/15/2002     | 11/18/2002           | 11/21/2002     | 11/22/2002    |
| PZ-02                 | WATER  | 11/14/2002     | 11/15/2002           | 11/19/2002     | 11/21/2002    |

NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY  
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | METALS REQUESTED | DATE RECEIVED AT LAB | DATE DIGESTED | DATE ANALYZED    |
|-----------------------|--------|------------------|----------------------|---------------|------------------|
| DUP-1                 | WATER  | T TALME          | 11/14/2002           | 11/20,22/2002 | 11/20,24,26/2002 |
| MW-1                  | WATER  | T TALME          | 11/14/2002           | 11/20,22/2002 | 11/20,24,25/2002 |
| MW-11                 | WATER  | T TALME          | 11/15/2002           | 11/20,22/2002 | 11/20,25/2002    |
| MW-12                 | WATER  | T TALME          | 11/15/2002           | 11/20,22/2002 | 11/20,25/2002    |
| MW-15S                | WATER  | T TALME          | 11/14/2002           | 11/20,22/2002 | 11/20,24/2002    |
| MW-16D                | WATER  | T TALME          | 11/15/2002           | 11/20,22/2002 | 11/20,24,25/2002 |
| MW-16R                | WATER  | T TALME          | 11/15/2002           | 11/20,22/2002 | 11/20,25/2002    |
| MW-17D                | WATER  | T TALME          | 11/14/2002           | 11/20,22/2002 | 11/20,24,26/2002 |
| MW-17S                | WATER  | T TALME          | 11/14/2002           | 11/20,22/2002 | 11/20,24,25/2002 |
| MW-18S                | WATER  | T TALME          | 11/14/2002           | 11/20,22/2002 | 11/20,24/2002    |
| MW-19D                | WATER  | T TALME          | 11/15/2002           | 11/20,22/2002 | 11/20,25/2002    |
| MW-20D                | WATER  | T TALME          | 11/12/2002           | 11/15,22/2002 | 11/15,24,25/2002 |
| MW-23S                | WATER  | T TALME          | 11/18/2002           | 11/20,22/2002 | 11/20,25/2002    |
| MW-3                  | WATER  | T TALME          | 11/12/2002           | 11/15,22/2002 | 11/15,24,25/2002 |
| MW-9                  | WATER  | T TALME          | 11/13/2002           | 11/15,22/2002 | 11/15,24,25/2002 |
| PZ-01D                | WATER  | T TALME          | 11/18/2002           | 11/20,22/2002 | 11/20,25/2002    |
| PZ-01S                | WATER  | T TALME          | 11/18/2002           | 11/20,22/2002 | 11/20,25/2002    |
| PZ-02                 | WATER  | T TALME          | 11/15/2002           | 11/20,22/2002 | 11/20,25/2002    |



NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY  
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| SAMPLE IDENTIFICATION | MATRIX | ANALYTICAL PROTOCOL | EXTRACTION METHOD | AUXILIARY CLEAN UP | DIL/CONC FACTOR |
|-----------------------|--------|---------------------|-------------------|--------------------|-----------------|
| DUP-1                 | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-1                  | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-11                 | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-12                 | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-15S                | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-16D                | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-16R                | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-16R DL             | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-17D                | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-17D DL             | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-17S                | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-18S                | WATER  | ASP00               | -                 | AS REQUIRED        | AS REQUIRED     |
| MW-19D                | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-20D                | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-23S                | WATER  | SW8463              | -                 | AS REQUIRED        | AS REQUIRED     |
| MW-3                  | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| MW-9                  | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |
| PZ-01D                | WATER  | SW8463              | -                 | AS REQUIRED        | AS REQUIRED     |
| PZ-01S                | WATER  | SW8463              | -                 | AS REQUIRED        | AS REQUIRED     |
| PZ-02                 | WATER  | ASP00               | SEPF              | AS REQUIRED        | AS REQUIRED     |

NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY  
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| LABORATORY<br>SAMPLE CODE | MATRIX | ANALYTICAL<br>PROTOCOL | DIGESTION<br>PROCEDURE | MATRIX<br>MODIFIER | DIL/CONC<br>FACTOR |
|---------------------------|--------|------------------------|------------------------|--------------------|--------------------|
| DUP-1                     | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-1                      | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-11                     | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-12                     | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-15S                    | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-16D                    | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-16R                    | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-17D                    | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-17S                    | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-18S                    | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-19D                    | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-20D                    | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-23S                    | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-3                      | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| MW-9                      | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| PZ-01D                    | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| PZ-01S                    | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |
| PZ-02                     | WATER  | ASP00                  | ASP00                  | AS REQUIRED        | AS REQUIRED        |

## Sample Compliance Report

# SAMPLE COMPLIANCE REPORT

| Sample Delivery Group | Sampling Date | ASP Protocol | Sample ID | Matrix | Compliance |     |     |     | Noncompliance                                                                                                                    |
|-----------------------|---------------|--------------|-----------|--------|------------|-----|-----|-----|----------------------------------------------------------------------------------------------------------------------------------|
|                       |               |              |           |        | VOA        | BNA | PCB | TAL |                                                                                                                                  |
| GWMW3                 | 11/11/02      | 2000         | MW-3      | water  | no         | no  | --  | no  | VOA calibration, reporting limits<br>BNA calibration<br>TAL blank, Ser. D., f.dup                                                |
| GWMW3                 | 11/11/02      | 2000         | MW-20D    | water  | no         | no  | --  | no  | VOA calibration, reporting limits<br>BNA calibration, quantitation<br>TAL blank, Ser.D, f.dup                                    |
| GWMW3                 | 11/12/02      | 2000         | MW-9      | water  | no         | no  | --  | no  | VOA calibration, reporting limits<br>BNA calibration<br>TAL blank, Ser.D, f.dup                                                  |
| GWMW3                 | 11/13/02      | 2000         | MW-1      | water  | no         | no  | --  | no  | VOA calibration, reporting limits<br>BNA blank, calibration<br>TAL blank, MS, Ser.D, f.dup                                       |
| GWMW3                 | 11/13/02      | 2000         | MW-17S    | water  | no         | no  | --  | no  | VOA MSD, calibration, f.dup, quantition, reporting limits<br>BNA blank, calibraiton, quantitation<br>TAL blank, Ser.D, MS, f.dup |
| GWMW3                 | 11/13/02      | 2000         | MW-17D    | water  | no         | no  | --  | --  | VOA calibration, f.dup, quantitation, reporting limits<br>BNA calibration, quantitation<br>TAL blank, Ser.D, MS, f.dup           |
| GWMW3                 | 11/13/02      | 2000         | MW-18S    | water  | no         | --  | --  | no  | VOA calibration, f.dup, quatnitration, reporting limits<br>TAL blank, Ser.D, MS, f.dup                                           |
| GWMW3                 | 11/13/02      | 2000         | MW-15S    | water  | --         | no  | --  | no  | BNA blank, calibration, quantitation<br>TAL blank, Ser.D, MS, f. dup                                                             |
| GWMW3                 | 11/13/02      | 2000         | DUP-1     | water  | no         | no  | --  | no  | VOA calibration, f.dup, quantitationt, reporting limits<br>BNA blank, calibration, quantitation<br>TAL blank, Ser.D, MS, f.dup   |
| GWMW3                 | 11/14/02      | 2000         | MW-16D    | water  | no         | no  | --  | no  | VOA calibration, quantitation, reporting limits<br>BNA blank, calibration<br>TAL blank, Ser.D, MS, f.dup                         |

| Sample Delivery Group | Sampling Date | ASP Protocol | Sample ID  | Matrix | Compliance |     |     |     | Noncompliance                                                                                                                 |
|-----------------------|---------------|--------------|------------|--------|------------|-----|-----|-----|-------------------------------------------------------------------------------------------------------------------------------|
|                       |               |              |            |        | VOA        | BNA | PCB | TAL |                                                                                                                               |
| GWMW3                 | 11/14/02      | 2000         | MW-16R     | water  | no         | no  | --  | no  | VOA calibration, f.dup, quantitation, reporting limits<br>BNA blank, calibration, quantitation<br>TAL blank, Ser.D, f.dup     |
| GWMW3                 | 11/14/02      | 2000         | MW-19D     | water  | no         | no  | --  | no  | VOA calibration, reporting limits<br>BNA blank, calibration, quantitation<br>TAL blank, Ser.D, MS, f.dup                      |
| GWMW3                 | 11/14/02      | 2000         | MW-12      | water  | no         | no  | --  | no  | VOA calibration, reporting limits<br>BNA blank, calibration, quantitation<br>TAL blank, Ser.D, MS, f.dup                      |
| GWMW3                 | 11/14/02      | 2000         | MW-11      | water  | no         | no  | --  | no  | VOA calibration, quantitation, reporting limits<br>BNA blank, calibration<br>TAL blank, Ser.D, f.dup                          |
| GWMW3                 | 11/14/02      | 2000         | PZ-02      | water  | no         | no  | --  | no  | VOA calibration, reporting limits<br>BNA blank, calibration<br>TAL blank, Ser.D, f.dup                                        |
| GWMW3                 | 11/15/02      | 2000         | MW-23S     | water  | no         | no  | --  | no  | VOA calibration, f.dup, quantitation, reporting limits<br>BNA blank, calibration, quantitation<br>TAL blank, MS, f.dup, Ser.D |
| GWMW3                 | 11/15/02      | 2000         | PZ-01S     | water  | no         | no  | --  | no  | VOA calibration, reporting limits<br>BNA blank, calibration, quantitation<br>TAL blank, MS, f.dup, Ser.D                      |
| GWMW3                 | 11/15/02      | 2000         | PZ-01D     | water  | no         | no  | --  | no  | VOA calibration, reporting limits<br>BNA blank, calibration<br>TAL blank, MS, f.dup, Ser.D                                    |
| GWMW3                 | --            | 2000         | Trip Blank | water  | no         | --  | --  | --  | VOA calibration, reporting limits                                                                                             |
| GWMW3                 | --            | 2000         | Trip Blank | water  | no         | --  | --  | --  | VOA calibration, reporting limits                                                                                             |
| GWMW3                 | --            | 2000         | Trip Blank | water  | no         | --  | --  | --  | VOA calibration, reporting limits                                                                                             |
| GWMW3                 | --            | 2000         | Trip Blank | water  | no         | --  | --  | --  | VOA calibration, reporting limits                                                                                             |
| GWMW3                 | --            | 2000         | Trip Blank | water  | no         | --  | --  | --  | VOA calibration, reporting limits                                                                                             |

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
- 2 The deviation resulted in no qualification of data.
- 3 Although the deviation resulted in the qualification of data, the laboratory was method compliant.

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