DATA USABILITY SUMMARY REPORT ENVIROTEK TONAWANDA, NEW YORK

SDG# A05-B649

VOLATILE ANALYSES

Analyses performed by:

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Review performed by:



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Summary

The following is an assessment of the data package for sample delivery group (SDG)# A05-B649 for sampling from the Envirotek Site. 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	Analysis					
			Date	VOA	svoc	РСВ	MET	MISC	
ENV-1	A5B64906	Water	10/17/2005	X				1 111100	
ENV-3R	A5B64907	Water	10/17/2005	Х					
ENV-4	A5B64904	Water	10/17/2005	X				1	
ENV-7	A5B64905	Water	10/17/2005	X				†	
ENV-8	A5B64903	Water	10/17/2005	X					
ENV-9	A5B64901	Water	10/17/2005	T_x	<u> </u>				
FB101705	A5B64910	Water	10/17/2005	X					
FD101705 ¹	A5B64909	Water	10/17/2005	X	 		······································		
GW-3 ²	A5B64902	Water	10/17/2005	×			- /		
Trip Blank	A5B64912	Water	10/17/2005	×					
<u>,</u>									

^{1.} Field duplicate of sample location ENV-9.

MS/MSD analyses performed on sample.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

Introduction

Analyses were performed according to (United Stated Environmental Protection Agency) USEPA SW-846 Method 8260. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

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 USEPA 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 quality control (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 Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
	Water	14 days from collection to analysis	Cooled @ 4 °C; preserved to a pH of less than 2.
SW-846 8260	Soil	48 hours from collection to extraction and 14 days from extraction to analysis	Cooled @ 4 °C.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method, trip, 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. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Acetone was detected in the trip blank. Sample results were non-detect for acetone; therefore, no data were qualified based on the blank content.

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 daily performance is satisfactory.

3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibited a %RSD less than the control limit (30%) and RRF value greater than control limit (0.05).

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibited percent difference (%D) less then the control limit (25%) and RRF value greater than control limit (0.05).

All calibration criteria were within the control limits.

4. 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. VOC analysis requires that all surrogates associated with the analysis exhibited recoveries within the laboratory established acceptance limits.

All surrogate recoveries were within control limits.

5. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC to exhibit an area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard areas and retention times were within established limits.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit a RPD within the laboratory established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations were the compound's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited acceptable recoveries.

7. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LSC analysis must exhibit a percent recovery within the laboratory established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compound		Duplicate Result	RPD
ENV-9 / FD101705	cis-1,2-dichloroethene	1 J	1 J	AC

ND = Not detected.

The field duplicate RPD is acceptable when the RPD between parent sample and field duplicate sample is less than one times the RL and where the parent sample and/or duplicate concentration is less than five times the RL.

The field duplicate RPD exhibited acceptable results.

9. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria

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 specified in the method.

Data Validation Checklist	

Volatile Organics Data Validation Checklist

	YES	NO	NA
Data Completeness and Deliverables			
Have any missing deliverables been received and added to the data package?		X	
Is there a narrative or cover letter present?	X		
Are the sample numbers included in the narrative?		X	
Are the sample chain-of-custodies present?	X		
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?		Х	
Holding Times			
Have any holding times been exceeded?		X	
Surrogate Recovery			
Are surrogate recovery forms present?	X		
Are all samples listed on the surrogate recovery form?	X		
Was one or more surrogate recovery outside control limits for any sample or blank?		X	
If yes, were the samples reanalyzed?			X
Are there any transcription/calculation errors between the raw data and the summary form?		X	
Matrix Spikes			
Is there a MS recovery form present?	x		
Were matrix spikes analyzed at the required frequency?	X		
How many spike recoveries were outside of QC limits?			
<u>0</u> out of <u>10</u>			
How many RPDs for MS/MSD were outside of QC limits?			
0 out of _5_			
Blanks			
Is a method blank summary form present?	X		
Has a method blank been analyzed for each day or for each 20 samples, whichever is more frequent?	X		
Has a blank been analyzed at least once every 12 hours for each system used?	X	****	
Do any method/instrument blanks have positive results?		X	
Are trip/field/rinse blanks associated with every sample?	X		
Do any trip/field/rinse blanks have positive results?	X		
Tuning and Mass Calibration		•	
Are the GC/MS tuning forms present for BFB?	X		
Are the bar graph spectrum and mass/charge listing provided for	***************************************	***************************************	

	YES	NO	NA
each BFB?	X	***************************************	
Has a BFB been analyzed for each 12 hours of analysis per instrument?	X		***************************************
Have the ion abundance criteria been met for each instrument used?	X	***************************************	
Target Analytes			
Is an organics analysis data sheet present for each of the following:			
Samples	X	***************************************	
Matrix spikes	X		
Blanks	X	***************************************	
Are the reconstructed ion chromatograms present for each of the following:			
Samples	X		
Matrix spikes	X		
Blanks	X	***************************************	
Is the chromatographic performance acceptable?	X		
Are the mass spectra of the identified compounds present?	<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?	X	***************************************	******
Do the samples and standard relative ion intensities agree within 20%?	X	4	-
Tentatively Identified Compounds			
Are all the TIC summary forms present?	X		
Are the mass spectra for the tentatively identified compounds and their associated "best match" spectra present?	X		
Are any target compounds listed as TICs?		X	
Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	X	***************************************	
Do the TIC and "best match" spectrum agree within 20%?	<u> </u>		
Quantitation and Detection Limits			
Are there any transcription/calculation errors in the Form 1 results?		X	
Are the reporting limits adjusted to reflect sample dilutions and, for soils, sample moisture?	***************************************	North Marie Control of the Control o	X
Standard Data			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	X		
Initial Calibration			
Are the initial calibration forms present for each instrument used?	X		
Are the response factor RSDs within acceptable limits?	X	·····	*****
Are the average RRFs ≥ minimum requirements?	X	-	***************************************
Are there any transcription/calculation errors in reporting the RRFs or RSDs?	****	X	

	YES	NO	NA
Continuing Calibration			
Are the continuing calibration forms present for each day and each instrument?	X		***************************************
Has a continuing calibration standard been analyzed for each 12 hours of analysis per instrument?	X		
All %D within acceptable limits?	X	***************************************	
Are all RF ≥ minimum requirements?	X		
Are there any transcription/calculation errors in reporting of RF or %D?		X	***************************************
Internal Standards			
Are internal standard areas of every sample within the upper and lower limits for each continuing calibration?	X	**************************************	
Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		******************
Field Duplicates			
Were field duplicates submitted with the samples?	X		

Volatile Qualifier Summary Holding Time, Surrogates, Internal Standards

			Surrogates*			Internal Standards*		
Sample ID	Holding Time*	TOL	BFB	DCE	FBZ	CBZ	DCB	
ENV-1								
ENV-3R								
ENV-4								
ENV-7								
ENV-8								
ENV-9	**************************************							
FB101705					†			
FD101705								
GW-3								
Trip Blank								
**************************************			· · · · · · · · · · · · · · · · · · ·					
***************************************							1	
	······································						 	
			*/					
							<u> </u>	

Surrogates: TOL Toluene-d8

BFB Bromofluorobenzene

DCE 1,2-Dichloroethane-d4

Internal Standards:

FBZ Fluorobenzene

DCB 1,4-Dichlorobenzne-d4

CBZ Chlorobenzene-d5

Qualifiers:

Diluted D

Recovery high Ţ

į Recovery low

Recovery <10% A TOTAL

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

Corrected Sample Analysis Data Sheets

Tah Namo: STT. E	Ruffalo Contract:		ENV-1	
	MITATO CONCRACE:			
Lab Code: <u>RECNY</u>	Case No.: SAS No.:	SDG No.:		
Matrix: (soil/w	ater) <u>WATER</u>	Lab Sample ID:	A5B64906	
Sample wt/vol:		Lab File ID:	Q8385.RR	200°04'04'04'04'04'04'04'04'04'04'04'04'04'0
Level: (low/m	red) <u>IOW</u>	Date Samp/Recv:	10/17/200	5 10/17/2005
% Moisture: not	dec Heated Purge: N	Date Analyzed:	10/24/200	<u>5</u>
3C Column: <u>DB-6</u>	124 ID: 0.25 (mm)	Dilution Factor	1.00	
Soil Extract Vo	olume: (uL)	Soil Aliquot Vo	olume:	(பட)
CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q
74-87-	3Chloromethane		10	J
74-83-	9Bromomethane		10	J
75-01-	4Vinyl chloride		10 (J
75-00-	3Chloroethane		10 [
75-09-	2Methylene chloride		10 [J
[67-64-]	lAcetone		10 [7	J
75-15-0	0Carbon Disulfide		10 [[J
75-35-4	41,1-Dichloroethene		10 τ	J
75-34-3	31,1-Dichloroethane		10 [J
167-66-	1('h!0r0f0rm	· ·	10 t	J
107-06-	-21,2-Dichloroethane		10 [J
1/0~73~.	3X-MIII ATCODE		10 [J
71-55-6	61,1,1-Trichloroethane		10 T	J
130-23-3	bCarbon lerrachloride	1	10 [J
1/5-2/-4	4Bromodichloromethane		10 1	J
1/8-8/-3	o1,2-Dichloropropane		10 T	J .
10061-0	01-5cis-1,3-Dichloropropene		10 (t	J (
19-01-6	bIrichloroethene		10 [J
	-1Dibromochloromethane		10 [J
79-00-5	51,1,2-Trichloroethane		10 U	J
	2Benzene	The state of the s	10 [U	J
10061-0	02-6trans-1,3-Dichloropropene		10 U	Т
	2Bromoform		10 U	ī
108-10-	-14-Methyl-2-pentanone		10 U	r
	-62-Hexanone		10 U	r
	-4Tetrachloroethene		10 U	r
	-3Toluene		10 D	r
79-34-5	51,1,2,2-Tetrachloroethane		10 U	
108-90-	-7Chlorobenzene		10 U	
100-41-	4Ethylbenzene		10 U	
100-42-	5Styrene		10 U	•
1330-20)-7Total Xylenes		10 U	
75-71-8	Dichlorodifluoromethane	-	10 U	· · · · · · · · · · · · · · · · · · ·
75-69-4	Trichlorofluoromethane		10 U	

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			p***************		
Lab Name: SIL Buffalo	Contract:		ENV-	1	
Lab Code: <u>RECNY</u> Case N	o.: SAS No.:	SDG No.:	dela della del		
Matrix: (soil/water) WATE	3	Lab Sample	ID: <u>A5B649</u>	906	
Sample wt/vol: 5.0	00 (g/mL) <u>ML</u>	Lab File I	D: <u>Q8385</u>	.RR	·······
Level: (low/med) <u>LOW</u>		Date Samp/	Recv: <u>10/17</u>	/2005 <u>10</u>	/17/2005
% Moisture: not dec.	_ Heated Purge: N	Date Analy:	zed: <u>10/24</u> /	<u>/2005</u>	
GC Column: <u>DB-624</u> ID:	: <u>0.25</u> (mm)	Dilution Fa	actor:1	.00	
Soil Extract Volume:	_ (uL)	Soil Alique	ot Volume: _		(uL)
CAS NO. COM	TFOUND	CONCENTRATION (ug/L or ug/Ko		· Q	
156-60-5tra 1634-04-4Met 156-59-2cis 110-82-7Met 108-87-2Met 106-93-41,2 98-82-8Iso 541-73-11,3 106-46-71,4 95-50-11,2	hylcyclohexane -Dibromoethane propylbenzene -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene -Dibromo-3-chloropropane ,4-Trichlorobenzene		10 10 10 10 10 10 10 10 10 10 10	מממממממממממ	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	: STL Buffalo	Contract:		E	INV-1	· · · · · · · · · · · · · · · · · · ·	
		o.: SAS No.:	SDG No.: _				
	(soil/water) WATER	•	Lab Sampl	e ID:	<u>A5B64906</u>		
Sample w	t/vol:	0 (g/mL) <u>ML</u>	Lab File	D:	<u>Q8385.RR</u>		
Level:	(low/med) <u>LOW</u>		Date Samp	/Recv:	10/17/20	05 10/1	7/2005
% Moistu	re: not dec.	-	Date Analy	yzed:	10/24/200	<u>)5</u>	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution 1	Factor: .	1.00		
Soil Ext	ract Volume:	(uL)	Soil Aliq	ot Volu	me:	(u	L)
Number T	ICs found:0		CONCENTRATIO				
	CAS NO.	Compound Name	RT	Est. C	onc.	Q	

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Lab Name: STL Buffalo Contract:	ENV-3R
Lab Code: RECNY Case No.: SAS No.	: SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5B64907
Sample wt/vol:	Lab File ID: Q8384.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/17/2005 10/17/2005
% Moisture: not dec Heated Purge: N	Date Analyzed: 10/24/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
	CONCENTRATION UNITS:
CAS NO. COMPOUND	(ug/L or ug/Kg) <u>UG/L</u> Q
74-87-3Chloromethane	10 U
74-83-9Bromomethane	10
75-01-4Vinyl chloride	73
75-00-3Chloroethane	10 U
75-09-2Methylene chloride	
67-64-1Acetone	10 U
75-15-0Carbon Disulfide	10 U
75-35-41,1-Dichloroethene	10 U
/5-34-31, 1-D1Cn1oroethane	24
10/-00-3(110)(1)(1)(1)	1 77 1
107-06-21,2-Dichloroethane	10 U
1/0-33-3/-RIFAHONA	1 70 111 1
71-55-61,1,1-Trichloroethane	2 J
150-23-5Carpon Tetrachtoride	10 U
75-27-4Bromodichloromethane	10 U
78-87-51,2-Dichloropropane	10 U
10061-01-5cis-1,3-Dichloropropene	10 U
79-01-6Trichloroethene	9 J
124-48-1Dibromochloromethane	10 U
79-00-51,1,2-Trichloroethane	10 U
71-43-2Benzene	10 U
10061-02-6trans-1,3-Dichloroproper 75-25-2Bromoform	
108-10-14 Moth 3 2	10 U
108-10-14-Methyl-2-pentanone 591-78-62-Hexanone	10 U
127-18-4Tetrachloroethene	10 U
108-88-3Toluene	2 J
79-34-51,1,2,2-Tetrachloroethar	10 U
108-90-7Chlorobenzene	
100-41-4Ethylbenzene	10 U
100-42-5Styrene	
1330-20-7Total Xylenes	10 U
75-71-8Dichlorodifluoromethane	
75-69-4Trichlorofluoromethane	10 UU
12 02 4 TITEMITOTOTION OF THE TOTAL OF THE T	10 U

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Lab Name: STL Buffal	O Contract:		ENV-3R
	ase No.:SAS No.:		
Matrix: (soil/water)		Lab Sample ID:	
Sample wt/vol:		Lab File ID:	Q8384.RR
Level: (low/med)	LOW	Date Samp/Recv:	10/17/2005 10/17/2005
% Moisture: not dec.	Heated Purge: N	Date Analyzed:	10/24/2005
GC Column: DB-624	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(uL)	Soil Aliquot Vol	ume: (uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS:	UG/L Q
156-60-5 1634-04-4 156-59-2 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8 120-82-1	1,1,2-Trichloro-1,2,2-triflutrans-1,2-DichloroetheneMethyl-t-Butyl Ether (MIBE)cis-1,2-DichloroetheneCyclohexaneMethylcyclohexane1,2-DibromoethaneIsopropylbenzene1,3-Dichlorobenzene1,4-Dichlorobenzene1,2-Dibromo-3-chloropropane1,2,4-TrichlorobenzeneMethyl acetate		39

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	e: STL Buffalo	Contract:			ENV-3R			
Lab Code	: <u>RECNY</u> Case No	>.: SAS No.:	SDG No.:					
	(soil/water) WATER		Lab Samp		A5B649	07		
Sample w	t/vol: <u>5.0</u>	00 (g/mL) <u>ML</u>	Lab File	ID:	<u>Q8384.</u>	RR	***************************************	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv:	10/17/	2005	10/17/200	5
% Moistu	re: not dec.	-	Date Ana	lyzed:	10/24/	2005		
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.0	<u>00</u>		
Soil Ext	ract Volume:	(uL)	Soil Alia	quot Vol	ume:		_ (uL)	
Number T	ICs found: 1		CONCEMIRATION (ug/L or t					
	CAS NO.	Compound Name	RT	Est. (Conc.	Q ,		
	1.	UNKNOWN	1 55		7	т		

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Lab Name: <u>STL Buf</u>	falo Contract:		ENV-	-4	
	Case No.: SAS No.: _				
		SLG NO.:			
Matrix: (soil/wat	er) <u>WATER</u>	Lab Sample	≥ ID: <u>A5B64</u>	904	
Sample wt/vol:	_ <u>5.00</u> (g/mL) <u>ML</u>	Lab File 1	D: <u>Q8416</u>	.RR	
Level: (low/med)) <u>LOW</u>	Date Samp/	'Recv: <u>10/17</u>	<u>/2005 10/17</u>	/2005
% Moisture: not de	ec Heated Purge: N	Date Analy	zed: <u>10/26</u>	/2005	
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution F	Pactor:1	.00	
Soil Extract Volum	me: (uL)	Soil Aliqu	ot Volume: _	(uL)	i
CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K		Q	
74-87-3	Chloromethane		10	U	
74-83-9	Bromomethane		10	U	
75-U1-4	Vinyl chloride		10	U	
75-00-3	Chloroethane		10	U	
67-64-1	Methylene chloride		10	1 1	
0,-04-1	·ACELOIRE		10	U	
75-15-0	Carbon Disulfide		10	[ט	
/5-35-4	1,1-Dichloroethene		10	ע	
/5-34-3	1,1-Dichloroethane		10	U	
10/-00-2-+	Cillomrom		10	U	
107-06-2-	1,2-Dichloroethane		10	U	
1/0-23-3	z-kuranone	1	10	U	*
71-55-6	1,1,1-Trichloroethane		10	U	
100-23-3	Larini letrachiomida		10	ט	
12-21-4:	broubordiloromethane		10	lσ	
1/0-0/-5	1,2-Dichioropropane		10	U	
10061-01-	5cis-1,3-Dichloropropene	· · · · · · · · · · · · · · · · · · ·	10	Ū	
79-01-6	Trichloroethene		1	J	
124-48-1-	Dibromochloromethane	***************************************	10	lσ l	
79-00-5	1,1,2-Trichloroethane		10	lσ	
71-43-2	Benzene		10	l ŭ l	
10061-02-0	6trans-1,3-Dichloropropene		10	Ü	
75-25-2	Bromoform		10	บ	
108-10-1	4-Methyl- 2-pentanone		10	υ	
591-78-6	2-Hexanone		10	Ü	
127-18-4	Tetrachloroethene		10	la la	
108-88-3	Toluene		10	U	
	1,1,2,2-Tetrachloroethane		10	Ü	
108-90-7	Chlorobenzene		10	U	
100-41-4	Ethylbenzene			1	
100-42-5	Styrene		10	Ū	
1330-20-7-	Total Xylenes		10	Ü	
75-71-8	Dichlorodifluoromethane		10	Ū	
75-69-4	Trichlorofluoromethane		10	J.	
1			10	U	

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Lab Name: STL Buffalo Contr	act:		ENV-	4	
Lab Code: <u>RECNY</u> Case No.: SA					
Matrix: (soil/water) WATER		4	ID: <u>A5B64</u>	904	
Sample wt/vol: 5.00 (g/mL) ML			D: <u>0</u> 8416		
Level: (low/med) <u>LOW</u>			Recv: <u>10/17</u>		- 0/17/2005
% Moisture: not dec Heated Purg	e: <u>N</u>	,	zed: <u>10/26</u>		
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	·		actor:1		
Soil Extract Volume: (uL)		Soil Alique	ot Volume: _		(uL)
CAS NO. COMPOUND		CONCENIRATION ((ug/L or ug/Ko		Q	
76-13-11,1,2-Trichloro-1, 156-60-5trans-1,2-Dichloro 1634-04-4Methyl-t-Butyl Eth 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chlor 120-82-11,2,4-Trichlorobenzene 79-20-9Methyl acetate	ethene er (MIBE) hene e e e		10 2 10 6 10 10 10 10 10 10 10	ממממממממממממ	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	: STL Buffalo	Contract:			ENV-4			
Lab Code	: <u>RECNY</u> Case No	D.: SAS No.:	SDG No.:					
Matrix:	(soil/water) WATER	3	Lab Samp	le ID:	<u> A5B649</u>	04		
Sample w	t/vol:5.0	00 (g/mL) <u>ML</u>	Lab File	ID:	Q8416.	RR		
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv:	10/17/	<u>2005</u> <u>1</u>	L0/17/200	5
% Moistu	re: not dec.	mra.	Date Ana	lyzed:	10/26/	2005		
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.	<u>00</u>		
Soil Ext	ract Volume:	(uL)	Soil Aliquot Volume: (uL)					
Number T	ICs found: <u>1</u>		CONCENTRATION (ug/L or t			••••		
	CAS NO.	Compound Name	RT	Est.	Conc.	Q]	
·	1. 74-93-1	METHANETHIOL	2.16		5	JN		

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		I	
Lab Name: STL Buffalo Contract:		ENV-7	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	•	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B64905	
Sample wt/vol: $5.00 \text{ (g/mL)} \underline{\text{ML}}$	Lab File ID:	Q8386.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/17/2005 10	/17/2005
Moisture: not dec Heated Purge: N	Date Analyzed:	10/24/2005	
3C Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume:	(uL)
	NCENTRATION UNITS: ug/L or ug/Kg) !	irc/r o	
	Man or mand	UG/L Q	_
74-87-3Chloromethane	·	ט ט	
74-83-9Bromomethane		10 U	
75-01-4Vinyl chloride		200	
75-00-3Chloroethane		10 ປັ	
75-09-2Methylene chloride		10 ប	
10/-04-1ACETONE		10 U	
75-15-0Carbon Disulfide		10 U	***************************************
75-35-41, 1-Dichlomethene		10 U	
75-34-31,1-Dichloroethane		3 J	
10/-00-3(:n:\cmtcm	i	10 U	•
107-06-21,2-Dichloroethane	***************************************	10 U	
78-93-32-Butanone		10 U	
71-55-61,1,1-Trichloroethane		10 U	-
56-23-5Carbon Tetrachloride	············	3	
75-27-4Bromodichloromethane			
78-87-51,2-Dichloropropane	*************************************	10 U	
10061-01-5cis-1,3-Dichloropropene		10 U	ļ
79-01-6Trichloroethene		10 U	***************************************
124-48-1Dibromochloromethane		10 U	-
79-00-51,1,2-Trichloroethane	······································	10 U	
71-43-2Benzene		10 U	
10061-02-6trans-1,3-Dichloropropene		10 U	
75-25-2Bromoform		10 U	
		10 U	
108-10-14-Methyl-2-pentanone 591-78-62-Hexanone		10 U	
		10 U	
127-18-4Tetrachloroethene 108-88-3Toluene	····	1 J	
70_24_5 1 1 0 0 m-t		10 U	
79-34-51,1,2,2-Tetrachloroethane 108-90-7Chlorobenzene	·	10 ប្រ	
100-41 A Physical Properties		10 U	
100-41-4Ethylbenzene		10 U	
100-42-5Styrene		10 ប្រ	
1330-20-7Total Xylenes		10 U	
75-71-8Dichlorodifluoromethane		10 U	
75-69-4Trichlorofluoromethane		10 U	

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

<u>2005</u>

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	: STL Buffalo	Contract:		ENV-7	······································	
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:	· · · · · · · · · · · · · · · · · · ·		
Matrix:	(soil/water) WATER		Lab Samp	le ID: <u>A5B6</u>	4905	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File	ID: <u>Q838</u>	6.RR	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/1</u>	7/2005	10/17/2005
% Moistu	re: not dec.	•••	Date Ana	lyzed: <u>10/2</u>	4/2005	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.00	
Soil Ext	ract Volume:	(uL)	Soil Alic	quot Volume:		_ (uL)
Number T	ICs found: _0		CONCENTRATION (ug/L or t	ION UNITS: .g/Kg) <u>UG/</u>	<u>L. </u>	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	
						

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			<u></u>	
Lab Name: <u>STL Buf</u> falo	Contract:		ENV-8	
Lab Code: <u>RECNY</u> Ca	ase No.: SAS No.:	SDG No.:	•	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5B64903	3
Sample wt/vol:		Lab File ID:	<u>Q8388.RF</u>	8
Level: (low/med)	LOW	Date Samp/Recv:	10/17/20	005 10/17/2005
% Moisture: not dec.	Heated Purge: N	Date Analyzed:	10/24/20	005
3C Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00)
Soil Extract Volume:	(uL)	Soil Aliquot Vol	ume:	(uL)
CAS NO.	COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg)		Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane	***************************************	10	U
/5-01-4	Vinyl chloride		9	J
175-00-3	Chloroethane		10	U
1/5-09-2	Methylene chloride		10	Ω
[67-64-1	Acetone		10	U
1/3-15-0	Carbon Disulfide		10	U
1/5-35-4	1,1-Dichloroethene		10	U
1/3-34-3	1,1-Dichloroethane		4	J
10/-00-1	[n omform		10	U
170_00 2	1,2-Dichloroethane		10	U
1/0-23-3	z-bulanone	i i		U
1/1-33-6	1,1,1-Trichloroethane		10	U
30-23-3	Carbon Tetrachioride		10	U
78-87-5-	Bromodichloromethane 1,2-Dichloropropane	***	10	U
10061-01-6	cia-1 3-Diahlamana		10	ū
79-01-6	cis-1,3-Dichloropropene Trichloroethene			U
124-48-1	Irichioroethene Dibromochloromethane		10	 TT
	1,1,2-Trichloroethane			U
71-43-2	-,-,- interrorcedible		- 1	U
10061-02-6	trans-1,3-Dichloropropene	***************************************	i	ט ע
75-25-2	Brompform	***************************************		n l
108-10-1	-4-Methyl-2-pentanone		1	U
591-78-6	-2-Hexanone			T
127-18-4	Tetrachloroethene			J
108-88-3	-Toluene			U
79-34-5	-1,1,2,2-Tetrachloroethane	***************************************		U U
108-90-7	Chlorobenzene		1	ט
100-41-4	-Ethylbenzene	***************************************	1	T
100-42-5	-Styrene		- 1	U
1330-20-7	-Total Xylenes		1	บ
75-71-8	-Dichlorodifluoromethane			บ
75-69-4	-Trichlorofluoromethane		,	บ
1				

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Lab Name: STL Buffalo Contract:		ENV-8	
Lab Code: RECNY Case No.: SAS No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B64903	
Sample wt/vol:5.00 (g/mL) ML	Lab File ID:	Q8388.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/17/2005	10/17/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/24/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volu	me:	_ (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>[</u>	G/L (Q
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		10 U U J J J J J J J J J J J J J J J J J	

EPA ASP 2000 - METHOD 8260 VOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

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Lab Name	e: SIL Buffalo	Contract:	<u></u>	E	NV-8	
Lab Code	: <u>RECNY</u> Case No	SAS No.:	SIG No.:			
Matrix:	(soil/water) WATER		Lab Samp	le ID:	A5B64903	
Sample w	t/vol:5.0	0 (g/mL) <u>ML</u>	Lab File	ID:	Q8388.RR	The state of the s
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: j	10/17/200	5 10/17/2005
% Moistu	re: not dec.		Date Ana	lyzed:	10/24/200	5
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.00	
Soil Ext	ract Volume:	(uL)	Soil Alie	quot Volur	me:	(uL)
Number T	ICs found: 0		CONCENTRATION (ug/L or 1			
	CAS NO.	Compound Name	RT	Est. Co	onc. (2

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			[***************************************
Lab Name: <u>STL Buff</u>	alo Contract:		ENV-9	
*				
ran code: Khrivi	Case No.: SAS No.:	SDG No.:	Num.	
Matrix: (soil/wate	r) <u>WATER</u>	Lab Sample ID:	A5B64901	
Sample wt/vol:	$\underline{5.00}$ (g/mL) ML	Lab File ID:	Q8415.RR	***************************************
Level: (low/med)	LOW	Date Samp/Recv:	10/17/2005	10/17/2005
Moisture: not dec	c Heated Purge: N	Date Analyzed:	10/26/2005	
3C Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor	: 1.00	
Soil Extract Volume	e: (uL)	Soil Aliquot Vol	lume:	_ (uL)
		CONCENIRATION UNITS:	•	
CAS NO.	COMPOUND	(ug/L or ug/Kg)		Q
74-87-3	Chloromethane		10 U	
74-83-9	Bromomethane		7.0	
75-01-4	Vinyl chloride		10 U	
			;	
75-09-2	Methylene chloride		10 U	
67 64 1	Methylene chloride		10 U	
10,011			10 U	
1/5-15-0	Carbon Disulfide		10 U	
75-35-4	1,1-Dichloroethene		10 U	
* * * * * * * * * * * * * * * * * * *	1,1TD1G11G1G		10 U	
			i i	
107-06-2	1,2-Dichloroethane		10 U	1
78-93-3	2-Butanone		10 U	***
1/0 23 3	= = = Z, = [5]		10 U	1
\\\ \(\tau \)	1,1,1-Trichloroethane		10 U	
100-20-0	Callelelrachioride	1	10 U	
1/3-2/-4	Bromodichioromethane		10 U	
110-01-5-	~~~~L.Z-UICGIODDDDDDDDDD	1	10 U	
10061-01-5	cis-1,3-Dichloropropene		10 U	
79-01-6	Trichloroethene		!	1
124-48-1	Dibromochloromethane		10 U	
79-00-5	1 1 0 mai di a di		10 U	1
73-00-3	1,1,2-Trichloroethane		10 U	
	Benzene		10 U	
10061-02-6-	trans-1,3-Dichloropropene		10 U	
	Bromoform		10 U	
108-10-1	4-Methyl-2-pentanone		10 U	
591-78-6	2-Hexanone		1	
127-18-4	Tetrachloroethene		10 U	***************************************
108-88-3	Toluene	· · · · · · · · · · · · · · · · · · ·	10 U	
			10 U	***************************************
100 00 7	1,1,2,2-Tetrachloroethane		10 U	
100-30-/	Chlorobenzene		10 U	
TOO-4T-4	Ethylbenzene		ט ט	1
100-42-5	Styrene_		10 U	
1330-20-7	Total Xylenes		10 U	
75-71-8	Dichlorodifluoromethane	***************************************	10 0	
75-69-4	Trichlorofluoromethane			***************************************
			10 U	

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Lab Name: STL Buffalo Contract:		ENV-9		
Lab Code: RECNY Case No.: SAS No.:				
Matrix: (soil/water) WATER	Lab Sample ID:		<u>L</u>	
Sample wt/vol: $5.00 \text{ (g/mL)} \text{ ML}$	Lab File ID:	<u>08415.RF</u>	2	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/17/20	005 <u>10/</u>	17/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/26/20	005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor	:1.00)	
Soil Extract Volume: (uL)	Soil Aliquot Vol	iume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene 79-20-9		10 10 10 1 10 10 10 10 10 10 10 10 10	ממממממממממממ	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	:: SIL Buffalo	Contract:		ENV-9	
Lab Code	: <u>RECNY</u> Case No	o.: SAS No.:	SDG No.:		
Matrix:	(soil/water) WATER	· }	Lab Sample ID:	<u>A5B64901</u>	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File ID:	Q8415.RR	
Level:	(low/med) <u>LOW</u>		Date Samp/Recv:	10/17/2005 10/17/200	<u>)5</u>
% Moistu	re: not dec.	none.	Date Analyzed:	10/26/2005	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution Factor:	: 1.00	
Soil Ext	ract Volume:	(uL)	Soil Aliquot Vol	lume:(uL)	
Number T	ICs found:0		CONCENTRATION UNIT (ug/L or ug/kg)		
	CAS NO.	Compound Name	RT Est.	Conc. Q	

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ub Name: STL Buffalo Contract:		FB101705	
b Code: RECNY Case No.: SAS No.:	: SDG No.:	····	
trix: (soil/water) WATER	Lab Sample ID:	A5B64910	
mple wt/vol: 5.00 (g/mL) ML	Lab File ID:	Q8381.RR	
vel: (low/med) <u>LOW</u>	Date Samp/Recv:	10/17/2005	10/17/2005
Moisture: not dec Heated Purge: N	Date Analyzed:	10/24/2005	•
Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
il Extract Volume: (uL)	Soil Aliquot Vol	une:	_ (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		2
74-87-3Chloromethane 74-83-9Bromomethane		10 U	
75-01-4Vinyl chloride 75-00-3Chloroethane		10 U	
75-09-2Methylene chloride 67-64-1Acetone 75-15-0Carbon Disulfide		10 U	~ ··· `
75-35-41 1-Dichlomethene		10 U	
75-34-31,1-Dichloroethane 67-66-3Chloroform	Ţ.	10 U	
107-06-21,2-Dichloroethane 78-93-32-Butanone 71-55-61,1,1-Trichloroethane		10 U	
56-23-5Carbon Tetrachloride		10 U	
75-27-4Bromodichloromethane 78-87-51,2-Dichloropropane		10 U	
10061-01-5cis-1,3-Dichloropropene 79-01-6Trichloroethene		10 U	THE PARTY OF THE P
124-48-1Dibromochloromethane 79-00-51,1,2-Trichloroethane		10 U	77.70
71-43-2Benzene 10061-02-6trans-1,3-Dichloropropen	e	10 U U	
75-25-2Bromoform 108-10-14-Methyl-2-pentanone		10 U	
591-78-62-Hexanone 127-18-4Tetrachloroethene		10 U	
108-88-3Toluene		10 U U	
108-90-7Chlorobenzene 100-41-4Ethylbenzene		10 U	U
100-42-5Styrene 1330-20-7Total Xylenes		10 U U	***************************************
75-71-8Dichlorodifluoromethane 75-69-4Trichlorofluoromethane		10 10 10 U	Wit - Commonwealth
The second secon		70	

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Lab Name: STL Buffalo Contract	FB101705
Lab Code: <u>RECNY</u> Case No.: SAS No	
Matrix: (soil/water) WATER	Lab Sample ID: A5B64910
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: <u>08381.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/17/2005 10/17/2005
% Moisture: not dec Heated Purge: N	Date Analyzed: 10/24/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
106-67-2	ene 10 U U U U U U U U U U U U U U U U U U

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	: STL Buffalo	Contract:	NOVERMAN AND AND AND AND AND AND AND AND AND A	FB1017	05	
Lab Code	: <u>RECONY</u> Case No	o.: SAS No.:	SDG No.:			
Matrix:	(soil/water) WATER	3	Lab Samp	le ID: <u>A5B64</u>	910	-
Sample w	t/vol: <u>5.0</u>	00 (g/mL) <u>ML</u>	Lab File	ID: <u>Q8381</u>	.RR	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/17</u>	/2005]	10/17/2005
% Moistu	re: not dec.	_	Date Ana	lyzed: <u>10/24</u> ,	<u>/2005</u>	
GC Colum	n: <u>DB-624</u> II	0: <u>0.25</u> (mm)	Dilution	Factor: 1	.00	
Soil Ext	ract Volume:	(uL)	Soil Alic	quot Volume: _		_ (uL)
Number T	ICs found: 1		CONCENTRATI (ug/L or t	ION UNITS: ug/Kg) <u>UG/L</u>		
	CAS NO.	Compound Name	RI	Est. Conc.	Q]
	1.	UNKNOWN	1.73	6	J	

Lab Name Cor Differia		FD101	L705	
Lab Name: STL Buffalo Contract:		<u> </u>		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	<u></u>		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID	: <u>A5B649</u>) 09	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	Q8382.	.RR	
Level: (low/mèd) <u>LOW</u>	Date Samp/Recv	v: <u>10/17/</u>	<u>/2005 10/</u>	17/2005
% Moisture: not dec Heated Purge: N	Date Analyzed	: <u>10/24/</u>	<u> /2005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Facto	or:1.	.00	
Soil Extract Volume: (uL)	Soil Aliquot V	/olume: _	(:	uL)
CAS NO. COMPOUND	CONCENTRATION UNIT			
	(-3),			7
74-87-3Chloromethane	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10	U	
74-83-9Bromomethane		10	U	<u>.</u>
1.5 Oz 1 VIII GILOLIG		- 10	Ū	
1/5-00-3Unioroethane		10	U	
75-09-2Methylene chloride			U	
67-64-1Acetone		10	U	
75-15-0Carbon Disulfide		10	U	
75-35-41,1-Dichloroethene		10	Ū	
75-34-31,1-Dichloroethane		10	Ū	
67-66-3Chloroform		10	ū	
107-06-21,2-Dichloroethane 78-93-32-Butanone		10	U	
71 CE C 1 1 1 moi oblasses		10	Ü	
71-55-61,1,1-Trichloroethane		10	U	}
56-23-5Carbon Tetrachloride 75-27-4Bromodichloromethane	· · · · · · · · · · · · · · · · · · ·	10	U	·
78-87-51,2-Dichloropropane	<u> </u>	10	U	
10061-01-5cis-1,3-Dichloropropene		10 10	U	
79-01-6Trichloroethene		10	Ū	
124-48-1Dibromochloromethane		10	n n	
79-00-51,1,2-Trichloroethane		10	Ū	
71-43-2Benzene		10	บ	
10061-02-6trans-1,3-Dichloropropene		10	Ū	
75-25-2Brompform		10	Ū	
108-10-14-Methyl-2-pentanone		10	ט l	
591-78-62-Hexanone		10	U	
127-18-4Tetrachloroethene		10	U	
108-88-3Toluene		10	Ū	
79-34-51,1,2,2-Tetrachloroethane		10	U	
108-90-7Chlorobenzene	**************************************	10	U	
100-41-4Ethylbenzene		10	U	
100-42-5Styrene		10	Ū	
1330-20-7Total Xylenes		10	U	
75-71-8Dichlorodifluoromethane		10	U	
75-69-4Trightomflyomethan	· · · · · · · · · · · · · · · · · · ·	10	177	

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Lab Name: STL Buffalo Contract:		FD10:	1705	
Lab Code: RECNY Case No.: SAS No.:				
Matrix: (soil/water) WATER		= ID: A5B649	909	
Sample wt/vol: 5.00 (g/mL) ML	Lab File :	ID: <u>Q8382</u>	.RR	
Level: (low/med) <u>LOW</u>	Date Samp,	/Recv: <u>10/17</u> /	<u> </u>	/17/2005
% Moisture: not dec Heated Purge: N	Date Analy	/zed: <u>10/24/</u>	<u> 2005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution B	actor: <u>1.</u>	00	
Soil Extract Volume: (uL)	Soil Aliqu	ot Volume: _		(uL)
CAS NO. COMPOUND	CONCENIRATION (ug/L or ug/F	UNITS: (g) <u>UG/L</u>	Q	
108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene		10 10 10 1 10 10 10 10 10 10 10 10	מממממממממממ	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name:	SIL Buffalo	(Contract:	<u>-</u>		FD10170	5	
Lab Code:	<u>RECNY</u> Ca	se No.:	SAS No.:	SDG No.:	·····			
Matrix: (s	soil/water)	WATER		Lab Samp	le ID:	A5B649	09	
Sample wt/	vol:	5.00 (g/mL)	<u>ML</u>	Lab File	D:	<u>08382.</u>	RR	
Level: ((low/med)]	LOW		Date Sam	p/Recv:	10/17/	2005 1	0/17/2005
% Moisture	e: not dec.	MANAGAN Andropology and Androp		Date Ana	lyzed:	10/24/	2005	
GC Column:	<u>DB-624</u>	ID: <u>0.25</u> (m	m)	Dilution	Factor:	1.	<u>00</u>	
Soil Extra	ct Volume: _	(uL)		Soil Ali	quot Vol	ume:		(uL)
Number TIC	s found:(<u>)</u>		CONCENTRATION (ug/L or 1			-	
	CAS NO.		Compound Name	RT	Est. (Conc.	Q	

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•			GW-3	
Lab Name: <u>STL Buffalo</u>	Contract:	No construction of the Committee of the	<u> </u>	······································
Lab Code: <u>RECNY</u> Case	≥ No.: SAS No.:	SDG No.:	-	
Matrix: (soil/water) W	ATER	Lab Sample ID:	A5B64902	
Sample wt/vol:	<u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	08417.RR	
Level: (low/med) LC	<u>W</u>	Date Samp/Recv:	10/17/2005	10/17/2005
% Moisture: not dec	Heated Purge: N	Date Analyzed:	10/26/2005	
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: _	(uL)	Soil Aliquot Vol	ume:	(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q
75-09-2 75-09-2 75-15-0 75-35-4 75-34-3 75-34-3 75-6-3 78-93-3 75-27-4 78-87-5 79-01-6 79-01-6 79-00-5 71-43-2 108-10-1 591-78-6 127-18-4 108-88-3 108-90-7	Bromomethane Vinyl chloride Chloroethane Methylene chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethane Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane 8enzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-pentanone 2-Hexanone Tetrachloroethene Toluene 1,1,2,2-Tetrachloroethane Ethylbenzene Ethylbenzene Etyrene		10 U U U U U U U U U U U U U U U U U U U	

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Lab Name: STL Buffalo Contract:		GW-3		
Lab Code: RECNY Case No.: SAS No.:				
Matrix: (soil/water) WATER	Lab Sample		902	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID			
Level: (low/med) <u>LOW</u>	Date Samp/R			/17/2005
% Moisture: not dec. Heated Purge: N	Date Analyza	ed: <u>10/26/</u>	/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Fac	ctor: <u>1</u> .	.00	
Soil Extract Volume: (uL)	Soil Aliquot	: Volume:		(uL)
	CONCENIRATION UN	JITS:		
CAS NO. COMPOUND	(ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-trifle	uoroethane		Q U	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIRE) 156-59-2cis-1,2-Dichloroethene	uoroethane	10 10 10 10 10	ր ը ը	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methyloyclohexane	uoroethane	10 10 10 10 10 10	ກ ດ ດ ດ	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIRE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene	uoroethane	10 10 10 10 10 10 10 10	0 0 0 0 0	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene	uoroethane	10 10 10 10 10 10 10 10 10	מממממממממ	
76-13-11,1,2-Trichloro-1,2,2-trifle 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIRE) 156-59-2Cyclohexane 110-82-7Methylcyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorohenzene	uoroethane	10 10 10 10 10 10 10 10 10	מ מ מ מ מ מ	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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						GW-3		***************************************
Lab Name	: SIL Buffalo	Con	tract:	_		L		
Lab Code	: <u>RECNY</u> Case No).:	SAS No.:	SDG No.:	 ,			•
Matrix:	(soil/water) WATER	<u> </u>		Lab Samp	le ID:	<u>A5B6490</u>	2	
Sample w	t/vol:5.0	0 (g/mL) <u>ML</u>	į.	Lab File	ID:	<u>08417.R</u>	R	
Level:	(low/med) <u>LOW</u>			Date Sam	p/Recv:	10/17/2	005	10/17/2005
% Moistu	re: not dec.			Date Ana	lyzed:	10/26/2	005	
GC Column	n: <u>DB-624</u> II	: <u>0.25</u> (mm)		Dilution	Factor	1.0	0	
Soil Ext	ract Volume:	(uL)		Soil Ali	quot Vol	Lume:		_ (uL)
Number T	ICs found:0			CONCENIRAT (ug/L or	_	_		
	CAS NO.	Co	mpound Name	RT	Est.	Conc.	Q	
					†			7

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Lab Name: STL Buffalo Contract:		TRIP BLANK
Lab Code: RECNY Case No.: SAS No.:		
State of the Control	Lab Sample ID: 1	A5B64912
Sample wt/vol: $5.00 \text{ (g/mL)} \text{ ML}$	Lab File ID:	08373.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 1	10/17/2005 10/17/2005
Moisture: not dec Heated Purge: N	Date Analyzed: 1	0/24/2005
3C Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: _	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volum	ne: (uL)
	ENIRATION UNITS: 1/L or ug/Kg) <u>UG</u>	g/L Q
74-87-3Chloromethane 74-83-9Bromomethane		0 U
75-00-3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
100-41-4Ethylbenzene 100-42-5Styrene 1330-20-7Total Kylenes 75-71-8Dichlorodifluoromethane 75-69-4Trichlorofluoromethane	10 10 10 10 10 10	บ บ บ

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Lab Name: STL Buffalo Contract:	TRIP BLANK	
Lab Code: RECNY Case No.: SAS No.:		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5B64912	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID: <u>Q8373.RR</u>	
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/17/2005 10/17/20	<u>05</u>
% Moisture: not dec Heated Purge: N	Date Analyzed: 10/24/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q	
76-13-11,1,2-Trichloro-1,2,2-triflux 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7	10 U U U U U U U U U U U U U U U U U U U	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name: STL E	<u>Nuffalo</u>	Con	tract:	····		TRIP BL	ANK		
Lab Code: RECNY	Case No	* *	SAS No.:	SDG No.:					
Matrix: (soil/w	ater) <u>WATER</u>			Lab Samp	le ID:	A5B649	12		
Sample wt/vol:	5.0	0 (g/mL) <u>M</u> L		Lab File	D:	<u>08373.1</u>	RR		
Level: (low/m	ed) <u>LOW</u>			Date Sam	p/Recv:	10/17/2	2005 1	0/17/200	<u>)5</u>
% Moisture: not	dec.	···		Date Ana	lyzed:	10/24/2	2005		
GC Column: DB-6	<u>24</u> ID	:_0.25 (mm)		Dilution	Factor:	1.0	<u>)0</u>		
Soil Extract Vo	lume:	(uL)		Soil Alie	quot Vol	ume:	······································	(uL)	
Number TICs fou	nd: <u>0</u>			CONCENTRATION (ug/L or 1			·•		
	CAS NO.	Ca	mpound Name	RT	Est.	Conc.	Q		

Laboratory Narrative

NON-CONFORMANCE SUMMARY

Job#: <u>A05-B649</u>

STL Project#: NY4A9203 Site Name:

General Comments

The enclosed data may or may not 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, Dissolved Oxygen, Sulfite, and Temperature 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

A05-B649

Sample Cooler(s) were received at the following temperature(s); $2.0\,^{\circ}\text{C}$ Sample GW-3 was listed as GW-7 on the bottles and was logged in according to the chain of custody.

GC/MS Volatile Data

The analyte Acetone was detected in the Field Blank (FB101705) at a level below the project established reporting limit.

All samples were preserved to a pH less than 2.

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 data 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 hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Condace L. Fox Project Manager

Date

NYSDEC Sample Preparation and A	analysis Summary Sheets	

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	METALS	TCLP HERB	WATER QUALITY				
ENV-1	A5B64906	ASP00	· · · · · · · · · · · · · · · · · · ·		-	<u>-</u>				
ENV-3R	A5B64907	ASP00	_	~	_	~	-			
ENV-4	A5B64904	ASP00		-	-	-	-			
ENV-7	A5B64905	ASP00	-	-	-		*			
ENV-8	A5B64903	ASP00		-	-	-	•			
ENV-9	A5B64901	ASP00	-	-	-	-		*		
FD101705	A5B64909	ASP00	-	**	_	-	-	-		
GW-3	A5B64902	ASP00	*	-	-	-	-	-		

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

AB NAME: SEVERN TRENT LABORATORIES, INC.										
SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED					
ENV-1	WATER	10/17/2005	10/17/2005	-	10/24/2005					
ENV-3R	WATER	10/17/2005	10/17/2005	•	10/24/2005					
ENV-4	WATER	10/17/2005	10/17/2005	-	10/26/2005					
ENV-7	WATER	10/17/2005	10/17/2005	•	10/24/2005					
ENV-8	WATER	10/17/2005	10/17/2005		10/24/2005					
ENV-9	WATER	10/17/2005	10/17/2005	•	10/26/2005					
FD101705	WATER	10/17/2005	10/17/2005	-	10/24/2005					
GW-3	WATER	10/17/2005	10/17/2005		10/26/2005					

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
ENV-1	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
ENV-3R	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
ENV-4	WATER	ASP00	*	AS REQUIRED	AS REQUIRED
ENV-7	WATER	ASP00	<u>-</u>	AS REQUIRED	AS REQUIRED
ENV-8	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
ENV-9	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
FD101705	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
GW-3	WATER	ASP00	•	AS REQUIRED	AS REQUIRED

Sample Compliance Report

SAMPLE COMPLIANCE REPORT

Noncompliance										
MISC	**	1	1	700 AV	1	1	1	-		
y. MET	***	1	1	*	ŀ	***	1	1	-	
Compliancy ¹			1	1	1	1	1	1	1	*
SVOC	******	1 :	1	***	ŀ	1	1	1	-	***
χος	Yes									
Matrix	Water									
Sample ID	ENV-1	ENV-3R	ENV-4	ENV-7	ENV-8	ENV-9	FB101705	FD101705	GW-3	Trip Blank
ASP Protocol	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Sampling Date	10/17/2005	10/17/2005	10/17/2005	10/17/2005	10/17/2005	10/17/2005	10/17/2005	10/17/2005	10/17/2005	10/17/2005
Sample Delivery Group	A05-B649									

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.

ANALYTICAL REPORT

Job#: <u>A05-B649</u>

STL Project#: NY4A9203

Site Name:

Task: Envirotech Site

Dennis Capria Blasland, Bouck and Lee, Inc. 6723 Towpath Road Syracuse, NY 13214

STL Buffalo

11/01/2005

Cardace L. Fox Project Manager

STL Buffalo Current Certifications

	Program	Cert # / Lab ID
STATE	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
Arkansas	NELAP SDWA, CWA, RCRA	01169CA
California	SDWA, CWA, RCRA, SOIL	PH-0568
Connecticut	NELAP RCRA	E87672
Florida	NELAP RORA SDWA	956
Georgia		200003
lllinois	NELAP SDWA, CWA, RCRA	374
lowa	SW/CS	E-10187
Kansas	NELAP SDWA, CWA, RCRA	90029
Kentucky	SDWA	30
Kentucky UST	UST	2031
Louisiana	NELAP CWA, RCRA	NY044
Maine	SDWA, CWA	294
Maryland	SDWA	M-NY044
Massachusetts	SDWA, CWA	9937
Michigan	SDWA	036-999-337
Minnesota	CWA, RCRA	233701
New Hampshire	NELAP SDWA, CWA	233701 NY455
New Jersey	SDWA, CWA, RCRA, CLP	
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
	CWA, RCRA	9421
Oklahoma	Env. Lab Reg.	68-281
Pennsylvania	RCRA	91013
South Carolina	FOREIGN SOIL PERMIT	S-41579
USDA	SDWA	278
Virginia	CWA	· C254
Washington	CWA	252
West Virginia	CWA	99831039
Wisconsin	UVA	

Sample Data Summary Package

SAMPLE SUMMARY

			SAMPI	SAMPLED		ED CE
LAB SAMPLE ID	CLIENT SAMPLE ID	<u>MATRIX</u>	<u>DATE</u>	TIME	DATE	TIME
A5B64906	ENV-1	WATER	10/17/2005	15:35	10/17/2005	17:40
A5B64907	ENV-3R	WATER			10/17/2005	
A5B64904	ENV-4	WATER			10/17/2005	
A5B64905	ENV-7	WATER	10/17/2005	15:10	10/17/2005	17:40
A5B64903	ENV-8	WATER			10/17/2005	
A5B64901	ENV-9	WATER	10/17/2005	12:05	10/17/2005	17:40
A5B64910	FB101705	WATER	10/17/2005		10/17/2005	17:40
A5B64909	FD101705	WATER	10/17/2005		10/17/2005	17:40
A5B64902	GW-3	WATER	10/17/2005	12:40	10/17/2005	17:40
A5B64902MS	GW-3	WATER	10/17/2005	12:40	10/17/2005	17:40
A5B64902SD	GW-3	WATER	10/17/2005	12:40	10/17/2005	17:40
A5B64912	TRIP BLANK	WATER	10/17/2005		10/17/2005	17:40

METHODS SUMMARY

Job#: <u>A05-B649</u>

STL Project#: NY4A9203 Site Name:

ANALYTICAL PARAMETER METHOD EPA ASP 2000 - METHOD 8260 VOLATILES ASP00 8260

ASP00

"Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: <u>A05-B649</u>

STL Project#: <u>NY4A9203</u> Site Name:

General Comments

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According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature 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

A05-B649

Sample Cooler(s) were received at the following temperature(s); $2.0\,^{\circ}\text{C}$ Sample GW-3 was listed as GW-7 on the bottles and was logged in according to the chain of custody.

GC/MS Volatile Data

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Candace L. Fox Project Manager

Date

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	TCLP HERB	WATER QUALITY
ENV-1	A5B64906	ASP00	_	-	_	_	-	-
ENV-3R	A5B64907	ASP00	-	_	-	_	-	<u>-</u>
ENV-4	A5B64904	ASP00	-	-	-	-	-	-
ENV-7	A5B64905	ASP00	-	-	-	_	-	_
ENV-8	A5B64903	ASP00	-	-	-	-	-	
ENV-9	A5B64901	ASP00	-	-	_	-	-	-
FD101705	A5B64909	ASP00	-	_	-	-	-	-
GW-3	A5B64902	ASP00	-	_	-	-	_	-

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
ENV-1	WATER	10/17/2005	10/17/2005	-	10/24/2005
ENV-3R	WATER	10/17/2005	10/17/2005	-	10/24/2005
ENV-4	WATER	10/17/2005	10/17/2005	-	10/26/2005
ENV-7	WATER	10/17/2005	10/17/2005	-	10/24/2005
ENV-8	WATER	10/17/2005	10/17/2005	-	10/24/2005
ENV-9	WATER	10/17/2005	10/17/2005	ı	10/26/2005
FD101705	WATER	10/17/2005	10/17/2005	-	10/24/2005
GW-3	WATER	10/17/2005	10/17/2005	-	10/26/2005

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES. INC.

LAD NAME: SEVERN TRE	VI LADORAT	ORILS, INC.			
SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
ENV-1	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
ENV-3R	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
ENV-4	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
ENV-7	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
ENV-8	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
ENV-9	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
FD101705	WATER	ASP00	-	AS REQUIRED	AS REQUIRED
GW-3	WATER	ASP00	-	AS REQUIRED	AS REQUIRED



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Tab Name: CUT Diffel.	C arrel and		ENV-1	
Lab Name: STL Buffalo	Contract:		<u> </u>	
Lab Code: RECNY Case No).: SAS No.:	SDG No.:		
Matrix: (soil/water) WATER	: !	Lab Sample ID:	A5B64906	<u>.</u>
Sample wt/vol:5.0	<u>0</u> (g/mL) <u>ML</u>	Lab File ID:	<u>0</u> 8385.RR	
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/17/200	5 <u>10/17/2005</u>
% Moisture: not dec.	_ Heated Purge: N	Date Analyzed:	10/24/200	<u>5</u>
GC Column: <u>DB-624</u> ID:	_0.25 (mm)	Dilution Factor	:1.00	
Soil Extract Volume:	_ (uL)	Soil Aliquot Vo	lume:	(uL)
CAS NO. COM	POUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q
74-87-3Chl	oromethane		10	U
74-83-9Bro	momethane		10	ט
75-01-4Vin	yl chloride		10	U
1 /5-110-1	~~~~Enana	· · · · · · · · · · · · · · · · · · ·	10	ט
75-09-2Met	hylene chloride	· ·	10	U
67-64-1Ace	tone	ŀ	10	U
75-15-0Car	bon Disulfide		10	U
75-35-41,1	-Dichlorcethene		10	ן ע
75-34-31,1	-Dichloroethane		10	U
[67-66-3Chle	oroform		10	J
	-Dichloroethane			J
78-93-32-Bi	utanone		10	IJ

71-55-6-----1,1,1-Trichloroethane

56-23-5-----Carbon Tetrachloride

75-27-4----Bromodichloromethane

124-48-1----Dibromochloromethane

79-00-5----1,1,2-Trichloroethane

108-10-1----4-Methyl-2-pentanone

127-18-4----Tetrachloroethene

10061-02-6---trans-1,3-Dichloropropene

79-34-5----1,1,2,2-Tetrachloroethane

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

10061-01-5---cis-1,3-Dichloropropene

78-87-5----1,2-Dichloropropane

79-01-6----Trichloroethene

71-43-2----Benzene

75-25-2----Bromoform

591-78-6----2-Hexanone

108-90-7----Chlorobenzene

100-41-4----Ethylbenzene

1330-20-7----Total Xylenes

108-88-3----Toluene

100-42-5----Styrene

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Client No.

lah Nama, CTT Duffala	Claushaus arb		ENV-1	
ran Marie: 211 Burraro	Contract:			
Lab Code: <u>RECNY</u> Ca	se No.: SAS No.:	SDG No.:	-	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5B64906	
Sample wt/vol:	<u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	Q8385.RR	
Level: (low/med)	LOW	Date Samp/Recv:	10/17/2005	10/17/2005
Moisture: not dec.	Heated Purge: N	Date Analyzed:	10/24/2005	
SC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor	:1.00	
Soil Extract Volume:	(uL)	Soil Aliquot Vo.	lume:	_ (uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q
156-60-5 1634-04-4 156-59-2 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8	1,1,2-Trichloro-1,2,2-triflu-trans-1,2-DichloroetheneMethyl-t-Butyl Ether (MIBE)cis-1,2-DichloroetheneCyclohexaneMethylcyclohexane1,2-Dibromoethane1,2-Dibromoethane1,3-Dichlorobenzene1,4-Dichlorobenzene1,2-Dichlorobenzene1,2-Dichlorobenzene1,2-Dibromo-3-chloropropane1,2,4-TrichlorobenzeneMethyl acetate		10 U U U U	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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				ENV-1		
Lab Name	: STL Buffalo	Contract:			<u> </u>	
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.: _			
Matrix:	(soil/water) WATER		Lab Sampl	le ID: <u>A5B64</u>	906	
Sample w	t/vol:5.0	0 (g/mL) <u>ML</u>	Lab File	ID: <u>Q8385</u>	RR.	
Level:	(low/med) <u>LOW</u>		Date Samp	o/Recv: <u>10/17</u>	<u>7/2005</u> <u>1</u>	10/17/2005
% Moistu	re: not dec	-	Date Anal	lyzed: <u>10/24</u>	/2005	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:1	00	
Soil Ext	ract Volume:	(uL)	Soil Alic	quot Volume: _		(uL)
Number T	ICs found: 0		CONCENTRATI (ug/L or u	ON UNITS: ug/Kg) <u>UG/I</u>	1	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	
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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Tab Name	. COT D65-1-		-t		ENV-3	R .	
Lab Name	: STL Buffalo	Cor	ntract:		<u> </u>		
Lab Code	e: <u>RECNY</u> Cas	se No.:	SAS No.:	SDG No.: _	<u></u>		
Matrix:	(soil/water) <u>V</u>	VATER		Lab Sample	ID: <u>A5B649</u>	07	
Sample w	vt/vol:	5.00 (g/mL) <u>ML</u>		Lab File II	Q8384.	RR	_
Level:	(low/med) <u>I</u>	<u></u>		Date Samp/R	ecv: <u>10/17/</u>	<u>2005</u> <u>10</u>	/17/2005
% Moistu	re: not dec	Heated Pu	ırge: <u>N</u>	Date Analyz	ed: <u>10/24/</u>	2005	
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)		Dilution Fa	ctor:1.0	00	
Soil Ext	ract Volume: _	(uL)		Soil Alique	t Volume:		(uL)
	CAS NO.	COMPOUND		CONCENTRATION U (ug/L or ug/Kg		Q	
	75-01-4 75-00-3 75-09-2	-Chloromethane -Bromomethane -Vinyl chloride -Chloroethane -Methylene chlor			10 10 73 10 10	ת ח	
	75-15-0 75-35-4	-Acetone -Carbon Disulfid -1,1-Dichloroeth -1,1-Dichloroeth	ee		10 10 10 24 10	U U	
	107-06-2 78-93-3 71-55-6	-1,2-Dichloroeth	ane ethane		10 10 10 2 10	U U U	7

75-27-4----Bromodichloromethane

10061-01-5---cis-1,3-Dichloropropene

78-87-5----1,2-Dichloropropane

124-48-1----Dibromochloromethane

108-10-1----4-Methyl-2-pentanone

127-18-4----Tetrachloroethene

79-00-5-----1,1,2-Trichloroethane

10061-02-6---trans-1,3-Dichloropropene

79-34-5----1,1,2,2-Tetrachloroethane

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

79-01-6----Trichloroethene

71-43-2----Benzene

108-88-3----Toluene

100-42-5----Styrene

75-25-2----Bromoform

591-78-6----2-Hexanone

108-90-7----Chlorobenzene

100-41-4----Ethylbenzene

1330-20-7----Total Xylenes

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Client No.

		ENV-3R
Lab Name: STL Buffalo Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B64907
Sample wt/vol:5.00 (g/mL) ML	Lab File ID:	Q8384 .RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/17/2005 10/17/2005
Moisture: not dec Heated Purge: N	Date Analyzed:	10/24/2005
3C Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	me: (uL)
	ONCENTRATION UNITS: (ug/L or ug/Kg) <u>l</u>	<u>IG/L</u> Q
76-13-11,1,2-Trichloro-1,2,2-trifluoro 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene 79-20-9Methyl acetate		10 U

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	: STL Buffalo	Contract:		EINV-3R		<u> </u>		
Lab Code	: <u>RECNY</u> Case No	o.: SAS No.:	SDG No.:					
Matrix:	(soil/water) WATER	2	Lab Samp	le ID: <u>A5B649</u>	07			
Sample w	t/vol: <u>5.0</u>	00 (g/mL) <u>ML</u>	Lab File	ID: <u>Q8384</u> .	RR	· 		
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/17/</u>	<u>2005</u> 1	0/17/2005		
% Moistu	re: not dec.	Date Ana	Date Analyzed: <u>10/24/2005</u>					
GC Colum	n: <u>DB-624</u> ID	0: <u>0.25</u> (mm)	Dilution	Dilution Factor: 1.00				
Soil Ext	ract Volume:	(uL)	Soil Alio	Soil Aliquot Volume: (uL)				
Number T	ICs found: <u>1</u>		CONCENTRATION (ug/L or 1	ION UNITS: ug/Kg) <u>UG/L</u>				
	CAS NO.	Compound Name	RT	Est. Conc.	Q	}.		
	1.	UNKNOWN	1.55	7	J			

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Lab Name: <u>STL Buffalo</u>	Contract:		ENV-4
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5B64904
Sample wt/vol: $\underline{5.00}$ (g/mL	ı) <u>M</u> L	Lab File ID:	Q8416.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/17/2005 10/17/2005
Moisture: not dec Heat	ed Purge: N	Date Analyzed:	10/26/2005
C Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)
	CO	ארדייים איידר אנד נואדריים.	

CAG NO	COMPONENTS	CONCENTRATION			
CAS NO.	COMPOUND	(ug/L or ug/k	(g) 	UG/L	Q
	Chloromethane			10	U
	Bromomethane			10	ט
75-01-4	Vinyl chloride			10	ע
75-00-3	Chloroethane			10	ט
75-09-2	Methylene chloride			10 ' '	ט
67-64-1				10	ע
	Carbon Disulfide			10	ע
75-35-4	1,1-Dichloroethene			10	ע
	1,1-Dichloroethane			10	U
67-66-3				10	U
	1,2-Dichloroethane			10	U
78-93-3	2-Butanone			10	U
71-55-6	1,1,1-Trichloroethane			10	U
1	Carbon Tetrachloride			10	U
	Bromodichloromethane			10	U
78-87-5	1,2-Dichloropropane			10	U
	cis-1,3-Dichloropropene			10	U
	Trichloroethene_			1	J
	Dibromochloromethane			10	U
	1,1,2-Trichloroethane			10	U
71-43-2				10	U
10061-02-6	trans-1,3-Dichloropropene			10	U
75-25-2				10	U
	4-Methyl-2-pentanone			10	U
591-78-6				10	U
	-Tetrachloroethene			10	U
108-88-3				10	U
	-1,1,2,2-Tetrachloroethane			10	U
	Chlorobenzene			10	U
	-Ethylbenzene			10	ע
100-42-5	-Styrene			10	U
1330-20-7	-Total Xylenes			10	U
	-Dichlorodifluoromethane			10	U
75-69-4	-Trichlorofluoromethane			10	U

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Lab Name	e: <u>STL Buffalo</u> Contract:		ENV-4	4	
	E: <u>RECNY</u> Case No.: SAS No.:				
	ab no				
Matrix:	(soil/water) <u>WATER</u>	Lab Sample	e ID: <u>A5B649</u>	904	
Sample w	t/vol: 5.00 (g/mL) ML	Lab File	D: <u>Q8416</u>	.RR	_
Level:	(low/med) <u>LOW</u>	Date Samp,	'Recv: <u>10/17</u>	<u>/2005 10</u>	/17/2005
Moistu	re: not dec Heated Purge: N	Date Analy	zed: <u>10/26</u>	<u>/2005</u>	
3C Colum	n: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution I	actor:1.	.00	
Soil Ext	ract Volume: (uL)	Soil Aliq	ot Volume: _	Tame:	(uL)
			INTERC		1.
	CAS NO. COMPOUND	CONCENTRATION (ug/L or ug/F		Q	
	76-13-11,1,2-Trichloro-1,2,2-trif	fluoroethane	10	U	
	156-60-5trans-1,2-Dichloroethene	 	2	J	
	1634-04-4Methyl-t-Butyl Ether (MIBE	3)	10	U	
	156-59-2cis-1,2-Dichloroethene		6	J	ľ
			10	U	
	1108-87-2Metnylcyclonexane		10	U	
	106-93-41,2-Dibromoethane		10	U	
	198-82-81sopropy1benzene		10	U	
	541-73-11,3-Dichlorobenzene		10	U	
	106-46-71,4-Dichlorobenzene		10	U	
	95-50-11,2-Dichlorobenzene		10	U	
	96-12-81,2-Dibromo-3-chloropropan	ne	10	U	ļ
	120-82-11,2,4-Trichlorobenzene		10	U	
	79-20-9Methyl acetate		10	U	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	: STL Buffalo	Contract:	<u>·</u>	ENV-4	*****	
Lab Code	:: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:			
Matrix:	(soil/water) WATER		Lab Samp	le ID: <u>A5B649</u>	904	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File	ID: <u>08416</u> .	RR	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/17/</u>	<u>′2005</u> <u>1</u>	0/17/2005
% Moistu	re: not dec		Date Ana	lyzed: <u>10/26/</u>	<u>′2005</u>	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor: 1.	00	
Soil Extract Volume: (uL)			Soil Aliquot Volume: (uL)			
Number T	ICs found: <u>1</u>		CONCENTRAT (ug/L or 1	ION UNITS: ug/Kg) <u>UG/L</u>		
	CAS NO.	Compound Name	RT	Est. Conc.	Q	·]
	1 74 02 1	METHINALITA	0.16	_	75.7	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 74-93-1	METHANETHIOL	2.16	5	JN

ENV-7
SDG No.:
Lab Sample ID: A5B64905
Lab File ID: <u>Q8386.RR</u>
Date Samp/Recv: <u>10/17/2005</u> <u>10/17/2005</u>
Date Analyzed: <u>10/24/2005</u>
Dilution Factor: 1.00
Soil Aliquot Volume: (uL)
CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

T ala Mana	OUT 12-55-1.	G-1		ENV-7	•	
Lab Name	: SIL BUITALO	2 Contract		<u> </u>		
Lab Code	: <u>RECNY</u> Ca	ase No.: SAS No	SDG No.:			
Matrix:	(soil/water)	WATER	Lab Sampl	e ID: <u>A5B649</u>	05	
Sample w	t/vol:	<u>5.00</u> (g/mL) <u>ML</u>	Lab File	ID: <u>Q8386</u> .	RR	_
Level:	(low/med)	LOW	Date Samp	/Recv: <u>10/17/</u>	2005 <u>10</u>	/17/2005
% Moistu	re: not dec.	Heated Purge: N	Date Anal	yzed: <u>10/24/</u>	2005	
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution	Factor:1.	<u>00</u>	
Soil Ext	ract Volume:	(uL)	Soil Aliq	uot Volume:		(uL)
	CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/	UNITS: Kg) <u>UG/L</u>	Q	
	156-60-5 1634-04-4 156-59-2 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1	1,3-Dichlorobenzene	iene (MIBE) ie	10 10 10 190 10 10 10 10	ם ה ה ה ה ה ה	
	96-12-8 120-82-1	1,2-Dichlorobenzene 1,2-Dibromo-3-chlorop 1,2,4-Trichlorobenzen Methyl acetate	ropane e	10 10 10 10	n n	

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				ENV-7		1
Lab Name	: STL Buffalo	Contract:	-	<u> </u>		
Lab Code	: <u>RECNY</u> Case No	o.: SAS No.:	SDG No.:			
Matrix:	(soil/water) WATER		Lab Samp.	le ID: <u>A5B649</u>	905	
Sample w	t/vol: <u>5.0</u>	00 (g/mL) <u>ML</u>	Lab File	ID: <u>Q8386</u> .	.RR	_
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/17</u> /	<u>′2005</u> <u>10</u>	0/17/2005
% Moistu	re: not dec	<u>.</u>	Date Ana	lyzed: <u>10/24/</u>	<u>′2005</u>	
GC Colum	n: <u>DB-624</u> ID	0: <u>0.25</u> (mm)	Dilution	Factor: 1.	<u>00</u>	
Soil Ext	ract Volume:	(uL)	Soil Alio	quot Volume: _		(uL)
Number T	ICs found:0		CONCENTRAT: (ug/L or 1	ION UNITS: ug/Kg) <u>UG/L</u>		
	CAS NO.	Compound Name	RT	Est. Conc.	Q	

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Inh Name CTT Duffalo Contract	ENV-8	
Lab Name: STL Buffalo Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5B64903	
Sample wt/vol:5.00 (g/mL) ML	Lab File ID: <u>Q8388.RR</u>	
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/17/2005</u> <u>10/17/2</u>	005
% Moisture: not dec Heated Purge: N	Date Analyzed: 10/24/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q	
74-87-3	10 U 9 J 10 U 10	

79-01-6----Trichloroethene

71-43-2----Benzene

75-25-2-----Bromoform

591-78-6----2-Hexanone

108-90-7----Chlorobenzene

100-41-4----Ethylbenzene

1330-20-7----Total Xylenes

108-88-3----Toluene

100-42-5----Styrene

124-48-1----Dibromochloromethane

108-10-1----4-Methyl-2-pentanone

127-18-4----Tetrachloroethene

79-00-5-----1,1,2-Trichloroethane

10061-02-6----trans-1,3-Dichloropropene

79-34-5----1,1,2,2-Tetrachloroethane

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

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		ENV-8
Lab Name: STL Buffalo Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	•
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B64903
Sample wt/vol:5.00 (g/mL) ML	Lab File ID:	Q8388.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/17/2005 10/17/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/24/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg)	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene 79-20-9Methyl acetate		10 U 2 J 10 U 78 10 U

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Lab Name	: STL Buffalo	Contract:		ENV-8		
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:			
Matrix:	(soil/water) <u>WATER</u>		Lab Samp	le ID: <u>A5B649</u>	03	
Sample wt	:/vol:	0 (g/mL) <u>ML</u>	Lab File	ID: <u>Q8388</u> .	RR	<u>.</u>
Level:	(low/med) <u>LOW</u>		Date Sam	o/Recv: <u>10/17/</u>	2005 <u>10</u>	0/17/2005
% Moistu	re: not dec.		Date Ana	lyzed: <u>10/24/</u>	2005	
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor: 1.	<u>00</u>	
Soil Extr	ract Volume:	(uL)	Soil Ali	quot Volume:		(uL)
Number Tl	ICs found: 0		CONCENTRATION (ug/L or 1	ION UNITS: ug/Kg) <u>UG/L</u>	_	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	

Client No.

	1
ENV-9	l
	l

Lab Name: <u>STL Buffalo</u>	Contract:	<u>.</u>	
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:	-
Matrix: (soil/water) WATER		Lab Sample ID:	<u>A5B64901</u>
Sample wt/vol: $\underline{5.00}$ (g/mL)) <u>ML</u>	Lab File ID:	Q8415.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/17/2005 10/17/2005
% Moisture: not dec Heate	ed Purge: <u>N</u>	Date Analyzed:	10/26/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)

CONCENTRATION UNITS:

COMPOUND		IS: UG/L	Q Q
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		10	U
		10	ש
		10	U
		10	ש
		10	U
		10	U
		10	U
-Styrene		10	U
-Total Xylenes		10	U
-Dichlorodifluoromethane		10	U
-Trichlorofluoromethane		10	U
	-Chloromethane -Bromomethane -Bromomethane -Vinyl chloride -Chloroethane -Methylene chloride -Acetone -Carbon Disulfide -1,1-Dichloroethane -Chloroform -1,2-Dichloroethane -2-Butanone -1,1,1-Trichloroethane -2-Butanone -1,2-Dichloropropane -cis-1,3-Dichloropropane -cis-1,3-Dichloropropene -Trichloroethane -1,1,2-Trichloroethane -1,1,2-Trichloroethane -1,1,2-Trichloroethane -Trichloroethene -Trichloroethene -Trichloroethene -Trichloroethene -Tetrachloroethene -Tetrachloroethene -Toluene -1,1,2,2-Tetrachloroethane -Chlorobenzene -Ethylbenzene -Styrene -Total Xylenes -Dichlorofluoromethane -Trichlorofluoromethane -Trichlorofluoromethane	-Chloromethane -Bromomethane -Bromomethane -Vinyl chloride -Chloroethane -Methylene chloride -Acetone -Carbon Disulfide -1,1-Dichloroethane -Chloroform -1,2-Dichloroethane -2-Butanone -1,1,1-Trichloroethane -Carbon Tetrachloride -Bromodichloromethane -1,2-Dichloropropane -cis-1,3-Dichloropropene -Trichloroethene -Dibromochloromethane -1,1,2-Trichloroethane -1,1,2-Trichloroethane -1,1,2-Trichloropropene -Trans-1,3-Dichloropropene -Bromoform -4-Methyl-2-pentanone -2-Hexanone -Tetrachloroethene -Toluene -1,1,2,2-Tetrachloroethane -1,1,2,2-Tetrachloroethane -Chlorobenzene -Ethylbenzene -Styrene -Total Xylenes -Dichlorodifluoromethane	-Chloromethane 10 -Brommethane 10 -Chloroethane 10 -Chloroethane 10 -Methylene chloride 10 -Acetone 10 -Carbon Disulfide 10 -1,1-Dichloroethene 10 -1,1-Dichloroethane 10 -1,2-Dichloroethane 10 -1,1,1-Trichloroethane 10 -1,1,1-Trichloroethane 10 -1,2-Dichloromethane 10 -1,2-Dichloromethane 10 -1,2-Dichloromethane 10 -T,1,1-Trichloroethane 10 -T,1,1-Trichloroethane 10 -T,2-Dichloromethane 10 -1,2-Dichloromethane 10 -1,2-Dichloromethane 10 -1,2-Dichloromethane 10 -1,2-Trichloroethene 10 -Trichloroethene 10 -Trichloroethene 10 -Trichloroethane 10 -Trichloroethane 10 -Trichloromethane 10 -Trichloromethane 10 -Trichloroethene 10 -Trichloromethane 10 -Trichloroethene 10 -Trichloroethene 10 -Trichloroethene 10 -Trichloroethene 10 -Trichloroethene 10 -Tetrachloroethene 10 -Tetrachloroethene 10 -Tetrachloroethene 10 -Toluene 10 -Toluene 10 -Toluene 10 -Total Xylenes 10 -Dichlorodifluoromethane 10

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Client No.

		ENV-9	
Lab Name: STL Buffalo Contract:			
Lab Code: RECNY Case No.: SAS No.: _	SDG No.:		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B64901	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	Q8415.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/17/2005 10/	17/2005
Moisture: not dec Heated Purge: N	Date Analyzed:	10/26/2005	
SC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volu	.me: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>I</u>	<u>JG/L</u> Q	
76-13-11,1,2-Trichloro-1,2,2-tri 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIB 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropal 120-82-11,2,4-Trichlorobenzene	E)	10 U 10 U 10 U 10 U 1 J 10 U	

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_ 7						ENV-9		
Lab Name	: SiL Buffalo	Contract:						
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:		SDG No.:				
Matrix:	(soil/water) <u>WATER</u>			Lab Sampi	le ID:	A5B6490	01	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>		Lab File	ID:	Q8415.I	RR	
Level:	(low/med) <u>LOW</u>			Date Sam	o/Recv:	10/17/2	2005 1	0/17/2005
% Moistu	re: not dec.	-		Date Ana	lyzed:	10/26/2	200 <u>5</u>	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)		Dilution	Factor	:1.0	<u>00</u>	
Soil Ext	ract Volume:	(uL)		Soil Alio	quot Vo	lume:		(uL)
Number Ti	ICs found:0			CONCENTRAT: (ug/L or 1			_	
	CAS NO.	Compound Na	me	RT	Est.	Conc.	Q	
								1

Client No.

1		 	
	FB101705		

Lab Name: <u>STL Buffalo</u>	Contract:		
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	<u>A5B64910</u>
Sample wt/vol: 5.00 (g/	/mL) <u>ML</u>	Lab File ID:	<u>Q8381.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/17/2005 10/17/2005
% Moisture: not dec He	eated Purge: <u>N</u>	Date Analyzed:	10/24/2005
GC Column: <u>DB-624</u> ID: <u>0.2</u>	25 (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL	_)	Soil Aliquot Volu	me: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1			2	J
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U .
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	ע
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
	cis-1,3-Dichloropropene		10	U
	Trichloroethene		10	U
124-48-1	Dibromochloromethane		10	U
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
75-25-2			10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6			10	ן ט
127-18-4	Tetrachloroethene		10	U
108-88-3			10	ט
79-34-5	1,1,2,2-Tetrachloroethane		10	ן ט
	Chlorobenzene		10	U
	Ethylbenzene		10	U
100-42-5			10	υ
	Total Xylenes		10	υ l
	Dichlorodifluoromethane		10	Ū
	Trichlorofluoromethane		10	Ū

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Client No.

I ah Nama, CTI Duffala G	ontro at .		FB101	705	
Lab Name: <u>STL Buffalo</u> Co	JILLACL:				
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	_ SDG No.:	<u> </u>		
Matrix: (soil/water) <u>WATER</u>		Lab Sample I	D: <u>A5B649</u>	10	
Sample wt/vol: $\underline{5.00}$ (g/mL) \underline{M}	يا	Lab File ID:	<u>Q8381.</u> I	RR	
Level: (low/med) <u>LOW</u>		Date Samp/Re	cv: <u>10/17/</u> 2	2005 10/	17/2005
Moisture: not dec Heated	Purge: <u>N</u>	Date Analyze	d: <u>10/24/</u> 2	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm))	Dilution Fac	tor:1.0	<u>00</u>	
Soil Extract Volume: (uL)		Soil Aliquot	Volume:	(1	ىلد)
CAS NO. COMPOUND		CONCENIRATION UN (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichlor 156-60-5trans-1,2-Dich 1634-04-4Methyl-t-Buty 156-59-2Cis-1,2-Dichlor 110-82-7Cyclohexane 108-87-2Methylcyclohex 106-93-41,2-Dibromoeth 98-82-8Isopropylbenze 541-73-11,3-Dichlorobe 106-46-71,4-Dichlorobe 95-50-11,2-Dichlorobe 96-12-81,2-Dibromo-3- 120-82-11,2,4-Trichlor 79-20-9Methyl acetate	nloroethene l Ether (MIBE) proethene kane nane ene enzene enzene enzene chloropropane robenzene		10 10 10 10 10 10 10 10 10 10 10	מממממממממממ	

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Lab Name	: STL Buffalo	Cor	ntract:				FBIOI /O	<u>-</u>	
Lab Code	: <u>RECNY</u> Case No	.:	SAS No.:	_	SDG No.: _				
Matrix:	(soil/water) WATER				Lab Sampi	le ID:	A5B649	10	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>MI</u>	i		Lab File	ID:	Q8381.I	RR	
Level:	(low/med) <u>LOW</u>				Date Samp	o/Recv:	10/17/2	2005 <u>10</u>	0/17/2005
% Moisture: not dec					Date Analyzed: <u>10/24/2005</u>				
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)			Dilution Factor: 1.00				
Soil Exti	ract Volume:	(uL)			Soil Aliquot Volume: (uL)				
Number TICs found: <u>1</u>			C	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>					
	CAS NO.	Co	mpound Name		RT	Est.	Conc.	Q	
	1.	UNKNOWN			1.73		6	J	

Client No.

			FD101705
Lab Name: STL Buffalo	Contract:		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	•
Matrix: (soil/water) WATER		Lab Sample ID:	A5B64909
Sample wt/vol: $\underline{5.00}$ (g/mL)	<u>ML</u>	Lab File ID:	Q8382.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/17/2005 10/17/2005
% Moisture: not dec Heated	d Purge: <u>N</u>	Date Analyzed:	10/24/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (t	m)	Dilution Factor:	1.00

Soil Extract Volume: ____ (uL)

CONCENTRATION UNITS:

Soil Aliquot Volume: _____ (uL)

		CONCENTRATION UNI		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	ָ ע
75-01-4	Vinyl chloride		10	U
	Chloroethane		10	ן ט
75-09-2	Methylene chloride		10	U
67-64-1			10	ט
75-15-0	Carbon Disulfide		10	ע
75-35-4	1,1-Dichloroethene		10	ע
75-34-3	1,1-Dichloroethane		10	ע
	Chloroform		10	ע
107-06-2	1,2-Dichloroethane		10	ש
	2-Butanone		10	ע ו
71-55-6	1,1,1-Trichloroethane		10	U
	Carbon Tetrachloride		10	שׁ
75-27-4	Bromodichloromethane		10	ע
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	ע
	Trichloroethene		10	U
124-48-1	Dibromochloromethane		10	U
79-00-5	1,1,2-Trichloroethane		10	ע
71-43-2	•		10	ע
10061-02-6	trans-1,3-Dichloropropene		10	U
75-25-2			10	U
108-10-1	4-Methyl-2-pentanone		10	U
1	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
108-88-3	Toluene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	<u> </u>		10	U
	Total Xylenes		10	U
	Dichlorodifluoromethane		10	U
	Trichlorofluoromethane		10	ט

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

		FD101	705	
Lab Name: STL Buffalo Contract:				
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	<u>A5B6490</u>	09	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	Q8382.I	RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv	: 10/17/2	2005 <u>10/</u>	17/2005
Moisture: not dec Heated Purge: N	Date Analyzed:	10/24/2	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Facto	r:1.0	<u>00</u>	
Soil Extract Volume: (uL)	Soil Aliquot V	olume:		uL)
CAS NO. COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-trifl 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene 79-20-9Methyl acetate		10 10 10 1 10 10 10 10 10 10 10 10	מממממממממממממ	

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Lab Name	: STL Buffalo	Contract:	- .		 DT0T102		
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:				
Matrix:	(soil/water) <u>WATER</u>		Lab Sampi	le ID:	A5B6490	9	
Sample wt	z/vol:	0 (g/mL) <u>ML</u>	Lab File	ID:	Q8382.R	R	_
Level:	(low/med) <u>LOW</u>		Date Sam	o/Recv:	10/17/2	005 <u>10</u>	/17/2005
% Moistu	re: not dec.	<u>-</u>	Date Ana	lyzed:	10/24/2	005	
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.0	<u>0</u>	
Soil Exti	cact Volume:	(uL)	Soil Alio	quot Volu	me:		(uL)
Number Ti	ICs found: <u>0</u>		CONCENTRATION (ug/L or 1		-		
	CAS NO.	Compound Name	RT	Est. Co	onc.	Q	

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

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		1011 3
Lab Name: STL Buffalo	Contract:	

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64902

Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$ Lab File ID: $\underline{\text{Q8417.RR}}$

Level: (low/med) Low Date Samp/Recv: $\underline{10/17/2005}$ $\underline{10/17/2005}$

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/26/2005

GC Column: $\underline{DB-624}$ ID: $\underline{0.25}$ (mm) Dilution Factor: $\underline{1.00}$

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K	UG/L_	Q
				T
	Chloromethane		10	U
	Bromomethane		10	U
	Vinyl chloride		10	U
1	Chloroethane		10	U
	Methylene chloride		10	U
67-64-1			10	U
	Carbon Disulfide		10	U
	1,1-Dichloroethene		10	U
	1,1-Dichloroethane		10	U
67-66-3			10	U
	1,2-Dichloroethane		10	U
78-93-3			10	U
	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	ע
75-27-4	Bromodichloromethane		10	ע
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	ע
124-48-1	Dibromochloromethane		10	ע
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
75-25-2			10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6			10	U
127-18-4	Tetrachloroethene		10	U
108-88-3	Toluene		10	ע
79-34-5	1,1,2,2-Tetrachloroethane		10	U
	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5			10	U
B .	Total Xylenes		10	U
	Dichlorodifluoromethane		10	U
	Trichlorofluoromethane		10	ע
-			 	

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Client No.

					GW-3		
Lab Name:	: STL Buffalo	Contract:			<u> </u>		
Lab Code:	: <u>RECNY</u> Cas	e No.: SAS No.:	SDG No	-:	-		
Matrix: ((soil/water) \underline{W}	ATER	Lab Sam	ple ID:	A5B64902	<u>!</u>	
Sample wt	:/vol:	5.00 (g/mL) <u>ML</u>	Lab Fil	e ID:	Q8417.RF	2	
Level:	(low/med) $\underline{\underline{L}}$	<u>OW</u>	Date Sa	mp/Recv:	10/17/20	05 10/1	.7/2005
% Moistur	re: not dec	Heated Purge: N	Date An	alyzed:	10/26/20	005	
3C Column	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilutio	n Factor:	1.00	!	
Soil Extr	act Volume: _	(uL)	Soil Al	iquot Vol	ume:	(u	山)
	CAS NO.	COMPOUND	CONCENTRATI (ug/L or u			Q	
	156-60-5 1634-04-4 156-59-2 110-82-7 108-87-2	-Methylavalohevane	3E)		10 10 10 10 10 10	บ บ บ บ บ	
	98-82-8 541-73-1 106-46-7 95-50-1	-Isopropylbenzene -1,3-Dichlorobenzene -1,4-Dichlorobenzene -1,2-Dichlorobenzene			10 10 10 10	บ บ บ	
, J.	96-12-8	-1,2-Dibromo-3-chloropropa	ane	<u></u>	10	U	

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						GW-3		
Lab Name	: STL Buffalo	Cor	ntract:					
Lab Code	: <u>RECNY</u> Case No	·:	SAS No.:	SDG No.:	 	-		•
Matrix:	(soil/water) WATER	2		Lab Samp	le ID:	A5B6490	02	
Sample w	t/vol:5.0	<u>00</u> (g/mL) <u>M</u>	<u>.</u>	Lab File	ID:	<u>Q8417.</u> I	R.	<u> </u>
Level:	(low/med) <u>LOW</u>			Date Sam	p/Recv:	10/17/2	2005 10	0/17/2005
% Moistu	re: not dec			Date Anal	lyzed:	10/26/2	2005	
GC Colum	n: <u>DB-624</u> ID): <u>0.25</u> (mm)		Dilution	Factor	:1.0	00	
Soil Ext	ract Volume:	(uL)		Soil Alio	quot Vo	lume:		(uL)
			CONCENTRAT: (ug/L or 1			-		
	CAS NO.	Cc	ompound Name	RT	Est.	Conc.	Q	

Client No.

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Lab Name: <u>STL Buffalo</u> Contract:

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64912

Sample wt/vol: 5.00 (g/mL) MLLab File ID: <u>Q8373.RR</u>

Level: (low/med) <u>LOW</u> Date Samp/Recv: 10/17/2005 10/17/2005

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: <u>10/24/2005</u>

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: ____1.00

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K	 JG/L	Q
		(49/13 01 49/14	 	× 1
	Chloromethane		10	U
	-Bromomethane		10	U
	-Vinyl chloride		10	U
	-Chloroethane		10	U
	-Methylene chloride		 10	U
67-64-1			10	U
· ·	-Carbon Disulfide		10	U
	-1,1-Dichloroethene		10	ט
75-34-3	-1,1-Dichloroethane		10	ע
67-66-3	-Chloroform		10	ับ
	-1,2-Dichloroethane		10	ប
78-93-3	-2-Butanone	_	10	U
	-1,1,1-Trichloroethane		10	U
56-23-5	-Carbon Tetrachloride		10	ע
	-Bromodichloromethane		10	ן ט
78-87-5	-1,2-Dichloropropane		10	U
10061-01-5	-cis-1,3-Dichloropropene		10	ע
79-01-6	-Trichloroethene		10	U
	-Dibromochloromethane		10	ע
	-1,1,2-Trichloroethane		10	ן ט
71-43-2		_	10	U
10061-02-6	-trans-1,3-Dichloropropene		10	U
75-25-2	-Bromoform		10	ן ט
108-10-1	-4-Methyl-2-pentanone		10	υ
591-78-6			10	U
127-18-4	-Tetrachloroethene		10	U
108-88-3			10	υ
79-34-5	-1,1,2,2-Tetrachloroethane		10	ט
108-90-7	-Chlorobenzene		10	υ
100-41-4			10	υ
100-42-5			10	U
	-Total Xylenes		10	υ
	-Dichlorodifluoromethane		10	Ū
75-69-4	-Trichlorofluoromethane		10	Ū

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

I als Names CITI Disffer la Contrar et		TRIP BLANK
Lab Name: STL Buffalo Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) WATER	Lab Sample ID:	A5B64912
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	Q8373.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/17/2005 10/17/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/24/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	me: (uL)
	NCENTRATION UNITS: ug/L or ug/Kg) <u>U</u>	<u>G/L</u> Q
76-13-11,1,2-Trichloro-1,2,2-trifluoroe 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene		10 U U 10

120-82-1----1,2,4-Trichlorobenzene 79-20-9-----Methyl acetate

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Lab Code: RECNY Case No.: SAS No.: SDG No.: Matrix: (soil/water) WATER Lab Sample ID: A5B64912 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8373.RR Level: (low/med) LOW Date Samp/Recv: 10/17/2005 10/17/2005 % Moisture: not dec Date Analyzed: 10/24/2005 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: (uL) Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L CAS NO. Compound Name RT Est. Conc. Q	Lab Name	: STL Buffalo	Contract:				RIP BLA	NK.	
Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8373.RR Level: (low/med) LOW Date Samp/Recv: 10/17/2005 10/17/2005 % Moisture: not dec. Date Analyzed: 10/24/2005 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00 Soil Extract Volume:	Lab Code	: <u>RECNY</u> Case No	.: SAS No.:		SDG No.:				
Level: (low/med) Low Date Samp/Recv: 10/17/2005 10/17/2005 % Moisture: not dec. Date Analyzed: 10/24/2005 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor:	Matrix:	(soil/water) <u>WATER</u>			Lab Samp	le ID:	A5B6491	2	
% Moisture: not dec. Date Analyzed: 10/24/2005 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00 Soil Extract Volume:	Sample wt	:/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>		Lab File	ID:	<u>Q8373.R</u>	R	
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: (uL) Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Level:	(low/med) \underline{LOW}			Date Sam	o/Recv:	<u>10/17/2</u>	005 10	0/17/2005
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	% Moistur	re: not dec	_		Date Ana	lyzed:	10/24/2	005	
Number TICs found: _0 CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	GC Column	n: <u>DB-624</u> ID	: 0.25 (mm)		Dilution	Factor:	1.0	<u>0</u>	
Number TICs found: _0 (ug/L or ug/Kg) <u>UG/L</u>	Soil Exti	cact Volume:	(uL)		Soil Aliquot Volume: (uL)				(uL)
CAS NO. Compound Name RT Est. Conc. Q							_		
		CAS NO.	Compound Name	9	RT	Est. C	onc.	Q	

				VBLK92	2	
Lab Name: <u>ST</u>	<u>L Buffalo</u>	Contract:	<u> </u>			
Lab Code: <u>RE</u>	CNY Case No.:	_ SAS No.:	SDG No.:			
Matrix: (soi	l/water) <u>WATER</u>		Lab Sample ID	. <u>A5B165</u>	7702	
Sample wt/vo	1: <u>5.00</u> (g/mI	r) <u>M</u> I	Lab File ID:	Q8371.I	RR	
Level: (lo	w/med) <u>LOW</u>		Date Samp/Rec	v:		-
% Moisture:	not dec Heat	ted Purge: N	Date Analyzed	: 10/24/2	2005	
GC Column: D	B-624 ID: <u>0.25</u>	(mm)	Dilution Facto	or:1.0	00	
Soil Extract	Volume: (uL)		Soil Aliquot V	Volume:	(uL)	
CAS	NO. COMPOUND		CONCENTRATION UNIT (ug/L or ug/Kg)		Q	
74-	87-3Chlorometh	ine		10 10	U	

CAS INO.	COMPOUND .	(ug/Li Or ug/Ng/	<u>03/11</u>	<u> </u>
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	ש
71-55-6	1,1,1-Trichloroethane		10	ע
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	υ
78-87-5	1,2-Dichloropropane		10	U
	cis-1,3-Dichloropropene		10	U
	Trichloroethene		10	U
124-48-1	Dibromochloromethane		10	ע
79-00-5	1,1,2-Trichloroethane		10	י ט
71-43-2	Benzene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	ש
75-25-2			10	U
108-10-1	4-Methyl-2-pentanone		10	U -
	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
108-88-3			10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
	Chlorobenzene		10	U
	Ethylbenzene		10	U
100-42-5			10	ש
	Total Xylenes		10	υ
75-71-8	Dichlorodifluoromethane		10	υ
	Trichlorofluoromethane		10	U
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Lab Name: STL Buffalo Contract:		VBLK92	
Tab Name: SIM BULTATO CONCLACT:			
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	-	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B165770	<u>12</u>
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	<u>Q8371.RR</u>	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:		·
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/24/200	<u>15</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q
76-13-11,1,2-Trichloro-1,2,2-trifluct 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		10 10 10 10 10 10 10 10 10	U U U U U U U U U U

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Tah Mame	· STI. Buffalo	Contract:				VBLK92		
Tan Marie	. <u>DID BUITATO</u>	Williact:						
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	_	SDG No.: _				
Matrix:	(soil/water) <u>WATER</u>			Lab Samp	le ID:	<u>A5B165′</u>	<u>7702</u>	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>		Lab File	ID:	<u>Q8371.</u>	RR	_
Level:	(low/med) <u>LOW</u>			Date Sam	p/Recv:			
% Moisture: not dec				Date Ana	lyzed:	10/24/2	2005	
GC Column	n: <u>DB-624</u> ID	: 0.25 (mm)	Dilution Factor:1.00					
Soil Exti	ract Volume:	(uL)		Soil Aliquot Volume: (uL)				
Number T	ICs found:0		C	CONCENTRAT: (ug/L or 1			_	
·	CAS NO.	Compound Name		RT	Est.	Conc.	Q	
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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

I al Name CIII Deficate Control of	VBLK94
Lab Name: STL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>A5B1658002</u>
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID: <u>Q8414.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv:
% Moisture: not dec Heated Purge: \underline{N}	Date Analyzed: <u>10/26/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
74-87-3Chloromethane 74-83-9Bromomethane	10 U 10 U
75-01-4Vinyl chloride	
175-00-3Chlomethane	1 10 17 1
75-09-2Methylene chloride	10 0 0
67-64-1Acetone	10 U
75-15-0Carbon Disulfide	10 U

75-35-4----1,1-Dichloroethene

75-34-3----1,1-Dichloroethane

107-06-2----1,2-Dichloroethane

67-66-3-----Chloroform

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

	VBLK94	
SDG No.:		
Lab Sample ID:	A5B1658002	
Lab File ID:	<u>Q8414.RR</u>	
Date Samp/Recv:		
Date Analyzed:	10/26/2005	
Dilution Factor:	1.00	
Soil Aliquot Volu	me: (uL)	
NCENIRATION UNITS: ug/L or ug/Kg) <u>[</u>	JG/L Q	
ethane	10 U U 10	
	Lab Sample ID: Lab File ID: Date Samp/Recv: Date Analyzed: Dilution Factor: Soil Aliquot Volu NCENTRATION UNITS: Lg/L or ug/Kg) ethane	SDG No.: Lab Sample ID:

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Tah Nama	· CTT. Buffalo	Con	tract:			VBLK94			
Tab Marie	: SIL BULLATO	COL	LIACL:						
Lab Code	: <u>RECNY</u> Case No	·:	SAS No.:	SDG No.: _	·				
Matrix:	(soil/water) WATER	•		Lab Samp	le ID:	A5B1658	3002		
Sample w	t/vol:5.0	0 (g/mL) <u>ML</u>	•	Lab File	ID:	Q8414.F	R.		
Level:	(low/med) <u>LOW</u>			Date Sam	p/Recv:				
% Moisture: not dec				Date Analyzed: 10/26/2005					
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)		Dilution Factor: 1.00					
Soil Ext	ract Volume:	(uL)		Soil Aliquot Volume: (uL)					
Number T	ICs found: 0		C	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>					
:	CAS NO.	Con	mpound Name	RT	Est.	Conc.	Q		
						•			

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Tab Nama, CIV Duffala	Clambres at		VHB
Lab Name: <u>STL Buffalo</u>	Contract:		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5B64913
Sample wt/vol: $\underline{5.00}$ (g/mL)	<u>ML</u>	Lab File ID:	Q8372.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/17/2005 10/17/2005
% Moisture: not dec Heate	d Purge: <u>N</u>	Date Analyzed:	10/24/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)

CONCENTRATION UNITS:

		CONCENTRATION U		
CAS NO.	COMPOUND	(ug/L or ug/Kg)) <u>UG/L</u>	Q
	Chloromethane		10	U
	Bromomethane		10	ש
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	ש
71-55-6	1,1,1-Trichloroethane		10	ប
	Carbon Tetrachloride	****	10	U
75-27-4	Bromodichloromethane		10	U
	1,2-Dichloropropane		10	U
	cis-1,3-Dichloropropene		10	U
	Trichloroethene		10	ע
124-48-1	Dibromochloromethane		10	ט
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2			10	ប
	trans-1,3-Dichloropropene		10	U
75-25-2			10	U
	4-Methyl-2-pentanone		10	U
	2-Hexanone		10	שׁ
	Tetrachloroethene		10	U
108-88-3			10	U
	1,1,2,2-Tetrachloroethane		10	U
	Chlorobenzene		10	U
	Ethylbenzene		10	Ū
100-42-5			10	บ
	Total Xylenes		10	Ū
	Dichlorodifluoromethane		10	Ū
	Trichlorofluoromethane		10	Ū

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Client No.

Clerebuse wh		VHB		
Contract:	<u> </u>			
To.: SAS No.:	SDG No.:			
<u>R</u>	Lab Sampl	e ID: <u>A5B649</u>	13	
00 (g/mL) <u>ML</u>	Lab File	ID: <u>Q8372.</u>	RR	
	Date Samp	/Recv: <u>10/17/</u>	<u> 2005</u> <u>10/</u>	17/2005
Heated Purge: N	Date Anal	yzed: <u>10/24/</u>	<u> 2005</u>	
): <u>0.25</u> (mm)	Dilution	Factor: 1.	<u>00</u>	
(uL)	Soil Aliq	uot Volume:	(uL)
MPOUND			Q	
ans-1,2-Dichloroethene thyl-t-Butyl Ether (MIBE) s-1,2-Dichloroethene clohexane thylcyclohexane 2-Dibromoethane copropylbenzene 3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene		10 10 10 10 10 10 10 10 10 10	ט ט ט ט ט ט	
	MPOUND 1,2-Trichloro-1,2,2-triftans-1,2-Dichloroethene ethyl-t-Butyl Ether (MTBE es-1,2-Dichloroethene ethylcyclohexane ethy	Lab Sample 100 (g/mL) ML Lab File Date Sample Heated Purge: N Date Anal Concentration (uL) Concentration (ug/L or ug/l 1,2-Trichloro-1,2,2-trifluoroethane cans-1,2-Dichloroethene chyl-t-Butyl Ether (MTBE) s-1,2-Dichloroethene chylcyclohexane 2-Dibromoethane copropylbenzene 3-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene 2-Dibromo-3-chloropropane	Contract:	Contract:

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Lab Name	: STL Buffalo	Contract:			VHB	<u>.</u>	
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:				
Matrix:	(soil/water) <u>WATER</u>		Lab Sampi	le ID:	A5B649	13	
Sample w	t/vol: <u>5.0</u> 0	0 (g/mL) <u>ML</u>	Lab File	ID:	Q8372.	RR	
Level:	(low/med) <u>LOW</u>		Date Sam	o/Recv:	10/17/2	2005 1	0/17/2005
% Moistu	re: not dec	-	Date Ana	lyzed:	10/24/2	2005	
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor	:1.0	<u>00</u>	
Soil Exti	ract Volume:	(uL)	Soil Alio	quot Vol	lume:		(uL)
Number T	ICs found: <u>1</u>		CONCENTRAT: (ug/L or 1			_	
: : :	CAS NO.	Compound Name	RT	Est.	Conc.	Q	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 420-56-4	FLUOROTRIMETHYLSILANE	2.07	5	JN

EPA ASP 2000 - METHOD 8260 VOLATILES WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: ___ SAS No.: ____ SDG No.: Lab Code: RECNY Case No.: ____

	Client Sample ID	Lab Sample ID	BFB %REC #	DCE %REC #	TOL %REC #						TOT OUT
	=======================================	=========	======	======	======	======	======	======	======	======	===
1	ENV-1	A5B64906	93	111	97						0
2	ENV-3R	A5B64907	95	110	99						0
3	ENV-4	A5B64904	94	104	99	ł					0
4	ENV-7	A5B64905	93	112	97						0
5	ENV-8	A5B64903	94	112	98					-	0
6	ENV-9	A5B64901	94	104	100						0
7	FB101705	A5B64910	92	110	98						0
8	FD101705	A5B64909	93	112	98						0
9	GW-3	A5B64902	94	104	98	}					0
10	GW-3	A5B64902MS	96	105	99						0
11	GW-3	A5B64902SD	96	103	100						0
12	MSB92	A5B1657701	93	102	98						0
13	MSB94	A5B1658001	95	100	100						0
14	TRIP-BLANK	A5B64912	93	106	98						0
15	VBLK92	A5B1657702	92	102	97						0
16	VBLK94	A5B1658002	95	104	99						0
17	VHB	A5B64913	93	104	100						0

QC LIMITS

BFB = p-Bromofluorobenzene DCE = 1,2-Dichloroethane-D4 (86-115) (76-114) (88-110) TOL = Toluene-D8

[#] Column to be used to flag recovery values
* Values outside of contract required QC limits

D Surrogates diluted out

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: <u>STL Buffalo</u>		Contract:		Lab Sam	p ID: <u>A5B1657702</u>
Lab Code: <u>RECNY</u> Case No	o.:	SAS No.:		SDG	No.:
Matrix Spike - Client Samp	le No.: <u>VBLK92</u>				
COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	
1,1-Dichloroethene Trichloroethene Benzene Toluene Chlorobenzene	50.0 50.0 50.0 50.0 50.0 50.0	54.0 50.0 50.7 50.7 50.4	108 100 102 102 101	61 - 145 71 - 120 76 - 127 76 - 125 75 - 130	
# Column to be used to flag * Values outside of QC limi Spike recovery:0 out o	ts		n asteris	sk	.

Comments: _

Contract: Lab Samp ID: A5B1658002

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo

Lab Code: <u>RECNY</u> Case No	.:	SAS No.:		SDG	No.:
Matrix Spike - Client Sample	e No.: <u>VBLK94</u>				
COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.	
1,1-Dichloroethene Trichloroethene Benzene Toluene Chlorobenzene	50.0 50.0 50.0 50.0 50.0	43.7 44.6 45.0 45.4 46.6	87 89 90 91 93	61 - 145 71 - 120 76 - 127 76 - 125 75 - 130	
Column to be used to flag Values outside of QC limit	_	PD values with ar	n asteris	sk	
Spike recovery:0 out of		limits			
Comments:					<u>-</u>

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo		Contract:	Lab	Lab Samp ID: <u>A5B64</u>			
Lab Code: <u>RECNY</u> Case No	o.:	SAS No.:			SDG No.:		
Matrix Spike - Client Sampl	Le No.: <u>GW-3</u>						
	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %	QC LIMITS		

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0	42.2	84	61 - 145
Trichloroethene	50.0	0	45.3	91	71 - 120
Benzene	50.0	0	50.5	101	76 - 127
Toluene	50.0	0	47.6	95	76 - 125
Chlorobenzene	50.0	0	48.4	97	75 - 130

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QX RPD	C LIMITS REC.
1,1-Dichloroethene Trichloroethene Benzene Toluene Chlorobenzene	50.0	41.8	84	0	14	61 - 145
	50.0	44.0	88	3	14	71 - 120
	50.0	49.9	100	1	11	76 - 127
	50.0	45.6	91	4	13	76 - 125
	50.0	46.2	92	5	13	75 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD:0 out of	<u> </u>	
Spike recovery:	0 out of 10 outside limits	
Comments:		5

EPA ASP 2000 - METHOD 8260 VOLATILES METHOD BLANK SUMMARY

55/299 Client No.

Lab Name: <u>STL Buffalo</u>	Contract:
Lab Code: RECNY Case No.:	SAS No.: SDG No.:
Lab File ID: <u>Q8371.RR</u>	Lab Sample ID: <u>A5B1657702</u>
Date Analyzed: <u>10/24/2005</u>	Time Analyzed: 09:31
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm) Heated Purge: (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

Instrument ID: <u>HP5973Q</u>

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	ENV-1	A5B64906	Q8385.RR	16:10
2	ENV-3R	A5B64907	Q8384.RR	15:42
3	ENV-7	A5B64905	Q8386.RR	16:39
4	ENV-8	A5B64903	Q8388.RR	17:35
5	FB101705	A5B64910	Q8381.RR	14:17
6	FD101705	A5B64909	Q8382.RR	14:46
7	MSB92	A5B1657701	Q8370.RR	09:03
8	TRIP BLANK	A5B64912	Q8373.RR	10:32
9	VHB	A5B64913	Q8372.RR	10:03

Comments:		

EPA ASP 2000 - METHOD 8260 VOLATILES METHOD BLANK SUMMARY

56/299Client No.

Lab	Name: STL Buffa	alo	Contract:	VBLK94
Lab	Code: RECNY	Case No.:	SAS No.:	SDG No.:
Lab	File ID:	Q8414.RR	Lab Sample ID:	A5B1658002

Date Analyzed: <u>10/26/2005</u>

Time Analyzed: 00:31

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID:

HP5973Q

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
2 E 3 G 4 G 5 G	ENV-4 ENV-9 EW-3 GW-3 GW-3	A5B64904 A5B64901 A5B64902 A5B64902MS A5B64902SD A5B1658001	Q8416.RR Q8415.RR Q8417.RR Q8417.RR Q8418.RR Q8419.RR Q8413.RR	01:27 00:59 01:56 02:24 02:52 00:03

Comments:		

EPA ASP 2000 - METHOD 8260 VOLATILES VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

			IS1 (BCM) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DFB) AREA #	RT #
	12 HOUR STD UPPER LIMIT LOWER LIMIT		127357 254714 63679	4.94 5.44 4.44	784632 1569264 392316	8.39 8.89 7.89	847194 1694388 423597	5.77 6.27 5.27
	CLIENT SAMPLE	Lab Sample ID						
1	ENV-1	A5B64906	99221	4.94	619208	8.39	666133	5.78
2	ENV-3R	A5B64907	99810	4.94	618132	8.39	668445	5.78
3	ENV-7	A5B64905	98906	4.94	612769	8.40	663129	5.77
4	ENV-8	A5B64903	98038	4.94	609391	8.39	659762	5.78
5	FB101705	A5B64910	101582	4.94	640472	8.39	693207	5.77
6	FD101705	A5B64909	100274	4.94	633916	8.40	683106	5.78
7	MSB92	A5B1657701	123745	4.94	768266	8.39	844018	5.77
8	TRIP BLANK	A5B64912	113861	4.94	722533	8.39	785235	5.77
9	VBLK92	A5B1657702	121367	4.94	758297	8.39	816884	5.77
10	VHB	A5B64913	118780	4.94	735567	8.39	804101	5.77

AREA UNIT	RT
QC LIMITS	QC LIMITS

IS1 (BCM) = Bromochloromethane (50-200) -0.50 / +0.50 min IS2 (CBZ) = Chlorobenzene-D5 (50-200) -0.50 / +0.50 min IS3 (DFB) = 1,4-Difluorobenzene (50-200) -0.50 / +0.50 min

Column to be used to flag recovery values

^{*} Values outside of contract required QC limits

EPA ASP 2000 - METHOD 8260 VOLATILES VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: <u>STL Buffalo</u>	Con	tract:	Labsampid	: <u>A5C0005701</u>
Lab Code: RECNY	Case No.:	SAS No.:	SDG I	No.:
Lab File ID (Standard):	Q8410_RR	Date	Analyzed:	10/25/2005
Instrument ID: HP5973Q		Time	Analyzed:	<u>22:38</u>
CC Column(1) - DR-624	in. 0.250/mm)	Heat	ed Purge.	CY/N) N

			IS1 (BCM) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DFB) AREA #	RT #
	12 HOUR STD UPPER LIMIT LOWER LIMIT		116985 233970 58493	4.94 5.44 4.44	651180 1302360 325590	8.39 8.89 7.89	738868 1477736 369434	5.77 6.27 5.27
	CLIENT SAMPLE	Lab Sample ID				=======	=======================================	======
1 2 3 4 5 6 7		A5B64904 A5B64901 A5B64902 A5B64902MS A5B64902SD A5B1658001 A5B1658002	103689 105416 101712 101303 102669 111960 106131	4.94 4.94 4.94 4.94 4.94 4.94	545438 543433	8.40 8.39 8.39 8.40 8.39 8.39 8.39	635150 652383 625857 632257 627842 703520 671080	5.77 5.78 5.78 5.78 5.77 5.78 5.77

AREA UNIT QC LIMITS QC LIMITS

-0.50 / +0.50 min -0.50 / +0.50 min -0.50 / +0.50 min IS1 (BCM) = Bromochloromethane
IS2 (CBZ) = Chlorobenzene-D5 (50-200) (50-200) IS3 (DFB) = 1,4-Difluorobenzene (50-200)

[#] Column to be used to flag recovery values* Values outside of contract required QC limits

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

			SAMPI	ED	RECEIVI	⊡
LAB SAMPLE ID	CLIENT SAMPLE ID	<u>MATRIX</u>	DATE	TIME	DATE	TIME
A5B64906	ENV-1	WATER	10/17/2005	15:35	10/17/2005	17:40
A5B64907	ENV-3R	WATER	10/17/2005	16:25	10/17/2005	17:40
A5B64904	ENV-4	WATER	10/17/2005	14:00	10/17/2005	17:40
A5B64905	ENV-7	WATER	10/17/2005	15:10	10/17/2005	17:40
A5B64903	ENV-8	WATER	10/17/2005	13:30	10/17/2005	17:40
A5B64901	ENV-9	WATER	10/17/2005	12:05	10/17/2005	17:40
A5B64910	FB101705	WATER	10/17/2005		10/17/2005	17:40
A5B64909	FD101705	WATER	10/17/2005		10/17/2005	17:40
A5B64902	GW-3	WATER	10/17/2005	12:40	10/17/2005	17:40
A5B64902MS	GW-3	WATER	10/17/2005	12:40	10/17/2005	17:40
A5B64902SD	GW-3	WATER	10/17/2005	12:40	10/17/2005	17:40
A5B64912	TRIP BLANK	WATER	10/17/2005		10/17/2005	17:40

METHODS SUMMARY

Job#: <u>A05-B649</u>

STL Project#: NY4A9203 Site Name:

	ANALYTICAL
PARAMETER	METHOD
EPA ASP 2000 - METHOD 8260 VOLATILES	ASP00 8260

ASP00

"Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: <u>A05-B649</u>

STL Project#: NY4A9203 Site Name:

General Comments

The enclosed data may or may not 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, Dissolved Oxygen, Sulfite, and Temperature 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

A05-B649

Sample Cooler(s) were received at the following temperature(s); $2.0~^{\circ}\text{C}$ Sample GW-3 was listed as GW-7 on the bottles and was logged in according to the chain of custody.

GC/MS Volatile Data

The analyte Acetone was detected in the Field Blank (FB101705) at a level below the project established reporting limit.

All samples were preserved to a pH less than 2.

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 data 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 hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Candace L. Fox Project Manager

Date

Chain Of Custody Documentation

Chain of Custody Record

SEVERN STIL
Severn Trent Laboratories, Inc.

				_	*				ľ	ŀ						ļ				1		!	66/ /	299 	.
	Chain of Custody Number) 0		Special Instructions	Conditions of Receipt														(A fee may be assessed if samples are retained		~ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Holing)	Time	Time),(
ō	Chain o	Page																	be assessed if s	(income)	111	had b)	Date	Date	
	10/17/05	Lab Number	Analysis (Attach list if more space is needed)																(A fee may		7.				
2	Date		Analysis more spac		ism] 5M		×													1. An	BAB /			
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	¥	₩ Y			iers & atives	HO _B N \>AnS HO _B N													ĺ	Spe	1	By My	A A	By	
	TANICA	(Area Code)/Fax Number 231 5738	Lab Contact C. Fox		Containers & Preservatives	HCI HNO3 H52O¢	×	×	×	X	×	×	×	×	×	×	×	×	Me Lys Lessons De La	OC Require		1. Received By	2. Received By	3. Peceived By	\ - -
	NARIA	r (Area Code)//	\$ \$	mber	Matrix	iios pes													Sample Disposal		C 1000	0//	Time	Time	
	Project wanager	Telephone Number	Site Contact W. ARLANC	Carrier/Waybill Number	Mé	ìi.A suo∋upA	×	×	×	×	×	X	×	>	×	×	×	×		┑ .	M Other STANDAM	10 H 0 H) 		
10.00		Telepho	Site Co	 		Time	5021	1240	0251	1400	0151	1535	1625	0591	-		-	1700	umouşur	5		17 Sale	Date	Date	
	HE INC.		Zip Code 15222	NewYork		Date	10/17/45	10/17/05	10[17 W	10/17/05	70/17/01	10/17/05	lolizion.	ाश्तिक	10/17/95	70/17/05	Olifius	10/17/05	a acsina		ys 🔲 21 Days				
STL-4124 (0901)	BLASLAND, BOUCH & LEE	600 WATELFRONT DRUNG	PrtsBurgh Pr Zp 15	Project Name and Location (State)	Contract/Purchase Order/Quote No. Rogect # 58002.094	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	ENV-9	GW-3	ENN-8	ENV-4	EN - 7	ENN-1	ENV-3R	NK-4	FDIO1705	TB101705	FB101705		Possible Hazard Identification Non-Hazard Flammable Suin tritant	e Required	24 Hours	Reinquigned By Color	2. Relinquished By	3. Relinquished By	Comments

Volatiles

QC Summary

EPA ASP 2000 - METHOD 8260 VOLATILES WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: ____ SDG No.: ___ Lab Code: RECNY Case No.: ____ SAS No.: ____

	Client Sample ID	Lab Sample ID	ı	DCE %REC #	TOL %REC #						TOT OUT
1	ENV-1	A5B64906	93	111	97	======	======	======			0
2	ENV-3R	A5B64906 A5B64907	95		99						
7				110		•	1				١٢١
٠,	ENV-4	A5B64904	94	104	99				İ		"
4	ENV-7	A5B64905	93	112	97	i					0
5	ENV-8	A5B64903	94	112	98	1					0
6	ENV-9	A5B64901	94	104	100			İ	1		0
7	FB101705	A5B64910	92	110	98			i -	1		0
8	FD101705	A5B64909	93	112	98	i I	ł	}	ł	ł	0
9	GW-3	A5B64902	94	104	98						0
10	GW-3	A5B64902MS	96	105	99	1	•		:		0
11	GW-3	A5B64902SD	96	103	100						0
12	MSB92	A5B1657701	93	102	98				:		0
13	MSB94	A5B1658001	95	100	100	ļ					0
14	TRIP BLANK	A5B64912	93	106	98						0
15	VBLK92	A5B1657702	92	102	97	<u> </u>					0
16	VBLK94	A5B1658002	95	104	99						0
17	VHB	A5B64913	93	104	100						0

QC LIMITS

BFB = p-Bromofluorobenzene (86-115) = 1,2-Dichloroethane-D4 = Toluene-D8 (76-114) (88-110) DCE TOL

- # Column to be used to flag recovery values
 * Values outside of contract required QC limits
- D Surrogates diluted out

Contract: _____ Lab Samp ID: <u>A5B1657702</u>

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo

Lab Code: <u>RECNY</u> Case No).:	SAS No.: _		SDG No.:		
Matrix Spike - Client Sampl	e No.: <u>VBLK92</u>					
COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.		
1,1-Dichloroethene Trichloroethene Benzene Toluene Chlorobenzene	50.0 50.0 50.0 50.0 50.0 50.0	54.0 50.0 50.7 50.7 50.4	102	71 - 120 76 - 127 76 - 125 77 - 130		
# Column to be used to flag * Values outside of QC limi	-	PD values with ar	n asteris	sk		
~		21				
Spike recovery:0 out o	t <u> </u>	limits				

Contract: _____ Lab Samp ID: A5B1658002

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo

Lab Code: <u>RECNY</u>										
Matrix Spike - Client Sampl										
COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.						
1,1-Dichloroethene Trichloroethene Benzene Toluene Chlorobenzene	50.0 50.0 50.0 50.0 50.0	43.7 44.6 45.0 45.4 46.6	87 89 90	61 - 145 71 - 120 76 - 127 76 - 125 75 - 130						
# Column to be used to flag recovery and RPD values with an asterisk * Values outside of QC limits										
Spike recovery:0 out of5 outside limits Comments:										

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: <u>STL Buffalo</u>		Contract:		Lab Samp ID: <u>A5B64902</u>				
Lab Code: <u>RECNY</u> Case No).:	SAS No.:	·	5	SDG No.	:		
Matrix Spike - Client Sampl	e No.: <u>GW-3</u>							
COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MY CONCENTI UG/	RATION L	MS % REC #	ŀ		
1,1-Dichloroethene Trichloroethene Benzene Toluene Chlorobenzene	50.0 50.0 50.0 50.0 50.0	0 0 0 0 0 0	42 45 50 4	2.2 5.3 0.5 7.6 3.4	84 91 101 95 97	61 - 145 71 - 120 76 - 127 76 - 125 75 - 130		
COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #		# RPD	C LIMITS REC.		
1,1-Dichloroethene Trichloroethene Benzene Toluene Chlorobenzene	50.0 50.0 50.0 50.0 50.0 50.0	41.8 44.0 49.9 45.6 46.2	84 88 100 91 92	0 3 1 4 5	14 14 14 11 13 13	ł		
# Column to be used to flag * Values outside of QC limi RPD:0 out of5 out Spike recovery:0 out of	ts side limits		n asteris	ς				

Comments:

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EPA ASP 2000 - METHOD 8260 VOLATILES METHOD BLANK SUMMARY

Client No.

Lab Name: STL Buffalo	Contract:
Lab Code: <u>RECNY</u> Case No.:	
Lab File ID: <u>Q8371.RR</u>	_ Lab Sample ID: <u>A5B1657702</u>
Date Analyzed: <u>10/24/2005</u>	Time Analyzed: 09:31
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm) Heated Purge: (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

Instrument ID: <u>HP59730</u>

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=======================================	~======	==========	========
1	ENV-1	A5B64906	Q8385.RR	16:10
2	ENV-3R	A5B64907	Q8384.RR	15:42
3	ENV-7	A5B64905	Q8386.RR	16:39
4	ENV-8	A5B64903	Q8388.RR	17:35
5	FB101705	A5B64910	Q8381.RR	14:17
6	FD101705	A5B64909	Q8382.RR	14:46
7	MSB92	A5B1657701	Q8370.RR	09:03
8	TRIP BLANK	A5B64912	Q8373.RR	10:32
9	VHB	A5B64913	Q8372.RR	10:03

Comments:				
		 ·	 	

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EPA ASP 2000 - METHOD 8260 VOLATILES METHOD BLANK SUMMARY

Client No.

Lab Name: <u>STL Buffalo</u>	Contract:VBLK94
Lab Code: <u>RECNY</u> Case No.:	SAS No.: SDG No.:
Lab File ID: <u>Q8414.RR</u>	Lab Sample ID: <u>A5B1658002</u>
Date Analyzed: <u>10/26/2005</u>	Time Analyzed: 00:31
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm) Heated Purge: (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

Instrument ID: <u>HP5973Q</u>

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=======================================	========	=========	========
1	ENV-4	A5B64904	Q8416.RR	01:27
2	ENV-9	A5B64901	Q8415.RR	00:59
3	GW-3	A5B64902	Q8417.RR	01:56
4	GW-3	A5B64902MS	Q8418.RR	02:24
5	GW-3	A5B64902SD	Q8419.RR	02:52
6	MSB94	A5B1658001	Q8413.RR	00:03

Comments:						

BLASLAND BOUCK & LEE ENGINEERING VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: <u>STL Buffalo</u> Contract: _____ Tune ID: <u>A5T0002904</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Lab File ID: Q8325 BFB Injection Date: 10/21/2005

Instrument ID: <u>HP5973Q</u> BFB Injection Time: <u>13:31</u>

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	l .	lative ndance	
75 95 96 173 174 175	8.0 - 40.0% of mass 95 30.0 - 66.0% of mass 95 Base peak, 100% relative abundance 5.0 - 9.0% of mass 95 Less than 2.0% of mass 174 50.0 - 120.0% of mass 95 4.0 - 9.0% of mass 174 93.0 - 101.0% of mass 174 5.0 - 9.0% of mass 176	71.3	(0.0) (5.8) (97.8) (5.9)	1 1 1 2

1-Value is % mass 174

2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client	Lab	Lab	Date	Time
	Sample No.	Sample ID	File ID	Analyzed	Analyzed
2 3 4	VSTD200 VSTD100 VSTD050 VSTD020 VSTD010	A5I0002197-1 A5I0002197-1 A5I0002197-1 A5I0002197-1 A5I0002197-1	Q8327.RR Q8328.RR Q8329.RR	10/21/2005 10/21/2005 10/21/2005 10/21/2005 10/21/2005	14:23 14:52 15:20 15:48 16:16

BLASLAND BOUCK & LEE ENGINEERING VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: <u>STL Buffalo</u> Contract: _____ Tune ID: <u>A5T0002968</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Lab File ID: Q8368 BFB Injection Date: 10/24/2005

Instrument ID: <u>HP5973Q</u> BFB Injection Time: <u>08:03</u>

GC Column: $\underline{DB-624}$ ID: $\underline{0.25}$ (mm) Heated Purge: (Y/N): \underline{N}

m/e	ION Abundance Criteria	1	lative ndance	
75 95 96 173 174 175	8.0 - 40.0% of mass 95 30.0 - 66.0% of mass 95 Base peak, 100% relative abundance 5.0 - 9.0% of mass 95 Less than 2.0% of mass 174 50.0 - 120.0% of mass 95 4.0 - 9.0% of mass 174 93.0 - 101.0% of mass 174 5.0 - 9.0% of mass 176	5	(0.4) (5.3) (97.2) (7.0)	1 1 1 2

1-Value is % mass 174

2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A5C0005700-1	Q8369.RR	10/24/2005	08:28
2	MSB92	A5B1657701	Q8370.RR	10/24/2005	09:03
3	VBLK92	A5B1657702	Q8371.RR	10/24/2005	09:31
4	VHB	A5B64913	Q8372.RR	10/24/2005	10:03
5	TRIP BLANK	A5B64912	Q8373.RR	10/24/2005	10:32
6	FB101705	A5B64910	Q8381.RR	10/24/2005	14:17
7	FD101705	A5B64909	Q8382.RR	10/24/2005	14:46
8	ENV-3R	A5B64907	Q8384.RR	10/24/2005	15:42
9	ENV-1	A5B64906	Q8385.RR	10/24/2005	16:10
10	ENV-7	A5B64905	Q8386.RR	10/24/2005	16:39
11	ENV-8	A5B64903	Q8388.RR	10/24/2005	17:35

BLASLAND BOUCK & LEE ENGINEERING VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: <u>STL Buffalo</u> Contract: _____ Tune ID: <u>A5T0002953</u>

Lab File ID: <u>Q8407</u> BFB Injection Date: <u>10/25/2005</u>

Instrument ID: <u>HP5973Q</u> BFB Injection Time: <u>18:31</u>

GC Column: $\underline{DB-624}$ ID: $\underline{0.25}$ (mm) Heated Purge: (Y/N): \underline{N}

m/e	ION Abundance Criteria		lative ndance	
75 95 96 173 174 175 176	8.0 - 40.0% of mass 95 30.0 - 66.0% of mass 95 Base peak, 100% relative abundance 5.0 - 9.0% of mass 95 Less than 2.0% of mass 174 50.0 - 120.0% of mass 95 4.0 - 9.0% of mass 174 93.0 - 101.0% of mass 174 5.0 - 9.0% of mass 176	71.7 6.3 69.2	(0.0) (8.8) (96.5) (5.9)	1 1 1 2

1-Value is % mass 174

2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD200	A5I0002220-1	Q8408.RR	10/25/2005	21:41
2	VSTD100	A5I0002220-1	Q8409.RR	10/25/2005	22:10
3	VSTD050	A5C0005701-1	Q8410.RR	10/25/2005	22:38
4	VSTD050	A5I0002220-1	Q8410.RR	10/25/2005	22:38
5	VSTD020	A5I0002220-1	Q8411.RR	10/25/2005	23:06
6	VSTD010	A5I0002220-1	Q8412.RR	10/25/2005	23:34
7	MSB94	A5B1658001	Q8413.RR	10/26/2005	00:03
8	VBLK94	A5B1658002	Q8414.RR	10/26/2005	00:31
9	ENV-9	A5B64901	Q8415.RR	10/26/2005	00:59
10	ENV-4	A5B64904	Q8416.RR	10/26/2005	01:27
11	GW-3	A5B64902	Q8417.RR	10/26/2005	01:56
12	GW-3	A5B64902MS	Q8418.RR	10/26/2005	02:24
13	GW-3	A5B64902SD	Q8419.RR	10/26/2005	02:52

EPA ASP 2000 - METHOD 8260 VOLATILES VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

 Lab Name: STL Buffalo
 Contract: _______ Labsampid: A5C0005700

 Lab Code: RECNY
 Case No.: ______ SAS No.: ______ SDG No.: ______

 Lab File ID (Standard): Q8369.RR
 Date Analyzed: 10/24/2005

 Instrument ID: HP5973Q
 Time Analyzed: 08:28

 GC Column(1): D8-624
 ID: 0.250(mm)

 Heated Purge: (Y/N) N

			IS1 (BCM) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DFB) AREA #	RT #
	12 HOUR STD		127357	4.94	784632	8.39	847194	5.77
	UPPER LIMIT		254714	5.44	1569264	8.89	1694388	6.27
	LOWER LIMIT		63679	4.44	392316	7.89	423597	5.27
	=======================================	=========	==========	======	==========	======	=========	======
	CLIENT SAMPLE	Lab Sample ID						
	=======================================	=========	=======================================	======	==========	======	========	======
1	ENV-1	A5B64906	99221	4.94	619208	8.39	666133	5.78
2	ENV-3R	A5B64907	998 10	4.94	618132	8.39	668445	5.78
3	ENV-7	A5B64905	98906	4.94	612769	8.40	663129	5.77
4	ENV-8	A5B64903	98038	4.94	609391	8.39	659762	5.78
5	FB101705	A5B64910	101582	4.94	640472	8.39	693207	5.77
5	FD101705	A5864909	100274	4.94	633916	8.40	683106	5.78
7	MSB92	A5B1657701	123745	4.94	768266	8.39	844018	5.77
3	TRIP BLANK	A5B64912	113861	4.94	722533	8.39	785235	5.77
9	VBLK92	A5B1657702	121367	4.94	758297	8.39	816884	5.77
0	VHB	A5B64913	118780	4.94	735567	8.39	804101	5.77

AREA UNIT RT
QC LIMITS QC LIMITS

IS1 (BCM) = Bromochloromethane (50-200) -0.50 / +0.50 min IS2 (CBZ) = Chlorobenzene-D5 (50-200) -0.50 / +0.50 min IS3 (DFB) = 1,4-Difluorobenzene (50-200) -0.50 / +0.50 min

Column to be used to flag recovery values

^{*} Values outside of contract required QC limits

EPA ASP 2000 - METHOD 8260 VOLATILES VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: <u>STL Buffalo</u>	Cor	ntract:	Labsampid:	<u>A5C0005701</u>
Lab Code: <u>RECNY</u>	Case No.:	SAS No.:	SDG N	o.:
Lab File ID (Standard)): <u>Q8410.RR</u>	Date	Analyzed:	10/25/2005
Instrument ID: HP5973Q	-	Time	Analyzed:	22:38
GC Column(1): <u>DB-624</u>	ID: 0.250(mm)	Heat	ed Purge:	(Y/N) <u>N</u>

	***		IS1 (BCM) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DFB) AREA #	RT #
	12 HOUR STD UPPER LIMIT LOWER LIMIT		116985 233970 58493	4.94 5.44 4.44	651180 1302360 325590	8.39 8.89 7.89	738868 1477736 369434	5.77 6.27 5.27
	CLIENT SAMPLE	Lab Sample ID	=======================================	======	***********	======		======
3 4 5	ENV-4 ENV-9 GW-3 GW-3 GW-3 MSB94 VBLK94	A5B64904 A5B64901 A5B64902 A5B64902MS A5B64902SD A5B1658001 A5B1658002	103689 105416 101712 101303 102669 111960 106131	4.94 4.94 4.94 4.94 4.94 4.94	564030 548713 545438 543433 609884	8.40 8.39 8.39 8.40 8.39 8.39	627842 703520	5.77 5.77 5.78 5.78 5.77 5.78 5.77

AREA UNIT RT QC LIMITS QC LIMITS

-0.50 / +0.50 min -0.50 / +0.50 min -0.50 / +0.50 min IS1 (BCM) = Bromochloromethane
IS2 (CBZ) = Chlorobenzene-D5 (50-200) (50-200) IS3 (DFB) = 1,4-Difluorobenzene (50-200)

[#] Column to be used to flag recovery values* Values outside of contract required QC limits

Compare Client DL for PROJECT NY4A9203 and Task 1 to Lab MDL

Page: 1 Rept: AN1368

PROTOCOL: ASP00 For FRACTIONS: MV For METHOD: 8260

Laboratory: A

Date: 11/01/2005 Time: 19:53:37 Project Manager: CLF

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Client Name Project No	No Parameter	Type Protcl Method	Test M UM CDL	TDL	MDL X I
Fraction: MV					
Blasland Bouck & Lee En NY4A9203	1 1,1,1-Trichloroethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.26495 N
Blasland Bouck & Lee En NY4A9203	1 1,1,2,2-Tetrachloroethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.48465 N
Blasland Bouck & Lee En NY4A9203	1 1,1,2-Trichloro-1,2,2-trifluoroethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.54562 N
Blasiand Bouck & Lee En NY4A9203	1 1,1,2-Trichloroethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.41896 N
Blasland Bouck & Lee En NY4A9203	1 1,1-Dichloroethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.27344 N
Blasland Bouck & Lee En NY4A9203	1 1,1-Dichloroethene	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.29324 N
Blasland Bouck & Lee En NY4A9203	1 1,2,4-Trichlorobenzene	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.40765 N
Blasland Bouck & Lee En NY4A9203	1 1,2-Dibromo-3-chloropropane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.46674 N
Blasland Bouck & Lee En NY4A9203	1 1,2-Dibromoethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.41645 N
Blasland Bouck & Lee En NY4A9203	1 1,2-Dichlorobenzene	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.40105 N
Blasland Bouck & Lee En NY4A9203	1 1,2-Dichloroethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.45794 N
Blasland Bouck & Lee En NY4A9203	1 1,2-Dichloropropane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.33190 N
Blasland Bouck & Lee En NY4A9203	1 1,3-Dichlorobenzene	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.33096 N
Blasland Bouck & Lee En NY4A9203	1 1,4-Dichlorobenzene	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.36899 N
Blasland Bouck & Lee En NY4A9203	1 2-Butanone	CRQL ASP00 8260	STA01169 W UG/L	10.0000	2.48674 N
Blasland Bouck & Lee En NY4A9203	1 2-Hexanone	CRQL ASP00 8260	STA01169 W UG/L	10.0000	2.38711 N
Blasiand Bouck & Lee En NY4A9203	1 4-Methyl-2-pentanone	CRQL ASP00 8260	STA01169 W UG/L	10.0000	2.33776 N
Blasland Bouck & Lee En NY4A9203	1 Acetone	CRQL ASP00 8260	STA01169 W UG/L	10.0000	2.47794 N
Blasland Bouck & Lee En NY4A9203	1 Benzene	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.35013 N
Blasland Bouck & Lee En NY4A9203	1 Bromodichloromethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.38565 N
Blasland Bouck & Lee En NY4A9203	1 Bromoform	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.25741 N
Blasland Bouck & Lee En NY4A9203	1 Bromomethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.28161 N
Blasland Bouck & Lee En NY4A9203	1 Carbon Disulfide	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.47585 N
Blasland Bouck & Lee En NY4A9203	1 Carbon Tetrachloride	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.26653 N
Blasland Bouck & Lee En NY4A9203	1 Chlorobenzene	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.31744 N
Blasland Bouck & Lee En NY4A9203	1 Chloroethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.32373 N
Blasland Bouck & Lee En NY4A9203	1 Chloroform	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.33567 N
Blasland Bouck & Lee En NY4A9203	1 Chloromethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.34573 N
Blastand Bouck & Lee En NY4A9203	1 Cyclohexane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.53400 N
Biasland Bouck & Lee En NY4A9203	1 Dibromochloromethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.32247 N
Blasland Bouck & Lee En NY4A9203	1 Dichlorodifluoromethane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.28538 N
Blasland Bouck & Lee En NY4A9203	1 Ethylbenzene	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.34416 N
Blasland Bouck & Lee En NY4A9203	1 Isopropylbenzene	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.31870 N 0
Blasland Bouck & Lee En NY4A9203	1 Methyl acetate		STA01169 W UG/L	10.0000	2 N 92677 O
Lee	1 Methyl-t-Butyl Ether (MTBE)	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.47931 N 66
Blasland Bouck & Lee En NY4A9203	1 Methylcyclohexane	CRQL ASP00 8260	STA01169 W UG/L	10.0000	0.49502 N

E - TDL>CDL (TDL Type CDL)

M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL)

* - TDL=0 or MDL=0

N - MDL "Not Found"

ET - Exception Types:

 \underline{M} - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL)

E - TDL>CDL (TDL Type CDL)

* - TDL=0 or MDL=0

N - MDL "Not Found"

ET - Exception Types:

Date: 11/01/2005 Time: 19:53:37

Page: 2 Rept: AN1368

Compare Client DL for PROJECT NY4A9203 and Task 1 to Lab MDL

PROTOCOL: ASP00

For METHOD: 8260

For FRACTIONS: MV

Laboratory: A

Project Manager: CLF

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	Tsk	TDL	F			ш
Client Name Project No No	t No No Parameter	Type Protcl Method	Test M UM	COL	TDL	MDL X I
Blasland Bouck & Lee En NY4A9203	.03 1 Methylene chloride	CRQL ASP00 8260	STA01169 W UG/L		10.0000	0.43845 N
Blasland Bouck & Lee En NY4A9203	.03 1 Styrene	CRQL ASP00 8260	STA01169 W UG/L		10.0000	0.31367 N
Blasland Bouck & Lee En NY4A9203	:03 1 Tetrachloroethene	CRGL ASP00 8260	STA01169 W UG/L		10.00000	0.36490 N
Blasland Bouck & Lee En NY4A9203	.03 1 Toluene	CRQL ASP00 8260	STA01169 W UG/L		10.00000	0.34887 N
Blasland Bouck & Lee En NY4A9203	:03 1 Total Xylenes	CRQL ASP00 8260	STA01169 W UG/L		10.0000	0.93096 N
Blasland Bouck & Lee En NY4A9203	.03 1 Trichloroethene	CRQL ASP00 8260	STA01169 W UG/L		10.0000	0.32436 N
Blasland Bouck & Lee En NY4A9203	103 1 Trichlorofluoromethane	CRQL ASP00 8260	STA01169 W UG/L		10.0000	0.36082 N
Blasland Bouck & Lee En NY4A9203	103 1 Vinyl chloride	CRQL ASP00 8260	STA01169 W UG/L		10.0000	0.24264 N
Blasland Bouck & Lee En NY4A9203	:03 1 cis-1,2-Dichloroethene	CRQL ASP00 8260	STA01169 W UG/L		10.0000	0.36585 N
Blasland Bouck & Lee En NY4A9203	.03 1 cis-1,3-Dichloropropene	CRQL ASP00 8260	STA01169 W UG/L		10.0000	0.35516 N
Blasland Bouck & Lee En NY4A9203	.03 1 trans-1,2-Dichloroethene	CRQL ASP00 8260	STA01169 W UG/L		10.0000	0.33253 N
Blastand Bouck & Lee En NY4A9203	.03 1 trans-1,3-Dichloropropene	CRQL ASP00 8260	STA01169 W UG/L		10.00000	0.36836 N

Sample Data

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

		 	•
-	ENV-1		

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64906

Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$ Lab File ID: $\underline{\text{Q8385.RR}}$

Level: (low/med) Low Date Samp/Recv: $\underline{10/17/2005}$ $\underline{10/17/2005}$

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/24/2005

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg)	TS: UG/L	0
CAD NO.			<u> </u>	
74-87-3	Chloromethane		10	Ū
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	\U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
	1,2-Dichloropropane		10	U
10061-01-5-	cis-1,3-Dichloropropene		10	U
	Trichloroethene		10	U
124-48-1	Dibromochloromethane		10	U
	1,1,2-Trichloroethane		10	U
71-43-2			10	U
10061-02-6-	trans-1,3-Dichloropropene		10	U
75-25-2	Bromoform		10	ט
108-10-1	4-Methyl-2-pentanone		10	U
	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
108-88-3	Toluene		10	ע
79-34-5	1,1,2,2-Tetrachloroethane		10	ט
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5			10	U
1330-20-7	Total Xylenes		10	U
	Dichlorodifluoromethane		10	U
75-69-4	Trichlorofluoromethane		10	U
	4			I

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Inh Name CTT Duffalo Contract		ENV-1		
Lab Name: STL Buffalo Contract:				
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample II): <u>A5B649</u>	06	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	<u>0</u> 8385.	RR	
Level: (low/med) <u>LOW</u>	Date Samp/Red	v: <u>10/17/</u>	2005 <u>10/</u>	17/2005
% Moisture: not dec Heated Purge: N	Date Analyzed	d: <u>10/24/</u>	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Fact	or: <u>1.</u>	00	
Soil Extract Volume: (uL)	Soil Aliquot	Volume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		10 10 10 10 10 10 10 10 10 10 10	ממממממממממממ	

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EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client :	No.
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Lab Name:	STL Buffalo	Contract:				
Lab Code:	<u>RECNY</u> Case No	.: SAS No.:	SDG No.:			
Matrix:	(soil/water) <u>WATER</u>		Lab Sampi	le ID: <u>A5B649</u>	906	
Sample wt	:/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File	ID: <u>Q8385</u> .	RR	_
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/17/</u>	<u>′2005</u> <u>10</u>	0/17/2005
% Moistur	re: not dec	- -	Date Ana	lyzed: <u>10/24/</u>	<u>′2005</u>	
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor: 1.	.00	
Soil Extr	ract Volume:	(uL)	Soil Alio	quot Volume:	 	(uL)
Number TI	Cs found:0		CONCENTRATION (ug/L or 1	ION UNITS: ug/Kg) <u>UG/L</u>	-	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\102405\Q8385.D

Acq On : 24 Oct 2005 16:10

Operator: JMB Sample : A5B64906 Inst : HP5973 Q

Misc

MS Integration Params: rteint.p

Quant Results File: A5I02197.RES

Multiplr: 1.00

Vial: 18

Quant Time: Oct 24 23:06 2005

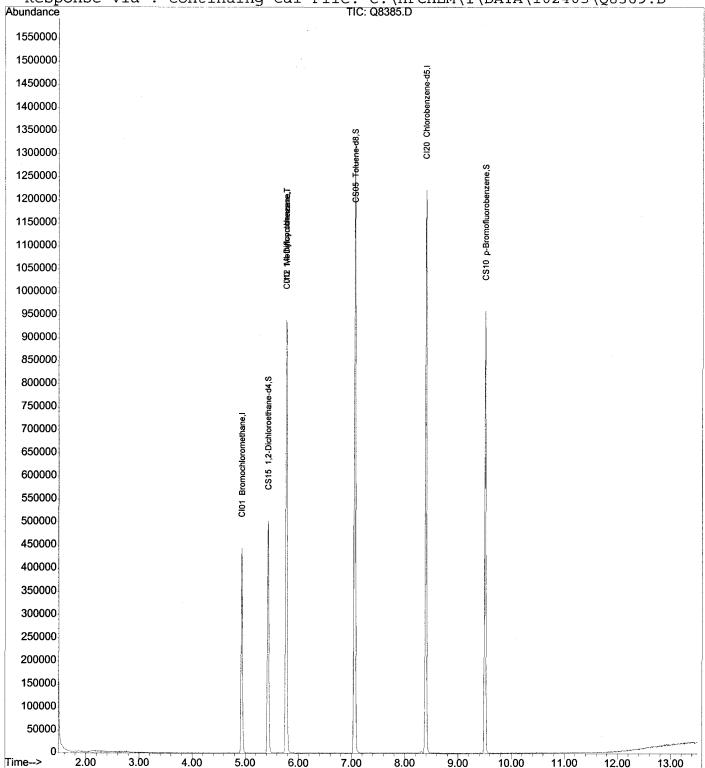
: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Method Title

: CLPOLM04.2 WATERS

: Mon Oct 24:23:05:09 2005 Last Update

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102405\Q8369.D



STL Buffalo

Data File : C:\HPCHEM\1\DATA\102405\Q8385.D Vial: 18 : 24 Oct 2005 16:10 Acq On Operator: JMB Sample : A5B64906

Inst : HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 24 23:06 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

: CLPOLM04.2 WATERS Title

Last Update : Mon Oct 24 23:05:09 2005

anymy was for Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102405\Q8369.D (24 Oct 2005

Internal Standards			_		its Dev(Min) Rcv(Ar)
1) CI01 Bromochloromethane					
22) CI10 1,4-Difluorobenzene	5.78	114	666133	250.00	ng 0.00 78.63%
36) CI20 Chlorobenzene-d5	8.39	117	619208	250.00 i	ng 0.00 78.92%
System Monitoring Compounds 19) CS15 1,2-Dichloroethane-d	5.43	65	365706	277.28 1	ng 0.00
Spiked Amount 250.000 Rang	re 76	- 114	Recove	ry = :	110.91%
42) CS05 Toluene-d8 Spiked Amount 250.000 Rang	7.06	98	828412	242.75 1	ng 0.00
48) CS10 p-Bromofluorobenzene	9 51	- 110 95	318799	533 68 a	97.108
Spiked Amount 250.000 Rang	re 86	- 115	Recove	ry =	93.47%
Target Compounds					Qvalue
2) C290 Dichlorodifluorometh	0.00	85	0	N.D.	£
3) C010 Chloromethane		50	129	N.D.	
4) C015 Bromomethane	0.00	94	0 0	N.D.	
5) C020 Vinyl Chloride	0.00	62	0	N.D.	
6) C025 Chloroethane 7) C030 Methylene Chloride 8) C035 Acetone	2.32	64	1666	N.D.	
7) C030 Methylene Chloride	0.00	84			
8) C035 Acetone	3.20	43	645		
9) C040 Carbon Disulfide			0	N.D.	
10) C275 Trichlorofluorometha			0	N.D.	
11) C045 1,1-Dichloroethene	0.00		0	N.D.	
12) C291 1,1,2-Trichloro-1,2,	0.00		0	N.D.	
13) C962 T-butyl methyl ether 14) C050 1,1-Dichloroethane	0.00		0	N.D.	
14) C050 1,1-Dichloroethane	0.00	63	0	N.D.	
15) C255 Methyl Acetate 16) C057 trans-1,2-dichloroet	3.20	43	645	N.D.	
16) C057 trans-1,2-dichloroet 17) C056 cis-1,2-Dichloroethe	0.00	96	0		
17) C056 cis-1,2-Dichloroethe 18) C060 Chloroform	0.00		0		
20) C065 1,2-Dichloroethane			0 0	N.D.	
21) C110 2-Butanone	0.00	62 43	0	N.D. N.D.	
23) C256 Cyclohexane	0.00	43 56	0	N.D.	
24) C012 Methylcyclohexane	5.77	8 <u>3</u>	10621	7.15 r	na #28
25) C115 1,1,1-Trichloroethan	0.00	<u> </u>	0	N.D.	is # Zo
26) C120 Carbon Tetrachloride	0.00	117	Ŏ 	N.D.	M

HP5973-Q

STL Buffalo

Data File : C:\HPCHEM\1\DATA\102405\Q8385.D

Vial: 18 : 24 Oct 2005 16:10 Acq On Operator: JMB

Sample : A5B64906 Inst : HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 24 23:06 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

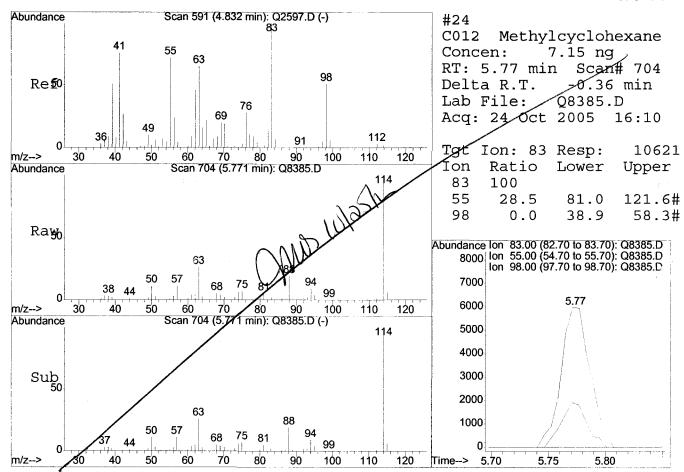
Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth : VOA

	Compound			QIon	Response	Conc Unit	Qvalue
27)	C130	Bromodichloromethane	7.06	83	743	N.D.	
28)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
29)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
30)	C150	Trichloroethene	0.00	130	0	N.D.	
31)	C165	Benzene	0.00	78	0	N.D.	
32)	C155	Dibromochloromethane	0.00	129	0	N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
34)		1,1,2-Trichloroethan		97		N.D.	
35)		Bromoform	0.00	173		N.D.	
37)		1,2-Dibromoethane		107		N.D.	
	C210	<u> </u>				N.D.	
	C215	2-Hexanone		43		N.D.	
40)				164		N.D.	
41)		1,1,2,2-Tetrachloroe				N.D.	
43)		Toluene		91	496	N.D.	
44)		Chlorobenzene	0.00	112		N.D.	
45)			0.00	106		N.D.	
	C246		0.00	106		N.D.	
47)		-	9.51	106		N.D.	
	C245		9.50	104		N.D.	
50)		Isopropylbenzene		105		N.D.	
51)	C260	1,3-Dichlorobenzene		146		N.D.	
	C267	1,4-Dichlorobenzene		146		N.D.	
	C249	1,2-Dichlorobenzene			0	N.D.	
54)		-	0.00		0	N.D.	
55)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	



HP5973-Q



Tentatively Identified Compound (LSC) summary

Operator ID: JMB Date Acquired: 24 Oct 2005 16:10

Data File: C:\HPCHEM\1\DATA\102405\Q8385.D

Name: A5B64906

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

Title: CLPOLM04.2 WATERS
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
O8385.D A5I02197.M		Wed Oct 26 11:5	5:01 2	005	HP5973-	-O	

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

ENV-3R	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64907

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/17/2005</u> <u>10/17/2005</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/24/2005

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

		CONCENTRATION	UNITS:		
CAS NO.	COMPOUND	(ug/L or ug/K	g)	UG/L	Q
74-87-3	Chloromethane			10	บ
74-83-9	Bromomethane			10	ש
75-01-4	Vinyl chlori de			73	
75-00-3	Chloroethane			10	U
75-09-2	Methylene chloride			10	ש
67-64-1	Acetone			10	U
75-15-0	Carbon Disulfide			10	U
75-35-4	1,1-Dichloroethene			10	U
75-34-3	1,1-Dichloroethane			24	
67-66-3	Chloroform			10	U
107-06-2	1,2-Dichloroethane			10	U
78-93-3	2-Butanone			10	U
71-55-6	1,1,1-Trichloroethane			2	J
56-23-5	Carbon Tetrachloride			10	U
75-27-4	Bromodichloromethane			10	U
78-87-5	1,2-Dichloropropane	12		10	U
10061-01-5	cis-1,3-Dichloropropene			10	U
	Trichloroethene			9	J
124-48-1	Dibromochloromethane			10	ש
79-00-5	1,1,2-Trichloroethane			10	U
71-43-2				10	U
10061-02-6	trans-1,3-Dichloropropene			10	U
75-25-2	Bromoform			10	υ
108-10-1	4-Methyl-2-pentanone			10	U
591-78-6	<u></u>			10	υ
127-18-4	Tetrachloroethene			2	J
108-88-3	Toluene			10	שו
79-34-5	1,1,2,2-Tetrachloroethane			10	ט י
	Chlorobenzene			10	ט
100-41-4	Ethylbenzene			1	J
100-42-5	Styrene			10	U
	Total Xylenes			1	J
	Dichlorodifluoromethane			10	U
75-69-4	Trichlorofluoromethane			10	U

92/299

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

I ab Name - CUI Duffalo - Contract		ENV-3	R	
Lab Name: STL Buffalo Contract:				
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID	: <u>A5B649</u>	07	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	<u>Q8384</u> .	RR	-
Level: (low/med) <u>LOW</u>	Date Samp/Rec	v: <u>10/17/</u>	<u> 2005</u> <u>10/</u>	17/2005
% Moisture: not dec Heated Purge: N	Date Analyzed	: <u>10/24/</u>	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Fact	or: <u>1.</u>	<u>00</u>	
Soil Extract Volume: (uL)	Soil Aliquot	Volume:	((uL)
	CONCENTRATION UNI (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-trifluor 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		10 10 10 39 10 10 10 10 10 10 10	מממממממ מממ	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buffalo Contract:	ENV-3R
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>A5B64907</u>
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID: <u>Q8384.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/17/2005</u> <u>10/17/2005</u>
% Moisture: not dec	Date Analyzed: <u>10/24/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Number TICs found: <u>1</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.55	7	J

Data File : C:\HPCHEM\1\DATA\102405\Q8384.D Acq On : 24 Oct 2005 15:42

Operator: JMB Sample : A5B64907 Inst : HP5973 Q

Misc

Multiplr: 1.00

MS Integration Params: rteint.p Quant Time: Oct 24 23:06 2005

Quant Results File: A5I02197.RES

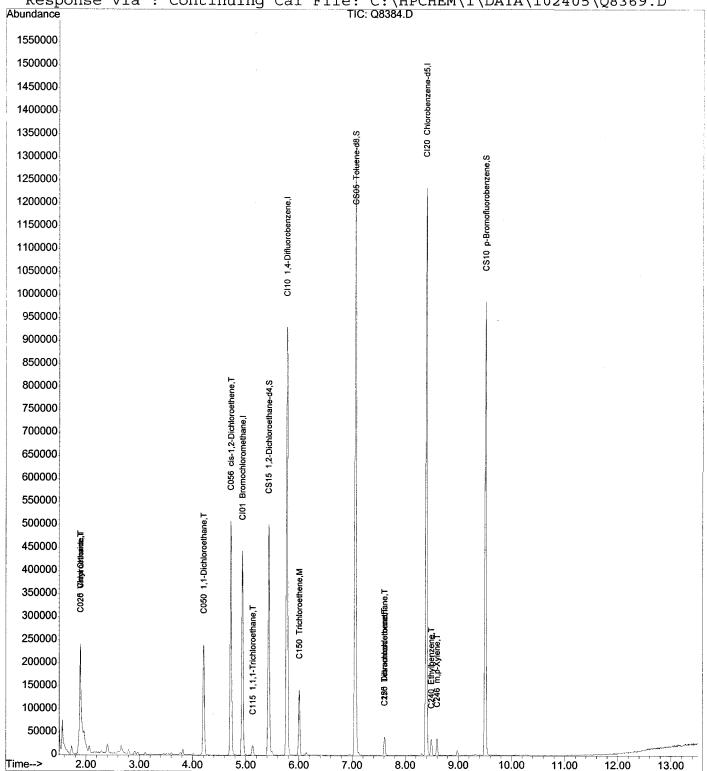
Vial: 17

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

: Mon Oct 24 23:05:09 2005 Last Update

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102405\Q8369.D



STL Buffalo

Vial: 17

Data File : C:\HPCHEM\1\DATA\102405\Q8384.D

: 24 Oct 2005 15:42 Acq On

Operator: JMB Sample : A5B64907 Inst: HP5973 Q

Misc Multiplr: 1.00

MS Integration Params: rteint.p Quant Time: Oct 24 23:06 2005

Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

Response via: Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102405\Q8369.D (24 Oct 2005

Inte	rnal S	tandards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1)	CI01	Bromochloromethane	4.94	128	99810	250.00 ng	0.00 78.37%
22)	CI10	1,4-Difluorobenzene	5.78	114	668445	250.00 ng	0.00
261	CTOO	Chlorobongono de	0 20	117	610122	250 00	78.90%
36)	CI20	Chlorobenzene-d5	8.39	117	618132	250.00 ng	0.00 78.78%
							70.70%
Syst	em Mon:	itoring Compounds					
19)	CS15	1,2-Dichloroethane-d		65		275.65 ng	0.00
		mount 250.000 Range					.26%
		Toluene-d8	7.06			247.51 ng	0.00
		mount 250.000 Range					.00%
		-	9.51				
Sp	iked Ai	mount 250.000 Range	e 86	- 115	Recove	ry = 94	.91%
Такс	et Com	oounda					Qvalue
		Dichlorodifluorometh	0.00	85	0	N.D.	Qvarue
		Chloromethane	1.86	50	2035	N.D.	
	C015		0.00	94	0	N.D.	
	C020		1.89	62	321948	366.25 ng	98
		Chloroethane	1.89		111769	236.33 ng	-# 41
7)	C030	Methylene Chloride	3.60	84	1039	N.D.	
8)	C035	Acetone	3.20	43	1889	N.D.	
9)	C040	Carbon Disulfide	3.33	76	131	N.D.	
10)		Trichlorofluorometha	0.00	101	0	N.D.	
11)		1,1-Dichloroethene	3.11	96	1841	N.D.	
	C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
	C962	T-butyl methyl ether	0.00	73	0	N.D.	
	2C050	1,1-Dichloroethane	4.21	63	234932	120.89 ng	99
	C255	Methyl Acetate	3.45		132	N.D.	
	C057	trans-1,2-dichloroet	3.82		4570	N.D.	
A	C056	cis-1,2-Dichloroethe	4.72		195773	193.88 ng	95
-	C060	Chloroform	0.00 5.49	83	0	N.D.	
	C065	1,2-Dichloroethane		62	6449	N.D.	Α
	C110 C256	2-Butanone Cyclohexane	4.74 5.15	43 56	194 991	N.D.	
24)		<u> </u>	6.14		2315	N.D. N.D.	13/1/20
(25)	C115		5.12		16125	10.07 ng	03'' 91
	C120		5.14	117	1101	N.D.	
		ifier out of range (m)					

Quantitation Report STL Buffalo

Data File : C:\HPCHEM\1\DATA\102405\Q8384.D

Vial: 17 Acq On : 24 Oct 2005 15:42 Operator: JMB

Sample : A5B64907 Inst: HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 24 23:06 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

: CLPOLM04.2 WATERS Title

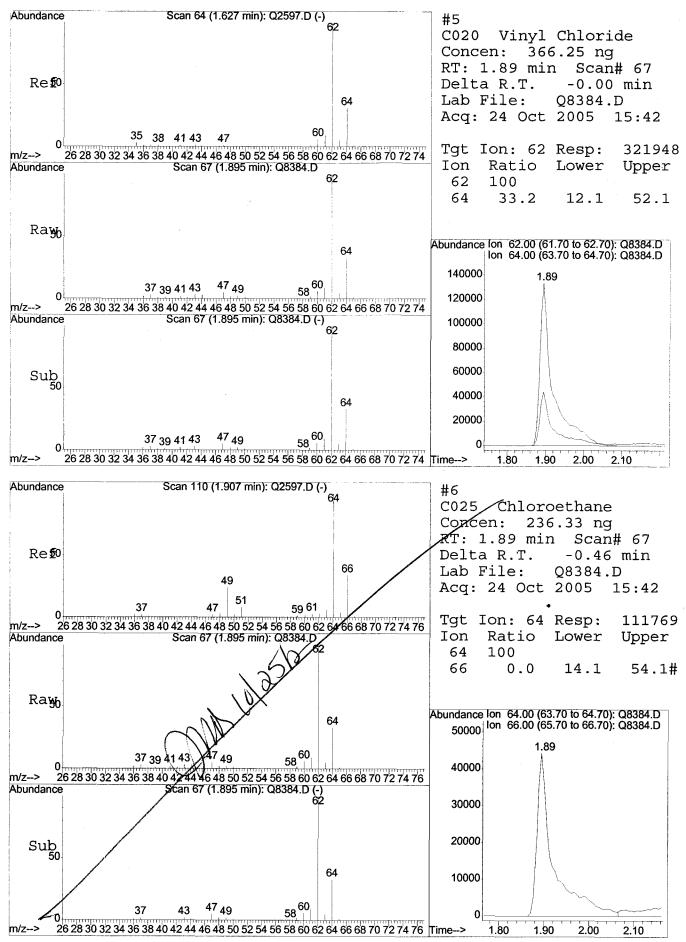
Last Update : Mon Oct 24 23:05:09 2005

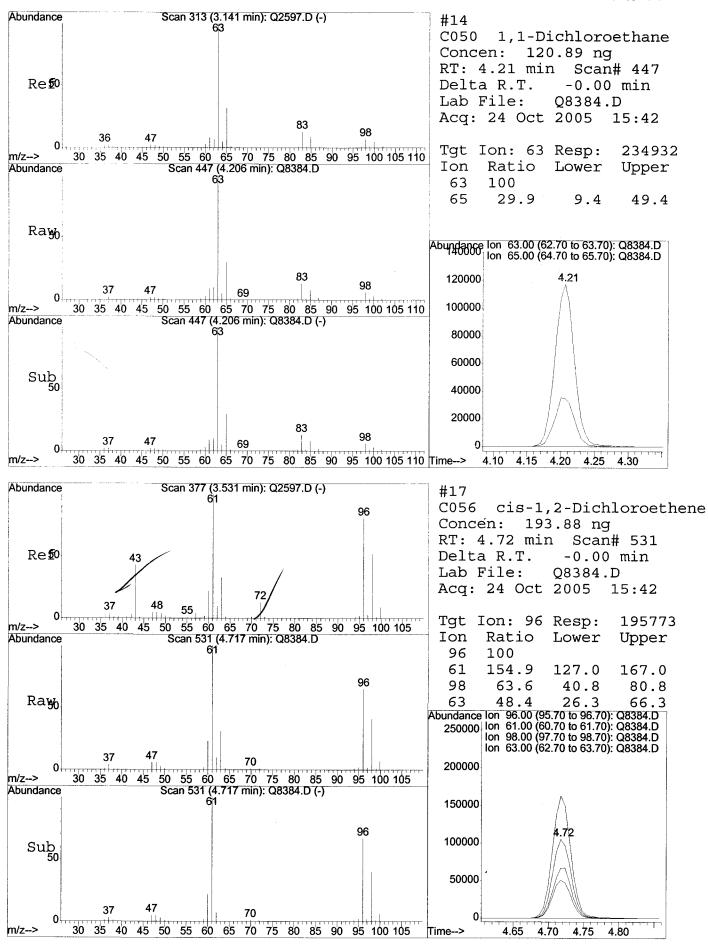
Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

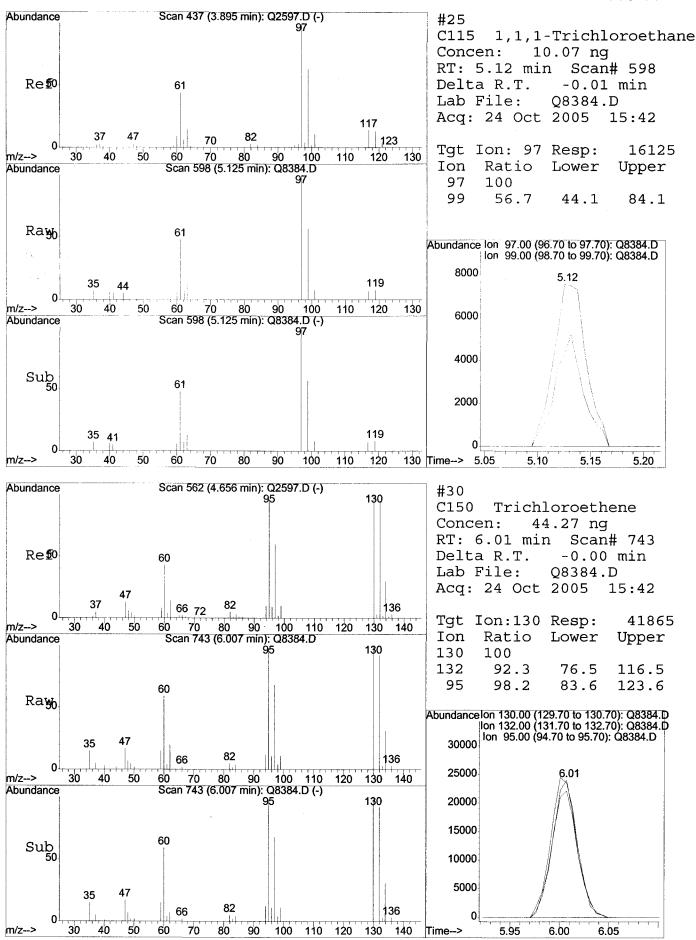
DataAcq Meth : VOA

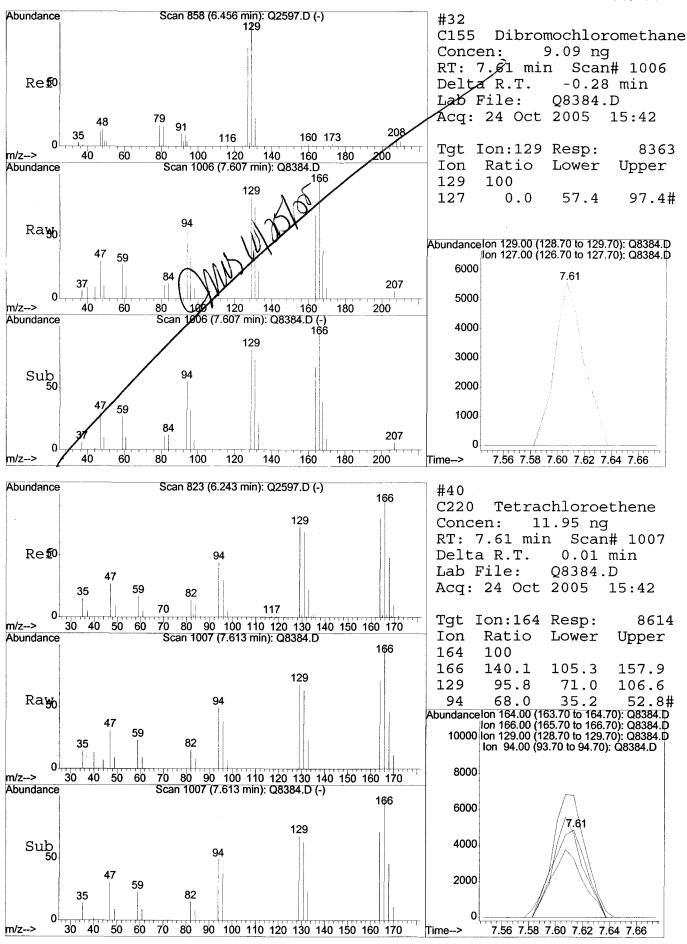
	Compo	und	R.T.	QIon	Response	Conc Unit	Qva	lue
27)		Bromodichloromethane	6.14	83	2315	N.D.		
28)	C140	1,2-Dichloropropane	0.00	63	0	N.D.		
29)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.		
· ·	C150	Trichloroethene	6.01	130	41865	44.27 ng		95
31)	C165	Benzene	5.46	78	11141	N.D.		
3 2)	C155	Dibromochloromethane	<u>7.61</u>	- 129	8363	9.09 ng	-#-	 11
33)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.		
34)	C160	1,1,2-Trichloroethan	0.00	97	. 0	N.D.		
35)	C180	Bromoform	0.00	173	0	N.D.		
37)	C163	1,2-Dibromoethane	0.00	107	0	N.D.		
38)	C210	4-Methyl-2-Pentanone	6.96	43	1482	N.D.		
39)	C215	2-Hexanone	0.00	43	0	N.D.		
(40)	C220	Tetrachloroethene	7.61	164	8614	11.95 ng	#	88
41)	C225	1,1,2,2-Tetrachloroe	7.06	83	887	N.D.		
43)	C230	Toluene	7.12	91	4532	N.D.		
44)	C235	Chlorobenzene	8.42	112	135	N.D.		
45	C240	Ethylbenzene	8.49	106	7317	5.09 ng	#	77
(46)	C246	m,p-Xylene	8.60	106	10794	6.22 ng		97
47)	C247	o-Xylene	8.98	106	3331	N.D.		
49)	C245	Styrene	8.59		299	N.D.		
50)	C966	Isopropylbenzene	9.32	105	2755	N.D.		
51)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.		
52)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.		
53)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.		
54)	C286	1,2-Dibromo-3-chloro	0.00	75	0	N.D.		
55)		1,2,4-Trichlorobenze	0.00	180	Ö	N.D.		
/		_,_,_	0.00	100	•	11.12.		

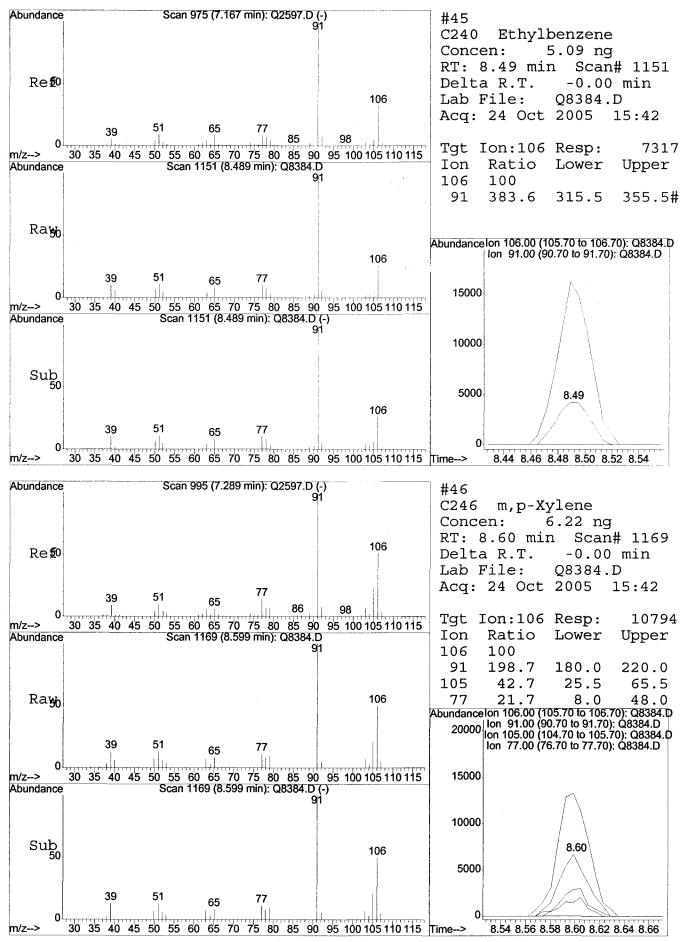












Vial: 17

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\102405\Q8384.D

Acq On : 24 Oct 2005 15:42

Sample : A5B64907

Misc

MS Integration Params: LSCINT.P

Operator: JMB Inst : HP5973 O Multiplr: 1.00

MW MolForm

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS
Library : C:\DATABASE\NIST98.L

Peak Number 1 Propene

Hit# of 5 Tentative ID

Concentration Rank 1

CAS#

Qual

R.T.	EstConc	Area	Relati	ve to ISTD	IS Area	R.T.
1.55	33.92 ng	107503	CI01	Bromochloro	792294	4.94

	~	
1 Propene	42 C3H6	000115-07-1 9
2 Cyclopropane	42 C3H6	000075-19-4 4
3 Cyclopropene	40 C3H4	1000194-05-8 4
4 Cyclobutylamine	71 C4H9N	002516-34-9 4
Abundance Scan 11 (1.554 min		
, isotrodinos	3941	m/z 41.10 100.00%
5000 m/z> 0 5 10 15 20 2	37 43 45 5 30 35 40 45 50	1.60 1.70 1.80 1.90 2.00 m/z 39.05 92.41%
Abundance #108457: Pr	opene	
5000-	27	1.60 1.70 1.80 1.90 2.00
m/z> 0 5 10 15 20 2	5 30 35 40 45 50	m/z 43.10 68.48%
Abundance #108993: Cyclo	propane 42	
5000	27	1.60 1.70 1.80 1.90 2.00 m/z 44.05 54.85%
12,14	37	
		
m/z> 0 5 10 15 20 29 Abundance #1232: Cyclop		W.
#1202. Gyddy	39	1.60 1.70 1.80 1.90 2.00 m/z 42.10 53.23%
	37 26 29 41 43	
m/z> 0 5 10 15 20 25	 	1.60 1.70 1.80 1.90 2.00
	, 00 00 10 10 00	1.00 1.70 1.00 1.00 2.00

Tentatively Identified Compound (LSC) summary

Operator ID: JMB Date Acquired: 24 Oct 2005 15:42

Data File: C:\HPCHEM\1\DATA\102405\Q8384.D

Name: A5B64907

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

Title: CLPOLM04.2 WATERS

Library Searched: C:\DATABASE\NIST98.L

TIC Top I	Hit name			Units	Area	IntStd	ISRT	ISArea	ISConc
Propene			33.9	_		ISTD01	4.94	792294	250.0
O8384 D	A5T02197 M	V	Med Oct 1		54 - 59 - 20	05	HD5973-	· O	

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

T/17/12		

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: ____ SAS No.: ___ SDG No.: ___

Matrix: (soil/water) WATER Lab Sample ID: A5B64904

Lab File ID: <u>Q8416.RR</u> Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$

Level: (low/med) LOW Date Samp/Recv: 10/17/2005 10/17/2005

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: <u>10/26/2005</u>

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: ____1.00

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 74-87-3			CONCENTRATION	UNITS	:	
74-83-9Brommethane 10 U 75-01-4Vinyl chloride 10 U 75-00-3Chloroethane 10 U 75-09-2Methylene chloride 10 U 67-64-1Acetone 10 U 75-15-0	CAS NO.	COMPOUND	(ug/L or ug/K	g)	UG/L_	Q
75-01-4Vinyl chloride 10 U 75-00-3	74-87-3	Chloromethane			10	U
75-00-3Chloroethane 10					10	U
75-09-2Methylene chloride 10 U 67-64-1	75-01-4	Vinyl chloride			10	ע
67-64-1Acetone 10 U 75-15-0Carbon Disulfide 10 U 75-35-41,1-Dichloroethene 10 U 75-34-31,1-Dichloroethane 10 U 67-66-3Chloroform 10 U 107-06-21,2-Dichloroethane 10 U 78-93-32-Butanone 10 U 71-55-61,1,1-Trichloroethane 10 U 75-27-4Bromodichloromethane 10 U 78-87-51,2-Dichloropropane 10 U 106-20-51,1,2-Dichloropropane 10 U 109-01-6Trichloroethane 1 J 124-48-1Dibromochloromethane 10 U 79-00-51,1,2-Trichloroethane 10 U 106-02-6	75-00-3	Chloroethane			10	U
75-15-0Carbon Disulfide 10 U 75-35-41, 1-Dichloroethene 10 U 67-66-3Chloroform 10 U 107-06-21, 2-Dichloroethane 10 U 107-06-21, 2-Dichloroethane 10 U 78-93-32-Butanone 10 U 71-55-61, 1, 1-Trichloroethane 10 U 75-27-4Bromodichloromethane 10 U 78-87-51, 2-Dichloropropane 10 U 1066-01-51, 3-Dichloropropane 10 U 1066-01-51, 1, 2-Trichloroethane 10 U 79-01-6Trichloroethane 10 U 104-48-1Dibromochloromethane 10 U 104-48-1	75-09-2	Methylene chloride			10	U
75-35-41,1-Dichloroethene 10 U 75-34-31,1-Dichloroethane 10 U 67-66-3Chloroform 10 U 107-06-21,2-Dichloroethane 10 U 78-93-32-Butanone 10 U 71-55-61,1,1-Trichloroethane 10 U 75-27-4Bromodichloromethane 10 U 78-87-51,2-Dichloropropane 10 U 78-87-51,2-Dichloropropane 10 U 10061-01-5cis-1,3-Dichloropropene 10 U 79-01-6Trichloroethene 1 J 124-48-1Dibromochloromethane 10 U 79-00-51,1,2-Trichloroethane 10 U 10-43-2Benzene 10 U 10061-02-6	67-64-1	Acetone			10	4 - 1
75-34-31,1-Dichloroethane 10 U 67-66-3Chloroform 10 U 107-06-21,2-Dichloroethane 10 U 78-93-32-Butanone 10 U 71-55-61,1,1-Trichloroethane 10 U 56-23-5Carbon Tetrachloride 10 U 75-27-4Bromodichloromethane 10 U 78-87-51,2-Dichloropropane 10 U 10061-01-5cis-1,3-Dichloropropene 10 U 79-01-6Trichloroethane 1 J 124-48-1Dibromochloromethane 10 U 17-43-2Benzene 10 U 10061-02-6trans-1,3-Dichloropropene 10 U 108-10-14-Methyl-2-pentanone 10 U 108-10-14-Methyl-2-pentanone 10 U 107-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 109-34-51,1,2,2-Tetrachloroethane 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 130-20-7Total Xylenes	75-15-0	Carbon Disulfide			10	U
67-66-3Chloroform 10 U 107-06-21,2-Dichloroethane 10 U 78-93-32-Butanone 10 U 71-55-61,1,1-Trichloroethane 10 U 56-23-5Carbon Tetrachloride 10 U 75-27-4Bromodichloromethane 10 U 78-87-51,2-Dichloropropane 10 U 10061-01-5cis-1,3-Dichloropropene 10 U 79-01-6Trichloroethane 1 J 124-48-1Dibromochloromethane 10 U 79-00-51,1,2-Trichloroethane 10 U 1061-02-6	75-35-4	1,1-Dichloroethene			10	ע
107-06-21,2-Dichloroethane 10 U 78-93-32-Butanone 10 U 71-55-61,1,1-Trichloroethane 10 U 56-23-5Carbon Tetrachloride 10 U 75-27-4Bromodichloromethane 10 U 78-87-51,2-Dichloropropane 10 U 10061-01-5cis-1,3-Dichloropropene 10 U 79-01-6Trichloroethane 1 J 124-48-1Dibromochloromethane 10 U 79-00-51,1,2-Trichloroethane 10 U 71-43-2Benzene 10 U 1061-02-6trans-1,3-Dichloropropene 10 U 75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 100-42-5Total Xylenes 10 U 175-71-8Dichlorodifluoromethane	75-34-3	1,1-Dichloroethane			10	ע
78-93-32-Butanone 10 U 71-55-61,1,1-Trichloroethane 10 U 56-23-5Carbon Tetrachloride 10 U 75-27-4Bromodichloromethane 10 U 78-87-51,2-Dichloropropane 10 U 10061-01-5cis-1,3-Dichloropropene 10 U 79-01-6Trichloroethene 1 J 124-48-1Dibromochloromethane 10 U 79-00-51,1,2-Trichloroethane 10 U 71-43-2Benzene 10 U 10061-02-6trans-1,3-Dichloropropene 10 U 75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 108-88-3Toluene 10 U 108-88-31,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 130-20-7Total Xylenes 10 U 75-71-8					10	ט
71-55-61,1,1-Trichloroethane 10 U 56-23-5Carbon Tetrachloride 10 U 75-27-4Bromodichloromethane 10 U 78-87-51,2-Dichloropropane 10 U 10061-01-5cis-1,3-Dichloropropene 10 U 79-01-6Trichloroethene 1 J 124-48-1Dibromochloromethane 10 U 79-00-51,1,2-Trichloroethane 10 U 79-00-51,1,2-Trichloroethane 10 U 71-43-2Benzene 10 U 10061-02-6trans-1,3-Dichloropropene 10 U 75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 108-10-14-Methyl-2-pentanone 10 U 109-78-62-Hexanone 10 U 108-88-3Toluene 10 U 108-88-31,1,2,2-Tetrachloroethane 10 U 109-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5	107-06-2	1,2-Dichloroethane			10	U
56-23-5Carbon Tetrachloride 10 U 75-27-4Bromodichloromethane 10 U 78-87-51, 2-Dichloropropane 10 U 10061-01-5cis-1, 3-Dichloropropene 10 U 79-01-6Trichloroethene 1 J 124-48-1Dibromochloromethane 10 U 79-00-51, 1, 2-Trichloroethane 10 U 71-43-2Benzene 10 U 10061-02-6trans-1, 3-Dichloropropene 10 U 75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 108-88-3Toluene 10 U 79-34-51, 1, 2, 2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1300-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U	78-93-3	2-Butanone			10	U
75-27-4Bromodichloromethane 10 U 78-87-51,2-Dichloropropane 10 U 10061-01-5cis-1,3-Dichloropropene 10 U 79-01-6Trichloroethene 1 J 124-48-1Dibromochloromethane 10 U 79-00-51,1,2-Trichloroethane 10 U 71-43-2Benzene 10 U 10061-02-6trans-1,3-Dichloropropene 10 U 75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 127-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-42-5Styrene 10 U 1300-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	U
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10061-01-5cis-1,3-Dichloropropene 10 U 79-01-6Trichloroethene 1 J 124-48-1Dibromochloromethane 10 U 79-00-51,1,2-Trichloroethane 10 U 71-43-2Benzene 10 U 10061-02-6trans-1,3-Dichloropropene 10 U 75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 127-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	U
79-01-6Trichloroethene 1 J 124-48-1Dibromochloromethane 10 U 79-00-51,1,2-Trichloroethane 10 U 71-43-2Benzene 10 U 10061-02-6trans-1,3-Dichloropropene 10 U 75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 127-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U	78-87-5	1,2-Dichloropropane			10	U
124-48-1Dibromochloromethane 10 U 79-00-51,1,2-Trichloroethane 10 U 71-43-2Benzene 10 U 10061-02-6trans-1,3-Dichloropropene 10 U 75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 127-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U	10061-01-5	cis-1,3-Dichloropropene			10	U
79-00-51,1,2-Trichloroethane 10 U 71-43-2Benzene 10 U 10061-02-6trans-1,3-Dichloropropene 10 U 75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 127-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 79-34-5Toluene 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					1	J
71-43-2Benzene 10 U 10061-02-6trans-1,3-Dichloropropene 10 U 75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 127-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	1 -
10061-02-6trans-1,3-Dichloropropene 10 U 75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 127-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	U
75-25-2Bromoform 10 U 108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 127-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	1 -
108-10-14-Methyl-2-pentanone 10 U 591-78-62-Hexanone 10 U 127-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	1 - 1
591-78-62-Hexanone 10 U 127-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	
127-18-4Tetrachloroethene 10 U 108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	1 1
108-88-3Toluene 10 U 79-34-51,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	U
79-34-51,1,2,2-Tetrachloroethane 10 U 108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	
108-90-7Chlorobenzene 10 U 100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	U
100-41-4Ethylbenzene 10 U 100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	U
100-42-5Styrene 10 U 1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U					10	1 - 1
1330-20-7Total Xylenes 10 U 75-71-8Dichlorodifluoromethane 10 U	100-41-4	Ethylbenzene			10	
75-71-8Dichlorodifluoromethane 10 U	100-42-5	Styrene			10	1 1
					10	
75-69-4Trichlorofluoromethane 10 U					10	1 1
	75-69-4	Trichlorofluoromethane			10	U

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo Contract:		ENV-4		
Lab Name: SIII Burrato Concrace:				
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) WATER	Lab Sample ID:	A5B64904	· 	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	<u>Q8416.RR</u>	<u></u>	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/17/20	005 10/17/2	<u>005</u>
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/26/20	<u> 005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor	:1.00	!	
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume:	(uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-trifluct 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene 79-20-9Methyl acetate		10 2 10 6 10 10 10 10 10 10 10	ם ם ם ם ם ם ע ם ם ם ם ם ם ם ב ם ם ם ם ם ם ם ם ם ם	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

			ENV-4
Lab Name: <u>STL Buffalo</u>	Contract:	 -	
Lab Code: RECNY Case No.	: SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5B64904
Sample wt/vol: 5.00	(g/mL) <u>ML</u>	Lab File ID:	<u>Q</u> 8416.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/17/2005 10/17/2005
% Moisture: not dec		Date Analyzed:	10/26/2005
GC Column: <u>DB-624</u> ID:	0.25 (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(uL)	Soil Aliquot Vol	lume: (uL)
Number TICs found: 1		CONCENTRATION UNIT (ug/L or ug/Kg)	
G1G 270			

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 74-93-1	METHANETHIOL	2.16	5	JN

Quantitation Report

Sample : A5B64904 Inst : HP5973 Q

Misc : Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 07:35:52 2005 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102505\Q8410.D Abundance TIC: Q8416.D 1350000 1300000 1250000 1200000 Ci10 1,4-Difluorobenzene,I 1150000 1100000 1050000 CS10 p-Bromofluorobenzene,S 1000000 950000 900000 850000 800000 750000 700000 CI01 Bromochloromethane, CS15 1,2-Dichloroethane-d4,S 650000 600000 550000 500000 450000 400000 350000 cis-1,2-Dichloroethene,T 300000 C057 trans-1,2-dichloroethene,T 250000 C150 Trichloroethene,M 200000 C056 150000 100000 50000 2.00 3.00 4.00 Time--> 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00

STL Buffalo

Data File : C:\HPCHEM\1\DATA\102505\Q8416.D

Vial: 10 : 26 Oct 2005 Operator: CDC Acq On 1:27

Sample : A5B64904 Inst: HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

: CLPOLM04.2 WATERS

Last Update : Wed Oct 26 07:35:52 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

2.5 g + 200							
Internal Standards		R.T.	QIon	Response	Conc Un		(Min) (Ar)
1) CI01 Bromoch	loromethane	4.94	128	103689	250.00		
22) CI10 1,4-Dif	luorohenzene	5 77	114	635150	250 00		8.63% 0.00
22) (110 1,4 111)	ruorobelizelle	3.77	7.7-7	033130	250.00	_	5.96%
36) CI20 Chlorobe	enzene-d5	8.40	117	555388	250.00		
,							5.29%
System Monitoring (
19) CS15 1,2-Dich							
Spiked Amount			- 114	Recove	ery =	104.01%	
42) CS05 Toluene-	-d8	7.06	98	666328	247.70 :	ng	0.00
Spiked Amount 48) CS10 p-Bromod	250.000 Rang	je 88	- 110	Recove	ery =	99.08%	
48) CS10 p-Bromod	lluorobenzene	9.51	95	257754	235.74 i	ng	0.00
Spiked Amount	250.000 Rang	je 86	- 115	Recove	ery =	94.30%	
Target Compounds						Qv	alue
2) C290 Dichlord							
3) C010 Chlorome 4) C015 Bromomet	ethane	2.16		947			
4) C015 Bromomet 5) C020 Vinyl Ch 6) C025 Chloroet 7) C030 Methyler 8) C035 Acetone	thane	0.00	94	0	N.D.		
5) C020 Vinyl Ch	nloride	1.90	62	4365	N.D.		
6) C025 Chloroet	thane	2.41	64	1097	N.D.		
7) C030 Methyler	ne Chloride	3.59	84	1021	N.D.		
8) C035 Acetone		3.21	43	2356			
9) CU40 Carbon I	Jisuiliae	3.33	76	803			
	rofluorometha			0	N.D.		
11) C045 1,1-Dich	nloroethene	0.00	96	0	N.D.		
12) C291 1,1,2-Ti	richloro-1,2,	0.00	101	0	N.D.		
13) C962 T-butyl	richloro-1,2, methyl ether nloroethane	0.00	73	0	N.D.		
14) C050 1,1-Dich	nloroethane	4.21	63	1288	N.D.		
15) C255 Methyl <i>I</i>	Acetate	3.21	43	2356	N.D.		
15) C255 Methyl A (16) C057 trans-1,	,2-dichloroet	3.82	96	2356 9877 28584	10.75		79
(17) C056 cis-1,2-	-Dichloroethe	4.72	96	28584	30.90 1	ng	96
	orm	0.00	83	0	N.D.		
	nloroethane	0.00	62	0	N.D.		
21) C110 2-Butano		4.76	43	1260	N.D.		\
23) C256 Cyclohex		0.00	56	0	N.D.		· \\\
	yclohexane	6.14	83	357	N.D.		M_{Ω}
	richloroethan	4.72	97	859	N.D.		16 1/g
26) C120 Carbon T	Tetrachloride	0.00	117	0	N.D.		0311
(#) - qualifier out	of range (m)		 ເລ] ກ່າ	earstion			1- 1

STL Buffalo

Data File : C:\HPCHEM\1\DATA\102505\Q8416.D Vial: 10

: 26 Oct 2005 Acq On 1:27 Operator: CDC

Sample : A5B64904 Inst : HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

: CLPOLM04.2 WATERS Title

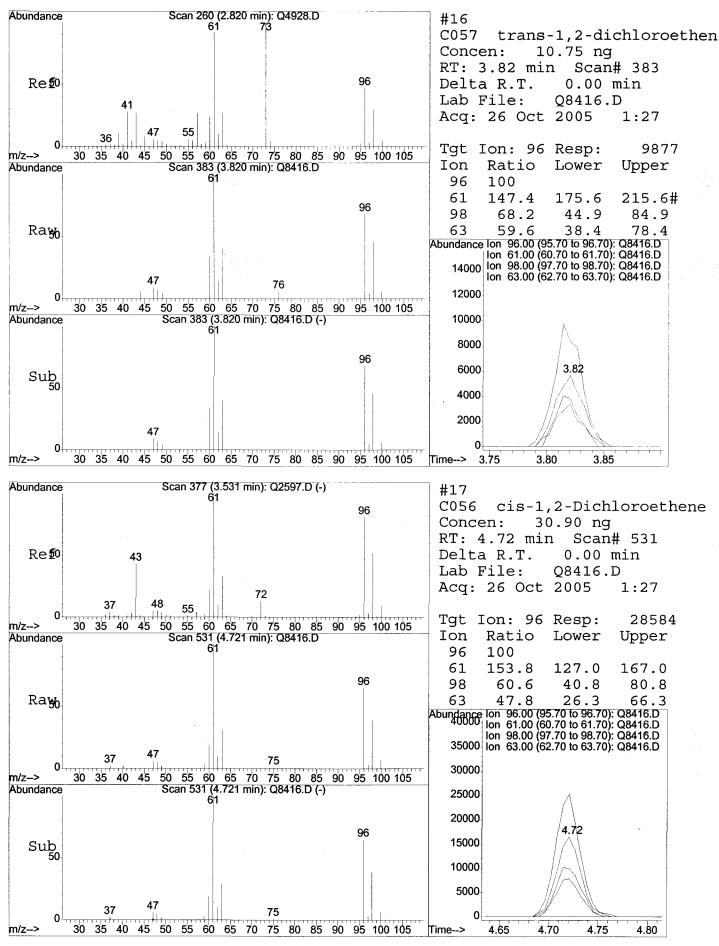
Last Update : Wed Oct 26 07:35:52 2005

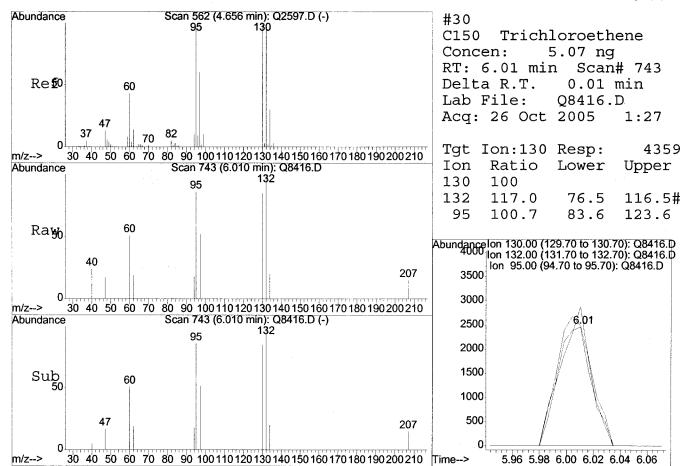
Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	Qva	lue
27)	C130	Bromodichloromethane	6.14	83	357	N.D.		
28)	C140	1,2-Dichloropropane	0.00	63	0	N.D.		
29)	C145	cis-1,3-Dichloroprop		75	Ö	N.D.		
(30)	C150	Trichloroethene	6.01	130	4359	5.07 ng	#	88
31)	C165	Benzene	5.47	78	859	N.D.		
32)	C155	Dibromochloromethane		129	0	N.D.		
33)	C170			75	0	N.D.		
34)	C160	1,1,2-Trichloroethan		97	0	N.D.		
35)	C180	Bromoform	0.00	173	0	N.D.		
37)	C163	1,2-Dibromoethane		107	0	N.D.		
38)	C210	4-Methyl-2-Pentanone	6.96	43	326	N.D.		
39)	C215	2-Hexanone	0.00	43	0	N.D.		
40)	C220	Tetrachloroethene	0.00	164	0	N.D.		
41)	C225	1,1,2,2-Tetrachloroe	7.06	83	492	N.D.		
43)	C230	Toluene	7.12	91	7223	N.D.		
44)	C235	Chlorobenzene	0.00	112	0	N.D.		
45)	C240	Ethylbenzene	8.49	106	2021	N.D.		
46)	C246	m,p-Xylene	8.60	106	3318	N.D.		
47)	C247	o-Xylene	8.98	106	170	N.D.		
		Styrene	9.51	104	850	N.D.		
50)	C966	Isopropylbenzene	9.32	105	266	N.D.		
51)	C260	1,3-Dichlorobenzene		146	302	N.D.		
52)			10.56	146	185	N.D.		
	C249	•	10.88		303	N.D.		
	C286	-	0.00	75	0	N.D.		
55)	C313	1,2,4-Trichlorobenze	12.11	180	138	N.D.		







Vial: 10

Operator: CDC

Library Search Compound Report

Data File: C:\HPCHEM\1\DATA\102505\Q8416.D

: 26 Oct 2005

: A5B64904 Sample : HP5973 Q Multiplr: 1.00

Misc

MS Integration Params: LSCINT.P

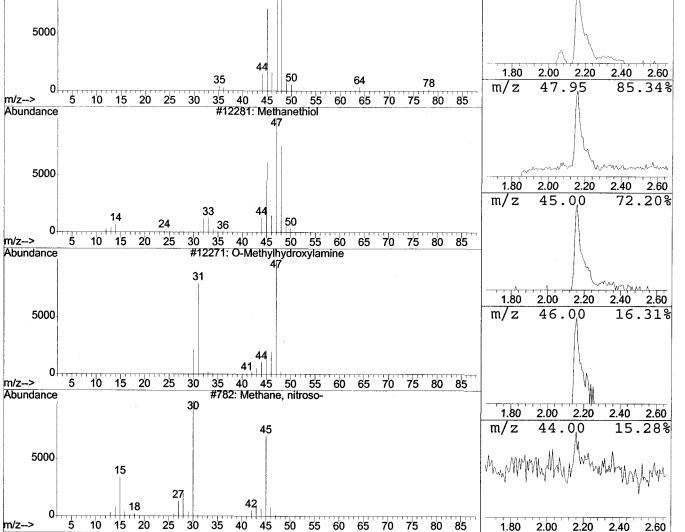
Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS : C:\DATABASE\NIST98.L

Peak Number 1 Methanethiol Concentration Rank

R.T.	EstConc	Area	Relativ	e to ISTD	IS Area	R.T.
		 			- -	
2.16	27.11 ng	87926	CI01	Bromochloro	810973	4.94

Hit# of 5 Tentative ID	MW MolForm	CAS# Qual
1 Methanethiol 2 O-Methylhydroxylamine 3 Methane, nitroso-	48 CH4S 47 CH5NO 45 CH3NO	000074-93-1 91 1000202-02-6 9 000865-40-7 5
4 O-Methyl-hydroxylamine Abundance Scan 110 (2.160 min): Q8416.D (-)	47 CH5NO m/:	1000192-49-9 4 z 47.10 100.00%
5000		



Tentatively Identified Compound (LSC) summary

Operator ID: CDC Date Acquired: 26 Oct 2005 1:27 Data File: C:\HPCHEM\1\DATA\102505\Q8416.D

Name: A5B64904

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5102220.M (RTE Integrator)

Title: CLPOLM04.2 WATERS

Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT E	stConc Units	Area	IntStd	ISRT	ISArea ISConc
Methanethiol	2.16	27.1 ng	87926	ISTD01	4.94	810973 250.0
08416.D A5I02220.M	We	d Oct 26 15:3	30:55 20	05	HP5973-	-O 1 47

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

1		
	T. 10 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T. 17 T.	
	ET/I/A - \	

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: ____ SAS No.: ___ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64905

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8386.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/17/2005</u> <u>10/17/2005</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/24/2005

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

		CONCENTRATION		
CAS NO. COM	POUND	(ug/L or ug/K	g) <u>UG/L</u>	Q
74-87-3Chl	oromethane		10	U
74-83-9Bro	momethane		10	U
75-01-4Vin	yl chlori d e		200	
75-00-3Chl			10	U
75-09-2Met	hylene chloride		10	U
67-64-1Ace	tone		10	U
75-15-0Car	bon Disulfide		10	U
75-35-41,1	-Dichloroethene		10	U
75-34-31,1	-Dichloroethane		3	J
67-66-3Chl	oroform		10	U
107-06-21,2	-Dichloroethane		10	U
78-93-32-B	utanone		10	U
71-55-61,1	,1-Trichloroethane		10	U
56-23-5Car	bon Tetrachloride		10	U
75-27-4Bro	modichloromethane		10	U
78-87-51,2	-Dichloropropane		10	U
10061-01-5cis	-1,3-Dichloropropene		10	U
79-01-6Tri	chloroethene		10	U
	romochloromethane		10	U
79-00-51,1	,2-Trichloroethane		10	ט
71-43-2Ben			10	U
10061-02-6tra	ns-1,3-Dichloropropene		10	U
75-25-2Bro			10	U
108-10-14-M	ethyl-2-pentanone		10	U
591-78-62-H	exanone		10	U
127-18-4Tet	rachloroethene		1	J
108-88-3Tol	uene		10	U
79-34-51,1	,2,2-Tetrachloroethane		10	U
108-90-7Chl	orobenzene		10	U
100-41-4Eth	ylbenzene		10	ប
100-42-5Sty	rene		10	U
1330-20-7Tot	al Xylenes		10	U
75-71-8 Dic	hlorodifluoromethane		10	ט
75-69-4Tri	chlorofluoromethane		10	U

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

	ENV-7	
Lab Name: <u>STL Buffalo</u> Contract:		
Lab Code: <u>RECNY</u> Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5B64905	
Sample wt/vol: 5.00 (g/mL) $\underline{\text{ML}}$	Lab File ID: <u>Q8386.RR</u>	<u> </u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/17/20	<u>05</u> <u>10/17/2005</u>
% Moisture: not dec Heated Purge: N	Date Analyzed: 10/24/20	<u>05</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane	10 1BE) 10 190 10 10 10 10 10 10 10 10 10 10 10 10 10	מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	: STL Buffalo	Contract:		ENV-7			
		.: SAS No.:					
Matrix:	(soil/water) <u>WATER</u>		Lab Sample ID:	A5B64905			
Sample wt	c/vol: <u>5.00</u>	0 (g/mL) <u>ML</u>	Lab File ID:	Q8386.RR			
Level:	(low/med) <u>LOW</u>		Date Samp/Recv:	10/17/2005 10/17/2005			
% Moistur	re: not dec	-	Date Analyzed:	10/24/2005			
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution Factor	:1.00			
Soil Extr	ract Volume:	(uL)	Soil Aliquot Vo	Soil Aliquot Volume: (uL)			
Number T1	ICs found: <u>0</u>		CONCENTRATION UNI (ug/L or ug/Kg)	• .			
	CAS NO.	Compound Name	RT Est.	Conc. 0			

Vial: 19

Quantitation Report

Data File : C:\HPCHEM\1\DATA\102405\Q8386.D

: 24 Oct 2005 Acq On 16:39

Operator: JMB Sample : A5B56405 Inst : HP5973 Q Multiplr: 1.00

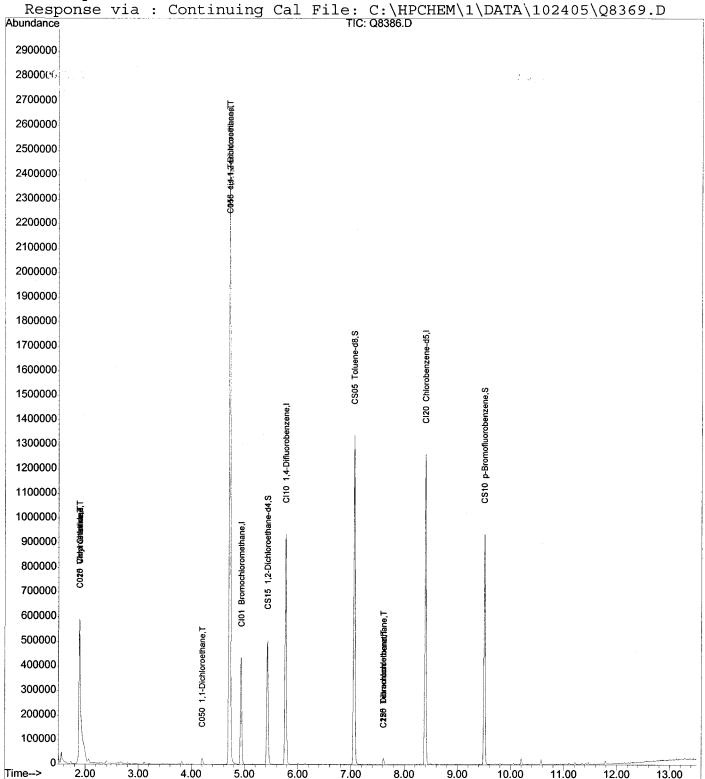
Misc

MS Integration Params: rteint.p Quant Time: Oct 24 23:06 2005 Quant Results File: A5I02197.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005



STL Buffalo

Inst

Data File : C:\HPCHEM\1\DATA\102405\Q8386.D

: 24 Oct 2005 16:39 Acq On

Sample : A5B56105 Misc

MS Integration Params: rteint.p

Quant Time: Oct 24 23:06 2005

Multiplr: 1.00

Quant Results File: A5I02197.RES

HP5973-Q

Page 1

Operator: JMB

Vial: 19

: HP5973 Q

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

(#) = qualifier out of range (m) = manual integration

Q8386.D A5I02197.M

: CLPOLM04.2 WATERS Title

Last Update : Mon Oct 24 23:05:09 2005

Response via: Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102405\Q8369.D (24 Oct 2005 8:28)

Internal Stan	dards	R.T.	QIon	Response	Conc Ur			(Min) (Ar)
1) CI01 Br	omochloromethane	4.94	128	98906	250.00	ng		0.00
22) CI10 1,	4 Difluerahangana	E 77	111	CC2120	250 00	~~~		7.66%
22) (110 1,	4-Difluorobenzene	5.77	114	663129	250.00	ng		0.00
36) CI20 Ch	lorobenzene-d5	0 40	117	C107C0	250 00			3.27%
36) C120 CII	TOTOBelizelle-d5	8.40	117	612769	250.00	ng		0.00
							76	3.10%
System Monito	ring Compounds							
	2-Dichloroethane-d	5 43	65	369330	280.92	na		0.00
Spiked Amou						112.		0.00
	luene-d8	7.06			243.31		5,0	0.00
Spiked Amou							32%	0.00
	Bromofluorobenzene	9.50	95	314184	232.72		720	0.00
			- 115				09%	0.00
- <u>F</u>				11000.01	- 1	,	020	
Target Compou	nds			. •			Ova	lue
2) C290 Di	chlorodifluorometh	0.00	85	0	N.D.		~	
3) C010 Ch	loromethane	1.90	50	6639	7.85	па	#-	43
4) C015 Br	omomethane	1.90	94	140	N.D.			
5020 Vi		1.89	- 62 -	864667	992.65	ng		99
	loroethane	1.89	64	267769	571.35	ng	#	41
	thylene Chloride	3.59		136	N.D.			
•		3.20		2282	N.D.	•		
	rbon Disulfide	3.32	76	130	N.D.			
		0.00		0	N.D.			
	1-Dichloroethene	3.11	96	2644	N.D.			
	1,2-Trichloro-1,2,	0.00	101	0	N.D.			
	butyl methyl ether	0.00	73	0	N.D.			
	1-Dichloroethane	4.20	63	25576				97
		3.55	43	1478	N.D.			
		3.81	96	3892	N.D.			
	•	4.72	96	968809	968.23	_		94
	loroform	0.00	83	0	N.D.			
	2-Dichloroethane	0.00	62	0	N.D.			
· · · · · · · · · · · · · · · · · · ·	Butanone	4.75	43	161	N.D.		. 0	yx ,
	clohexane	5.16	56	911	N.D.		B	100
	thylcyclohexane	6.14	83	1679	N.D.			10\3N
	1.1-Trichloroethan	4.72	97	37404	23.54	-	#	' \ 68
26) C120 Ca	rbon Tetrachloride	0.00	117	0	N.D.			
				. – – – – – – – – – – – – – – – – – – –				

Mon Oct 24 23:07:01 2005

Data File : C:\HPCHEM\1\DATA\102405\Q8386.D

Acq On : 24 Oct 2005 16:39

Operator: JMB Sample : A5B56405 Inst: HP5973 Q

Misc

Multiplr: 1.00

Vial: 19

MS Integration Params: rteint.p Quant Time: Oct 24 23:06 2005

Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

: CLPOLM04.2 WATERS Title

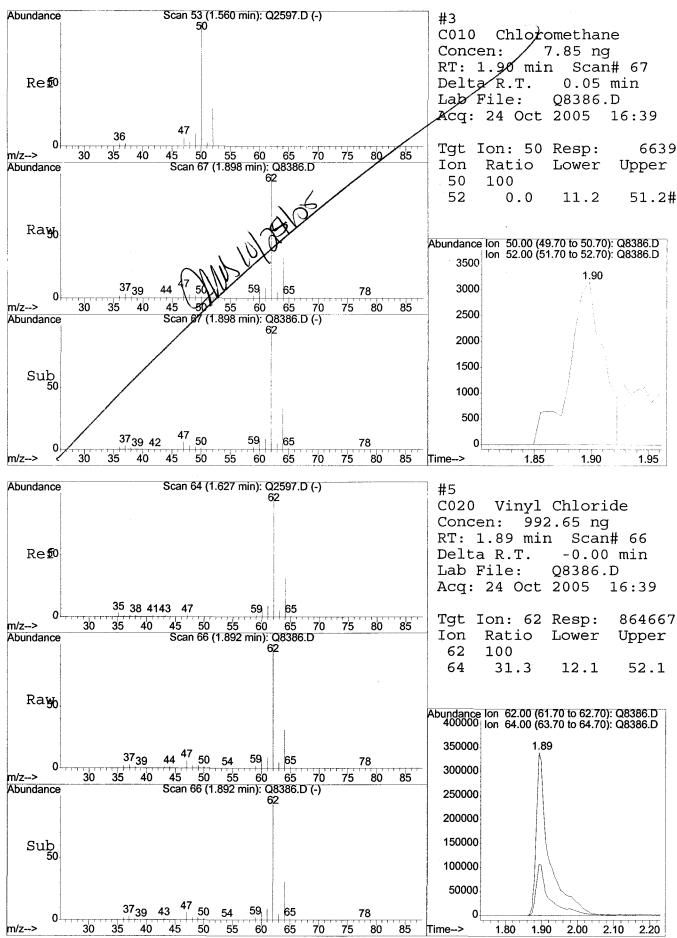
Last Update : Mon Oct 24 23:05:09 2005

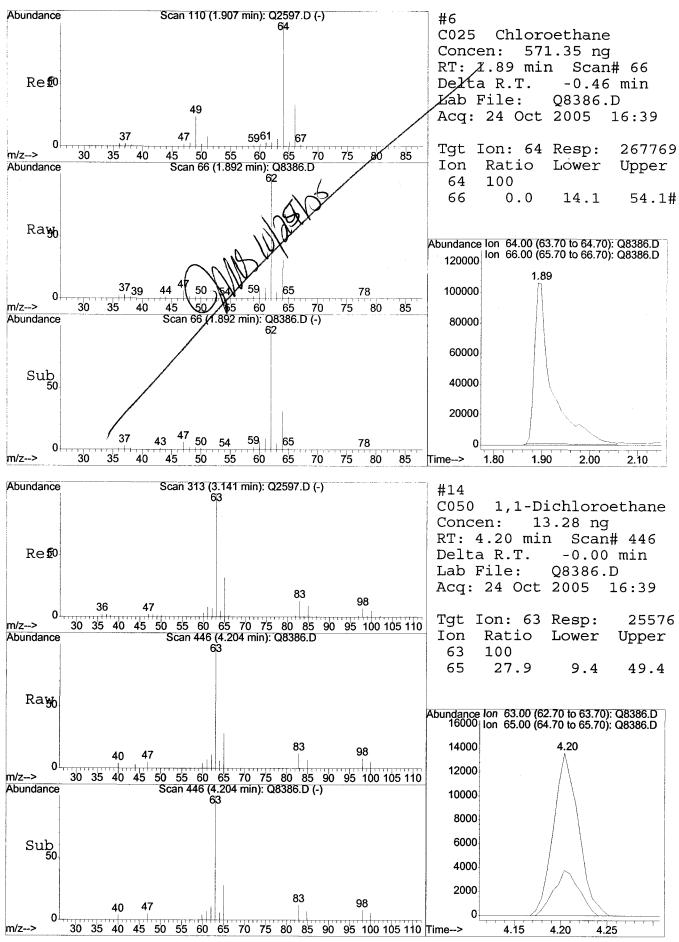
Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

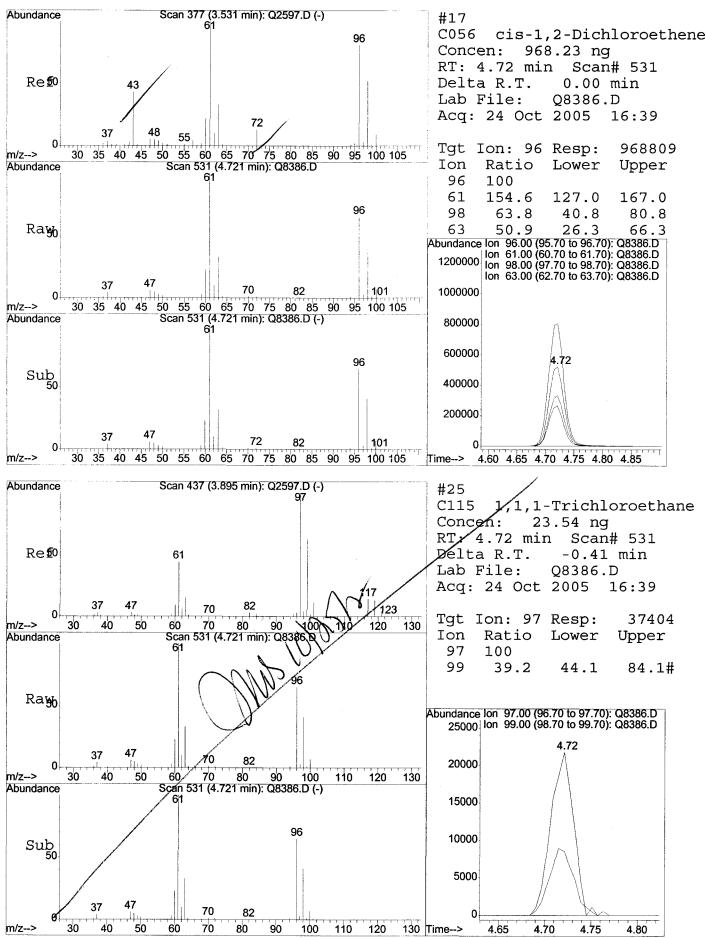
DataAcq Meth : VOA

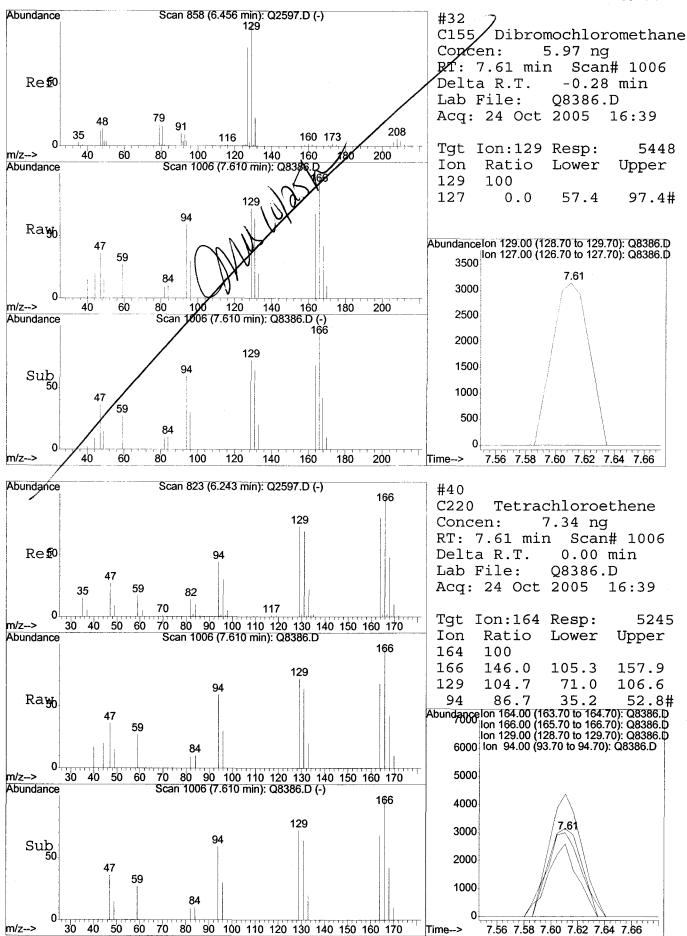
	Compound		R.T.	QIon	Response	Conc Unit	Qva	lue
27)	C130	Bromodichloromethane	6.14	83	1679	N.D.		
28)	C140	·	0.00		0	N.D.		
29)	C145	·	0.00		0	N.D.		
30)	C150	Trichloroethene	6.00		1984	N.D.		
31)	C165	Benzene	5.46		10212	N.D.		
32)	C155	-Dibromochloromethane	7.61		5448	5.97 ng	-#_	11
33)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.		
34)	C160	1,1,2-Trichloroethan	0.00		0	N.D.		
35)	C180	Bromoform	0.00		0	N.D.		
37)	C163	1,2-Dibromoethane	0.00		0	N.D.		
38)	C210	4-Methyl-2-Pentanone	7.06		4809	N.D.		
39)	C215	2-Hexanone	0.00	43	0	N.D.		
(40)	C220	Tetrachloroethene	7.61		5245	7.34 ng	# .	77
41)	C225	1,1,2,2-Tetrachloroe	7.05	83	737	N.D.		
43)	C230	Toluene	7.12		1390	N.D.		
44)	C235	Chlorobenzene	8.41		138	N.D.		
45)	C240	Ethylbenzene	8.49	106	645	N.D.		
46)	C246	m,p-Xylene	8.60	106	672	N.D.		
47)	C247	o-Xylene	8.99	106	815	N.D.		
49)	C245	Styrene	9.50	104	1065	N.D.		
50)	C966	Isopropylbenzene	9.32	105	1368	N.D.		
51)	C260	1,3-Dichlorobenzene	10.56	146	1361	N.D.		
52)	C267	1,4-Dichlorobenzene	10.56	146	1361	N.D.		
53)	C249	1,2-Dichlorobenzene	10.88	146	992	N.D.		
54)	C286	1,2-Dibromo-3-chloro	0.00	75	0	N.D.		
55)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.		











Tentatively Identified Compound (LSC) summary

Operator ID: JMB Date Acquired: 24 Oct 2005 16:39

Data File: C:\HPCHEM\1\DATA\102405\Q8386.D

Name: A5B56405

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

Title: CLPOLM04.2 WATERS

Library Searched: C:\DATABASE\NIST98.L

TIC Top		EstConc Units					2
Q8386.D	A5I02197.M	Wed Oct 26 11:5	5:03 2	005	HP5973	-0	

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

<u></u>	
FINV-8	

Lab Name: STL Buffalo Contract: ____

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64903

Sample wt/vol: $\underline{5.00}$ (g/mL) \underline{ML} Lab File ID: $\underline{Q8388.RR}$

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/17/2005</u> <u>10/17/2005</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/24/2005

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

		CONCENTRATION UNITS:		
CAS NO.	COMPOUND	(ug/L or ug/Kg	g) <u>UG/L</u>	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		9	J
75-00-3	Chloroethane		10	U
75-09-2Methylene chloride			10	ן ט
67-64-1			10	U
75-15-0	Carbon Disulfide		10	ן ט
75-35-4	1,1-Dichloroethene		10	ט
75-34-3	1,1-Dichloroethane		4	J
67-66-3	Chloroform		10	ט
	1,2-Dichloroethane		10	ע
78-93-3	2-Butanone		10	ע
71-55-6	1,1,1-Trichloroethane		10	ט
56-23-5	Carbon Tetrachloride		10	ט
75-27-4	Bromodichloromethane		10	U
	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	ט
	Trichloroethene		10	
124-48-1	Dibromochloromethane		10	ע
	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		10	U
	trans-1,3-Dichloropropene		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6			10	U
	Tetrachloroethene		3	J
108-88-3			10	ע
	1,1,2,2-Tetrachloroethane		10	ט
	Chlorobenzene		10	ע
100-41-4Ethylbenzene			10	U
100-42-5Styrene			10	U
1330-20-7	1330-20-7Total Xylenes		10	U
	Dichlorodifluoromethane		10	U
75-69-4	Trichlorofluoromethane		10	U

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

I ob Namo, CTT Duffalo	Control at		ENV-8	}	-
Lab Name: <u>STL Buffalo</u>	Contract:		,		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	······		
Matrix: (soil/water) WATER		Lab Sample	ID: <u>A5B649</u>	03	
Sample wt/vol: 5.00 (g/mL)	<u>ML</u>	Lab File I	D: <u>Q8388</u> .	RR	
Level: (low/med) <u>LOW</u>		Date Samp/	Recv: <u>10/17/</u>	<u>2005</u> 10/	17/2005
% Moisture: not dec Heater	d Purge: N	Date Analy	zed: <u>10/24/</u>	<u>'2005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (r	mm)	Dilution F	actor: <u>1.</u>	00	
Soil Extract Volume: (uL)		Soil Alique	ot Volume: _		uL)
C'AS NO. COMPOUND		CONCENTRATION (ug/L or ug/K	_	Q	
76-13-11,1,2-Trichi 156-60-5trans-1,2-Di 1634-04-4Methyl-t-But 156-59-2Cyclohexane 110-82-7Methylcycloi 110-93-41,2-Dibromo 98-82-8Isopropylber 541-73-11,3-Dichloro 106-46-71,4-Dichloro 95-50-11,2-Dibromo 120-82-11,2,4-Trichi 79-20-0	ichloroethene_ tyl Ether (MIBE) hloroethene hexane ethane nzene obenzene obenzene -3-chloropropane lorobenzene		10 2 10 78 10 10 10 10 10 10 10	מ מ מ מ מ מ מ מ מ מ מ	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

						ENV-8		1	
Lab Name:	: STL Buffalo	Contract:				<u> </u>			
Lab Code:	: <u>RECNY</u> Case No	.: SAS No.:		SDG No.: _					
Matrix:	(soil/water) <u>WATER</u>			Lab Sampl	le ID:	A5B6490	3		
Sample wt	z/vol: <u>5.00</u>	<u>0</u> (g/mL) <u>ML</u>		Lab File	ID:	Q8388.R	R		
Level:	(low/med) <u>LOW</u>			Date Samp	/Recv:	10/17/2	005 1	0/17/200	<u>)5</u>
% Moistur	re: not dec	- -		Date Anal	lyzed:	10/24/2	005		
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)		Dilution	Factor	:1.0	<u>0</u>		
Soil Extract Volume: (uL)			Soil Aliquot Volume: (uL)						
Number Tl	ICs found: _0		(CONCENTRATI (ug/L or u					
	CAS NO.	Compound Nam	ne	RT	Est.	Conc.	Q		

Quantitation Report

Data File: C:\HPCHEM\1\DATA\102405\Q8388.D

Acq On : 24 Oct 2005 17:35

Operator: JMB Sample : A5B64903 Inst : HP5973 Q

Misc

Multiplr: 1.00

Vial: 21

MS Integration Params: rteint.p

Quant Time: Oct 24 23:07 2005 Quant Results File: A5I02197.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102405\Q8369.D Abundance TIC: Q8388.D 1550000 1500000 CI20 Chlorobenzene-d5, 1450000 1400000 1350000 cis-1,2-Dichloroethene,T 1300000 CS10 p-Bromofluorobenzene,S 1250000 1200000 C110 1,4-Difluorobenzene,1 1150000 1100000 1050000 1000000 950000 900000 850000 CS15 1,2-Dichloroethane-d4,S 800000 750000 Bromochloromethane,I 700000 650000 600000 550000 C 101 500000 450000 400000 Trichloroethene, M 350000 C057 trans-1,2-dichloroethene,T C050 1,1-Dichloroethane,T 300000 C150 Vinyl Chloride, T 250000 200000 150000 100000 50000 2.00 3.00 4.00 Time--> 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00

STL Buffalo

Vial: 21

Data File: C:\HPCHEM\1\DATA\102405\Q8388.D

Acq On : 24 Oct 2005 17:35

Operator: JMB Sample : A5B64903 Inst: HP5973 Q Multiplr: 1.00

Misc

MS Integration Params: rteint.p Quant Time: Oct 24 23:07 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102405\Q8369.D (24 Oct 2005 8:28)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI01 Bromochloromethane	4.94	128	98038	250.00 ng	
22) CI10 1,4-Difluorobenzene	5.78	114	659762	250.00 ng	
36) CI20 Chlorobenzene-d5	8.39	117	609391	250.00 ng	77.88% 0.00 77.67%
System Monitoring Compounds 19) CS15 1,2-Dichloroethane-d Spiked Amount 250.000 Rang 42) CS05 Toluene-d8 Spiked Amount 250.000 Rang	re 76 7.06 re 88	- 114 98 - 110	Recove 820484 Recove		0.00 .51% 0.00
48) CS10 p-Bromofluorobenzene Spiked Amount 250.000 Rang		- 115	316531 Recove	_	0.00
Target Compounds 2) C290 Dichlorodifluorometh 3) C010 Chloromethane 4) C015 Bromomethane	0.00 2.05 0.00		0 129 0	N.D. N.D. N.D.	Qvalue
C020 Vinyl Chloride 6) C025 Chloroethane 7) C030 Methylene Chloride 8) C035 Acetone 9) C040 Carbon Disulfide 10) C275 Trichlorofluorometha 11) C045 1,1-Dichloroethene 12) C291 1,1,2-Trichloro-1,2, 13) C962 T-butyl methyl ether	1.90 2.30 3.59 3.21 3.33 0.00 0.00 0.00	62 64 84 43 76 101 96	37995 532	44.01 ng N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D	99
14) C050 1,1-Dichloroethane 15) C255 Methyl Acetate	4.21 3.21		38351 2281	20.09 ng N.D.	95
16 C057 trans-1,2-dichloroet 15 C056 cis-1,2-Dichloroethe 18) C060 Chloroform 20) C065 1,2-Dichloroethane	3.82 4.72 0.00 0.00	96	10036		# 82 94
21) C110 2-Butanone 23) C256 Cyclohexane 24) C012 Methylcyclohexane 25) C115 1,1,1-Trichloroethan 26) C120 Carbon Tetrachloride	4.74 0.00 6.01 5.14 0.00	43 56 83 97 117	286 0 445 540 0	N.D. N.D. N.D. N.D.	10/3/PD
(#)					

Quantitation Report STL Buffalo

Data File : C:\HPCHEM\1\DATA\102405\Q8388.D

Vial: 21 Acq On : 24 Oct 2005 17:35 Operator: JMB

Sample : A5B64903 Inst: HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 24 23:07 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

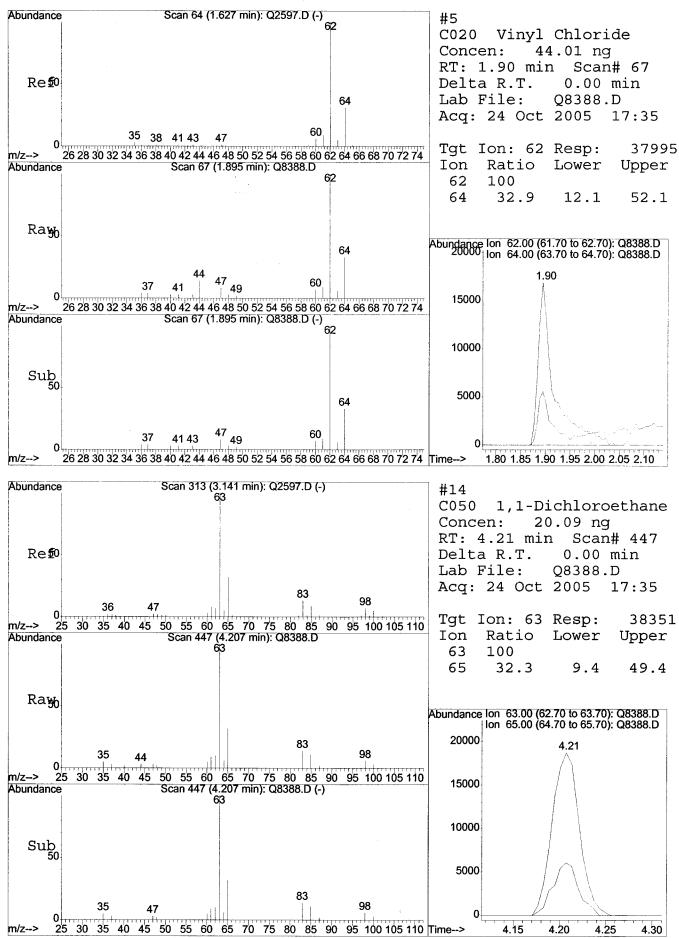
Last Update : Mon Oct 24 23:05:09 2005

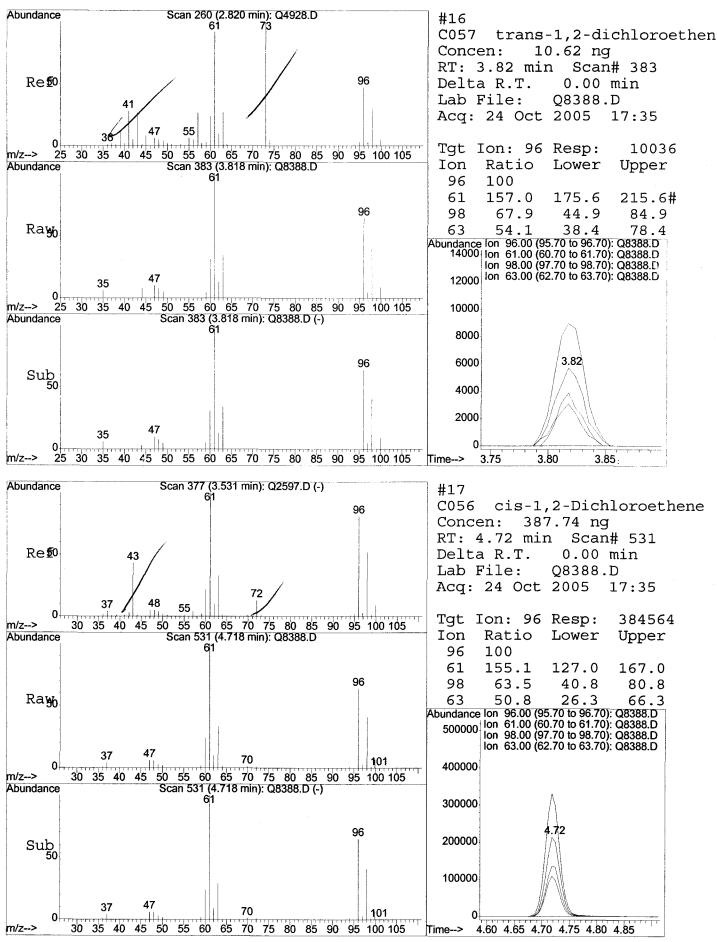
Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

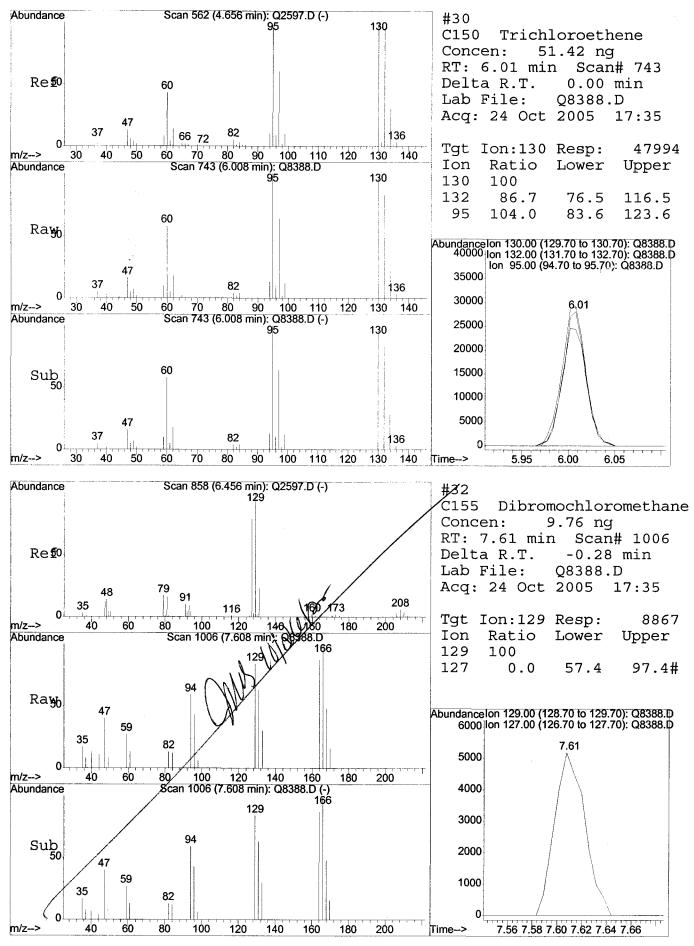
DataAcq Meth : VOA

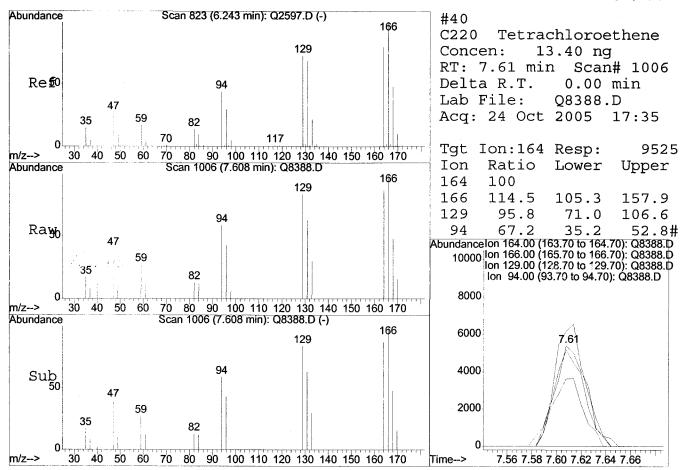
Compo	Compound		QIon	Response	Conc Unit	Qva	lue
27) C130 28) C140	1,2-Dichloropropane	6.01	83 63	445	N.D. N.D.		
29) C145 (30) C150	cis-1,3-Dichloroprop Trichloroethene		75	47004	N.D.		0.5
31) C165	Benzene		130 78	47994 895	51.42 ng		95
32) C155		5.46 -7.61 -	-129 	8867 8867	N.D. 9.76 ng	#	11
33) C170	trans-1,3-Dichloropr	0.00	75	0	N.D.		
34) C160	1,1,2-Trichloroethan		97	ő	N.D.		
35) C180	Bromoform	0.00	173	Ö	N.D.		
37) C163	1,2-Dibromoethane	0.00	107	Ö	N.D.		
38) C210	4-Methyl-2-Pentanone		43	4350	N.D.		
39) C215	2-Hexanone	0.00	43	0	N.D.		
(40) C220	Tetrachloroethene	7.61	164	9525	13.40 ng	#	84
41) C225	1,1,2,2-Tetrachloroe	7.32	83	403	N.D.		
43) C230	Toluene	7.11	91	786	N.D.		
44) C235	Chlorobenzene	0.00	112	0	N.D.		
45) C240	Ethylbenzene	8.49	106	299	N.D.		
46) C246	m,p-Xylene	8.61	106	135	N.D.		
47) C247	o-Xylene	8.61	106	135	N.D.		
49) C245	Styrene	9.51	104	1230	N.D.		
50) C966	Isopropylbenzene	9.32	105	159	N.D.		
51) C260	1,3-Dichlorobenzene		146	0	N.D.		
52) C267	1,4-Dichlorobenzene	0.00	146	0	N.D.		
53) C249	1,2-Dichlorobenzene	0.00	146	0	N.D.		
54) C286	1,2-Dibromo-3-chloro	0.00	75	0	N.D.		
55) C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.		











Tentatively Identified Compound (LSC) summary

Operator ID: JMB Date Acquired: 24 Oct 2005 17:35

Data File: C:\HPCHEM\1\DATA\102405\Q8388.D

Name: A5B64903

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

Title: CLPOLM04.2 WATERS

Library Searched: C:\DATABASE\NIST98.L

TIC Top H	it name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
O8388 D	A5T02197 M	T	Wed Oct 2) 6 11.5r	5.04 2	2005	HD5973-	- 0	

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

ENV-9

Contract: Lab Name: <u>STL Buffalo</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64901

Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$ Lab File ID: <u>Q8415.RR</u>

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/17/2005</u> <u>10/17/2005</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: <u>10/26/2005</u>

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: ____1.00

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

		CONCENTRATION U	NITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg	y) <u>UG/L</u>	Q
	Chloromethane		10	U
	Bromomethane		10	ע
75-01-4	Vinyl chlori de		10	ע
75-00-3	Chloroethane		10	ט
75-09-2	Methylene chloride		10	ט
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	ע
75-35-4	1,1-Dichloroethene		10	ע
75-34-3	1,1-Dichloroethane		10	U
67-66-3	Chloroform		10	ע
107-06-2	1,2-Dichloroethane		10	ט
78-93-3	2-Butanone		10	ע
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	ט
75-27-4	Bromodichloromethane		10	ט
78-87-5	1,2-Dichloropropane		10	ע
10061-01-5	cis-1,3-Dichloropropene		10	ע
79-01-6	Trichloroethene		10	ע
124-48-1	Dibromochloromethane		10	ע
79-00-5	1,1,2-Trichloroethane		10	ע
71-43-2			10	ע
10061-02-6	trans-1,3-Dichloropropene		10	ע
75-25-2			10	U
108-10-1	4-Methyl-2-pentanone		10	ע
591-78-6			10	ע
127-18-4	Tetrachloroethene		10	U
108-88-3			10	ט
79-34-5	1,1,2,2-Tetrachloroethane		10	ע
	Chlorobenzene		10	ע
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Total Xylenes		10	U
	Dichlorodifluoromethane		10	U
	Trichlorofluoromethane		10	U
			- -	

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name COTT Dieffelle Combine ob		ENV-9		
Lab Name: STL Buffalo Contract:		<u> </u>		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample	ID: <u>A5B649</u>	01	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File II	D: <u>Q8415.</u>	RR	
Level: (low/med) <u>LOW</u>	Date Samp/1	Recv: <u>10/17/</u>	2005 <u>10/</u>	17/2005
% Moisture: not dec Heated Purge: N	Date Analy:	zed: <u>10/26/</u>	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Fa	actor: <u>1.</u>	<u>00</u>	
Soil Extract Volume: (uL)	Soil Alique	ot Volume:	(uL)
CAS NO. COMPOUND	CONCENTRATION (ug/L or ug/K		Q	
156-59-2Cis-1,2-Dichloroethene 110-82-7Methylcyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane		10 10 10 1 10 10 10 10 10 10 10	ממממממממממ	

79-20-9-----Methyl acetate_

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	: STL Buffalo	Contract:		ENV-9
		.: SAS No.:		_
Matrix:	(soil/water) <u>WATER</u>		Lab Sample I	D: <u>A5B64901</u>
Sample wt	c/vol: <u>5.00</u>	0 (g/mL) <u>ML</u>	Lab File ID:	<u>08415.RR</u>
Level:	(low/med) <u>LOW</u>		Date Samp/Re	cv: <u>10/17/2005</u> <u>10/17/2005</u>
% Moistur	re: not dec	_	Date Analyze	d: <u>10/26/2005</u>
GC Column	n: <u>DB-624</u> ID:	: <u>0.25</u> (mm)	Dilution Fac	tor: <u>1.00</u>
Soil Extr	ract Volume:	(uL)	Soil Aliquot	Volume: (uL)
Number Tl	ICs found:0		CONCENTRATION (ug/L or ug/K	
•	CAS NO.	Compound Name	RT E	st. Conc. Q

Vial: 9

Multiplr: 1.00

Quantitation Report

Data File: C:\HPCHEM\1\DATA\102505\Q8415.D

Acq On : 26 Oct 2005 00:59

Operator: CDC Sample : A5B64901 Inst : HP5973 Q

Misc

MS Integration Params: rteint.p Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 07:35:52 2005 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102505\Q8410.D Abundance TIC: Q8415.D 1350000 1300000 CS05 Toluene-d8,S 1250000 GI29 Chlorobenzene-d5,[1200000 Ci10 1,4-Difluorobenzene,1 1150000 1100000 1050000 CS10 p-Bromofluorobenzene,S 1000000 950000 900000 850000 800000 750000 CI01 Bromochloromethane,I 700000 CS15 1,2-Dichloroethane-d4,S 650000 600000 550000 500000 450000 400000 350000 300000 C056 cis-1,2-Dichloroethene,T 250000 200000 150000 100000 50000

3.00

2.00

Time-->

4.00

5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

STL Buffalo

Data File : C:\HPCHEM\1\DATA\102505\Q8415.D

Vial: 9 : 26 Oct 2005 00:59 Acq On Operator: CDC

: A5B64901 Sample Inst : HP5973 Q Multiplr: 1.00

Misc

MS Integration Params: rteint.p Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 07:35:52 2005

Samo lofreror Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI01 Bromochloromethane	4.94	128	105416	250.00 ng	
22) CI10 1,4-Difluorobenzene	5.77	114	652383	250.00 ng	90.11% 0.00 88.29%
36) CI20 Chlorobenzene-d5	8.39	117	564030	250.00 ng	
System Monitoring Compounds 19) CS15 1,2-Dichloroethane-d Spiked Amount 250.000 Rang 42) CS05 Toluene-d8 Spiked Amount 250.000 Rang 48) CS10 p-Bromofluorobenzene Spiked Amount 250.000 Rang	ge 76 7.06 ge 88 9.51	- 114 98 - 110 95	Recove 684522 Recove 261642	ry = 103 250.56 ng ry = 100 235.63 ng	.79% 0.00 .22%
Target Compounds					Qvalue
2) C290 Dichlorodifluorometh				N.D.	
3) C010 Chloromethane	1.87		445	N.D.	
4) C015 Bromomethane	0.00		0	N.D.	
5) C020 Vinyl Chloride	0.00		0	N.D.	
6) C025 Chloroethane	2.45		445	N.D.	
7) C030 Methylene Chloride			130	N.D.	
8) C035 Acetone	3.21		1522	N.D.	
9) C040 Carbon Disulfide	3.33		1947	N.D.	
10) C275 Trichlorofluorometha	0.00		0	N.D.	
11) C045 1,1-Dichloroethene	0.00		0	N.D.	
12) C291 1,1,2-Trichloro-1,2,	0.00		0	N.D.	
13) C962 T-butyl methyl ether	0.00	73	0	N.D.	
14) C050 1,1-Dichloroethane	4.21		8226		
15) C255 Methyl Acetate	3.53			N.D.	
16) C057 trans-1,2-dichloroet		96		N.D.	
(17) C056 cis-1,2-Dichloroethe				7.34 ng	94
	0.00	83	0	N.D.	
·	0.00	_	125	N.D.	
·	4.74	43	135	N.D.	0
	5.16	56	133	N.D.	ald.
24) C012 Methylcyclohexane 25) C115 1,1,1-Trichloroethan	6.14 0.00	83	307	N.D.	1/00
26) C120 Carbon Tetrachloride	0.00	97 117	0	N.D. N.D.	10/3/05
				IN . D .	

^{(#) =} qualifier out of range (m) = manual integration

STL Buffalo Quantitation Report

Data File : C:\HPCHEM\1\DATA\102505\Q8415.D

Vial: 9 : 26 Oct 2005 00:59 Acq On Operator: CDC

Sample : A5B64901 Inst: HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

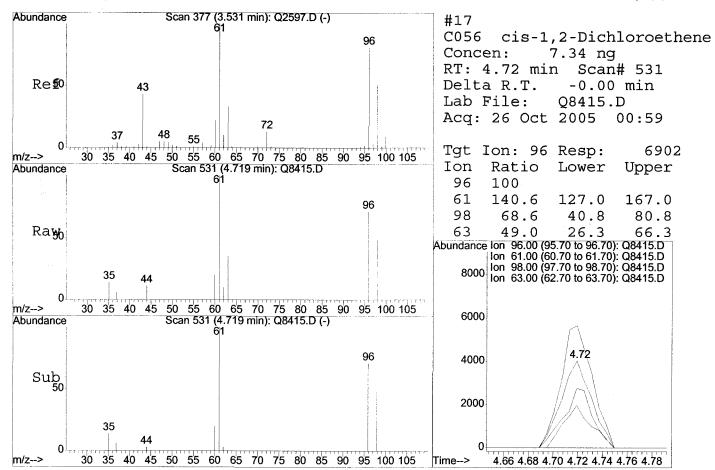
Last Update : Wed Oct 26 07:35:52 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

(Compound			QIon	Response	Conc Unit	Qvalue
27) (C130	Bromodichloromethane	6.14	83	307	N.D.	
28) (C140	1,2-Dichloropropane	0.00	63	0	N.D.	
29) (C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
30) (C150	Trichloroethene	6.01	130	3399	N.D.	
31) (C165	Benzene	5.46	78	4656	N.D.	
32) (C155	Dibromochloromethane	0.00	129	0	N.D.	
33) (C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
34) (C160	1,1,2-Trichloroethan	0.00	97	0	N.D.	
35) (C180	Bromoform	0.00	173	0	N.D.	
37) (C163	1,2-Dibromoethane	0.00	107	0	N.D.	
38) (4-Methyl-2-Pentanone	7.06	43	3660	N.D.	
39) (C215	2-Hexanone		43	0	N.D.	
	C220	Tetrachloroethene		164	0	N.D.	
41) (C225	1,1,2,2-Tetrachloroe	7.06	83	707	N.D.	
43) (7.12	91	1642	N.D.	
	C235	Chlorobenzene	8.43	112		N.D.	
45) (Ethylbenzene	8.49	106	761	N.D.	
	C246	*	8.60	106		N.D.	
	C247	o-Xylene	8.60	106		N.D.	
-	C245	-	9.00	104		N.D.	
	C966	Isopropylbenzene				N.D.	
	C260	1,3-Dichlorobenzene		146	499	N.D.	
•	C267	1,4-Dichlorobenzene				N.D.	
	C249	•				N.D.	
		1,2-Dibromo-3-chloro				N.D.	
55) (C313	1,2,4-Trichlorobenze	12.12	180	152	N.D.	





Tentatively Identified Compound (LSC) summary

Operator ID: CDC Date Acquired: 26 Oct 2005 00:59

Data File: C:\HPCHEM\1\DATA\102505\Q8415.D

Name: A5B64901

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5102220.M (RTE Integrator)

Title: CLPOLM04.2 WATERS

Library Searched: C:\DATABASE\NIST98.L

TIC Top	Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
								. – – – –
08415.D	A5I02220.M		Wed Oct 26 15:3	0:53 2	005	HP5973	-0	

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

-		
ΙF	B101705	
-		

Lab	Name:	STL Buffalo	Contract:	
-----	-------	-------------	-----------	--

Lab Code: RECNY Case No.: ____ SAS No.: ___ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64910

Sample wt/vol: $\underline{5.00}$ (g/mL) \underline{ML} Lab File ID: $\underline{Q8381.RR}$

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/17/2005</u> <u>10/17/2005</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/24/2005

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

		CONCENTRATION U		
CAS NO.	COMPOUND	(ug/L or ug/Kg)) <u>UG/L</u>	Q
74-87-3	Chloromethane		10	ט
74-83-9	-Bromomethane		10	ט
75-01-4	-Vinyl chloride		10	ן ט
75-00-3	-Chloroethane		10	ע
75-09-2	-Methylene chloride		10	ע
67-64-1	Acetone		2	J
75-15-0	-Carbon Disulfide		10	ט
75-35-4	-1,1-Dichloroethene		10	ט
75-34-3	-1,1-Dichloroethane		10	ט
67-66-3	-Chloroform		10	ט
107-06-2	-1,2-Dichloroethane		10	י ט
78-93-3	-2-Butanone		10	ע
71-55-6	-1,1,1-Trichloroethane		10	U
56-23-5	-Carbon Tetrachloride		10	ן ט
75-27-4	-Bromodichloromethane		10	ט
	-1,2-Dichloropropane		10	ע
10061-01-5	-cis-1,3-Dichloropropene		10	ן ט
	Trichloroethene		10	ע
124-48-1	-Dibromochloromethane		10	U
79-00-5	-1,1,2-Trichloroethane		10	U
71-43-2			10	U
10061-02-6	-trans-1,3-Dichloropropene		10	U
75-25-2	Bromoform		10	U
108-10-1	-4-Methyl-2-pentanone		10	ן ט
591-78-6	-2-Hexanone		10	U
	-Tetrachloroethene		10	U
108-88-3	-Toluene		10	U
79-34-5	-1,1,2,2-Tetrachloroethane		10	U
108-90-7	-Chlorobenzene		10	U
100-41-4	-Ethylbenzene		10	U
100-42-5	-Styrene		10	U
	-Total Xylenes		10	U
75-71-8	-Dichlorodifluoromethane		10	U
75-69-4	-Trichlorofluoromethane		10	υ

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

		FB101705	
Lab Name: STL Buffalo Contract:		L	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	-	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B64910	
Sample wt/vol: 5.00 (g/mL) $\underline{\text{ML}}$	Lab File ID:	<u>0</u> 8381.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/17/2005	10/17/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/24/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume:	_ (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q
106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene		10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U U U	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buff	alo	Contract:			FB101703
Lab Code: <u>RECNY</u>	Case No.:	_ SAS No.:		SDG No.:	
Matrix: (soil/wate	r) <u>WATER</u>			Lab Sample ID:	A5B64910
Sample wt/vol:	5.00 (g/mL) <u>ML</u>		Lab File ID:	Q8381.RR
Level: (low/med)	LOW			Date Samp/Recv:	10/17/2005 10/17/2005
% Moisture: not de	c			Date Analyzed:	10/24/2005
GC Column: <u>DB-624</u>	ID: <u>0.25</u>	(mm)		Dilution Factor	:1.00
Soil Extract Volum	ne: (uL)			Soil Aliquot Vo.	lume: (uL)
Number TICs found:	1		,	CONCENIRATION UNI (ug/L or ug/Kg)	
		7			

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.73	6	J

Quantitation Report

Data File : C:\HPCHEM\1\DATA\102405\Q8381.D

Acq On : 24 Oct 2005 14:17

Operator: JMB Sample : A5B64910 Inst : HP5973 Q

Misc

MS Integration Params: rteint.p

Multiplr: 1.00

Quant Results File: A5I02197.RES

Vial: 14

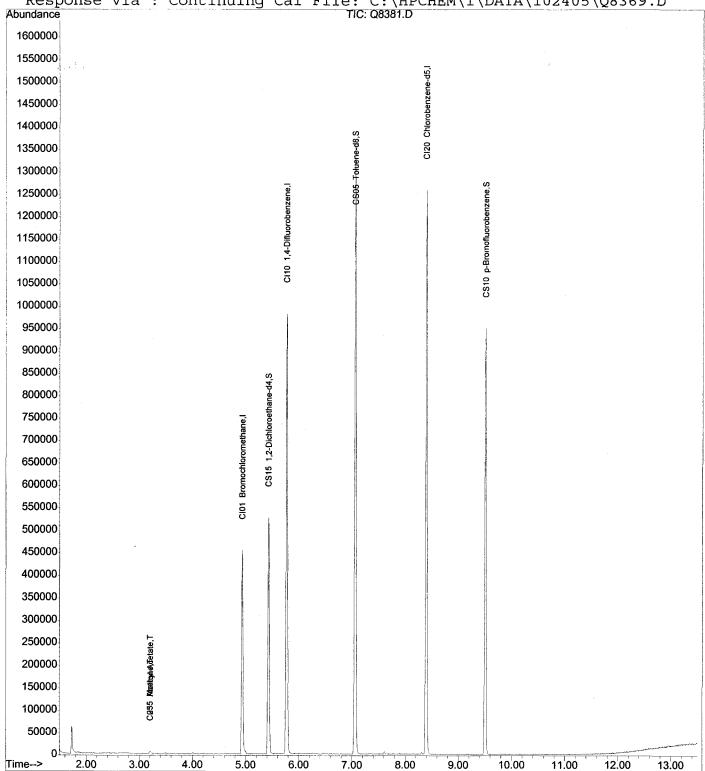
Quant Time: Oct 24 23:06 2005

Method : C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

Response via: Continuing Cal File: C:\HPCHEM\1\DATA\102405\Q8369.D



STL Buffalo

Vial: 14

Data File : C:\HPCHEM\1\DATA\102405\Q8381.D : 24 Oct 2005 14:17 Acq On Operator: JMB

Sample : A5B64910 Inst: HP5973 Q Multiplr: 1.00

Misc

MS Integration Params: rteint.p

Quant Time: Oct 24 23:06 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth : VOA

DataAcq Meth: VOA

IS QA File : C:\HPCHEM\1\DATA\102405\Q8369.D (24 Oct 2005 8:28)

Internal Standards	R.T.	QIon	Response	Conc Unit	Rcv(Ar)
1) CI01 Bromochloromethane	4.94	128	101582	250.00 ng	9 0.00 79.76%
22) CI10 1,4-Difluorobenzene	5.77	114	693207	250.00 ng	
36) CI20 Chlorobenzene-d5	8.39	117	640472	250.00 ng	
System Monitoring Compounds	5 40	65	272750	276 05	
19) CS15 1,2-Dichloroethane-d Spiked Amount 250.000 Rang				-	g 0.00 L0.42%
42) CS05 Toluene-d8	7.06	- 114 98	863925	244.75 ng	
Spiked Amount 250.000 Rang					97.90%
-	9.51				
Spiked Amount 250.000 Rang		- 115		-	92.00%
Target Compounds					Qvalue
2) C290 Dichlorodifluorometh	0.00	85	0	N.D.	
	1.73	50	480	N.D.	
4) C015 Bromomethane	0.00	94	0	N.D.	
	0.00	62	0	N.D.	
6) C025 Chloroethane	0.00	64	0	N.D.	
7) C030 Methylene Chloride	0.00	84	0	N.D.	:
8 C035 Acetone 9 C040 Carbon Disulfide	3.20	43	9066	7.97 ng	g 89
9 C040 Carbon Disulfide 10) C275 Trichlorofluorometha	0.00	76	0	N.D.	
11) C045 1,1-Dichloroethene	0.00	101 96	0 0	N.D.	
12) C291 1,1,2-Trichloro-1,2,	0.00	101	0	N.D. N.D.	
13) C962 T-butyl methyl ether	0.00	73	0	N.D.	
14) C050 1,1-Dichloroethane	0.00	63	Ö	N.D.	
15) C255 Methyl Acetate	3.20		9066	 9.09 ne	- # 6 5
16) C057 trans-1,2-dichloroet	0.00		0	N.D.	, , , ,
17) C056 cis-1,2-Dichloroethe	4.93		138	N.D.	
18) C060 Chloroform	5.00	83	3325	N.D.	
20) C065 1,2-Dichloroethane	0.00	62	0	N.D.	•
21) C110 2-Butanone	4.75	43	1291	N.D.	λ_{l}
23) C256 Cyclohexane	0.00	56	0	N.D.	
24) C012 Methylcyclohexane	6.47	83	1945	N.D.	1-2 ([/ () ()
25) C115 1,1,1-Trichloroethan	0.00	97	0	N.D.	,n/31/°
26) C120 Carbon Tetrachloride	0.00	117	0	N.D.	ζυ ζ
/U)					

Vial: 14

STL Buffalo Quantitation Report

Data File : C:\HPCHEM\1\DATA\102405\Q8381.D

: 24 Oct 2005 14:17 Acq On

Operator: JMB : A5B64910 Sample Inst : HP5973 Q

Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 24 23:06 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

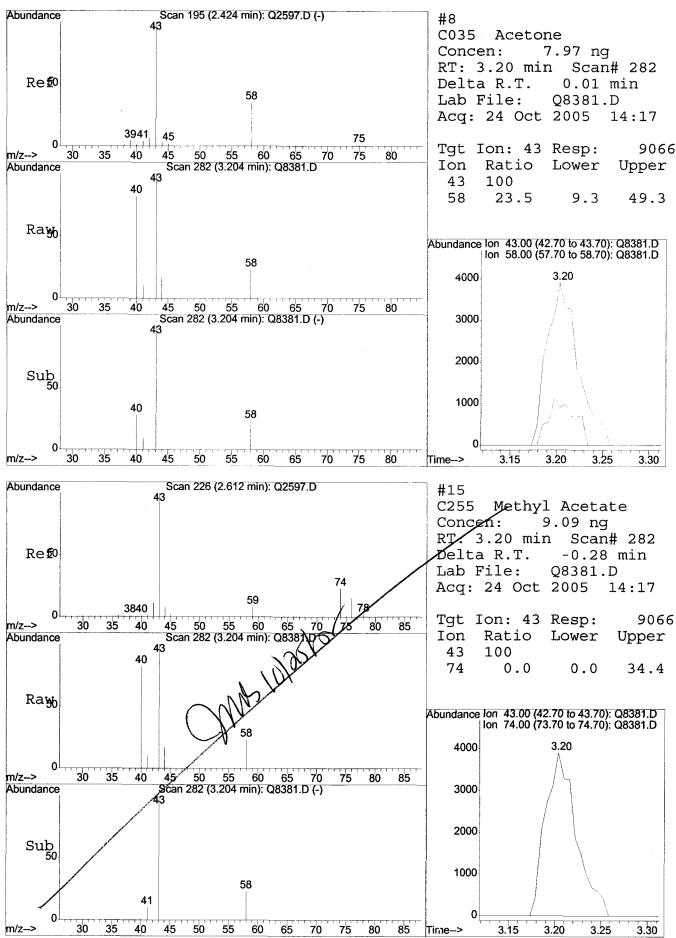
Last Update : Mon Oct 24 23:05:09 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth : VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	Qvalue
27)	C130	Bromodichloromethane	6.47	83	1945	N.D.	
	C140		0.00	63	0	N.D.	
29)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
30)		Trichloroethene	6.00	130	135	N.D.	
31)		Benzene	0.00	78	0	N.D.	
	C155	Dibromochloromethane	7.89	129	447	N.D.	
33)		• • • • • • • • • • • • • • • • • • •	0.00	75		N.D.	
34)			0.00		0	N.D.	
	C180			173	138	N.D.	
37)		1,2-Dibromoethane		107		N.D.	
	C210	4-Methyl-2-Pentanone				N.D.	
	C215	2-Hexanone		43	0	N.D.	
40)		Tetrachloroethene		164		N.D.	
41)		1,1,2,2-Tetrachloroe	7.07	83	797	N.D.	
	C230		7.12	91		N.D.	
44)			0.00	112		N.D.	
45)		Ethylbenzene	0.00	106		N.D.	
	C246	· - -	0.00	106		N.D.	
47)		_	9.51	106		N.D.	
49)			9.51	104		N.D.	
	C966	Isopropylbenzene		105		N.D.	
51)		1,3-Dichlorobenzene		146		N.D.	
52)		1,4-Dichlorobenzene		146	0	N.D.	
	C249	•		146	0	N.D.	
			0.00		0	N.D.	
55)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	





Library Search Compound Report

Vial: 14 Data File : C:\HPCHEM\1\DATA\102405\Q8381.D Acq On : 24 Oct 2005 14:17 Operator: JMB

Sample : A5B64910 Inst : HP5973 Q Misc Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS
Library : C:\DATABASE\NIST98.L

Peak Number 1 Isobutane

Concentration Rank 1

R.T.	EstConc	Area	Relati	ve to ISTD	IS Area	R.T.
1.73	29.42 ng	97213	CI01	Bromochloro	826202	4.94

Hit# of 5 Tentative ID	MW MolFor	cm CAS# Qual
1 Isobutane 2 Borane, trimethyl- 3 Propene 4 Cyclobutylamine Abundance Scan 40 (1.731 min): Q8381.D (-)	58 C4H10 56 C3H9B 42 C3H6 71 C4H9N	000075-28-5 78 000593-90-8 5 000115-07-1 4 002516-34-9 4 m/z 43.10 100.00%
5000	50 56 ⁵⁸	1.60 1.70 1.80 1.90 2.00 2.10 m/z 41.10 58.19%
m/z> 0 5 10 15 20 25 30 35 40 45 Abundance #109242: Isobutane 43	50 55 60 65	111/2 41.10 56.19%
5000 27 39 15 30 m/z-> 0 5 10 15 20 25 30 35 40 45 Abundance #1634: Borane, trimethyl-	50 53 57 50 55 60 65	1.60 1.70 1.80 1.90 2.00 2.10 m/z 42.10 35.53%
5000 #1034. Borane, difficulty-		1.60 1.70 1.80 1.90 2.00 2.10 m/z 39.00 26.47%
m/z-> 0 5 10 15 20 25 30 35 40 45 Abundance #1533: Propene	50 53 56 50 55 60 65	1.60 1.70 1.80 1.90 2.00 2.10
5000		m/z 44.05 5.82%
m/z> 0 5 10 15 20 25 30 35 40 45	50 55 60 65	1.60 1.70 1.80 1.90 2.00 2.10

Tentatively Identified Compound (LSC) summary

Operator ID: JMB Date Acquired: 24 Oct 2005 14:17

Data File: C:\HPCHEM\1\DATA\102405\Q8381.D

Name: A5B64910

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title: CLPOLM04.2 WATERS

Library Searched: C:\DATABASE\NIST98.L

TIC Top	Hit name	RT E	EstConc Units	Area	IntStd	ISRT	ISArea ISConc
Isobutane		1.73	29.4 ng	97213	3 ISTD01	4.94	826202 250.0
08381.D	A5T02197.M	₩e	ed Oct 26 11.	54.53 20	005	HP5973-	-0

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

FD10170	5	
1		

Lab Name:	STL Buffalo	Contract:
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Lab Code: RECNY Case No.: ____ SAS No.: ___ SDG No.: ___

Matrix: (soil/water) WATER Lab Sample ID: A5B64909

Sample wt/vol: $\underline{5.00}$ (g/mL) \underline{ML} Lab File ID: $\underline{Q8382.RR}$

Level: (low/med) Low Date Samp/Recv: $\underline{10/17/2005}$ $\underline{10/17/2005}$

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/24/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

~- ~		CONCENTRATION UNI		_
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
74-87-3	Chloromethane		10	U
	Bromomethane		10	ט
75-01-4	Vinyl chloride		10	ט
	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1			10	ט
75-15-0	Carbon Disulfide		10	ט
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	ប
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	ט
78-87-5	1,2-Dichloropropane		10	ט
10061-01-5	cis-1,3-Dichloropropene		10	ט
79-01-6	Trichloroethene		10	ט
	Dibromochloromethane		10	U
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2			10	U
	trans-1,3-Dichloropropene		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
	Tetrachloroethene		10	U
108-88-3			10	ט -
79-34-5	1,1,2,2-Tetrachloroethane		10	U
	Chlorobenzene		10	U
	Ethylbenzene		10	U
100-42-5			10	บ
1330-20-7	Total Xylenes		10	U
	Dichlorodifluoromethane		10	U
75-69-4	Trichlorofluoromethane		10	U

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Ish Name: CUI Duffala	Cloubseat		FD101	705	
Lab Name: <u>STL Buffalo</u>	Contract:				
Lab Code: <u>RECNY</u> Case No.:	: SAS No.:	SDG No.: _	· · · · · · · · · · · · · · · · · · ·		
Matrix: (soil/water) WATER		Lab Sample	ID: <u>A5B649</u>	909	
Sample wt/vol: 5.00	(g/mL) <u>ML</u>	Lab File ID	: <u>Q8382</u> .	RR	
Level: (low/med) <u>LOW</u>		Date Samp/R	ecv: <u>10/17/</u>	<u>2005</u> 10	/17/2005
% Moisture: not dec	Heated Purge: N	Date Analyz	ed: <u>10/24/</u>	<u>′2005</u>	
GC Column: <u>DB-624</u> ID: _	0.25 (mm)	Dilution Fa	ctor: <u>1.</u>	00	
Soil Extract Volume:	(uL)	Soil Aliquo	t Volume: _		(uL)
CAS NO. COMPO	DUND	CONCENTRATION U (ug/L or ug/Kg		Q	
156-60-5trans 1634-04-4Methy 156-59-2Cyclo 110-82-7Methy 108-87-2Methy 106-93-41,2-I 98-82-8Isopi 541-73-11,3-I 106-46-71,4-I 95-50-11,2-I 96-12-81,2-I	v1-t-Butyl Ether (MTBE) 1,2-Dichloroethene 2,1cyclohexane 2,1cyclohexane 2,2cyclohexane 2,2cyclo		10 10 10 1 10 10 10 10 10 10 10		

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>STL Buffalo</u>	Contract:	_	FD10170	5 ————	
Lab Code: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:	<u></u>		
Matrix: (soil/water) <u>WATER</u>		Lab Sample :	ID: <u>A5B649</u>	09	
Sample wt/vol: 5.0	0 (g/mL) <u>ML</u>	Lab File ID	<u>Q8382.</u>	RR	- .
Level: (low/med) <u>LOW</u>		Date Samp/Re	ecv: <u>10/17/</u>	2005 10/	/17/2005
% Moisture: not dec	_	Date Analyze	ed: <u>10/24/</u>	2005	
GC Column: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution Fac	ctor:1.	<u>00</u>	
Soil Extract Volume:	(uL)	Soil Aliquot	t Volume:	·	(uL)
Number TICs found: <u>0</u>		CONCENTRATION (ug/L or ug/l		_	
CAS NO.	Compound Name	RT I	Est. Conc.	Q	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\102405\Q8382.D

Acq On : 24 Oct 2005 14:46

Operator: JMB Sample : A5B64909 Inst : HP5973 Q

Misc

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 24 23:06 2005

Quant Results File: A5I02197.RES

Vial: 15

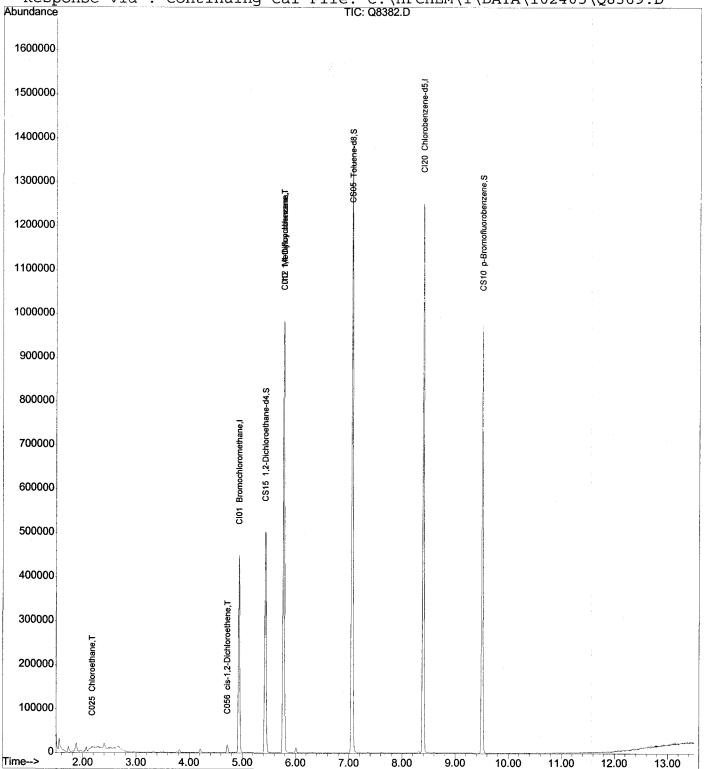
Method

: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102405\Q8369.D



STL Buffalo

Vial: 15

Multiplr: 1.00

Data File: C:\HPCHEM\1\DATA\102405\Q8382.D

: 24 Oct 2005 14:46 Acq On

Operator: JMB Sample : A5B64909 Inst : HP5973 Q

Misc

MS Integration Params: rteint.p

Quant Time: Oct 24 23:06 2005 Ouant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102405\Q8369.D (24 Oct 2005 8:28)

Internal Standards			-	Conc Uni	D ~	- / 7)
1) CI01 Bromochloromethane					ıg	
22) CI10 1,4-Difluorobenzen	e 5.78	114	683106	250.00 n	ıg	
36) CI20 Chlorobenzene-d5	8.40	117	633916	250.00 n	ıg	
System Monitoring Compounds 19) CS15 1,2-Dichloroethane	-d 5.43	65	373505	280.22 n	a	0.00
Spiked Amount 250.000	Range 76	- 114	Recov	ery = 1	12.09%	i
42) CS05 Toluene-d8	7.06	98	854426	244.56 n	ıg	0.00
Spiked Amount 250.000	Range 88	- 110	Recov	ery =	97.82%	i
48) CS10 p-Bromofluorobenze						
Spiked Amount 250.000	Range 86	- 115	Recov	ery =	93.19%	
Target Compounds					O±2	alue
2) C290 Dichlorodifluorome	th 0.00	85	0	N.D.	Qv	arue
3) C010 Chloromethane			263			
4) C015 Bromomethane			0	N.D.		
5) CO20 Vinvl Chloride	0 00		0	N.D.		
6) C025 Chloroethane	2.17	64	20867	43.92 n	g #	4 1
7) C030 Methylene Chloride	0.00		0	N.D.		
8) C035 Acetone	3.21		1531	N.D.	ē	
9) C040 Carbon Disulfide			1990	N.D.		
10) C275 Trichlorofluoromet			0	N.D.		
11) C045 1,1-Dichloroethene			0	N.D.		
12) C291 1,1,2-Trichloro-1,			0	N.D.		
13) C962 T-butyl methyl eth			0	N.D.		
14) C050 1,1-Dichloroethane			8863	N.D.		
15) C255 Methyl Acetate	3.51	43	556	N.D.		
16) C057 trans-1,2-dichloro 17) C056 cis-1,2-Dichloroet	et 3.82	96	2406		11	2.0
(17) C056 cis-1,2-Dichloroet 18) C060 Chloroform	ne 4.72	96	7246		g #	88
	0.00	83	0	N.D.		
20) C065 1,2-Dichloroethane 21) C110 2-Butanone			0			
21) C110 2-Butanone 23) C256 Cyclohexane	4.77	43 56 -	141	N.D.		
24) C012 Methylcyclohexane	5.78	83	10610	N.D. 6.97 n	 #	90
25) C115 1,1,1-Trichloroeth		97	141	N.D.	g #	1 . 6
26) C120 Carbon Tetrachlori		117	0	N.D.		Dr. 0/31/05
					-	/0/s ,

Vial: 15

Data File : C:\HPCHEM\1\DATA\102405\Q8382.D

Acq On : 24 Oct 2005 14:46 Operator: JMB Sample : A5B64909 Inst : HP5973 Q

Misc

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 24 23:06 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

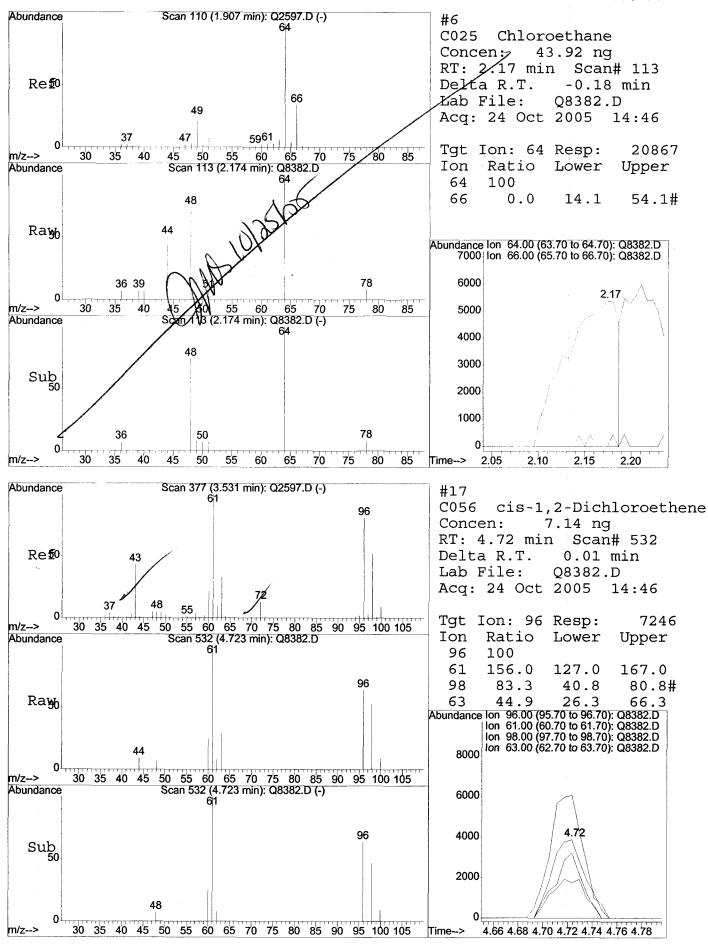
Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

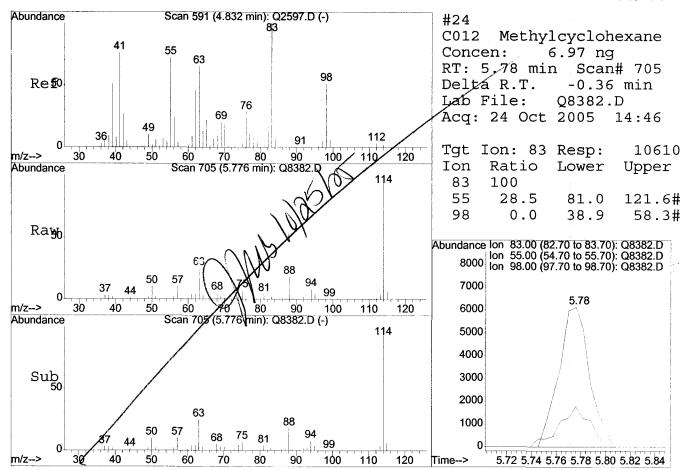
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
27)	C130	Bromodichloromethane	7.07	83	763	N.D.	
28)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
29)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
30)	C150	Trichloroethene	6.01	130	3983	N.D.	
31)	C165	Benzene	5.47	78	4950	N.D.	
	C155	Dibromochloromethane		129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
	C160	1,1,2-Trichloroethan	0.00	97	0	N.D.	
35)		Bromoform	0.00	173	0	N.D.	
37)		1,2-Dibromoethane	0.00	107	0	N.D.	
	C210		7.07	43	4594	N.D.	
	C215					N.D.	
40)						N.D.	
	C225					N.D.	
	C230		7.12			N.D.	
44)			0.00	112	0	N.D.	
	C240				313	N.D.	
	C246		8.60	106	582	N.D.	
47)		o-Xylene	8.60	106	582	N.D.	
	C245	Styrene	9.50	104	1261	N.D.	
	C966	Isopropylbenzene	9.33			N.D.	
51)		1,3-Dichlorobenzene		146	0	N.D.	
	C267	•		146		N.D.	
		1,2-Dichlorobenzene	0.00	146	0	N.D.	
	C286	•	0.00	75		N.D.	
55)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	



HP5973-Q





Tentatively Identified Compound (LSC) summary

Operator ID: JMB Date Acquired: 24 Oct 2005 14:46 Data File: C:\HPCHEM\1\DATA\102405\Q8382.D

Name: A5B64909

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title: CLPOLM04.2 WATERS

Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
08382.D A5T02197.M		Wed Oct 26 11:5	4:55 2	005	HP5973	-0	

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

		GW-3
Lab Name: <u>STL Buffalo</u>	Contract:	<u> </u>

Lab Code: RECNY Case No.: ____ SAS No.: ___ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64902

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8417.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/17/2005</u> <u>10/17/2005</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/26/2005

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

		CONCENTRATION U		
CAS NO.	COMPOUND	(ug/L or ug/Kg	y) <u>UG/L</u>	Q
74-87-3	-Chloromethane		10	ט
74-83-9	-Bromomethane		10	ע
75-01-4	-Vinyl chloride		10	ע
75-00-3	-Chloroethane		10	U
75-09-2	-Methylene chloride		10	ע
67-64-1			10	ע
75-15-0	-Carbon Disulfide		10	U
75-35-4	-1,1-Dichloroethene		10	ע
75-34-3	-1,1-Dichloroethane		10	U
67-66-3	-Chloroform		10	ע
107-06-2	-1,2-Dichloroethane		10	U
78-93-3	-2-Butanone		10	ע
71-55-6	-1,1,1-Trichloroethane		10	U
56-23-5	-Carbon Tetrachloride		10	U
75-27-4	-Bromodichloromethane		10	U
78-87-5	-1,2-Dichloropropane		10	U
10061-01-5	-cis-1,3-Dichloropropene		10	ש
	-Trichloroethene		10	U
124-48-1	-Dibromochloromethane		10	U
79-00-5	-1,1,2-Trichloroethane		10	U
71-43-2	-Benzene		10	U
10061-02-6	-trans-1,3-Dichloropropene		10	U
75-25-2			10	U
108-10-1	-4-Methyl-2-pentanone		10	ע
591-78-6			10	U
	-Tetrachloroethene		10	U
108-88-3	-Toluene		10	U
79-34-5	-1,1,2,2-Tetrachloroethane		10	U
	-Chlorobenzene		10	U
	-Ethylbenzene		10	U
100-42-5	-Styrene		10	U
1330-20-7	-Total Xylenes		10	ע
	-Dichlorodifluoromethane		10	U
75-69-4	-Trichlorofluoromethane		10	U

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:		GW-3		
Lab Name: SIL Bullato Concract:				
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample II	D: <u>A5B649</u>	02	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	<u>08417.</u>	RR	
Level: (low/med) <u>LOW</u>	Date Samp/Red	cv: <u>10/17/</u>	2005 <u>10/</u>	17/2005
% Moisture: not dec Heated Purge: N	Date Analyze	d: <u>10/26/</u>	<u> 2005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Fac	tor: <u>1.</u>	00	
Soil Extract Volume: (uL)	Soil Aliquot	Volume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		10 10 10 10 10 10 10 10 10 10 10	ממממממממממממ	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	: STL Buffalo	Contract:						
Lab Code:	: <u>RECNY</u> Case No	.: SAS No.:	SD	G No.:	<u>.</u>			
Matrix:	(soil/water) <u>WATER</u>		L	ab Samp	le ID:	A5B6490	2	
Sample wt	:/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	L	ab File	ID:	<u>Q8417.R</u>	R	
Level:	(low/med) <u>LOW</u>		D	ate Sam	p/Recv:	10/17/2	<u>005</u> <u>1</u>	.0/17/2005
% Moistur	re: not dec	_	D	ate Ana	lyzed:	10/26/2	<u>005</u>	
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	D	ilution	Factor	:1.0	Ō	
Soil Ext	ract Volume:	(սL)	S	bil Ali	quot Vo	lume:		(uL)
Number TI	ICs found:0				'ION UNI'. ug/Kg)	rs: <u>ug/l</u>		
	CAS NO.	Compound Name		RT	Est.	Conc.	Q]

Vial: 11

Multiplr: 1.00

Quantitation Report

Data File: C:\HPCHEM\1\DATA\102505\Q8417.D

Acq On : 26 Oct 2005 1:56

Operator: CDC Sample : A5B64902 Inst : HP5973 Q

Misc

MS Integration Params: rteint.p

Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5102220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 07:35:52 2005 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102505\Q8410.D Abundance TIC: Q8417.D 1300000 1250000 CS05 Toluene-d8,S 1200000 1150000 1100000 1050000 CS10 p-Bromofluorobenzene,S 1000000 950000 900000 850000 800000 750000 700000 CI01 Bromochloromethane,I CS15 1,2-Dichloroethane-d4,S 650000 600000 550000 500000 450000 400000 350000 300000 250000 200000 150000 100000 50000

3.00

4.00

5.00

6.00

2.00

Time-->

7.00

8.00

9.00

10.00

11.00

12.00

13.00

STL Buffalo

Vial: 11

HP5973-Q

Page 1

Data File : C:\HPCHEM\1\DATA\102505\Q8417.D

: 26 Oct 2005 Acq On 1:56

Operator: CDC Sample : A5B64902 Inst: HP5973 Q Multiplr: 1.00

Misc

MS Integration Params: rteint.p Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38 DataAcq Meth : VOA

IS OA File

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal Standards	R.T.	QIon	Response	Conc Unit	s Dev(Min)
					Rcv(Ar)
1) CI01 Bromochloromethane	4.94	128	101712	250.00 nc	
					86.94%
22) CI10 1,4-Difluorobenzene	5.78	114	625857	250.00 ng	0.00
				1	84.70%
36) CI20 Chlorobenzene-d5	8.39	117	548713	250.00 ng	0.00
					84.26%
System Monitoring Compounds					
19) CS15 1,2-Dichloroethane-d	5.43	65	303971	260.52 ng	0.00
Spiked Amount 250.000 Range	76	- 114	Recove		4.21%
42) CS05 Toluene-d8	7.06	98	652807	245.62 ng	0.00
Spiked Amount 250.000 Range 48) CS10 p-Bromofluorobenzene	88	- 110	Recove	ry = 9	8.25%
48) CS10 p-Bromofluorobenzene	9.51	95	253578	234.75 ng	0.00
Spiked Amount 250.000 Range	86	- 115	Recove	ry = 9	3.90%
					_
Target Compounds		0.5	,		Qvalue
2) C290 Dichlorodifluorometh			0		
3) C010 Chloromethane			131		
4) C015 Bromomethane			0		
5) C020 Vinyl Chloride			0		
			308		
<u> </u>			810		
9) C040 Carbon Disulfide			1280	N.D. N.D.	
10) C275 Trichlorofluorometha				N.D.	
11) C045 1,1-Dichloroethene				N.D.	
12) C291 1,1,2-Trichloro-1,2,				N.D.	
13) C962 T-butyl methyl ether	0.00	73	0	N.D.	
14) C050 1,1-Dichloroethane 15) C255 Methyl Acetate 16) C057 trans-1,2-dichloroet	4.72	63	130	N.D.	
15) C255 Methyl Acetate	3.22	43	810	N.D.	
16) C057 trans-1,2-dichloroet	0.00	96	0	N.D.	
17) C056 cis-1,2-Dichloroethe	4.71	96	581	N.D.	
18) C060 Chloroform	0.00	83	0	N.D.	, No
20) C065 1,2-Dichloroethane	0.00	62	0	N.D.	W81.6
21) C110 2-Butanone	0.00	43	0	N.D.	Va 12/10)
23) C256 Cyclohexane	0.00	56	0	N.D.	- 10/2.1
24) C012 Methylcyclohexane	5.77	83	10456	6.51 ng	# ` 26
25) C115 1,1,1-Trichloroethan	0.00	97	0	N.D.	
26) C120 Carbon Tetrachloride	0.00	117	0	N.D.	
(#) = qualifier out of ()					
(#) = qualifier out of range (m) =	= manı	iai int	tegration	*********	

Q8417.D A5I02220.M Wed Oct 26 07:36:23 2005

STL Buffalo

Vial: 11

Data File : C:\HPCHEM\1\DATA\102505\Q8417.D

Acq On : 26 Oct 2005 1:56

Operator: CDC : A5B64902 Sample Inst : HP5973 Q

Multiplr: 1.00 Misc

MS Integration Params: rteint.p

Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

: CLPOLM04.2 WATERS Title

Last Update : Wed Oct 26 07:35:52 2005

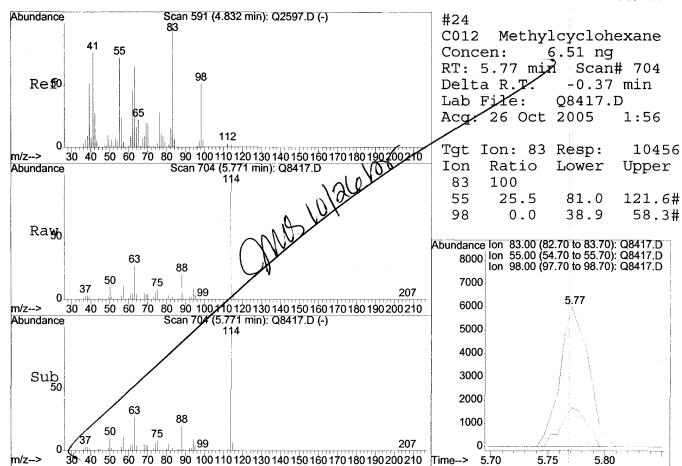
Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth: VOA

1.55 4.5	Compo	und	R.T.	QIon	Response	Conc Unit	Qvalue
27)	C130	Bromodichloromethane	6.14	83	131	N.D.	
28)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
29)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
	C150	Trichloroethene	0.00	130	0	N.D.	
31)	C165	Trichloroethene Benzene	5.45	78	6352	N.D.	
32)	C155	Dibromochloromethane	7.61	129	815	N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	97	0	N.D.	
		Bromoform	0.00	173	0	N.D.	
-	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
	C210					N.D.	
39)	C215	2-Hexanone				N.D.	
	C220						
	C225		7.07	83	414		
	C230				4233		
	C235	Chlorobenzene					
-	C240	Ethylbenzene	8.60		574		
	C246		8.60				
-	C247	o-Xylene Styrene	8.60	106		4	
	C245	Styrene	9.01	104	149	4 1	
	C966	Isopropylbenzene	9.32	105	309		
	C260	1,3-Dichlorobenzene	10.49	146	135		
	C267						
		1,2-Dichlorobenzene				3 :	
	C286	•				и.ф.	
55)	C313	1,2,4-Trichlorobenze	12.12	180	153	и.ф.	



HP5973-Q



1:56

Tentatively Identified Compound (LSC) summary

Operator ID: CDC Date Acquired: 26 Oct 2005
Data File: C:\HPCHEM\1\DATA\102505\Q8417.D

Name: A5B64902

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5102220.M (RTE Integrator)

Title: CLPOLM04.2 WATERS

Library Searched: C:\DATABASE\NIST98.L

TIC Top		EstConc Units			
	A5I02220.M	Wed Oct 26 15:3		HP5973+0	

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

TRIP	BLANK	

	66.3		TICLE	DIMINI
Lab Name:	<u>STL Buffalo</u>	Contract:	L	

Lab Code: RECNY Case No.: ____ SAS No.: ___ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64912

Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$ Lab File ID: $\underline{\text{Q8373.RR}}$

Level: (low/med) <u>LOW</u> Date Samp/Recv: $\underline{10/17/2005}$ $\underline{10/17/2005}$

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/24/2005

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

		CONCENTRATION (
CAS NO.	COMPOUND	(ug/L or ug/Kg	g) <u>UG/L</u>	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	ן ט
75-01-4	Vinyl chloride		10	ן טן
75-00-3	Chloroethane		10	ט
75-09-2	Methylene chloride		10	ן ט
67-64-1			10	ប
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
67-66-3	Chloroform		10	U
	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	ן ט
71-55-6	1,1,1-Trichloroethane		10	ע
56-23-5	Carbon Tetrachloride		10	ן ט
75-27-4	Bromodichloromethane		10	ע
	1,2-Dichloropropane		10	ט
10061-01-5	cis-1,3-Dichloropropene		10	ן ט
79-01-6	Trichloroethene		10	ט
	Dibromochloromethane		10	ן ט
79-00-5	1,1,2-Trichloroethane		10	ן ט
71-43-2	Benzene		10	ע
10061-02-6	trans-1,3-Dichloropropene		10	U
75-25-2	Bromoform		10	ן ט
108-10-1	4-Methyl-2-pentanone		10	ע
591-78-6	2-Hexanone		10	ן ט
	Tetrachloroethene		10	ט
108-88-3			10	ע
79-34-5	1,1,2,2-Tetrachloroethane		10	ע
108-90-7	Chlorobenzene		10	ע
	Ethylbenzene		10	U
100-42-5			10	U
	Total Xylenes		10	ע
75-71-8	Dichlorodifluoromethane		10	ע
75-69-4	Trichlorofluoromethane		10	ע

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

		TRIP	BLANK	
Lab Name: STL Buffalo Contract:				
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B649	12	
Sample wt/vol:5.00 (g/mL) ML	Lab File ID:	<u>0</u> 8373.	RR	_
Level: (low/med) <u>LOW</u>	Date Samp/Recv	r: <u>10/17/</u>	2005 10	/17/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/24/	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Facto	r: <u>1.</u>	<u>00</u>	
Soil Extract Volume: (uL)	Soil Aliquot V	olume: _		(uL)
CAS NO. COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-triflusis-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		10 10 10 10 10 10 10 10 10 10	ממממממממ	

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EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

I ah Mama.	ਾਧ Duffalo	Contract:			IRIP BLANK	
LaD Name:	SIL BULLATO	Contract:			i	
Lab Code:	RECNY Case No	.: SAS No.:	SDG No.:			
Matrix: ((soil/water) <u>WATER</u>		Lab Sampi	le ID:	A5B64912	
Sample wt	z/vol:5.00	0 (g/mL) <u>ML</u>	Lab File	ID:	<u>Q8373.RR</u>	
Level:	(low/med) <u>LOW</u>		Date Samp	p/Recv:	10/17/2005	10/17/2005
% Moistur	re: not dec	_	Date Ana	lyzed:	10/24/2005	
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.00	
Soil Extr	ract Volume:	(uL)	Soil Alio	quot Voli	ıme:	(uL)
Number TI	Cs found: 0		CONCENTRATION (ug/L or u			
	CAS NO.	Compound Name	RT	Est. (Conc. C	

Quantitation Report

Data File: C:\HPCHEM\1\DATA\102405\Q8373.D Acq On : 24 Oct 2005 10:32 Operator: JMB

Sample : A5B64912 Inst : HP5973 Q

Misc

Multiplr: 1.00

Vial: 6

MS Integration Params: rteint.p Quant Time: Oct 24 23:05 2005

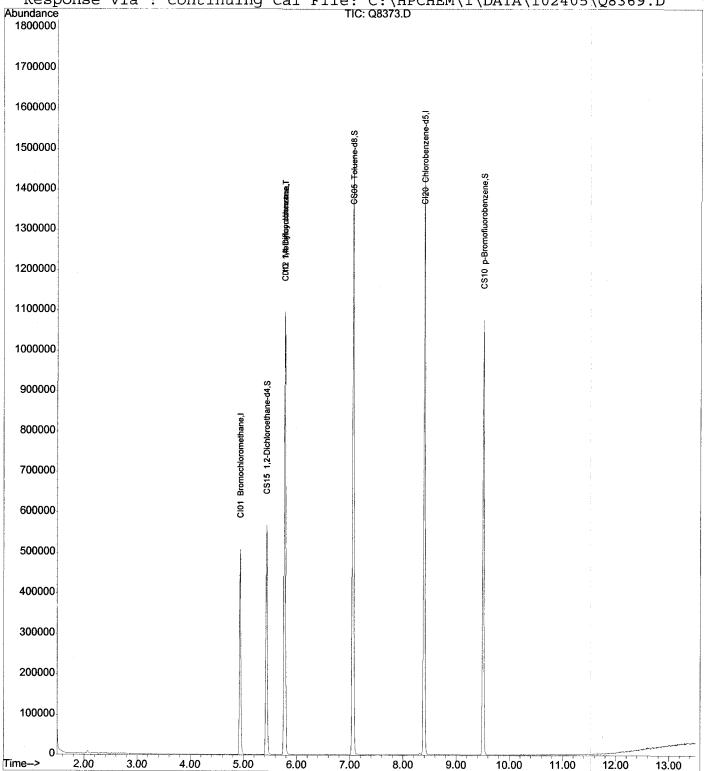
Quant Results File: A5I02197.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102405\Q8369.D



on My 10/20/2

ct STL Buffalo

MS Integration Params: rteint.p

Quant Time: Oct 24 23:05 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

(#) = qualifier out of range (m) = manual integration

Q8373.D A5I02197.M

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102405\Q8369.D (24 Oct 2005 8:28)

Internal S	tandards	R.T.	QIon	Response	Conc U	nits Dev(Min) Rcv(Ar)
1) CI01	Bromochloromethane	4.94	128	113861	250.00	
22) CI10	1,4-Difluorobenzene	5.77	114	785235	250.00	89.40% ng 0.00
						92.69%
36) CI20	Chlorobenzene-d5	8.39	117	722533	250.00	ng 0.00
						92.09%
System Mon	itoring Compounds					
19) CS15	1,2-Dichloroethane-d	5.43	65	400055	264.32	ng 0.00
Spiked A	mount 250.000 Rang	je 76	- 114	Recove		
42) CS05	Toluene-d8	7.06	98	973717	244.53	ng 0.00
Spiked A	mount 250.000 Rang p-Bromofluorobenzene	je 88	- 110	Recove	ry =	97.81%
48) CS10	p-Bromofluorobenzene	9.51	95	368886	231.73	ng 0.00
Spiked A	mount 250.000 Rang	le 86	- 115	Recove	ry =	92.69%
Target Com	nounde					Qvalue
	Dichlorodifluorometh	0 00	85	0	N.D.	
	Chloromethane			0		
	Bromomethane			140		
	Vinyl Chloride			0		
	Chloroethane			Ö		
7) C030						
8) C035	Acetone	3.20	43	130		
9) C040	Carbon Disulfide	0.00	76	0	N.D.	
10) C275	Trichlorofluorometha		101	0	N.D.	•
11) C045		0.00	96	0	N.D.	
12) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	•
13) C962	T-butyl methyl ether	0.00	73	0	N.D.	•
14) C050	1,1-Dichloroethane Methyl Acetate trans-1,2-dichloroet	0.00	63	0	N.D.	•
15) C255	Methyl Acetate	3.20	43	130	N.D.	•
16) C057	trans-1,2-dichloroet	0.00	96	0	N.D.	
	cis-1,2-Dichloroethe	0.00	96	0	N.D.	,
18) C060	Chloroform	0.00	83	0	N.D.	A 1 (Z) .
20) C065	1,2-Dichloroethane	0.00	62	0	N.D.	M 105
21) C110	2-Butanone	0.00	43	0	N.D.	
23) C256	Cyclohexane	0.00	56	0	N.D.	
24) C012		5.77	83 07	11370	6.50	
25) C115 26) C120	1,1,1-Trichloroethan Carbon Tetrachloride	0.00	97 117	0	N.D.	
20) C120	carbon recraciiioride	0.00	117	0	N.D.	

Mon Oct 24 23:05:39 2005

HP5973-Q

Page 1

Data File : C:\HPCHEM\1\DATA\102405\Q8373.D

Vial: 6 Acq On : 24 Oct 2005 10:32 Operator: JMB

: A5B64912 Sample Inst : HP5973 Q

Misc

Multiplr: 1.00

STL Buffalo

MS Integration Params: rteint.p Quant Time: Oct 24 23:05 2005

Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

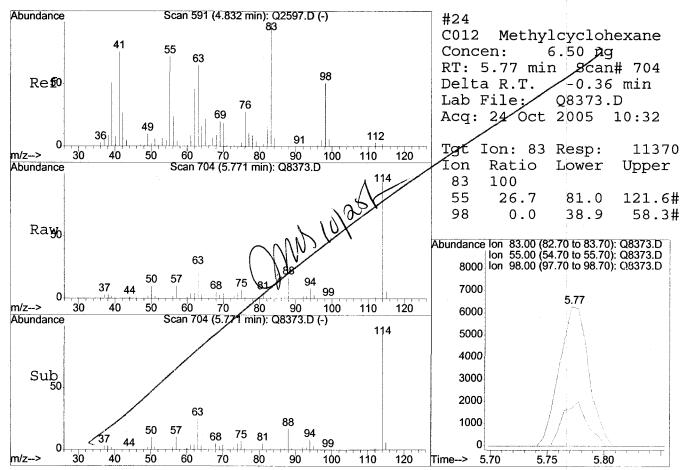
Response via: Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth : VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	Qvalue
27)	C130	Bromodichloromethane	7.06	83	1029	N.D.	
28)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
29)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
30)	C150	Trichloroethene	0.00	130	0	N.D.	
31)	C165	Benzene	5.46	78	135	N.D.	
32)	C155	Dibromochloromethane	0.00	129	0	N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	97	0	N.D.	
35)	C180	Bromoform	0.00	173	0	N.D.	
37)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
	C210	4-Methyl-2-Pentanone	7.06	43	5414	N.D.	
39)	C215	2-Hexanone	0.00	43	0	N.D.	
40)		Tetrachloroethene	0.00	164	0	N.D.	
41)	C225	1,1,2,2-Tetrachloroe	7.06	83	1029	N.D.	
43)	C230	Toluene	7.12	91	130	N.D.	
44)		Chlorobenzene	0.00	112	0	N.D.	
45)	C240		0.00	106	0	N.D.	
	C246		0.00	106	0	N.D.	
47)		-	9.51	106	1492	N.D.	
	C245		9.51	104	1304	N.D.	
	C966	Isopropylbenzene		105	138	N.D.	
51)		1,3-Dichlorobenzene		146		N.D.	
	C267	•		146	0	N.D.	
	C249			146	0	N.D.	
	C286	•			0	N.D.	
55)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	



HP5973-Q



Tentatively Identified Compound (LSC) summary

Operator ID: JMB Date Acquired: 24 Oct 2005 10:32

Data File: C:\HPCHEM\1\DATA\102405\Q8373.D

Name: A5B64912

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title: CLPOLM04.2 WATERS

Library Searched: C:\DATABASE\NIST98.L

•	EstConc Units					
	 		· ·			
Q8373.D A5I02197.M	Wed Oct 26 12:0	3:03 2	2005	HP5973	-0	

Standards

VOLATILE 3/90, CLP OLM3.2, ASP '91 INITIAL CALIBRATION DATA

Lab Name: <u>STL Buffalo</u> Contract: _____ Lab Sample ID: <u>A510002197-1</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No: ____

Intrument ID: <u>HP59730</u> Calibration Dates(s): <u>10/21/2005</u> <u>10/21/2005</u>

Heated Purge (Y/N): N Calibration Times: 14:23 16:16

GC Column: DBS-624 ID: 0.18	(mm)						_
		Q8330.		RRF20	= <u>Q8329</u>		
$RRF50 = \underline{Q8328.RR} \qquad RR$	F100 =	Q8327.	<u>RR</u> 1	RRF200	= <u>Q8326</u>	<u> </u>	
COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD
Chloromethane	2.039	1	2.175	2.188			5.900
220000110110	* 1.306	Į.	1.109			1.0660	17.400*
1111/1 011101100	* 2.238	2.049	2.203		l .	2.1660	3.400*
Chloroethane	1.233		1.144			1.1180	6.600
Methylene chloride	2.590	2.247	B .	2.340		i e	5.300
Acetone	2.253	2.133	2.371	1	i .		5.800
Carbon Disulfide	7.589				1		4.300
z,z bronzorochiene	* 2.141		2.021	B .			3.700*
1,1-Dichloroethane	4.854	1	4.789	i	1		3.000
cis-1,2-Dichloroethene	2.547			B .			
trans-1,2-Dichloroethene	2.432			I .		1	
CHICLOTOLIN	* 4.806		4.571	1			3.700*
1,2-Dichloroethane	* 4.403	4.136		1	ī		
2-Butanone	2.492	2.368	2.678	2.682		B .	6.000
- , 	* 0.634	· ·				ľ	4.000*
	* 0.540		L		0.563		5.200*
Bromodichloromethane	* 0.524	0.487	0.521	0.528			3.700*
1,2-Dichloropropane	0.394		0.388	0.388			3.200
	* 0.622		0.649		0.660		3.900*
1,2-Dibromo-3-chloropropane			0.127		0.137		11.500
111011101000110110	* 0.367	0.331	0.348		0.343		3.700*
Dibromochloromethane	* 0.369	0.340	0.375	0.386		0.3720	5.400*
1,1,2-Trichloroethane	* 0.351	0.320	0.338	0.336			3.300*
Benzene	* 1.510	1.397	1.476	1.467	1.422		3.100*
trans-1,3-Dichloropropene	* 0.621	0.595	0.649	0.664			4.900*
220110202111	* 0.234	0.230	0.258		0.275		7.800*
4-Methyl-2-pentanone	0.542	0.532	0.585	0.588			5.500
2-Hexanone	0.462	0.474	0.550		0.586		10.600
	* 0.302	0.276	0.295	0.295	0.288	0.2910	3.300*
10146116	* 1.742	1.624	1.733	1.712	1.659		3.000*
,,_	* 0.318	I	0.312	0.307	0.308	0.3090	1.900*
	* 1.105		1.086	1.080	1.057		2.700*
	* 0.588		0.587	0.588	0.576	0.5780	2.700*
	* 1.133		1.213	1.213	1.186	1.1700	4.300*
10001 11/101100	* 0.697		0.702	0.693	0.679	0.6870	2.200*
1,2-Dichlorobenzene	0.769		0.809	0.814	0.783	0.7810	4.500
1,3-Dichlorobenzene	0.798	0.750	0.821	0.840	0.810	0.8040	4.200

VOLATILE 3/90, CLP 0LM3.2, ASP '91 INITIAL CALIBRATION DATA

Lab Name: <u>STL Buffalo</u> Contract: _____ Lab Sample ID: <u>A510002197-1</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No: ____

Intrument ID: $\underline{\text{HP5973Q}}$ Calibration Dates(s): $\underline{10/21/2005}$ $\underline{10/21/2005}$

Heated Purge (Y/N): N Calibration Times: 14:23 16:16

GC Column: <u>DBS-624</u> ID: <u>0.18</u> (mm)

<u> </u>							
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$						_
COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD
17271 1110111010201120110	0.793 0.380 0.227 3.024 2.543 0.599 8.239 1.891 1.860	0.739 0.363 0.203 2.610 2.312 0.521 7.632 1.613 1.692 0.388	0.395 0.301 2.900 2.594 0.571 8.723 1.728 1.918 0.473	0.395 0.338 3.040 2.587 0.638 8.762 1.915 1.970 0.497	3.051 2.602 0.599 8.755 1.873 1.889 0.498	1.8040 1.8660 0.4540	3.600 22.400 6.400 4.800 7.400 5.900 7.200 5.600 11.200*
Methylcyclohexane	0.562	0.495 ======	0.540 ======	0.605 ======	0.568 ======	0.5540 =======	7.300
1,2-Dichloroethane-D4 Toluene-D8 p-Bromofluorobenzene	2.928 1.215 0.497	2.797 1.160 0.489	1.379	1.257	1.220	2.9750 1.2460 0.5160	4.500 6.600 4.700*

Comments:

Data File : C:\HPCHEM\1\DATA\102105\Q8330.D

: 21 Oct 2005

Acq On : VSTD010

Sample Misc

MS Integration Params: rteint.p

: HP5973 Q Inst

Multiplr: 1.00

Vial: 7

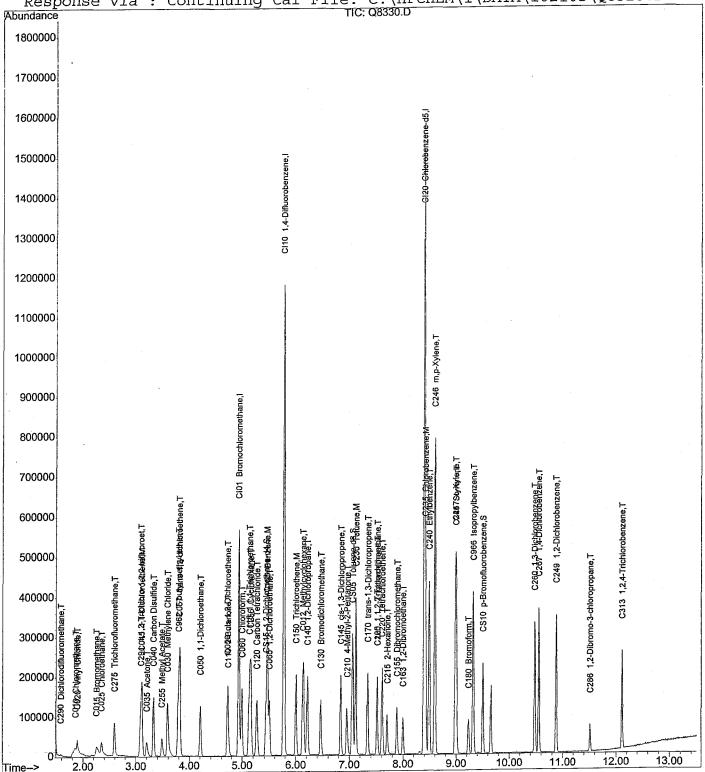
Operator: JMB

Ouant Results File: A5I02197.RES Quant Time: Oct 21 16:41 2005

: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator) Method

CLPOLM04.2 WATERS Title

Last Update : Fri Oct 21 16:41:18 2005 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102105\Q8328.D



Quantitation Report

Data File : C:\HPCHEM\1\DATA\102105\Q8329.D

: 21 Oct 2005 15:48

Sample : VSTD020

• VCTD020

Misc : vsibo

MS Integration Params: rteint.p

Operator: JMB Inst : HP5973 Q

Multiplr: 1.00

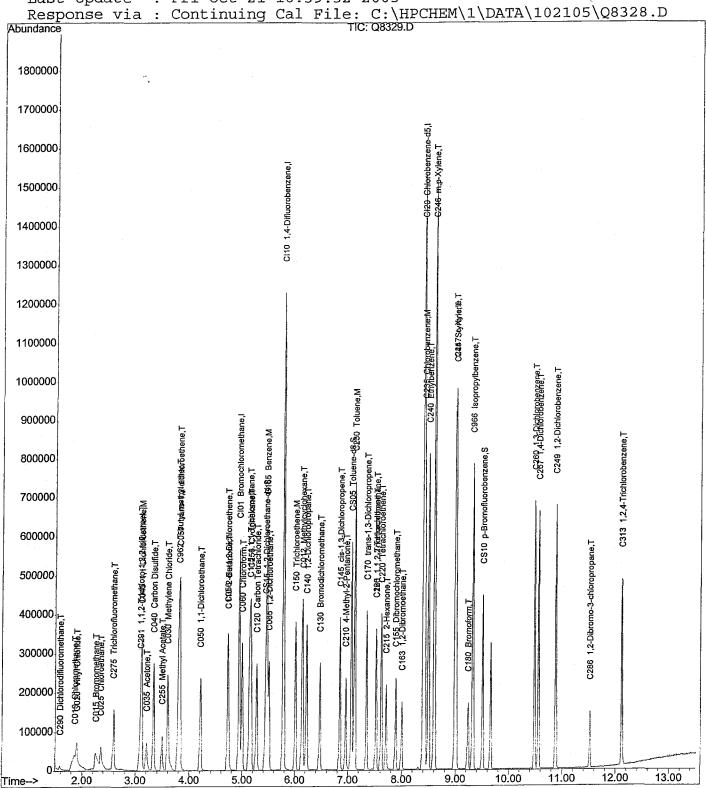
Vial: 6

Quant Time: Oct 21 16:40 2005 Quant Results File: A5I02197.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Fri Oct 21 16:39:32 2005



Data File: C:\HPCHEM\1\DATA\102105\Q8328.D

: 21 Oct 2005 15:20

Sample

Misc

: VSTD050

Operator: JMB Inst : HP5973 Q

Vial: 5

Multiplr: 1.00

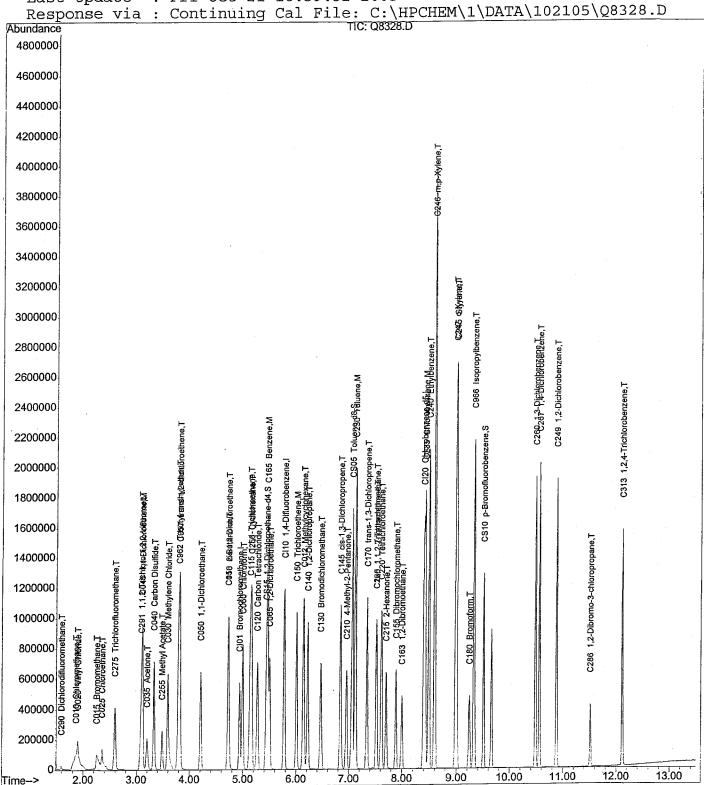
MS Integration Params: rteint.p Ouant Time: Oct 21 16:39 2005

Quant Results File: A5I02197.RES

: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator) Method

: CLPOLM04.2 WATERS Title

Last Update : Fri Oct 21 16:39:32 2005



Data File: C:\HPCHEM\1\DATA\102105\Q8327.D

Vial: 4 Operator: JMB : 21 Oct 2005 14:52 : HP5973 Q Inst

: VSTD100 Sample

Misc

MS Integration Params: rteint.p Ouant Time: Oct 21 16:38 2005

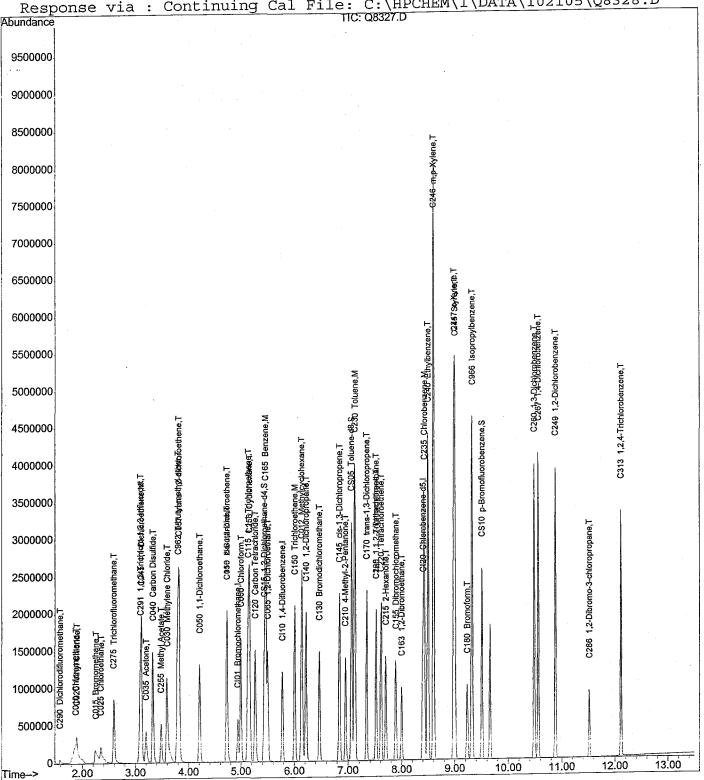
Multiplr: 1.00

Quant Results File: A5I02197.RES

: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator) Method

CLPOLM04.2 WATERS Title

: Fri Oct 21 16:38:37 2005 Last Update Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102105\Q8328.D



Data File : C:\HPCHEM\1\DATA\102105\Q8326.D

Vial: 3 Operator: JMB : 21 Oct 2005 14:23

: VSTD200 Sample

Inst : HP5973 Q Multiplr: 1.00

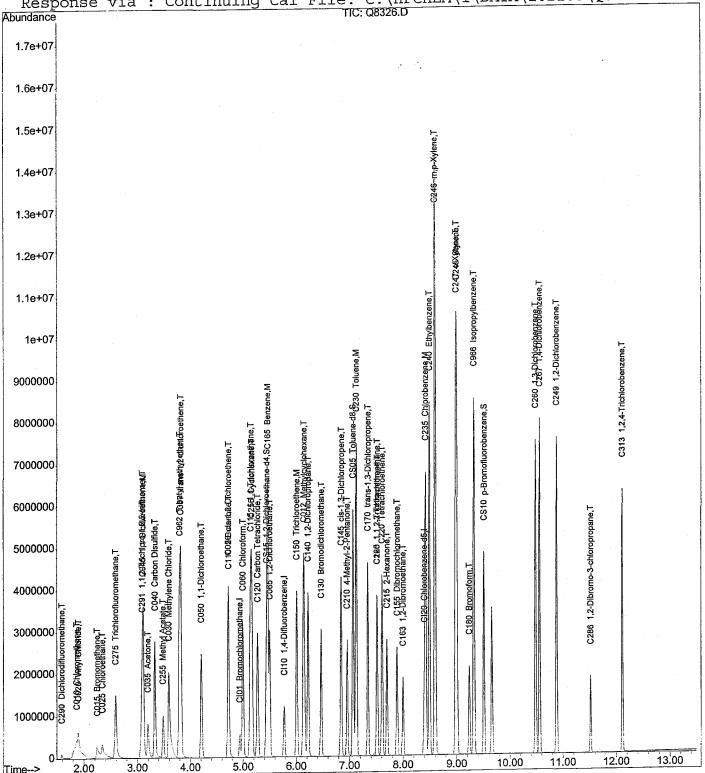
Misc

MS Integration Params: rteint.p Ouant Results File: A5I02197.RES Quant Time: Oct 21 16:37 2005

: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator) Method

: CLPOLM04.2 WATERS Title

: Fri Oct 21 16:35:40 2005 Last Update Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102105\Q8328.D



Vial: 7

Operator: JMB

Data File : C:\HPCHEM\1\DATA\102105\Q8330.D

Acq On : 21 Oct 2005 16:16

Inst: HP5973 Q : VSTD010 Sample Multiplr: 1.00

Misc

MS Integration Params: rteint.p

Quant Results File: A5I02197.RES Ouant Time: Oct 21 16:41 2005

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS
Last Update : Fri Oct 21 16:35:40 2005

Response via : Single (C:\HPCHEM\1\DATA\102105\Q8328.D 21 Oct 2005 15:20)

DataAcq Meth: VOA

IS QA File : C:\HPCHEM\1\DATA\102105\Q8328.D (21 Oct 2005 15:20)

Internal Standards			Response			Dast / 7 20 1	١
1) CI01 Bromochloromethane							0
22) CI10 1,4-Difluorobenzene	5.78	114	856339	250.00	ng	0.00 96.93	
36) CI20 Chlorobenzene-d5	8.39	117	780045	250.00	ng	0.00 97.33	0
System Monitoring Compounds 19) CS15 1,2-Dichloroethane-d	5.43	65	75431	46.60	ng	0.00)
Spiked Amount 250.000 Ran	ge 76	- 114	Recove	4		.64%#	
42) CS05 Toluene-d8 Spiked Amount 250.000 Ran	7.06	98	189585	44.05	ng	0.00)
Spiked Amount 250.000 Ran 48) CS10 p-Bromofluorobenzene	ge 88	- 110	Recove	ry =	1/.	. 626# 0 00	١
48) CS10 p-Bromoffuorobenzene Spiked Amount 250.000 Ran	9.51	95 - 115	7 / 6 U Z	43.20	119	0.00	,
Spiked Amount 250.000 kan	ge oo	- 113	RCCOVC	- y			
Target Compounds						Qvalue	
2) C290 Dichlorodifluorometh	1.59	85	5851	49.63	ng	# 84	Ł
	1.87	50	52525	46.87	ng	96	
1) 0015 Promothers	2 2 5	94	33637m	58.89	ng	96	5
5) CO2O Vinvl Chloride	1 90	62	57656m	50.80	ng	96	5
5) C015 Bromomethane 5) C020 Vinyl Chloride 6) C025 Chloroethane	2.35	64	31756	50.80 53.88	ng	96	5
7) C030 Methylene Chloride	3.59	84	66723	53.91	ng	# 87	7
8) C035 Acetone	3.20	43	58042	47.51	ng	98	}
9) C040 Carbon Disulfide	3.33	76	195500	52.56	ng	100	
10) C275 Trichlorofluorometha	2.60	101	77916	52.15	ng	98	
11) C045 1,1-Dichloroethene	3.11	96	55156	52.97	ng	96	
12) C291 1,1,2-Trichloro-1,2,	3.09	101	48728	54.73			
13) C962 T-butyl methyl ether	3.79	73	212265	47.23			
14) C050 1,1-Dichloroethane		63	125041	50.68	ng	95	
15) C255 Methyl Acetate	3.48	43	65525	49.02	ng	87	,
16) C057 trans-1,2-dichloroet	3.82	96	62666	50.81	ng	# 83	,
17) C056 cis-1,2-Dichloroethe		96	65608	51.30		97	
18) C060 Chloroform	4.99	83	123822		_	93	
20) C065 1,2-Dichloroethane	5.50	62	113429	50.42		96	
21) C110 2-Butanone	4.74	43	64189	46.52	_		
23) C256 Cyclohexane	5.16		102598		_	98	
24) C012 Methylcyclohexane	6.14				_	89	
25) C115 1,1,1-Trichloroethan	5.13	97	108500	50.68	_	97	
26) C120 Carbon Tetrachloride		117	92555	50.72	ng	98	
	·						

Data File : C:\HPCHEM\1\DATA\102105\Q8330.D

Vial: 7 Operator: JMB Acq On : 21 Oct 2005 16:16

Inst : HP5973 Q : VSTD010 Sample Multiplr: 1.00 Misc

MS Integration Params: rteint.p

Quant Results File: A5I02197.RES Quant Time: Oct 21 16:41 2005

Ouant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Fri Oct 21 16:35:40 2005 Response via : Single (C:\HPCHEM\1\DATA\102105\Q8328.D 21 Oct 2005 15:20)

DataAcq Meth : VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	Qvalue
27)	C130	Bromodichloromethane	6.46	83	89664	50.29 ng	99
28)	C140	1,2-Dichloropropane	6.22		67511	50.80 ng	97
29)	C145	cis-1,3-Dichloroprop	6.84	75	106580	47.97 ng	99
30)	C150	Trichloroethene	6.01		62832	52.68 ng	97
31)	C165	Benzene	5.46	78	258590	51.14 ng	100
32)	C155	Dibromochloromethane	7.89		63225	49.25 ng	96
33)	C170	trans-1,3-Dichloropr	7.34		106295	47.84 ng	100
34)	C160	1,1,2-Trichloroethan	7.52	97	60110	51.95 ng	96
35)	C180	Bromoform	9.23	173	40009	45.21 ng	91
37)	C163	1,2-Dibromoethane	8.00	107	59335	48.12 ng	99
38)	C210	4-Methyl-2-Pentanone	6.96	43	84500	46.31 ng	95
39)	C215	2-Hexanone	7.71	43	71993	41.99 ng	89
40)	C220	Tetrachloroethene	7.61	164	47031	51.18 ng	# 87
41)	C225	1,1,2,2-Tetrachloroe	7.52	83	49610	51.03 ng	94
43)	C230	Toluene	7.12	91	271786	50.28 ng	94
44)	C235	Chlorobenzene	8.42	112	172321	50.84 ng	100
45)	C240	Ethylbenzene	8.49	106	91757	50.06 ng	97
46)	C246	m,p-Xylene	8.60	106	224698	100.32 ng	94
47)	C247	o-Xylene	8.98	106	108710	49.61 ng	91
. 49)	C245	Styrene	9.00	104	176816	46.70 ng	98
50)	C966	Isopropylbenzene	9.32	105	290118	48.48 ng	97
51)	C260	1,3-Dichlorobenzene	10.49	146	124533	48.59 ng	.97
52)	C267	1,4-Dichlorobenzene	10.56	146	123745	47.70 ng	96
53)	C249	1,2-Dichlorobenzene	10.88	146	119917	47.50 ng	95
54)	C286	1,2-Dibromo-3-chloro	11.51	75	16940	42.92 ng	95
55)	C313	1,2,4-Trichlorobenze	12.12	180	64073	43.43 ng	98

Vial: 7

Quantitation Report (Qedit)

Data File: C:\HPCHEM\1\DATA\102105\Q8330.D

Operator: JMB : 21 Oct 2005 16:16 Acq On

: HP5973 Q Inst Sample : VSTD010 Multiplr: 1.00

Misc

MS Integration Params: rteint.p

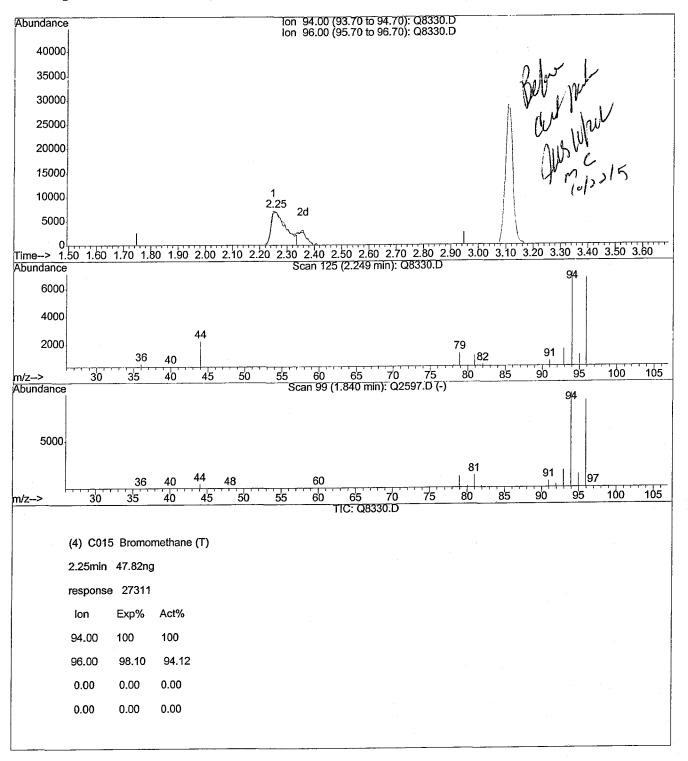
Quant Results File: temp.res

Quant Time: Oct 21 16:36 2005

: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator) Method

Title : CLPOLM04.2 WATERS

: Fri Oct 21 16:40:36 2005 Last Update Response via : Single Level Calibration



Data File: C:\HPCHEM\1\DATA\102105\Q8330.D

: 21 Oct 2005 16:16

: VSTD010 Sample

Misc

MS Integration Params: rteint.p

Operator: JMB : HP5973 Q Inst

Multiplr: 1.00

Vial: 7

Ouant Time: Oct 21 16:40 2005

Ouant Results File: temp.res

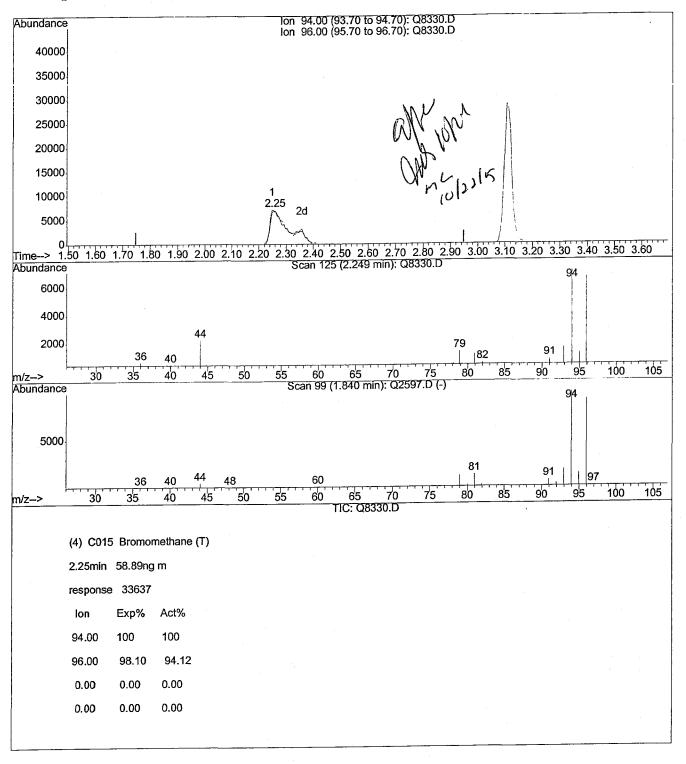
Method

: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title

: CLPOLM04.2 WATERS

: Fri Oct 21 16:40:36 2005 Last Update Response via : Single Level Calibration



Data File: C:\HPCHEM\1\DATA\102105\Q8330.D

Vial: 7 Operator: JMB : 21 Oct 2005 Acq On

: HP5973 Q Inst Sample : VSTD010 Multiplr: 1.00

Misc

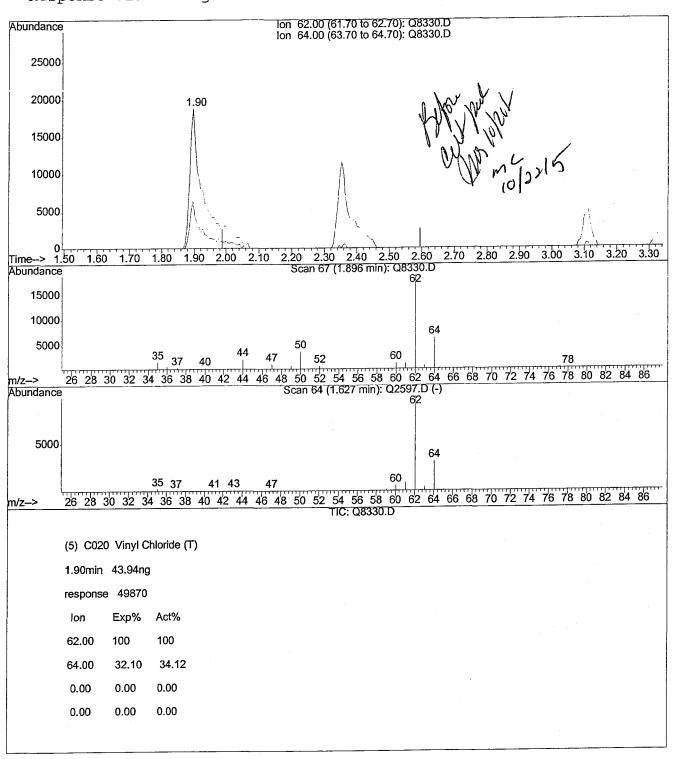
MS Integration Params: rteint.p

Quant Results File: temp.res Quant Time: Oct 21 16:40 2005

: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator) Method

: CLPOLM04.2 WATERS Title

: Fri Oct 21 16:40:36 2005 Last Update Response via : Single Level Calibration



Vial: 7

Data File : C:\HPCHEM\1\DATA\102105\Q8330.D

: 21 Oct 2005 16:16

Sample : VSTD010

Operator: JMB Inst : HP5973 Q

Misc : Multiplr: 1.00

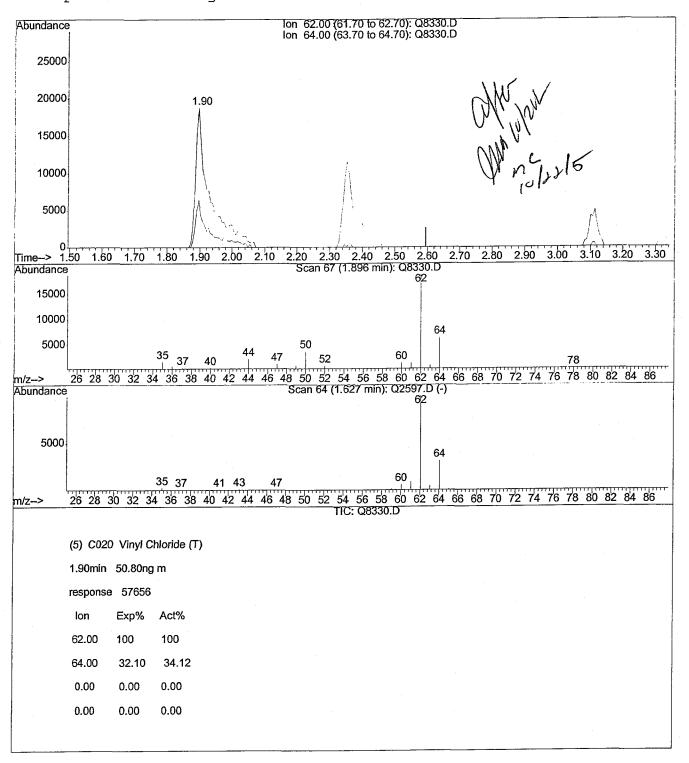
MS Integration Params: rteint.p

Quant Time: Oct 21 16:41 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Fri Oct 21 16:40:36 2005 Response via : Single Level Calibration



Data File : C:\HPCHEM\1\DATA\102105\Q8329.D

Vial: 6 Acq On : 21 Oct 2005 15:48 Operator: JMB

Inst : HP5973 Q Sample : VSTD020 Multiplr: 1.00 Misc

MS Integration Params: rteint.p

Quant Results File: A5I02197.RES Ouant Time: Oct 21 16:40 2005

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Fri Oct 21 16:35:40 2005

Response via : Single (C:\HPCHEM\1\DATA\102105\Q8328.D 21 Oct 2005 15:20)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102105\Q8328.D (21 Oct 2005 15:20)

Internal Standards			Response			Rcv (Ar)	
1) CI01 Bromochloromethane	4.94	128	133298	250.00	ng	100	0.00	
22) CI10 1,4-Difluorobenzene			874223		ng	98	0.00 .96%	
36) CI20 Chlorobenzene-d5	8.39	117	791595		ng	98	0.00 .77%	
System Monitoring Compounds	- 40		1 401 20	00 03	200		0 00	
19) CS15 1,2-Dichloroethane-d Spiked Amount 250.000 Range	5.43	65 _ 11/	149132 Pecove:	89.03	35.	61%#	0.00	
42) CS05 Toluene-d8	7 06	98	367174	84.07	nq	0 11 0 11	0.00	
42) CS05 Toluene-d8 Spiked Amount 250.000 Range	88	- 110	Recove	ry =	33.	63%#		
48) CS10 p-Bromofluorobenzene	9.51	95	154899	88.90	ng		0.00	
Spiked Amount 250.000 Range	86	- 115	Recove:	ry =	35.	56%#		
Target Compounds						Qva	lue	
2) C290 Dichlorodifluorometh	1.59	85	10828	88.75	ng	_	89	
3) C010 Chloromethane	1.86	50	103736	89.46	ng		98	
4) CO15 Bromomethane	2.25	94	60282m		ng		95	
5) C020 Vinyl Chloride 6) C025 Chloroethane	1.90	62	109244	93.02	ng		99	
6) C025 Chloroethane	2.35	64	58721	96.27	ng		95	
7) C030 Methylene Chloride	3.59	84	119818	93.55	ng		88	
8) CU35 Acetone	3.20	43	113749	89.99				
	3.33	76	358884	93.25				
— - ,	2.60	101	139175	90.01			100	
 ,,	3.11	96	103200	95.78	_		88	
	3.08	101	85990	93.34	_		97	
,	3.80	73	406910	87.49			90	
— - <i>,</i>	4.20	63	239436	93.77	ng		100	
15) C255 Methyl Acetate	3.49	43	123289	89.14 91.36	ng	44	88 84	
16) C057 trans-1,2-dichloroet 17) C056 cis-1,2-Dichloroethe	3.82	96	116598	93.12	ng	#	9 7	
, ·			123236 231306	94.90	ng		91	
	4.99	83	231306	94.90	ng		97	
20) C065 1,2-Dichloroethane				88.43			89	
,	4.73	43	126263	91.37	_		99	
—;- · · · · · · · · · · · · · · · · · · ·	5.16	56 83	182319 173044				90	
	6.14 5.13				_		100	
25) C115 1,1,1-Trichloroethan 26) C120 Carbon Tetrachloride	5.27		172684		_		98	
(#) = qualifier out of range (m) =	manu	al int	egration	HP5973-	-O	Pac	ge 1	
Q8329.D A5I02197.M Fri Oct 2	8329.D A5I02197.M Fri Oct 21 16:40:20 2005 HP5973-Q Page 1							

Data File : C:\HPCHEM\1\DATA\102105\Q8329.D

Vial: 6 Acq On : 21 Oct 2005 15:48 Operator: JMB

Inst : HP5973 Q Sample : VSTD020 Multiplr: 1.00

Misc

MS Integration Params: rteint.p

Ouant Results File: A5I02197.RES Quant Time: Oct 21 16:40 2005

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Fri Oct 21 16:35:40 2005

Response via : Single (C:\HPCHEM\1\DATA\102105\Q8328.D 21 Oct 2005 15:20)

DataAcq Meth : VOA

	Compo	ound	R.T.	QIon	Response	Conc Unit	Qvalue
27)	C130	Bromodichloromethane	6.47	83	170405	93.62 ng	99
28)	C140	1,2-Dichloropropane	6.22	63	126800	93.47 ng	99
29)	C145	cis-1,3-Dichloroprop	6.84	75	210104	92.64 ng	98
30)	C150	Trichloroethene	6.00	130	115773	95.08 ng	97
31)	C165	Benzene	5.46	78	488620	94.66 ng	97
32)	C155	Dibromochloromethane	7.89	129	119016	90.81 ng	98
33)	C170	trans-1,3-Dichloropr	7.34	75	207977	91.68 ng	96
34)	C160	1,1,2-Trichloroethan	7.52	97	111947	94.77 ng	96
35)	C180	Bromoform	9.23	173	80285	88.86 ng	96
37)	C163	1,2-Dibromoethane	8.00	107	114779	91.73 ng	98
38)	C210	4-Methyl-2-Pentanone	6.95	43	168340	90.92 ng	90
39)	C215	2-Hexanone	7.70	43	150177	86.31 ng	92
40)	C220	Tetrachloroethene	7.61	164	87359	93.68 ng	# 90
41)	C225	1,1,2,2-Tetrachloroe	7.51	83	95741	97.05 ng	95
43)	C230	Toluene	7.12	91	514075	93.71 ng	95
44)	C235	Chlorobenzene	8.42	112	326217	94.84 ng	99
45)	C240	Ethylbenzene	8.49	106	174735	93.94 ng	98
46)	C246	m,p-Xylene	8.60	106	427642	188.15 ng	91
47)	C247	o-Xylene	8.98	106	210521	94.67 ng	93
49)	C245	Styrene	9.00	104	349007	90.84 ng	95
50)	C966	Isopropylbenzene	9.32	105	535769	88.22 ng	97
51)	C260	1,3-Dichlorobenzene	10.48	146	237536	91.33 ng	96
52)	C267	1,4-Dichlorobenzene	10.56	146	233879	88.83 ng	97
53)	C249	1,2-Dichlorobenzene	10.88	146	230438	89.94 ng	95
54)	C286	1,2-Dibromo-3-chloro	11.52	75	33632	83.96 ng	96
55)	C313	1,2,4-Trichlorobenze	12.12	180	122937	82.10 ng	98

Vial: 6

Data File : C:\HPCHEM\1\DATA\102105\Q8329.D

Acq On : 21 Oct 2005 15:48 Operator: JMB

Sample : VSTD020 Inst : HP5973 Q
Misc : Multiplr: 1.00

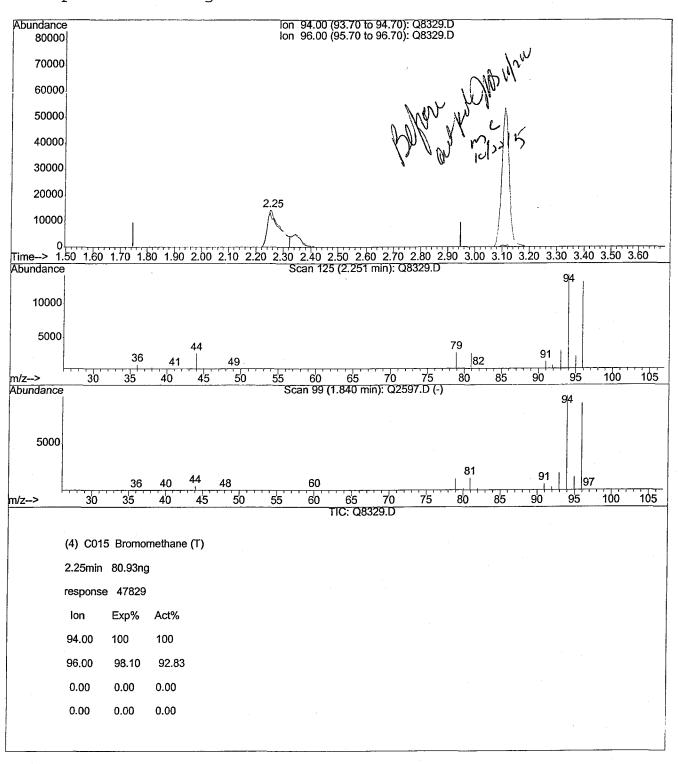
MS Integration Params: rteint.p

Quant Time: Oct 21 16:36 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Fri Oct 21 16:39:32 2005 Response via : Single Level Calibration



Quantitation Report (Qedit)

Data File: C:\HPCHEM\1\DATA\102105\Q8329.D

.cq On : 21 Oct 2005 15:48

Sample : VSTD020

Operator: JMB Inst : HP5973 Q

Vial: 6

Misc :

Multiplr: 1.00

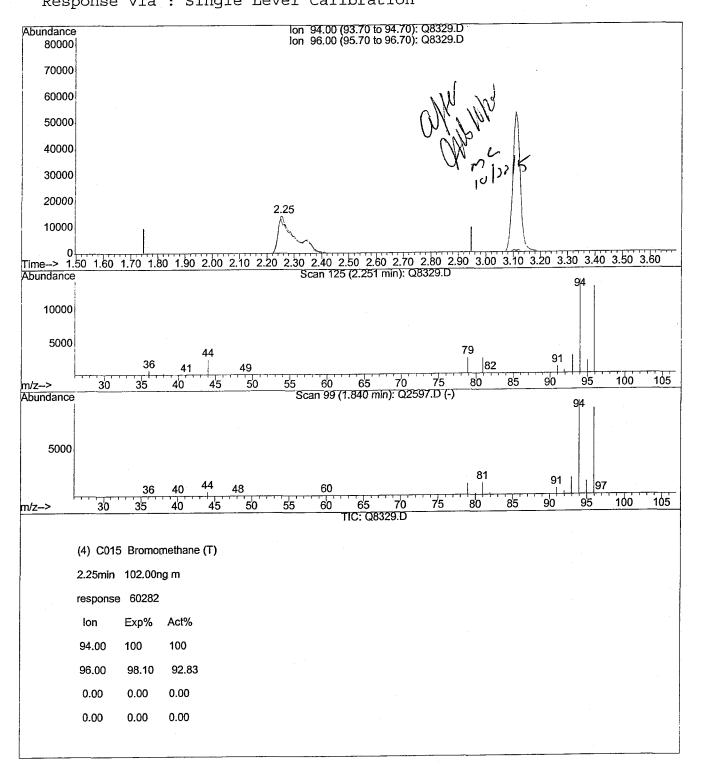
MS Integration Params: rteint.p

Quant Results File: temp.res

Quant Time: Oct 21 16:40 2005

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)
Title : CLPOLM04.2 WATERS

Last Update : Fri Oct 21 16:39:32 2005 Response via : Single Level Calibration



Data File : C:\HPCHEM\1\DATA\102105\Q8328.D

Acq On : 21 Oct 2005 15:20

Sample Misc : VSTD050 Inst : HP5973 Q Multiplr: 1.00

MS Integration Params: rteint.p Ouant Time: Oct 21 16:39 2005

Ouant Results File: A5I02197.RES

Operator: JMB

Vial: 5

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS
Last Update : Fri Oct 21 16:35:40 2005

Response via : Single (C:\HPCHEM\1\DATA\102105\Q8328.D 21 Oct 2005 15:20)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102105\Q8328.D (21 Oct 2005 15:20)

Internal Standards	R.T.	QIon	Response	Conc U	nits	Dev(Mir Rcv(Ar	a))
1) CI01 Bromochloromethane	4.94	128	133285	250.00	ng	0.0	
22) CI10 1,4-Difluorobenzene	5.78	114	883426	250.00	ng	0.0	
36) CI20 Chlorobenzene-d5	8.40	117	801482				00
System Monitoring Compounds 19) CS15 1,2-Dichloroethane-d Spiked Amount 250.000 Rang 42) CS05 Toluene-d8 Spiked Amount 250.000 Rang 48) CS10 p-Bromofluorobenzene Spiked Amount 250.000 Rang	ge 76 7.06 ge 88 9.50	- 114 98 - 110 95	Recove 1105521 Recove 441025	ry = 250.00 ry = 250.00	100. ng 100. ng	00% 0.0 00%	00
Target Compounds						Qvalue	Э.
2) C290 Dichlorodifluorometh 3) C010 Chloromethane 4) C015 Bromomethane 5) C020 Vinyl Chloride 6) C025 Chloroethane 7) C030 Methylene Chloride 8) C035 Acetone 9) C040 Carbon Disulfide 10) C275 Trichlorofluorometha	1.86 2.25 1.89 2.35	50 94	40138m 289874 147740 293576 152468 320160 315989 962075 386517	250.00 250.00 250.00 250.00 250.00	ng ng ng ng ng ng	9 9 9 9 # 8	99 93 99 92 35 99
11) C045 1,1-Dichloroethene	3.11	96	269329 230299	250.00 250.00	_		36 95
12) C291 1,1,2-Trichloro-1,2, 13) C962 T-butyl methyl ether 14) C050 1,1-Dichloroethane		101 73 63 43	230299 1162655 638284 345744	250.00 250.00 250.00	ng ng	# 8 9	39 99 37
15) C255 Methyl Acetate 16) C057 trans-1,2-dichloroet 17) C056 cis-1,2-Dichloroethe 18) C060 Chloroform 20) C065 1,2-Dichloroethane 21) C110 2-Butanone 23) C256 Cyclohexane 24) C012 Methylcyclohexane 25) C115 1,1,1-Trichloroethan 26) C120 Carbon Tetrachloride			319014 330836 609262 581967 356923 504078 477148	250.00 250.00 250.00	ng ng ng ng ng ng ng ng ng	# 8 9 9 9 9 9 8	34 95 93 95 99 98 98
(#) = qualifier out of range (m)	= manu	al int	egration	- 	-		

Data File: C:\HPCHEM\1\DATA\102105\Q8328.D

Acq On : 21 Oct 2005 15:20

Operator: JMB Sample : VSTD050 Misc : Inst: HP5973 Q Multiplr: 1.00

MS Integration Params: rteint.p Quant Time: Oct 21 16:39 2005

Quant Results File: A5I02197.RES

Vial: 5

Quant Method: C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Fri Oct 21 16:35:40 2005

Response via : Single (C:\HPCHEM\1\DATA\102105\Q8328.D 21 Oct 2005 15:20)

DataAcq Meth : VOA

	Compo	ound	R.T.	QIon	Response	Conc Unit	Qvalue
27)	C130	Bromodichloromethane	6.46	83	459854	250.00 ng	99
28)	C140	1,2-Dichloropropane	6.22	63	342721	250.00 ng	99
29)	C145	cis-1,3-Dichloroprop	6.84	75	572982	250.00 ng	99
30)	C150	Trichloroethene	6.01	130	307629	250.00 ng	98
31)	C165	Benzene	5.45	78	1304028	250.00 ng	96
32)	C155	Dibromochloromethane	7.89	129	331110	250.00 ng	99
33)	C170	trans-1,3-Dichloropr	7.34	75	573085	250.00 ng	98
34)	C160	1,1,2-Trichloroethan	7.52	97	298417	250.00 ng	97
35)		Bromoform	9.24	173	228259	250.00 ng	97
37)	C163	1,2-Dibromoethane	8.00	107	316728	250.00 ng	98
38)	C210	4-Methyl-2-Pentanone	6.95	.43	468668	250.00 ng	92
39)	C215	2-Hexanone	7.70	43	440402	250.00 ng	92
40)	C220	Tetrachloroethene	7.61	164	236033	250.00 ng	# 89
41)		1,1,2,2-Tetrachloroe	7.52	83	249702	250.00 ng	98
43)	C230	Toluene	7.12	91	1388567	250.00 ng	94
44)	C235	Chlorobenzene	8.42	112	870698	250.00 ng	99
45)	C240	Ethylbenzene	8.50	106	470823	250.00 ng	100
46)		m,p-Xylene	8.60	106	1150658	500.00 ng	94
47)	C247	o-Xylene	8.98	106	562848	250.00 ng	91
49)	C245	Styrene	9.01	104	972517	250.00 ng	99
50)	C966	Isopropylbenzene	9.32	105	1537280	250.00 ng	97
51)	C260	1,3-Dichlorobenzene	10.48	146	658348	250.00 ng	95
52)	C267	1,4-Dichlorobenzene	10.56	146	666405	250.00 ng	98
53)	C249	1,2-Dichlorobenzene	10.88	146	648518	250.00 ng	94
54)	C286	1,2-Dibromo-3-chloro	11.51	75	101390	250.00 ng	95
55)	C313	1,2,4-Trichlorobenze	12.11	180	379008	250.00 ng	99

: HP5973 Q

Vial: 5

Operator: JMB

Multiplr: 1.00

Inst

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\102105\Q8328.D

: 21 Oct 2005 Acq On

Sample

: VSTD050

Misc

Method

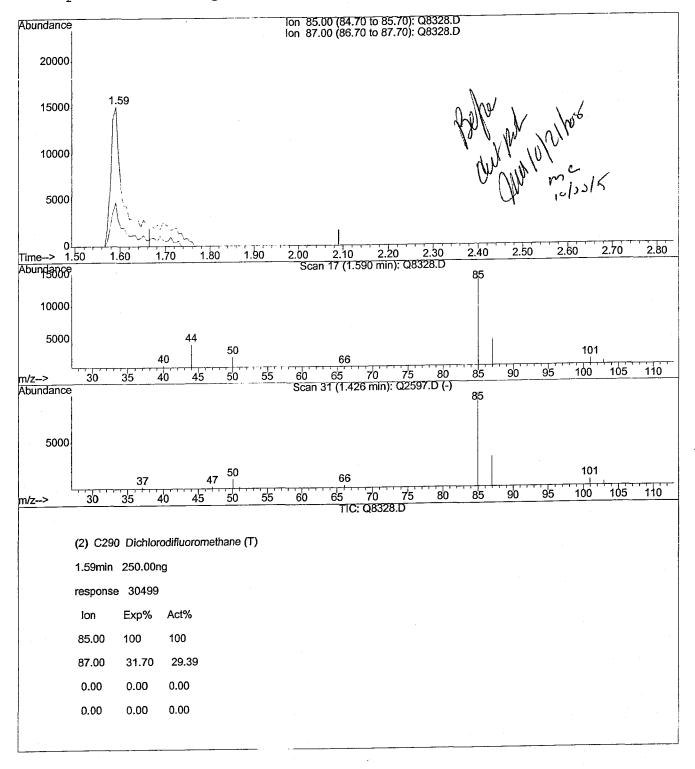
MS Integration Params: rteint.p

Ouant Results File: temp.res Quant Time: Oct 21 16:36 2005

: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

: CLPOLM04.2 WATERS Title

Last Update : Fri Oct 21 16:38:37 2005 Response via : Single Level Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\102105\Q8328.D

Vial: 5 Operator: JMB : 21 Oct 2005 15:20 Acq On

: HP5973 Q Inst : VSTD050 Sample Multiplr: 1.00

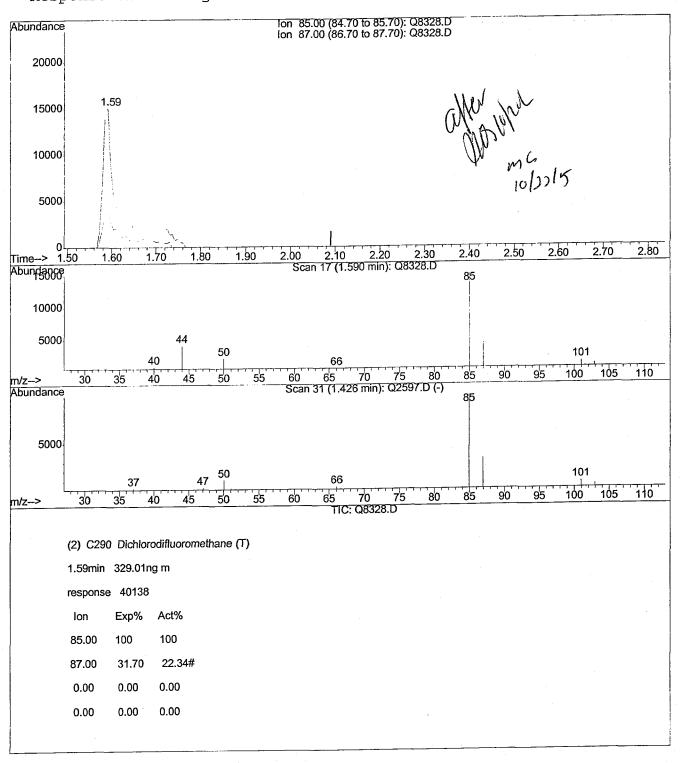
Misc MS Integration Params: rteint.p

Quant Results File: temp.res Ouant Time: Oct 21 16:39 2005

: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator) Method

: CLPOLM04.2 WATERS Title

Last Update : Fri Oct 21 16:38:37 2005 Response via : Single Level Calibration



Vial: 4

Data File : C:\HPCHEM\1\DATA\102105\Q8327.D

Acq On : 21 Oct 2005 14:52 Operator: JMB

Acq On : 21 Oct 2005 14:52

Sample : VSTD100

Misc : Multiplr: 1.00

Misc : MS Integration Params: rteint.p

Quant Time: Oct 21 16:38 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Fri Oct 21 16:35:40 2005

Response via : Single (C:\HPCHEM\1\DATA\102105\Q8328.D 21 Oct 2005 15:20)

DataAcq Meth : VOA

Q8327.D A5I02197.M

IS QA File : C:\HPCHEM\1\DATA\102105\Q8328.D (21 Oct 2005 15:20)

Internal Standards	R.T.	QIon	Response	Conc Ur	nits	Dev(Mi Rcv(Ar	n) -)
1) CI01 Bromochloromethane	4.94	128	136492	250.00	ng	0. 102.4	00 1%
22) CI10 1,4-Difluorobenzene	5.78	114	893836	250.00	ng	0. 101.1	
36) CI20 Chlorobenzene-d5	8.40	117	817270	250.00	ng	0. 101.9	00 7왕
System Monitoring Compounds 19) CS15 1,2-Dichloroethane-d Spiked Amount 250.000 Rang 42) CS05 Toluene-d8 Spiked Amount 250.000 Rang 48) CS10 p-Bromofluorobenzene Spiked Amount 250.000 Rang	e 76 7.06 e 88	- 114 98 - 110	2053993 Recove: 848538	455.51 ry = 471.71	ng 182.	0. .20%# 0.	00
5) C020 Vinyl Chloride 6) C025 Chloroethane 7) C030 Methylene Chloride 8) C035 Acetone 9) C040 Carbon Disulfide 10) C275 Trichlorofluorometha 11) C045 1,1-Dichloroethene 12) C291 1,1,2-Trichloro-1,2, 13) C962 T-butyl methyl ether	2.25 1.89 2.35	94 62 64 84 43 76 101 96 101	92178m 597152 267441 599311 290906 638731 650763 1998463 829946 564948 522630 2392008 1301650	737.83 502.91 441.92 498.36 465.79 487.04 502.76 507.11 524.20 512.08 554.01 502.26 497.85	ng ng ng ng ng ng ng ng ng ng ng	# 1 # #	97 00
14) C050 1,1-Dichloroethane 15) C255 Methyl Acetate 16) C057 trans-1,2-dichloroet 17) C056 cis-1,2-Dichloroethe 18) C060 Chloroform 20) C065 1,2-Dichloroethane 21) C110 2-Butanone 23) C256 Cyclohexane 24) C012 Methylcyclohexane 25) C115 1,1,1-Trichloroethan 26) C120 Carbon Tetrachloride	3.48 3.82 4.72 5.00	43 96 96 83 62 43 56 83 97	706112 640359 668336 1235651 1197948 732043 1140226 1082338	498.58 490.04 493.17 495.11 502.52 500.70 558.91	ng ng ng ng ng ng	#	86 84 98 95 97 99 89 97
(#) = qualifier out of range (m)	 = man	ual in	tegration	HP5973-	-Q	Page	. 1

Fri Oct 21 16:38:48 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\102105\Q8327.D

Acq On : 21 Oct 2005 14:52

: VSTD100 Sample

Misc

MS Integration Params: rteint.p

Vial: 4

Operator: JMB

Inst: HP5973 Q

Multiplr: 1.00

Quant Results File: A5I02197.RES Quant Time: Oct 21 16:38 2005

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS
Last Update : Fri Oct 21 16:35:40 2005

Response via : Single (C:\HPCHEM\1\DATA\102105\Q8328.D 21 Oct 2005 15:20)

DataAcq Meth: VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	QV:	arue
 27)	C130	Bromodichloromethane	6.46	 83	944026	507.24 ng		97
28)	C140	1,2-Dichloropropane	6.22	- 63	693865	500.25 ng		99
29)		cis-1,3-Dichloroprop	6.84	75	1168641	503.96 ng		99
30)		Trichloroethene	6.01	130	629440	505.57 ng	,	97
31)		Benzene	5.46	78	2622088	496.84 ng		97
32)		Dibromochloromethane	7.89	129	690297	515.13 ng		99
33)		trans-1,3-Dichloropr	7.34	75	1187383	511.95 ng		98
34)	C160	1,1,2-Trichloroethan	7.52		601377	497.94 ng		98
35)		Bromoform	9.23	173	473585	512.65 ng		99
37)	C163	1,2-Dibromoethane	8.00	107	645487	499.65 ng		98
38)	C210	4-Methyl-2-Pentanone	6.95		961411	502.94 ng		90
39)	C215	2-Hexanone	7.70		925704	515.34 ng		92
40)	C220	Tetrachloroethene	7.61	164	482372	501.05 ng	#	91
41)	C225.	1,1,2,2-Tetrachloroe	7.52		502491	493.37 ng		97
43)	C230	Toluene	7.12		2798618	494.13 ng		95
44)	C235	Chlorobenzene	8.42		1765458	497.12 ng		99
45)	C240	Ethylbenzene	8.50	106	961167	500.51 ng		95
46)	C246	m,p-Xylene	8.60	106	2302113	981.02 ng	.,	94
47)	C247	o-Xylene	8.98	106	1132504	493.31 ng	#	90
49)	C245	Styrene	9.01	104	1982886	499.88 ng		99
50)	C966	Isopropylbenzene	9.32	105	3219381	513.44 ng		96
51)	C260	1,3-Dichlorobenzene	10.48	146	1373736	511.58 ng		96
52)	C267	1,4-Dichlorobenzene	10.56	146	1378112	507.01 ng		98
53)	C249	1,2-Dichlorobenzene	10.88	146	1330933	503.16 ng	-	94
54)	C286	1,2-Dibromo-3-chloro	11.51	75	217537	526.02 ng		96
55)	C313	1,2,4-Trichlorobenze	12.12	180	812986	525.90 ng		100

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\102105\Q8327.D

: 21 Oct 2005 14:52

: VSTD100 Sample

Misc

Vial: 4 Operator: JMB

: HP5973 Q Inst

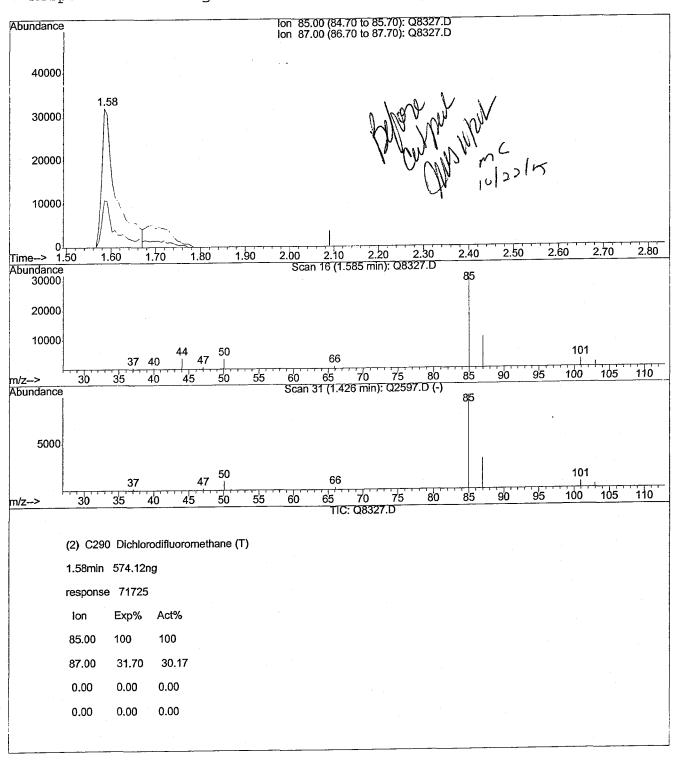
Multiplr: 1.00

MS Integration Params: rteint.p Ouant Time: Oct 21 16:36 2005

Quant Results File: temp.res

: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator) Method : CLPOLM04.2 WATERS Title

: Fri Oct 21 16:38:05 2005 Last Update Response via : Single Level Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\102105\Q8327.D

: 21 Oct 2005 Acq On

Vial: 4 Operator: JMB

: VSTD100 Sample

14:52

: HP5973 Q Inst Multiplr: 1.00

Misc

MS Integration Params: rteint.p

Quant Time: Oct 21 16:38 2005

Quant Results File: temp.res

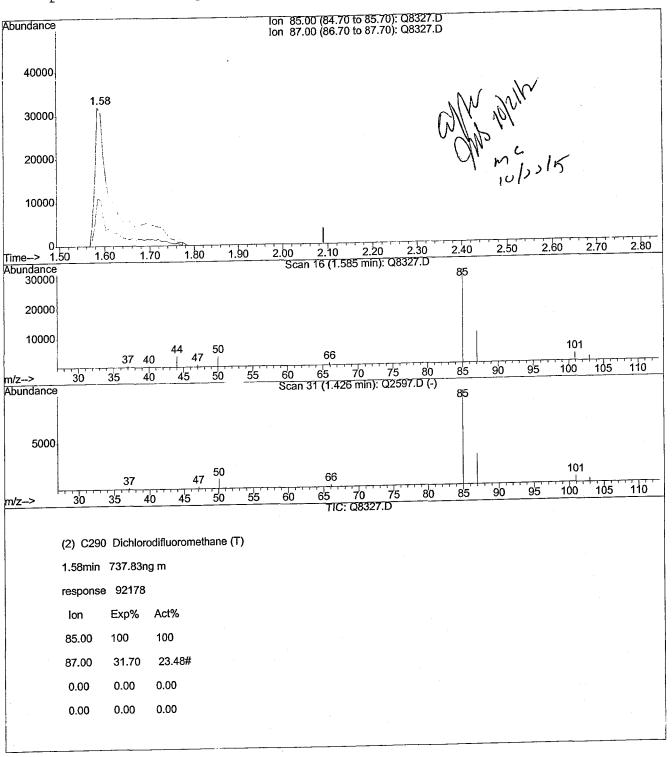
Method

: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

Title

: CLPOLM04.2 WATERS

Last Update : Fri Oct 21 16:38:05 2005 Response via : Single Level Calibration



Vial: 3 Data File : C:\HPCHEM\1\DATA\102105\Q8326.D Operator: JMB Acq On : 21 Oct 2005 14:23

Inst : HP5973 Q : VSTD200 Sample Multiplr: 1.00

Misc

MS Integration Params: rteint.p Quant Results File: A5I02197.RES Quant Time: Oct 21 16:37 2005

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Fri Oct 21 16:35:40 2005 Response via : Single (C:\HPCHEM\1\DATA\102105\Q8328.D 21 Oct 2005 15:20)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102105\Q8328.D (21 Oct 2005 15:20)

Internal S	tandards	R.T.	QIon	Response	Conc Un	its	Dev(Min) Rcv(Ar)
1) CI01	Bromochloromethane	4.94	128	131862	250.00	ng	98.93	왕
22) CI10	1,4-Difluorobenzene	5.77	114	876479	250.00		99.21	왕
36) CI20	Chlorobenzene-d5	8.39	117	797397	250.00	ng	0.0 99.49	
19) CS15 Spiked A 42) CS05 Spiked A	itoring Compounds 1,2-Dichloroethane-d mount 250.000 Rang Toluene-d8 mount 250.000 Rang p-Bromofluorobenzene mount 250.000 Rang	e 76 7.06 e 88 9.51	98 - 110 95	3892610 Recove	884.78	ng 353. ng	0.0 91%# 0.0 06%#	0
Target Com 2) C290 3) C010 4) C015 5) C020 6) C025 7) C030 8) C035 9) C040 10) C275 11) C045 12) C291 13) C962 14) C050 15) C255 16) C057 17) C056 18) C060 20) C065 21) C110 23) C256 24) C012 25) C115	Dichlorodifluorometh Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide Trichlorofluorometha 1,1-Dichloroethene 1,1,2-Trichloro-1,2, T-butyl methyl ether 1,1-Dichloroethane Methyl Acetate trans-1,2-dichloroet cis-1,2-Dichloroethe Chloroform 1,2-Dichloroethane 2-Butanone Cyclohexane Methylcyclohexane 1,1,1-Trichloroethan	1.90 2.34	50 94 62 64 84 43 76 101 73 63 43 96 83 56 83 97	1131139 551589 1235680 1309239 3851552 1609090 1083353 987837 4617671 2534495 1372268 1234537 1298163 2442754 2401116 1445897 2100228 1992528	1037.73 727.74 973.64 914.19 975.31 1047.00 1011.65 1051.99 1016.46 1083.91 1003.63 1003.41 1002.97 977.90 991.56 1013.16	ng ng ng ng ng ng ng ng ng ng ng ng ng n	# 9 10 9 4 8 9 9 9 8 8 9 9 9 9 9 9 9 9	8950597088850775729909
26) C120 (#) = qual Q8326.D.A	ifier out of range (m)	= man 21 16	ual in	tegration 2005	HP5973	-Q	Page	1

Data File : C:\HPCHEM\1\DATA\102105\Q8326.D

Operator: JMB Acq On : 21 Oct 2005 14:23

Inst: HP5973 Q Sample : VSTD200 Multiplr: 1.00

Misc

MS Integration Params: rteint.p Quant Results File: A5I02197.RES Ouant Time: Oct 21 16:37 2005

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS
Last Update : Fri Oct 21 16:35:40 2005

Response via : Single (C:\HPCHEM\1\DATA\102105\Q8328.D 21 Oct 2005 15:20)

DataAcg Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qva	alue
27)	C130	Bromodichloromethane	6.47	83	1887706 1337150	1034.39 ng 983.12 ng		96 100
28)	C140	1,2-Dichloropropane	6.22	63 75	2311983	1016.75 ng		100
29)	C145	cis-1,3-Dichloroprop	6.84			985.95 ng		95
30)	C150	Trichloroethene	6.00		1203682	963.02 ng		96
31)	C165	Benzene	5.46	78	4983722	1044.54 ng		100
32)	C155	Dibromochloromethane	7.89		1372555	1032.65 ng		99
33)	C170	trans-1,3-Dichloropr	7.34		2348569			97
34)	C160	1,1,2-Trichloroethan	7.51	97	1167897	986.17 ng		98
35)	C180	Bromoform	9.23	173	962654	1062.70 ng		98
37)	C163	1,2-Dibromoethane	8.00	107	1253524	994.50 ng		91
38)	C210	4-Methyl-2-Pentanone	6.95	43	1922493	1030.76 ng		91 92
39)	C215	2-Hexanone	7.70	43	1869414	1066.63 ng	ш	
40)	C220	Tetrachloroethene	7.61	164	919307	978.69 ng	#	88
41)	C225	1,1,2,2-Tetrachloroe	7.51	83	981497	987.70 ng		98
43)	C230	Toluene	7.12		5291903	957.64 ng		96
44)	C235	Chlorobenzene	8.42	112	3372647	973.34 ng		99
45)	C240	Ethylbenzene	8.49		1838179	981.05 ng		95
46)	C246	m,p-Xylene	8.60	106	4294333	1875.59 ng		97
. 47)	C247	o-Xylene	8.98	106	2164438	966.30 ng		91
49)	C245	Styrene	9.00	104	3784017	977.72 ng		92
50)	C966	Isopropylbenzene	9.32	105	6026457	985.07 ng		96
51)	C260	1,3-Dichlorobenzene	10.48	146	2583681	986.15 ng		93
52)	C267	1,4-Dichlorobenzene	10.56	146	2619154	987.60 ng		100
53)	C249	1,2-Dichlorobenzene	10.88	146	2496634	967.37 ng	#	91
54)	C286	1,2-Dibromo-3-chloro	11.52	75	437062	1083.20 ng		95
55)	C313	1,2,4-Trichlorobenze	12.12	180	1589486	1053.82 ng		99

: HP5973 Q

Vial: 3

Operator: JMB

Multiplr: 1.00

Inst

Data File : C:\HPCHEM\1\DATA\102105\Q8326.D

: 21 Oct 2005

: VSTD200 Sample

Misc

MS Integration Params: rteint.p

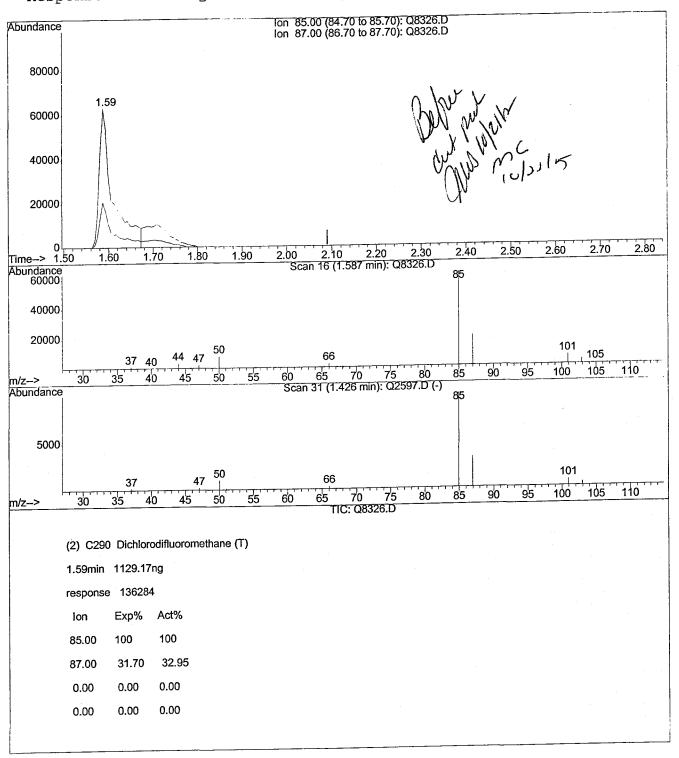
Quant Results File: temp.res Ouant Time: Oct 21 16:35 2005

Method

: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

: CLPOLM04.2 WATERS Title

Last Update : Fri Oct 21 16:35:40 2005 Response via: Single Level Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\102105\Q8326.D

: 21 Oct 2005 14:23

: VSTD200

Sample

Misc

Operator: JMB : HP5973 Q Inst

Multiplr: 1.00

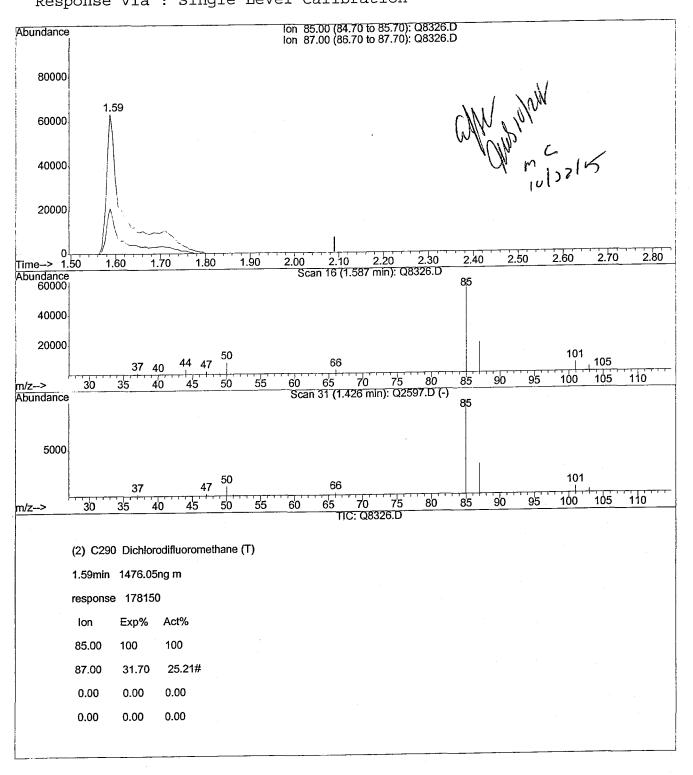
Vial: 3

MS Integration Params: rteint.p Ouant Time: Oct 21 16:37 2005

Ouant Results File: temp.res

: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator) Method : CLPOLM04.2 WATERS Title

: Fri Oct 21 16:35:40 2005 Last Update Response via : Single Level Calibration



VOLATILE 3/90, CLP 0LM3.2, ASP '91 INITIAL CALIBRATION DATA

Lab Name: <u>STL Buffalo</u> Contract: _____ Lab Sample ID: <u>A510002220-1</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No: ____

Intrument ID: <u>HP59730</u> Calibration Dates(s): <u>10/25/2005</u> <u>10/25/2005</u>

Heated Purge (Y/N): N Calibration Times: 21:41 23:34

GC Column: <u>DBS-624</u> ID: <u>0.18</u> (mm)

		<u>08412.1</u> <u>08409.1</u>		RRF20 RRF200	= <u>Q841</u> = <u>Q8408</u>		
COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD
Chloromethane	1.738	1.744	1.859	1.806	1.774	1.7840	2.800
Bromomethane	* 1.075	0.932	0.921	1.015	0.874	0.9630	8.400*
Vinyl chloride	* 1.961	2.121	2.168	2.067	1.940	2.0510	4.800*
Chloroethane	1.250	1.174	1.141	1.073	0.876	1.1030	12.900
Methylene chloride	2.392	2.399	2.306	2.219		2.2820	5.600
Acetone	2.367	2.584	2.610	2.607	2.606	2.5550	4.100
Carbon Disulfide	7.008	6.969	6.984	6.892	6.518	6.8740	3.000
1,1-Dichloroethene	* 1.905	1.941	1.961	1.899	1.787	1.8990	3.600*
1,1-Dichloroethane	4.560	4.553	4.585	4.493	4.290	4.4960	2.700
cis-1,2-Dichloroethene	2.198	2.281	2.231	2.214	2.073	2.1990	3.500
trans-1,2-Dichloroethene	2.178	2.209	2.216	2.131	1.982	2.1430	4.500
Chloroform	* 4.505	4.522	4.533	4.422	4.255	4.4470	2.600*
1,2-Dichloroethane	* 4.241	4.337	4.350	4.313	4.207	4.2900	1.500*
2-Butanone	2.556	2.788	2.853	2.861	2.803	2.7720	4.500
1,1,1-Trichloroethane	* 0.628	0.642	0.642	0.641	0.626	0.6360	1.300*
	* 0.506	0.533	0.538	0.540	0.530	0.5290	2.600*
Bromodichloromethane :	* 0.533	0.534	0.537	0.534	0.529	0.5330	0.600*
1,2-Dichloropropane	0.370	0.373	0.377	0.373	0.357	0.3700	2.100
cis-1,3-Dichloropropene	* 0.632	0.652	0.658	0.662	0.640	0.6490	1.900*
1,2-Dibromo-3-chloropropane	0.113	0.133	0.130	0.136	0.138	0.1300	7.700
Trichloroethene	* 0.340	0.344	0.339	0.331	0.314	0.3330	3.600*
Dibromochloromethane	* 0.337	0.353	0.365	0.364	0.361	0.3560	3.300*
1,1,2-Trichloroethane	* 0.320	0.330	0.326	0.317	0.303	0.3190	3.200*
Benzene	* 1.446	1.472	1.459	1.431	1.346	1.4310	3.500*
trans-1,3-Dichloropropene	* 0.632	0.664	0.674	0.677	0.667	0.6630	2.800*
Bromoform	* 0.222	0.237	0.250	0.258	0.254	0.2440	6.000*
4-Methyl-2-pentanone	0.518	0.582	0.592	0.609	0.623	0.5850	6.900
2-Hexanone	0.535	0.630	0.665	0.684	0.700	0.6430	10.200
Tetrachloroethene ;	* 0.304	0.314	0.306	0.298	0.288	0.3020	3.200*
Toluene	* 1.701	1.743	1.710	1.687	1.602	1.6890	3.100*
1,1,2,2-Tetrachloroethane	* 0.315	0.329	0.323	0.314	0.305	0.3170	2.800*
-1 7 1	* 1.055	1.072	1.046	1.017	0.978	1.0330	3.600*
	* 0.582	0.605	•	0.582	0.560	0.5840	2.900*
	* 1.106	1.186	1.211	1.195	1.147	1.1690	3.600*
1 - 0 - 0 - 1 - 1 - 0 -	* 0.689	0.720	0.710	0.694	0.662	0.6950	3.200*
1,2-Dichlorobenzene	0.755	0.829	0.795	0.774	0.747	0.7800	4.200
1,3-Dichlorobenzene	0.781	0.829	0.811	0.802	0.771	0.7990	2.900

VOLATILE 3/90, CLP 0LM3.2, ASP '91 INITIAL CALIBRATION DATA

Lab Name: <u>STL Buffalo</u> Contract: _____ Lab Sample ID: <u>A510002220-1</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No: ____

Intrument ID: <u>HP59730</u> Calibration Dates(s): <u>10/25/2005</u> <u>10/25/2005</u>

Heated Purge (Y/N): N Calibration Times: 21:41 23:34

GC Column: DBS-624 ID: 0.18 (mm)

	()						
		Q8412.I Q8409.I		RRF20 RRF200	= <u>Q841</u> = <u>Q8408</u>		
COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD
1,4-Dichlorobenzene	0.780	0.829	0.816	0.815	0.782	0.8050	2.800
1,2-Dibromoethane	0.392	0.413	0.400	0.392	0.388	0.3970	2.600
Dichlorodifluoromethane	0.954	1.037	1.056	0.952	0.897	0.9790	6.700
Trichlorofluoromethane	3.856	3.950	3.873	3.761	3.584	3.8050	3.700
Methyl acetate	2.243	2.397	2.320	2.272	2.199	2.2860	3.300
Cyclohexane	0.625	0.655	0.653	0.641	0.601	0.6350	3.500
Methyl-t-Butyl Ether (MTBE)	8.318	8.770	8.819	8.663	8.341	8.5820	2.800
1,1,2-Trichloro-1,2,2-trifl	2.100	2.181	2.090	2.044	1.946	2.0720	4.200
Isopropylbenzene	1.846	2.001	1.974	1.943	1.878	1.9280	3.400
1,2,4-Trichlorobenzene	* 0.386	0.434	0.454	0.461	0.465	0.4400	7.400
Methylcyclohexane	0.631	0.658	0.642	0.623	0.592	0.6290	3.900
=======================================		=======	- 		-		======
1,2-Dichloroethane-D4	3.307	3.360	2.868	3.219	3.252	3.2010	6.100
Toluene-D8	1.350	1.418	1.211	1.327	1.317	1.3250	5.600
p-Bromofluorobenzene :	· 0.538	0.570	0.492	0.548	0.553	0.5400	5.400*

Comments:

Vial: 6
Operator: CDC

Data File: C:\HPCHEM\1\DATA\102505\Q8412.D

Acq On : 25 Oct 2005 23:34

Sample : VSTD010 Inst : HP5973 Q

Misc : Multiplr: 1.00

MS Integration Params: rteint.p

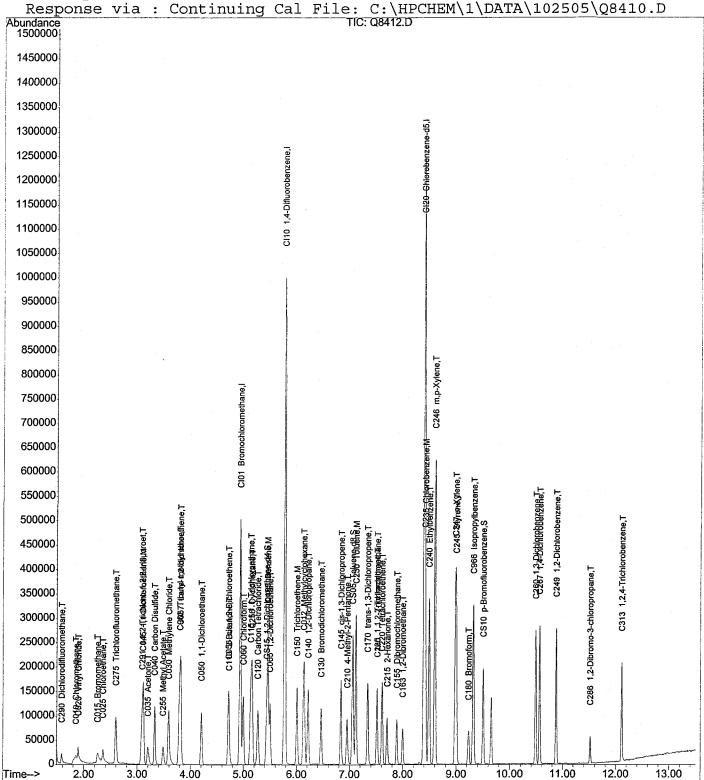
Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update: Wed Oct 26 00:17:04 2005

Regrenge via - Centinging Cal File C.\ HDCHEM\ 1\ DATA\ 102505\ 08410



Operator: CDC

Data File: C:\HPCHEM\1\DATA\102505\Q8411.D

: 25 Oct 2005 23:06

Acq On Sample : VSTD020

Inst : HP5973 Q Misc Multiplr: 1.00

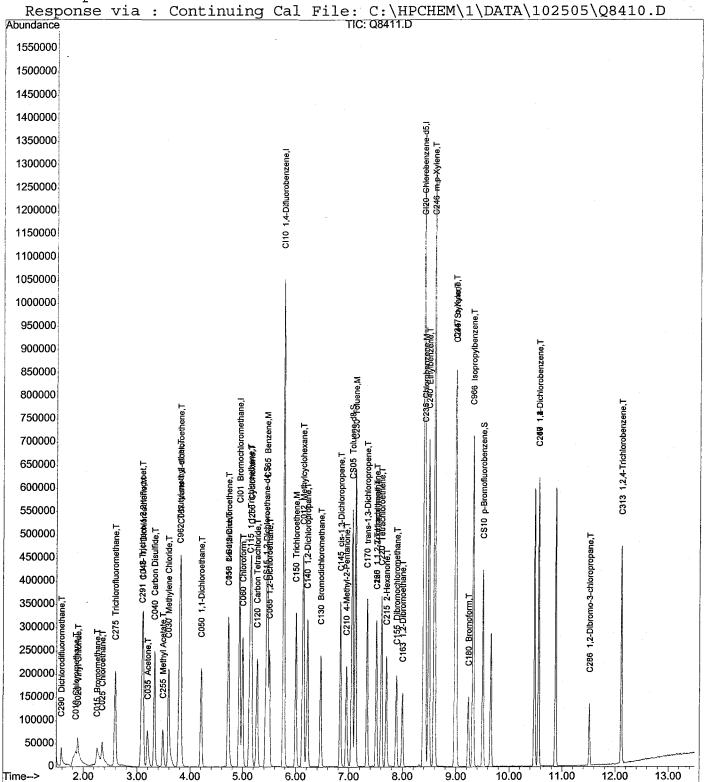
MS Integration Params: rteint.p

Quant Results File: A5I02220.RES Quant Time: Oct 26 0:28 2005

Method C:\HPCHEM\1\METHODS\QOLM4\A5I02220.M (RTE Integrator)

Title CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005



Data File: C:\HPCHEM\1\DATA\102505\Q8410.D

Vial: 4 Acq On : 25 Oct 2005 22:38 Operator: CDC

Sample : VSTD050 Inst : HP5973 Q Misc Multiplr: 1.00

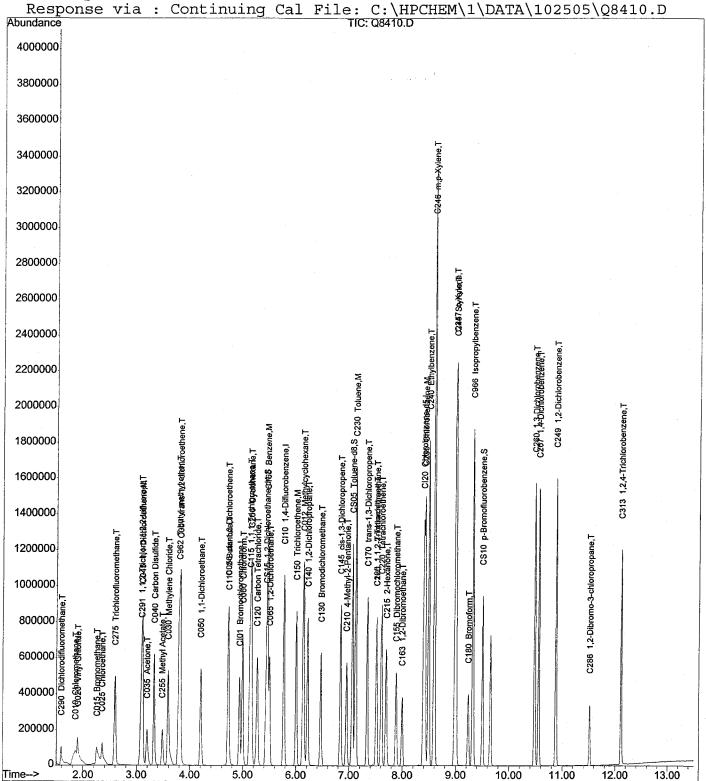
MS Integration Params: rteint.p

Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

: C:\HPCHEM\1\METHODS\QOLM4\A5I02220.M (RTE Integrator) Method

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005



Data File: C:\HPCHEM\1\DATA\102505\Q8409.D

: 25 Oct 2005 22:10 Acq On

Operator: CDC : HP5973 Q Sample : VSTD100 Inst Multiplr: 1.00

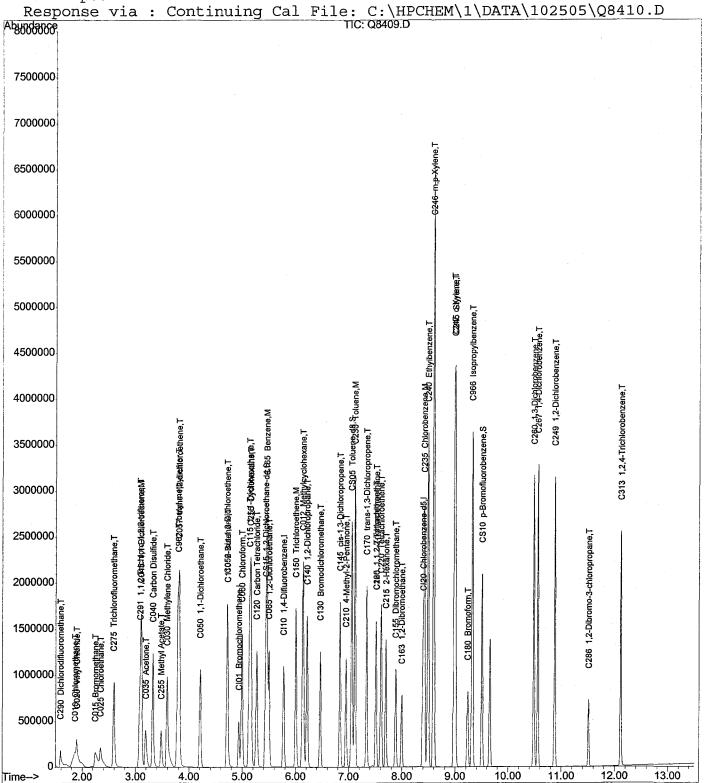
Misc

MS Integration Params: rteint.p Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

: C:\HPCHEM\1\METHODS\QOLM4\A5102220.M (RTE Integrator) Method

Title : CLPOLM04.2 WATERS

: Wed Oct 26 00:17:04 2005 Last Update



Quantitation Report

Data File: C:\HPCHEM\1\DATA\102505\Q8408.D

Acq On 25 Oct 2005 21:41

Sample VSTD200

Misc

MS Integration Params: rteint.p

Quant Time: Oct 26 0:28 2005

Vial: 2 Operator: CDC

Inst HP5973 Q :

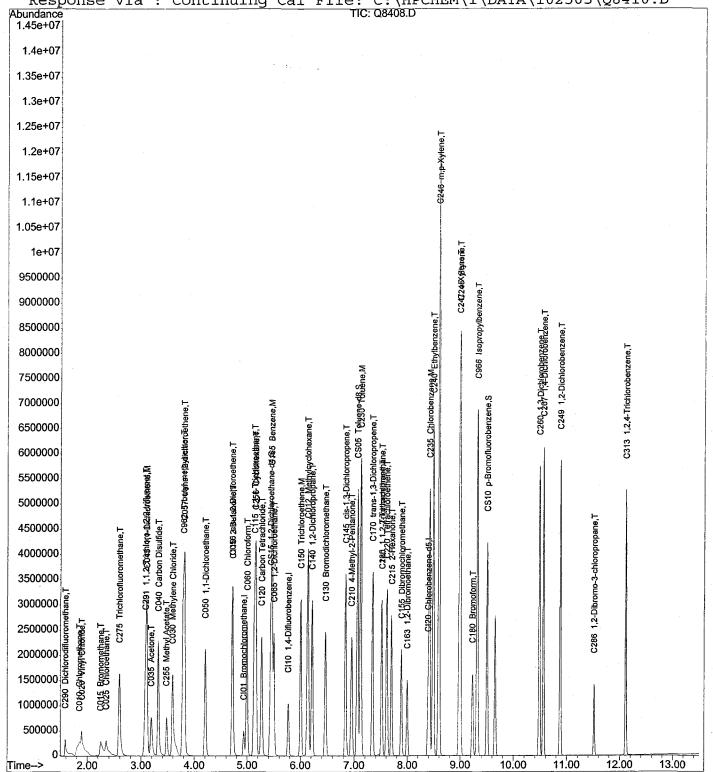
Multiplr: 1.00

Quant Results File: A5I02220.RES

: C:\HPCHEM\1\METHODS\QOLM4\A5I02220.M (RTE Integrator) Method

Title CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102505\Q8410.D



Vial: 6 Data File : C:\HPCHEM\1\DATA\102505\Q8412.D Acq On : 25 Oct 2005 23:34 Operator: CDC

Inst: HP5973 Q : VSTD010 Sample Multiplr: 1.00 Misc

MS Integration Params: rteint.p

Quant Results File: A5I02220.RES Quant Time: Oct 26 0:28 2005

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS
Last Update : Wed Oct 26 00:17:04 2005

Response via: Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal S	tandards			Response				
1) CI01	Bromochloromethane							00
22) CI10	1,4-Difluorobenzene	5.78	114	714713	250.00	ng	0. 96.7	
36) CI20	Chlorobenzene-d5	8.39	117	626619				00
19) CS15 Spiked A 42) CS05 Spiked A 48) CS10	itoring Compounds 1,2-Dichloroethane-d mount 250.000 Rang Toluene-d8 mount 250.000 Rang p-Bromofluorobenzene mount 250.000 Rang	ge 76 7.06 ge 88 9.51	- 114 98 - 110 95	Recove 169189 Recove 67430	ry = 55.74 ry = 54.66	23 ng 22 ng	.06%# 0. .30%# 0.	0.0
Target Com 2) C290 3) C010 4) C015 5) C020 6) C025 7) C030 8) C035 9) C040 10) C275 11) C045 12) C291 13) C962 14) C050 15) C255 16) C057 17) C056 18) C060 20) C065 21) C110 23) C256	Dichlorodifluorometh Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide Trichlorofluorometha 1,1-Dichloroethene 1,1,2-Trichloro-1,2, T-butyl methyl ether 1,1-Dichloroethane Methyl Acetate trans-1,2-dichloroet cis-1,2-Dichloroethe Chloroform 1,2-Dichloroethane 2-Butanone	1.86 2.25 1.89 2.35 3.59 3.20 3.32 2.59 3.11 3.09 4.21 3.48 3.82 4.72	62 64 84 43 76 101 96 101 73 63 43 96 83 62 43	39732 24575 44841 28585 54689 54114 160219 88150 43547 48011 190180 104264 51277 49788 50250 102997 96960 58442	58.37 45.23 54.78 51.85 45.34 50.17 48.56 50.23 47.16 49.73 48.33 49.26 49.69 48.74 44.79	ng ng ng ng ng ng ng ng ng ng ng ng ng n	# # # #	95 99 99 99 99 90 90 97 97 97 94 84
25) C115	Methylcyclohexane 1,1,1-Trichloroethan Carbon Tetrachloride		97		48.94	ng		85 99 93 -

Data File : C:\HPCHEM\1\DATA\102505\Q8412.D

Vial: 6 Acq On : 25 Oct 2005 23:34 Operator: CDC

Inst : HP5973 Q : VSTD010 Sample

Misc

Multiplr: 1.00

MS Integration Params: rteint.p Quant Time: Oct 26 0:28 2005

Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005
Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	Qva	alue
27)	C130	Bromodichloromethane	6.46	83	76164	49.58 ng		96
28)	C140	1,2-Dichloropropane	6.21	63	52944	49.17 ng		99
29)	C145	cis-1,3-Dichloroprop	6.84	75	90294	48.02 ng		99
30)	C150	Trichloroethene	6.01	130	48651	50.24 ng		100
31)	C165	Benzene	5.45	78	206727	49.58 ng		96
32)	C155	Dibromochloromethane	7.89	129	48160	46.22 ng		100
33)	C170	trans-1,3-Dichloropr	7.33	75	90281	46.85 ng		100
34)	C160	1,1,2-Trichloroethan	7.52	97	45678	49.07 ng		99
35)	C180	Bromoform	9.24	173	31764	44.54 ng		100
37)	C163	1,2-Dibromoethane	8.00	107	49148	49.08 ng		98
38)	C210	4-Methyl-2-Pentanone		43	64872	43.69 ng		93
39).	C215	2-Hexanone	7.70	43	67079	40.27 ng		87
40)	C220	Tetrachloroethene	7.61	164	38095	49.71 ng	#	84
41)	C225	1,1,2,2-Tetrachloroe	7.52		39532	48.82 ng		97
43)	C230	Toluene	7.12		213107	49.72 ng		93
44)	C235	Chlorobenzene	8.42	112	132198	50.45 ng		99
45)	C240	Ethylbenzene	8.49		72986	49.06 ng		95
46)	C246	m,p-Xylene	8.59	106	179801	99.77 ng		93
47)	C247	o-Xylene	8.98	106	86312	48.54 ng		94
49)	C245	Styrene	9.01	104	138653	45.67 ng		98
50)	C966	Isopropylbenzene	9.32	105	231280	46.74 ng		96
51)	C260	1,3-Dichlorobenzene	10.48	146	97812	48.13 ng		95
52)	C267	1,4-Dichlorobenzene	10.56	146	97697	47.75 ng		97
53)	C249	1,2-Dichlorobenzene	10.88	146	94665	47.52 ng	#	94
54)	C286	1,2-Dibromo-3-chloro	11.51	75	14147	43.48 ng		89
55)	C313	1,2,4-Trichlorobenze	12.12	180	48397	42.55 ng		93

Data File: C:\HPCHEM\1\DATA\102505\Q8411.D

Vial: 5 Acq On : 25 Oct 2005 23:06 Operator: CDC

Sample : VSTD020 Inst: HP5973 Q

Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth: VOA

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal Standards			Response			Rcv(Ar)
1) CI01 Bromochloromethane						0.00 99.65%
22) CI10 1,4-Difluorobenzene	5.77	114	729093	250.00	ng	0.00 98.68%
36) CI20 Chlorobenzene-d5	8.39	117	635227	250.00	ng	0.00 97.55%
System Monitoring Compounds 19) CS15 1,2-Dichloroethane-d						0.00
Spiked Amount 250.000 Range						
42) CS05 Toluene-d8	7.06	98	360344	117.12	ng	0.00
Spiked Amount 250.000 Range 48) CS10 p-Bromofluorobenzene	9 88 0 51	- 110	144789	ry = 115 70	46	.854# .0.00
			Recove:			
Target Compounds						Qvalue
2) C290 Dichlorodifluorometh	1.58	85	48377	98.23	na	
3) C010 Chloromethane			81321			
	2.25		43468			99
5) C020 Vinyl Chloride	1.90		98906			
6) C025 Chloroethane	2.35	64	54729		ng	98
7) C030 Methylene Chloride		84	111852			
	3.20	43	120470	98.99	ng	90
	3.32	76	324950			100
	2.59	101	184206	101.99		98
	3.11	96	90525	99.00		# 83
	3.09	101	101710	104.34		95
	3.79	73		99.45		
14) C050 1,1-Dichloroethane		63	212306	99.31		
	3.48	43	111765	103.30		
	3.82	96	103008 106357	99.71	ng	# 85
17) C056 cis-1,2-Dichloroethe		96				
	5.00	83	210881	99.76		
20) C065 1,2-Dichloroethane 21) C110 2-Butanone		62	202256			
	4.73	43 56	130027	97.73		88
	5.16 6.14	56 83	190895	100.23 102.56		94 # 85
25) C115 1,1,1-Trichloroethan			191943 187281	102.56	_	# 85 98
26) C120 Carbon Tetrachloride		117		99.06	_	99
					- -	

Data File : C:\HPCHEM\1\DATA\102505\Q8411.D

Vial: 5 Acq On : 25 Oct 2005 23:06 Operator: CDC

Sample : VSTD020 Inst: HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	Qva	lue
27)	C130	Bromodichloromethane	6.46	83	155810	99.43 ng		96
28)	C140	1,2-Dichloropropane	6.21	63	108791	99.05 ng		97
29)	C145	cis-1,3-Dichloroprop	6.84	75	190112	99.10 ng		97
30)	C150	Trichloroethene	6.01	130	100332	101.56 ng		96
31)	C165	Benzene	5.45	78	429247	100.91 ng		93
32)	C155	Dibromochloromethane	7.88	129	102914	96.82 ng		100
33)	C170	trans-1,3-Dichloropr	7.34	75	193750	98.56 ng		99
34)	C160	1,1,2-Trichloroethan	7.51	97	96309	101.42 ng		100
35)	C180	Bromoform	9.23	173	69169	95.08 ng		96
37)	C163	1,2-Dibromoethane	8.00	107	105016	103.45 ng		95
38)		4-Methyl-2-Pentanone	6.95	43	147901	98.26 ng		90
39)		2-Hexanone	7.70	43	160169	94.86 ng		90
40)	C220	Tetrachloroethene	7.61	164	79736	102.63 ng	#	89
41)	C225	1,1,2,2-Tetrachloroe	7.51	83	83478	101.69 ng		93
43)		Toluene	7.12	91	442911	101.94 ng		95
44)		Chlorobenzene	8.42	112	272442	102.55 ng		99
45)		Ethylbenzene	8.49	106	153627	101.87 ng		99
46)	C246	m,p-Xylene	8.60	106	376823	206.27 ng		95
47)	C247	o-Xylene	8.98	106	182935	101.48 ng		95
49)	C245	Styrene	9.00	104	301348	97.90 ng		94
50)	C966	Isopropylbenzene	9.32	105	508497	101.38 ng		96
51)	C260	1,3-Dichlorobenzene	10.56	146	210671	102.25 ng		95
52)	C267	1,4-Dichlorobenzene	10.56	146	210671	101.57 ng		97
53)	C249	1,2-Dichlorobenzene	10.56		210671	104.32 ng		94
54)	C286	1,2-Dibromo-3-chloro	11.51	75	33794	102.46 ng		88
55)	C313	1,2,4-Trichlorobenze	12.12	180	110218	95.59 nq		93

Data File : C:\HPCHEM\1\DATA\102505\Q8410.D

Acq On : 25 Oct 2005 22:38 Operator: CDC

Sample : VSTD050 Inst : HP5973 Q

Misc : Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal St	andards			Response				
1) CI01	Bromochloromethane							
22) CI10	1,4-Difluorobenzene	5.77	114	738868	250.00	ng		
36) CI20	Chlorobenzene-d5	8.39	117	651180	250.00	ng		
19) CS15 Spiked Am	toring Compounds 1,2-Dichloroethane-d ount 250.000 Range Toluene-d8 ount 250.000 Range	e 76	- 114	Recover	ry =	100.	00왕	
48) CS10	p-Bromofluorobenzene ount 250.000 Range	9.50	95	320485	250.00	ng		0.00
3) C010 4) C015 5) C020 6) C025 7) C030 8) C035 9) C040 10) C275	Dichlorodifluorometh Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone	2.25 1.90 2.35	85 50 94 62 64 84 43 76 101 96	123549 217439 107706 253621 133491 269818 305323 817053 453119 229404	250.00 250.00 250.00 250.00 250.00 250.00 250.00 250.00 250.00	ng ng ng ng ng ng ng	#	96
13) C962 14) C050 15) C255 16) C057 17) C056 18) C060 20) C065 21) C110	Methyl Acetate trans-1,2-dichloroet cis-1,2-Dichloroethe Chloroform 1,2-Dichloroethane 2-Butanone	4.72 4.99 5.50 4.73	101 73 63 43 96 96 83 62 43	530311 508919 333796	250.00	ng ng ng ng ng ng ng ng ng	#	92 87 95 83 87 93 98 86
24) C012 I 25) C115 26) C120 (Cyclohexane Methylcyclohexane 1,1,1-Trichloroethan Carbon Tetrachloride	6.14 5.13 5.27	83 97 117	474158 474070	250.00 250.00	ng ng ng		94 86 100 99

Data File : C:\HPCHEM\1\DATA\102505\Q8410.D

Vial: 4 Acq On : 25 Oct 2005 22:38 Operator: CDC

Sample : VSTD050 Inst: HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005
Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth: VOA

	Compo	pund	R.T.	QIon	Response	Conc Unit	Qv	alue
27)	C130	Bromodichloromethane	6.47	83	397011	250.00 ng	-	95
28)	C140	1,2-Dichloropropane	6.22		278278	250.00 ng		97
29)	C145	cis-1,3-Dichloroprop	6.84		486023	250.00 ng		100
30)	C150	Trichloroethene	6.00	130	250278	250.00 ng		97
31)	C165	Benzene	5.46	78	1077668	250.00 ng		97
32)	C155	Dibromochloromethane	7.88	129	269301	250.00 ng		99
33)	C170	trans-1,3-Dichloropr	7.34	75	498041	250.00 ng		99
34)	C160	1,1,2-Trichloroethan	7.51	97	240582	250.00 ng		100
35)	C180	Bromoform	9.23	173	184311	250.00 ng		93
37)		1,2-Dibromoethane	7.99	107	260169	250.00 ng		97
38)		4-Methyl-2-Pentanone	6.95	43	385765	250.00 ng		90
39)	C215	2-Hexanone	7.70	43	432720	250.00 ng		93
4,0)		Tetrachloroethene	7.61	164	199113	250.00 ng	#	86
41)		1,1,2,2-Tetrachloroe	7.51	83	210382	250.00 ng		96
43)		Toluene	7.12	91	1113440	250.00 ng		94
44)		Chlorobenzene	8.42	112	680838	250.00 ng		100
45)		Ethylbenzene	8.49	106	386488	250.00 ng		97
46)		m,p-Xylene	8.60	106	936352	500.00 ng		91
47)		o-Xylene	8.98	106	461988	250.00 ng		93
49)		Styrene	9.00	104	788829	250.00 ng		96
50)		Isopropylbenzene	9.32	105	1285448	250.00 ng		95
51)		1,3-Dichlorobenzene	10.48	146	528019	250.00 ng	#	93
52)		1,4-Dichlorobenzene	10.56	146	531551	250.00 ng		97
53)		1,2-Dichlorobenzene	10.88		517536	250.00 ng	#	93
54)		1,2-Dibromo-3-chloro	11.52	75	84530	250.00 ng		91
55)	C313	1,2,4-Trichlorobenze	12.12	180	295510	250.00 ng		95

Quantitation Report

Data File : C:\HPCHEM\1\DATA\102505\Q8409.D

Acq On : 25 Oct 2005 22:10 Operator: CDC

Inst : HP5973 Q Sample : VSTD100 Multiplr: 1.00 Misc

MS Integration Params: rteint.p

Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS
Last Update : Wed Oct 26 00:17:04 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal Standards	R.T.	QIon	Response	Conc	Units		(Min) (Ar)
1) CI01 Bromochloromethane	4.94	128	120067	250.0	0 ng		0.00
22) CI10 1,4-Difluorobenzene	5.77	114	751371	250.0	0 ng		0.00 .69%
36) CI20 Chlorobenzene-d5	8.39	117	660130	250.0	0 ng		0.00 37%
System Monitoring Compounds	F 42	65	772939	561.1	0 20		0.00
19) CS15 1,2-Dichloroethane-d Spiked Amount 250.000 Rang		- 114				.48%#	
42) CS05 Toluene-d8	7.06	98		548.0			0.00
Spiked Amount 250.000 Rang		- 110				.20%#	
48) CS10 p-Bromofluorobenzene		95		$\frac{1}{5}$ 56.2			0.00
Spiked Amount 250.000 Rang		- 115				.52%#	ŧ.
						0	7
Target Compounds	1 50	0.5	220600	450 7	0 ~~	Qva	lue 99
2) C290 Dichlorodifluorometh	1.59 1.87	85 50	228600 433736	450.7 485.8			100
3) C010 Chloromethane4) C015 Bromomethane	2.25	94	243797	551.3			94
5) C020 Vinyl Chloride	1.90	62	496380	476.7			100
6) C025 Chloroethane	2.35	64	257736	470.2			95
7) C030 Methylene Chloride	3.59	84	532902	481.0		#	80
8) C035 Acetone	3.19	43	625945	499.3		••	96
9) C040 Carbon Disulfide	3.33	76	1654977	493.3	_		100
10) C275 Trichlorofluorometha	2.59	101	903157	485.5			99
11) C045 1,1-Dichloroethene	3.11	96	455971	484.1	5 ng	#	82
12) C291 1,1,2-Trichloro-1,2,	3.08	101	490802	488.8	6 ng		93
13) C962 T-butyl methyl ether	3.79	73	2080361	491.2	_	#	87
14) C050 1,1-Dichloroethane	4.21	63	1078823	489.9	_		94
15) C255 Methyl Acetate	3.48	43	545591	489.6	_		83
16) C057 trans-1,2-dichloroet	3.82		511739	480.9	_	#	88
17) C056 cis-1,2-Dichloroethe	4.72		531659	496.2	_		94
18) C060 Chloroform	4.99	83	1061776	487.7	_		95
20) C065 1,2-Dichloroethane	5.50	62	1035739	495.7	_		98
21) C110 2-Butanone	4.73		686983				87
23) C256 Cyclohexane	5.16		963422				95 96
24) C012 Methylcyclohexane	6.14	83	936323	485.4	o ng		86
25) C115 1,1,1-Trichloroethan 26) C120 Carbon Tetrachloride	5.13	ソ/ 11ワ	203033 011135	499.8 501 6	3 na		100 99
Zo, Cizu Carbon Tetrachioride	5. <i>41</i>		OTTT72				
(#) - qualifier out of range (m)	- mani	ıal int	egration				

Data File : C:\HPCHEM\1\DATA\102505\Q8409.D Acq On : 25 Oct 2005 22:10 Vial: 3 Operator: CDC

Sample : VSTD100 Inst: HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

Quant Method: C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005
Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth: VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	Qva	alue
27)	C130	Bromodichloromethane	6.46	83	802012	496.63 ng		97
28)	C140	1,2-Dichloropropane	6.22	63	560625	495.27 ng		99
29)	C145	cis-1,3-Dichloroprop	6.84	75	994641	503.11 ng		99
30)	C150	Trichloroethene	6.00	130	496777	487.97 ng		97
31)	C165	Benzene	5.46	78	2150432	490.56 ng		96
32)	C155	Dibromochloromethane	7.89	129	547285	499.61 ng		99
33)	C170	trans-1,3-Dichloropr	7.33	75	1017907	502.45 ng		99
34)	C160	1,1,2-Trichloroethan	7.52	97	476366	486.78 ng		98
35)	C180	Bromoform	9.23	173	387993	517.52 ng		99
37)	C163	1,2-Dibromoethane	8.00	107	517794	490.81 ng		99
38)	C210	4-Methyl-2-Pentanone	6.95	43	803524	513.67 ng	#	88
39)	C215	2-Hexanone	7.70	43	903621	514.98 ng		90
40)	C220	Tetrachloroethene	7.61	164	393948	487.92 ng	#	87
41)	C225	1,1,2,2-Tetrachloroe	7.51	83	414187	485.51 ng		96
43)	C230	Toluene	7.12	91	2227630	493.39 ng		95
44)	C235	Chlorobenzene	8.42	112	1342133	486.14 ng		99
45)	C240	Ethylbenzene	8.49	106	768423	490.32 ng		98
46)	C246	m,p-Xylene	8.59	106	1851116	975.07 ng		91
47)	C247	o-Xylene	8.98	106	916014	488.97 ng	#	89
49)	C245	Styrene	9.00	104	1577524	493.18 ng		91
50)	C966	Isopropylbenzene	9.32	105	2565689	492.22 ng		94
51)	C260	1,3-Dichlorobenzene	10.48	146	1058636	494.43 ng	#	93
52)	C267	1,4-Dichlorobenzene	10.56	146	1076403	499.39 ng		97
53)	C249	1,2-Dichlorobenzene	10.88	146	1022312	487.14 ng	#	91
54)	C286	1,2-Dibromo-3-chloro	11.51	75	179679	524.20 ng		90
55)	C313	1,2,4-Trichlorobenze	12.12	180	608965	508.20 ng		93

HP5973-Q

Page 1

Data File: C:\HPCHEM\1\DATA\102505\Q8408.D

Vial: 2 Acq On : 25 Oct 2005 21:41 Operator: CDC

: VSTD200 Inst : HP5973 Q Sample Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: A5I02220.RES Quant Time: Oct 26 0:28 2005

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

: CLPOLM04.2 WATERS Title

Last Update : Wed Oct 26 00:17:04 2005

Response via: Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal Standards			_	Conc Units	Dar/Ar \
1) CI01 Bromochloromethane			120059		
22) CI10 1,4-Difluorobenzene	5.78	114	742132	250.00 ng	0.00
36) CI20 Chlorobenzene-d5	8.39	117	642712	250.00 ng	100.44% 0.00 98.70%
System Monitoring Compounds 19) CS15 1,2-Dichloroethane-d Spiked Amount 250.000 Ran 42) CS05 Toluene-d8 Spiked Amount 250.000 Ran 48) CS10 p-Bromofluorobenzene Spiked Amount 250.000 Ran	ge 76 7.06 ge 88 9.50	- 114 98 - 110 95	Recove 3385245 Recove 1420446	ery = 453 1087.43 ng ery = 434 1122.64 ng	0.00 .55%# 0.00 .97%#
Target Compounds 2) C290 Dichlorodifluorometh 3) C010 Chloromethane 4) C015 Bromomethane 5) C020 Vinyl Chloride 6) C025 Chloroethane 7) C030 Methylene Chloride 8) C035 Acetone 9) C040 Carbon Disulfide 10) C275 Trichlorofluorometha	1.85 2.24 1.89 2.34 3.59 3.19 3.32 2.59	50 94 62 64 84 43 76 101	430814 852137 419831 931449 420730 1004940 1251573 3130217 1720991	954.66 ng 949.53 ng 894.64 ng 767.76 ng 907.29 ng 998.56 ng 933.25 ng 925.21 ng	100 94 98 100 # 79 95 100 98
11) C045 1,1-Dichloroethene 12) C291 1,1,2-Trichloro-1,2, 13) C962 T-butyl methyl ether 14) C050 1,1-Dichloroethane 15) C255 Methyl Acetate 16) C057 trans-1,2-dichloroet 17) C056 cis-1,2-Dichloroethe 18) C060 Chloroform 20) C065 1,2-Dichloroethane 21) C110 2-Butanone	3.48 3.82 4.72 5.00	101 73 63 43 96 96 83	858079 934698 4005736 2060294 1056072 951883 995424 2043558 2020124 1346144	894.68 ng	93 # 88 95 82 # 90
23) C256 Cyclohexane 24) C012 Methylcyclohexane 25) C115 1,1,1-Trichloroethan 26) C120 Carbon Tetrachloride	5.15 6.13 5.13 5.26	56 83 97 117	1784620 1755783 1858728 1572485	920.59 ng 921.67 ng 975.89 ng	90 94 86 99 99
(#) = qualifier out of range (m)				IIDE 0.72 O	Dage 1

Q8408.D A5I02220.M Wed Oct 26 00:28:27 2005

Data File : C:\HPCHEM\1\DATA\102505\Q8408.D Acq On : 25 Oct 2005 21:41 Vial: 2 Operator: CDC

Sample : VSTD200 Inst : HP5973 Q

Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth: VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qva	alue
27)	C130	Bromodichloromethane	6.46	83	1570673	984.71 ng		- - 97
28)	C140	1,2-Dichloropropane	6.22	63	1059396	947.56 ng		98
29)	C145	cis-1,3-Dichloroprop	6.84	75	1899923	972.98 ng		100
30)	C150	Trichloroethene	6.01	130	931275	926.15 ng		96
31)	C165	Benzene	5.45	78	3996584	923.06 ng		96
32)	C155	Dibromochloromethane	7.89	129	1071124	989.98 ng		99
33)	C170	trans-1,3-Dichloropr	7.34	75	1980859	989.95 ng		99
34)	C160	1,1,2-Trichloroethan	7.52	97	899802	930.91 ng		99
35)	C180	Bromoform	9.23	173	753750	1017.89 ng		97
37)	C163	1,2-Dibromoethane	8.00	107	996198	969.87 ng		98
38)	C210	4-Methyl-2-Pentanone	6.95	43	1600778	1051.07 ng		90
	C215	2-Hexanone	7.70	43	1798399	1052.70 ng		92
40)	C220	Tetrachloroethene	7.61	164	739690	940.97 ng	#	89
41)	C225	1,1,2,2-Tetrachloroe	7.52	83	785012	945.13 ng		98
43)	C230	Toluene	7.12	91	4119239	937.08 ng		95
44)	C235	Chlorobenzene	8.42	112	2513834	935.23 ng		99
45)	C240	Ethylbenzene	8.49	106	1438639	942.85 ng		99
46)	C246	m,p-Xylene	8.60	106	3389583	1833.84 ng		95
47)	C247	o-Xylene	8.98	106	1700723	932.45 ng	#	87
49)	C245	Styrene	9.00	104	2948071	946.63 ng		85
50)	C966	Isopropylbenzene	9.32	105	4827303	951.21 ng		94
51)	C260	1,3-Dichlorobenzene	10.48	146	1981995	950.77 ng	#	92
52)	C267	1,4-Dichlorobenzene	10.56	146	2011097	958.32 ng		97
53)	C249	1,2-Dichlorobenzene	10.88	146	1921166	940.26 ng	#	90
54)	C286	1,2-Dibromo-3-chloro	11.51	75	355066	1063.95 ng		89
55)	C313	1,2,4-Trichlorobenze	12.11	180	1195617	1024.81 ng		94

VOLATILE 3/90, CLP 0LM3.2, ASP '91 CONTINUING CALIBRATION CHECK

Lab Name: <u>STL Buffalo</u> Contract: _____ Lab Samp ID: <u>A5C0005700-1</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No: ____

Lab File Id: 08369.RR Calibration Date: 10/24/2005 Time: 08:28

Intrument ID: <u>HP5973Q</u> Init. Calib. Date(s): <u>10/21/2005</u> <u>10/21/2005</u>

Heated Purge (Y/N): N Init. Calib. Times: 14:23 16:16

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	2.1210	2.1374	0.0100	-0.800	100.00
Bromomethane	1.0660	i e			
Vinyl chloride	2.1660	i	0.1000	-1.600	
Chloroethane	1.1180			ž –	100.00
Methylene chloride	2.3840		0.0100	-2.000	100.00
Acetone	2.3250		0.0100	-20.400	100.00
Carbon Disulfide	7.2320		0.0100		100.00
1,1-Dichloroethene	2.0440		0.1000	-1.600	25.00
1,1-Dichloroethane	4.7410		0.2000		
cis-1,2-Dichloroethene	2.4500	2.5292	0.0100	-3.200	100.00
trans-1,2-Dichloroethene	2.3400	2.4109	0.0100	-3.000	100.00
Chloroform	4.5750	4.6648	0.2000	-2.000	25.00
1,2-Dichloroethane	4.3690	4.5617	0.1000	-4.400	25.00
2-Butanone	2.5920	3.1130	0.0100	-20.100	100.00
1,1,1-Trichloroethane	0.6270	0.5991	0.1000	4.400	25.00
Carbon Tetrachloride	0.5380	0.4632	0.1000	13.900	25.00
Bromodichloromethane	0.5200	0.5002	0.2000	3.800	25.00
1,2-Dichloropropane	0.3830	0.3864	0.0100	-0.900	100.00
cis-1,3-Dichloropropene	0.6370		0.2000	-1.800	25.00
1,2-Dibromo-3-chloropropane	0.1220	0.1172	0.0100	3.900	
Trichloroethene	0.3480				t e
Dibromochloromethane	0.3720	0.3441	0.1000	ľ	t .
1,1,2-Trichloroethane	0.3360			1	ŀ
Benzene	1.4540				l .
trans-1,3-Dichloropropene	0.6400	1 .			
Bromoform	0.2520				1
4-Methyl-2-pentanone	0.5700			-8.700	
2-Hexanone	0.5280				
Tetrachloroethene	0.2910	1			6
Toluene	1.6940			0.500	
1,1,2,2-Tetrachloroethane	0.3090			2.100	
Chlorobenzene	1.0720		0.5000	1.000	
Ethylbenzene	0.5780				B.
Styrene	1.1700	1.1862	0.3000	-1.400	25.00
Total Xylenes	0.6870	0.6911	0.3000	-0.600	25.00
1,2-Dichlorobenzene	0.7810	0.7880	0.4000	-0.900	25.00
1,3-Dichlorobenzene	0.8040	0.8103	0.6000	-0.800	25.00
1,4-Dichlorobenzene	0.8060	0.8099	0.5000	-0.500	25.00
1,2-Dibromoethane	0.3850	0.3770	0.0100	2.100	100.00

VOLATILE 3/90, CLP 0LM3.2, ASP '91 CONTINUING CALIBRATION CHECK

Lab Name: <u>STL Buffalo</u> Contract: _____ Lab Samp ID: <u>A5C0005700-1</u>

Lab Code: RECNY Case No.: ____ SAS No.: ___ SDG No: ____

Lab File Id: <u>Q8369.RR</u> Calibration Date: <u>10/24/2005</u> Time: <u>08:28</u>

Intrument ID: <u>HP5973Q</u> Init. Calib. Date(s): <u>10/21/2005</u> <u>10/21/2005</u>

Heated Purge (Y/N): N Init. Calib. Times: 14:23 16:16

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Dichlorodifluoromethane Trichlorofluoromethane Methyl acetate Cyclohexane Methyl-t-Butyl Ether (MTBE) 1,1,2-Trichloro-1,2,2-trifluoro Isopropylbenzene 1,2,4-Trichlorobenzene Methylcyclohexane	0.2810 2.9250 2.5280 0.5860 8.4220 1.8040 1.8660 0.4540	2.4543 0.5808 8.7387 1.9360 1.8991 0.4628	0.0100 0.0100 0.0100 0.0100 0.0100	-7.900 2.900 0.900 -3.800 -7.300 -1.800 -1.900	100.00 100.00 100.00 100.00 100.00 100.00 25.00 100.00
1,2-Dichloroethane-D4 Toluene-D8 p-Bromofluorobenzene	2.9750 1.2460 0.5160	1.3778		i ·	100.00

Data File : C:\HPCHEM\1\DATA\102405\Q8369.D

: 24 Oct 2005 Acq On 8:28

Operator: JMB Sample : VSTD025 Inst : HP5973 Q Multiplr: 1.00

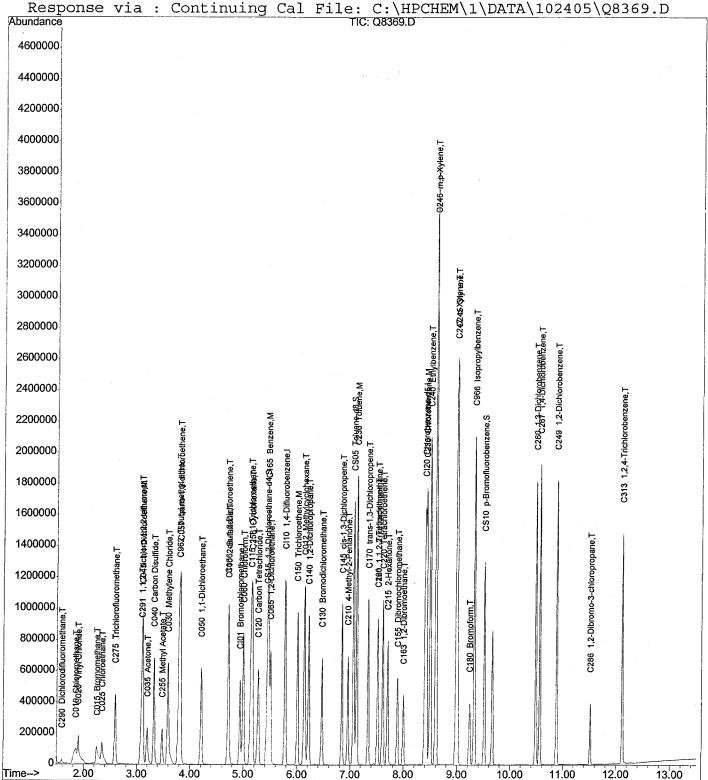
Misc MS Integration Params: rteint.p

Ouant Time: Oct 24 8:46 2005 Ouant Results File: A5I02197.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 08:46:39 2005



Data File : C:\HPCHEM\1\DATA\102405\Q8369.D Acq On : 24 Oct 2005 8:28

Operator: JMB : VSTD025 Inst : HP5973 O Sample Multiplr: 1.00

Misc

12

MS Integration Params: rteint.p

Quant Time: Oct 24 8:46 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

: CLPOLM04.2 WATERS Title

Last Update : Mon Oct 24 08:46:39 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102405\Q8369.D (24 Oct 2005 8:28)

Inte	rnal S	tandards			Response		Re	v(Ar)
1)	CI01	Bromochloromethane					ng	
22)	CI10	1,4-Difluorobenzene	5.77	114	847194	250.00	ng	
36)	CI20	Chlorobenzene-d5	8.39	117	784632	250.00	ng	0.00
		itoring Compounds 1,2-Dichloroethane-d	5.43	65	423229	250.00	ng	0.00
Sp.	iked A	mount 250.000 Rang	je 76	- 114	Recove	ry =	100.009	ુ જ
42)	CS05	Toluene-d8	7.06	98				
		mount 250.000 Rang						
		p-Bromofluorobenzene mount 250.000 Rang			432174 Recove			
Targe	et Com	pounds					rQ	value
2)	C290			85	31424			
-		Chloromethane		50	272207		ng	
	C015		2.25	94	110499		ng	
•	C020	Vinyl Chloride	1.90	62	280409	250.00	ng	98
	C025	Chloroethane		64	150868		ng	
-	C030	Methylene Chloride		84 43	309790 356482		ng #	87 95
	C035 C040	Acetone Carbon Disulfide	3.20	43 76	887843	250.00	ng	100
-	C275		2.59	101	401939		na	99
	C045	1,1-Dichloroethene	3.11		264402	250.00	ng	92
-	C291		3.09	101	246559			95
	C962	T-butyl methyl ether	3.79	73	1112938	250.00	ng	90
	C050	1,1-Dichloroethane		63	619916	250.00	nq	98
-	C255	Methyl Acetate	3.48	43	312574	250.00	ng	89
16)	C057	trans-1,2-dichloroet	3.82	96	307040	250.00	ng #	83
17)	C056	cis-1,2-Dichloroethe	4.72	96	322106	250.00	ng	96
18)	C060	Chloroform	5.00	83	594095	250.00		95
20)	C065	1,2-Dichloroethane	5.50	62	580966	250.00	ng	97
	C110	2-Butanone	4.73	43	396467	250.00		91
•	C256	±	5.16	56	492060	250.00		99
	C012		6.14	83	472055	250.00		89
	C115			97	507590	250.00	ng	99
26) 	C120	Carbon Tetrachloride	5.27	117	392432	250.00 	ng	99

Quantitation Report

Data File: C:\HPCHEM\1\DATA\102405\Q8369.D

Vial: 2 Acq On : 24 Oct 2005 8:28 Operator: JMB

: VSTD025 Sample Inst : HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 24 8:46 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS
Last Update : Mon Oct 24 08:46:39 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth : VOA

.	Compo	und	R.T.	QIon	Response	Conc Unit	Qva	alue
27)	C130	Bromodichloromethane	6.46	83	423775	250.00 ng		94
28)	C140	1,2-Dichloropropane	6.21	63	327343	250.00 ng		100
29)	C145	cis-1,3-Dichloroprop	6.84	75	549406	250.00 ng		100
30)	C150	Trichloroethene	6.01	130	299654	250.00 ng		99
31)	C165	Benzene	5.45	78	1239606	250.00 ng		98
32)	C155	Dibromochloromethane	7.89	129	291515	250.00 ng		96
33)	C170	trans-1,3-Dichloropr	7.33	7 5	553113	250.00 ng		99
34)	C160	1,1,2-Trichloroethan	7.52	97	286381	250.00 ng		99
35)	C180	Bromoform	9.23	173	185333	250.00 ng		99
37)	C163	1,2-Dibromoethane	8.00	107	295812	250.00 ng		98
38)	C210	4-Methyl-2-Pentanone	6.95	43	486187	250.00 ng		90
39)	C215	2-Hexanone	7.70	43	518027	250.00 ng		94
40)	C220	Tetrachloroethene	7.61	164	228773	250.00 ng	#	87
41)	C225	1,1,2,2-Tetrachloroe	7.51	83	237407	250.00 ng		97
43)	C230	Toluene	7.12	91	1322165	250.00 ng		94
44)	C235	Chlorobenzene	8.42	112	832610	250.00 ng		99
45)	C240	Ethylbenzene	8.49	106	456100	250.00 ng		99
46)	C246	m,p-Xylene	8.60	106	1100720	500.00 ng		94
47)	C247	o-Xylene	8.98	106	542226	250.00 ng		92
49)		Styrene	9.00	104	930704	250.00 ng		95
50)	C966	Isopropylbenzene	9.32	105	1490084	250.00 ng		96
51)	C260	1,3-Dichlorobenzene	10.49	146	635798	250.00 ng		95
52)	C267	1,4-Dichlorobenzene	10.56	146	635499	250.00 ng		98
53)	C249	1,2-Dichlorobenzene	10.88	146	618275	250.00 ng		93
54)	C286	1,2-Dibromo-3-chloro	11.51	75	91967	250.00 ng		95
55)	C313	1,2,4-Trichlorobenze	12.12	180	363157	250.00 ng		99

VOLATILE 3/90, CLP 0LM3.2, ASP '91 CONTINUING CALIBRATION CHECK

Lab Name: <u>STL Buffalo</u> Contract: _____ Lab Samp ID: <u>A5C0005701-1</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No: ____

Lab File Id: <u>Q8410.RR</u> Calibration Date: <u>10/25/2005</u> Time: <u>22:38</u>

Intrument ID: <u>HP5973Q</u> Init. Calib. Date(s): <u>10/25/2005</u> <u>10/25/2005</u>

Heated Purge (Y/N): N Init. Calib. Times: 21:41 23:34

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	1.7840	1.8587	0.0100	-4.200	100.00
Bromomethane	0.9630	0.9207	0.1000	4.400	25.00
Vinyl chloride	2.0510	2.1680	0.1000	-5.700	
Chloroethane	1.1030	1.1411	0.0100		100.00
Methylene chloride	2.2820	2.3064	0.0100	-1.100	100.00
Acetone	2.5550	2.6099	0.0100		100.00
Carbon Disulfide	6.8740		0.0100		100.00
1,1-Dichloroethene	1.8990	1.9610	0.1000	-3.300	I .
1,1-Dichloroethane	4.4960	1	0.2000	<u> </u>	
cis-1,2-Dichloroethene	2.1990	3	0.0100		100.00
trans-1,2-Dichloroethene	2.1430		0.0100		100.00
Chloroform	4.4470	1	0.2000	-1.900	
1,2-Dichloroethane	4.2900		0.1000	-1.400	
2-Butanone	2.7720	1	0.0100		100.00
1,1,1-Trichloroethane	0.6360	1	0.1000	-0.900	
Carbon Tetrachloride	0.5290		0.1000	-1.700	
Bromodichloromethane	0.5330		0.2000	-0.800	
1,2-Dichloropropane	0.3700		0.0100		100.00
cis-1,3-Dichloropropene	0.6490		0.2000	-1.400	L .
1,2-Dibromo-3-chloropropane	0.1300		0.0100		100.00
Trichloroethene	0.3330		0.3000	-1.700	
Dibromochloromethane	0.3560		0.1000	-2.400	· ·
1,1,2-Trichloroethane	0.3190		0.1000	-2.100	
Benzene	1.4310	1	0.5000	-1.900	
trans-1,3-Dichloropropene	0.6630	0.6741	0.1000	-1.700	
Bromoform	0.2440	0.2495	0.1000	-2.200	
4-Methyl-2-pentanone	0.5850	0.5924	0.0100	-1.300	
2-Hexanone	0.6430	0.6645	0.0100	-3.300	4
Tetrachloroethene	0.3020	0.3058	0.2000	-1.200	
Toluene	1.6890		0.4000	-1.200	
1,1,2,2-Tetrachloroethane	0.3170		0.3000	-1.900	P .
Chlorobenzene	1.0330	1.0455	0.5000	-1.200	
Ethylbenzene	0.5840			-1.600	
Styrene	1.1690	1.2114	0.3000	-3.600	25.00
Total Xylenes	0.6950	0.7095	0.3000	-2.100	l .
1,2-Dichlorobenzene	0.7800	0.7948	0.4000	-1.900	25.00
1,3-Dichlorobenzene	0.7990	0.7948	0.6000	-1.500	25.00
1,4-Dichlorobenzene	0.8050	0.8163	0.5000	-1.400	25.00
1,2-Dibromoethane	0.8030	0.3995	0.0100	-0.600	100.00
T, & DIDIOMOGCHAME	1 0.33/0	0.3993	0.0100	-0.000	1 -00.00

VOLATILE 3/90, CLP 0LM3.2, ASP '91 CONTINUING CALIBRATION CHECK

Lab Name: <u>STL Buffalo</u> Contract: _____ Lab Samp ID: <u>A5C0005701-1</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No: ____

Lab File Id: 08410.RR Calibration Date: 10/25/2005 Time: 22:38

Intrument ID: <u>HP5973Q</u> Init. Calib. Date(s): <u>10/25/2005</u> <u>10/25/2005</u>

Heated Purge (Y/N): N Init. Calib. Times: 21:41 23:34

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Dichlorodifluoromethane Trichlorofluoromethane Methyl acetate Cyclohexane Methyl-t-Butyl Ether (MTBE) 1,1,2-Trichloro-1,2,2-trifluoro Isopropylbenzene 1,2,4-Trichlorobenzene Methylcyclohexane	0.9790 3.8050 2.2860 0.6350 8.5820 2.0720 1.9280 0.4400 0.6290	3.8733 2.3202 0.6530 8.8186 2.0904 1.9740 0.4538	0.0100 0.0100 0.0100 0.0100 0.2000	-1.800 -1.500 -2.800 -2.800 -0.900 -2.400 -3.100	100.00 100.00 100.00 100.00 100.00 100.00 25.00 100.00
1,2-Dichloroethane-D4 Toluene-D8 p-Bromofluorobenzene	3.2010 1.3250 0.5400	1.2109		8.600	1 I

Quantitation Report

Data File : C:\HPCHEM\1\DATA\102505\Q8410.D

 Acq On
 : 25 Oct 2005 22:38
 Operator: CDC

 Sample
 : VSTD050
 Inst : HP59

Sample : VSTD050 Inst : HP5973 Q
Misc : Multiplr: 1.00

MS Integration Params: rteint.p

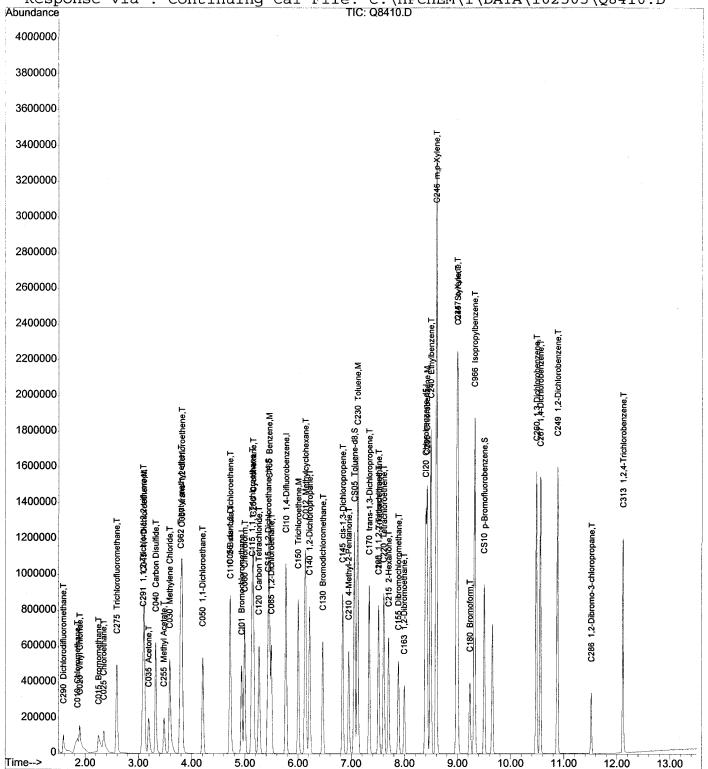
Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:29:02 2005

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102505\Q8410.D



Data File : C:\HPCHEM\1\DATA\102505\Q8410.D

Vial: 4 Acq On : 25 Oct 2005 22:38 Operator: CDC

Sample : VSTD050 Inst : HP5973 Q

Misc

Multiplr: 1.00

MS Integration Params: rteint.p Quant Time: Oct 26 0:28 2005

Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth: VOA

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal Standards	R.T.	QIon	Response	Conc U	Jnits		(Min) (Ar)
1) CI01 Bromochloromethane	4.94	128	116985	250.00	ng		0.00 0.00%
22) CI10 1,4-Difluorobenzene	5.77	114	738868	250.00	ng		0.00 0.00 0.00%
36) CI20 Chlorobenzene-d5	8.39	117	651180	250.00	ng		0.00 0.00 0.00%
System Monitoring Compounds						10	
19) CS15 1,2-Dichloroethane-d Spiked Amount 250.000 Rang		65 - 114			_	.00%	0.00
42) CS05 Toluene-d8	7.06	98	788522	250.00	ng		0.00
Spiked Amount 250.000 Rang 48) CS10 p-Bromofluorobenzene	9.50	95	Recove: 320485	ry = 250.00		.00%	0.00
Spiked Amount 250.000 Rang	je 86	- 115	Recove	ry =	100	.00%	
Target Compounds						Qva	alue
2) C290 Dichlorodifluorometh		85	123549				97
3) C010 Chloromethane	1.85	50	217439	250.00			100
4) C015 Bromomethane	2.25	94	107706	250.00			96
5) C020 Vinyl Chloride		62	253621	250.00			100
6) C025 Chloroethane	2.35	64	133491	250.00			99
7) C030 Methylene Chloride 8) C035 Acetone	3.59 3.19		269818	250.00		#	79
9) C035 Acetone 9) C040 Carbon Disulfide	3.19	43 76	305323 817053	250.00 250.00	_		96
10) C275 Trichlorofluorometha	2.59	101	453119	250.00	_		100 99
11) C045 1,1-Dichloroethene	3.11	96	229404	250.00	_	#	83
12) C291 1,1,2-Trichloro-1,2,	3.08	101	244551	250.00	_	#	92
13) C962 T-butyl methyl ether	3.79	73	1031643	250.00		#	87
14) C050 1,1-Dichloroethane	4.20	63	536345	250.00	_	"	95
15) C255 Methyl Acetate	3.48	43	271423	250.00	_		83
16) C057 trans-1,2-dichloroet	3.82	96	259175	250.00	_	#	87
17) C056 cis-1,2-Dichloroethe	4.72	96	260948	250.00	ng		93
18) C060 Chloroform	4.99	83	530311	250.00	ng		93
20) C065 1,2-Dichloroethane	5.50	62	508919	250.00	ng		98
21) C110 2-Butanone	4.73	43	333796	250.00	ng		86
23) C256 Cyclohexane	5.16	56	482508	250.00	ng		94
24) C012 Methylcyclohexane	6.14	83			_		86
25) C115 1,1,1-Trichloroethan	5.13		474070		_		100
26) C120 Carbon Tetrachloride	5.27	117	397515	250.00	ng		99
(#) = qualifier out of range (m)	= manı	ial int	tegration				

STL Buffalo

Vial: 4

Data File : C:\HPCHEM\1\DATA\102505\Q8410.D

: 25 Oct 2005 22:38 Acq On

Operator: CDC Sample : VSTD050 Inst: HP5973 Q

Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 26 0:28 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:17:04 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	Qva	alue
27)	C130	Bromodichloromethane	6.47	83	397011	250.00 ng		 95
28)	C140	1,2-Dichloropropane	6.22	63	278278	250.00 ng		97
29)	C145	cis-1,3-Dichloroprop	6.84	75	486023	250.00 ng		100
30)	C150	Trichloroethene	6.00	130	250278	250.00 ng		97
31)	C165	Benzene	5.46	78	1077668	250.00 ng		97
32)	C155	Dibromochloromethane	7.88	129	269301	250.00 ng		99
33)	C170	trans-1,3-Dichloropr	7.34	75	498041	250.00 ng		99
34)	C160	1,1,2-Trichloroethan	7.51	97	240582	250.00 ng		100
35)	C180	Bromoform	9.23	173	184311	250.00 ng		93
37)	C163	1,2-Dibromoethane	7.99	107	260169	250.00 ng		97
38)	C210	4-Methyl-2-Pentanone	6.95	43	385765	250.00 ng		90
39)	C215	2-Hexanone	7.70	43	432720	250.00 ng		93
40)	C220	Tetrachloroethene	7.61	164	199113	250.00 ng	#	86
41)	C225	1,1,2,2-Tetrachloroe	7.51	83	210382	250.00 ng		96
43)	C230	Toluene	7.12	91	1113440	250.00 ng		94
44)	C235	Chlorobenzene	8.42	112	680838	250.00 ng		100
45)	C240	Ethylbenzene	8.49	106	386488	250.00 ng		97
46)	C246	m,p-Xylene	8.60	106	936352	500.00 ng		91
47)	C247	o-Xylene	8.98	106	461988	250.00 ng		93
49)	C245	Styrene	9.00	104	788829	250.00 ng		96
50)	C966	Isopropylbenzene	9.32	105	1285448	250.00 ng		95
51)	C260	1,3-Dichlorobenzene	10.48	146	528019	250.00 ng	#	93
52)	C267	1,4-Dichlorobenzene	10.56	146	531551	250.00 ng		97
53)	C249	1,2-Dichlorobenzene	10.88	146	517536	250.00 ng	#	93
54)	C286	1,2-Dibromo-3-chloro	11.52	75	84530	250.00 ng		91
55)	C313	1,2,4-Trichlorobenze	12.12	180	295510	250.00 ng		95

Raw QC Data

Data File : C:\HPCHEM\1\DATA\102105\Q8325.D

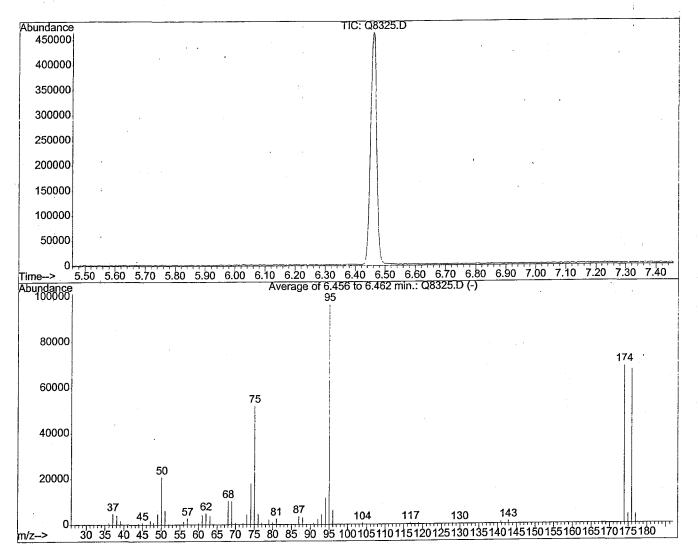
Vial: 1 Operator: JMB : 21 Oct 2005 13:31

Acq On Inst : HP5973 Q Sample : 1021BFBQ2 Multiplr: 1.00

Misc MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\QOLM4\A5102120.M (RTE Integrator)

Title : CLPOLM04.2 WATERS



1050 (6 46 min)

J	Peak Apex	is scan: .	1050 (6.46	(((T11)				
Ī	Average of	3 scans:	1049,1050	,1051 minus	s backgrou	and scan 103	30 (6.39 min)	ı
	Target	Rel. to	Lower	Upper	Rel.	Raw	Result	
	Mass	Mass	Limit,%	Limit,%	Abn,%	Abn	Pass/Fail	
								•
	l 50 l	95	8	40	21.5	20779	PASS	
	75	95	30	66	53.9	51995	PASS	
	95	95	100	100	100.0	96509	PASS	
	96	95	5	9	6.5	6320	PASS	
	173	174	0	2	0.0	0	PASS	
	174	95	50	120	71.3	68821	PASS	
	175	174	4	9	5.8	4024	PASS	
	176	174	93	101	97.8	67336	PASS	
	177	176	5	9	5.9	3985	PASS	

werage of	6.456 to	6.462 min.:	Q8325.D				237/299
	1021	BFBQ2					•
4	abund. 787 4849 4085 1711 519 767 1770 824 4671 20779 6223 6.456 to 1021	m/z 56.00 57.05 60.05 61.00 62.00 63.05 68.00 69.00 70.05 72.00 73.00 6.462 min.: BFBQ2	abund. 1385 2813 840 4185 5066 3826 10463 10378 777 653 4312 Q8325.D	m/z 74.00 75.00 76.00 76.95 78.90 79.90 80.95 86.95 87.95 90.90	abund. 18029 51995 4746 743 2153 929 2576 3552 3080 553 2377	m/z 93.00 94.05 95.00 96.00 103.95 116.85 118.90 140.85 142.85 173.90 174.90	abund. 4514 11690 96509 6320 686 659 545 990 1225 68821 4024
Modified:su m/z 175.90 176.90	btracted abund. 67336 3985	m/z	abund.	m/z	abund.	m/z	abund.

Multiplr: 1.00

Data File: C:\HPCHEM\1\DATA\102405\Q8368.D

: 24 Oct 2005 Acq On

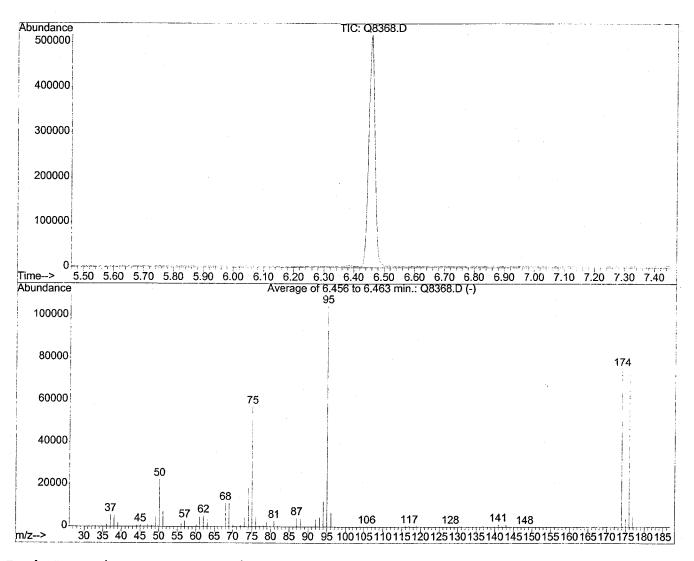
Operator: JMB Sample : 1024BFBQ1 Inst : HP5973 Q

Misc

MS Integration Params: rteint.p

: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS



Peak Apex is scan: 1049 (6.46 min)

10011 110011	TO DOGITE .	1047 (0.40	111711/				
Average of	3 scans:	1048,1049	,1050 minus	s backgrou	and scan 102	29 (6.40 min)	
Target	Rel. to	Lower	Upper	Rel.	Raw	Result	
Mass	Mass	Limit,%	Limit,%	Abn,%	Abn	Pass/Fail	
	- 	, 			' 		
50	95	.8	40	21.4	22347	PASS	
75	95	30	66	54.3	56789	PASS	
95	95	100	100	100.0	104576	PASS	
96	95	5	9	6.5	6770	PASS	
173	174	0	2	0.4	314	PASS	
174	95	50	120	71.7	74992	PASS	
175	174	4	9	5.3	4007	PASS	
176	174	93	101	97.2	72856	PASS	
177	176	5	9	7.0	5085	PASS	

Average of 6.456 to 6.463 min.: Q8368.D 1024BFBQ1

	10245	PLDQI					
Modified:su	btracted						
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1038	56.05	1653	74.05	18389	95.00	104576
37.05	5594	57.00	2789	75.00	56789	96.05	6770
38.05	5161	60.10	902	76.00	4989	140.90	1174
39.05	1832	61.00	4584	78.95	2513	142.95	1095
44.05	562	62.00	5118	80.90	2716	173.90	74992
45.05	847	63.05	3378	81.95	562	174.95	4007
47.00	1169	68.00	11089	86.95	4086	175.90	72856
48.05	730	69.00	11048	88.00	3740	176.95	5085
49.05	4523	70.05	889	92.00	3574		
50.10	22347	72.10	742	93.00	4386		
51.10	7128	73.05	4276	94.00	12040		

Vial: 1

Tune Evaluation

ASC - 5701 A5316580

Data File : C:\HPCHEM\1\DATA\102505\Q8407.D

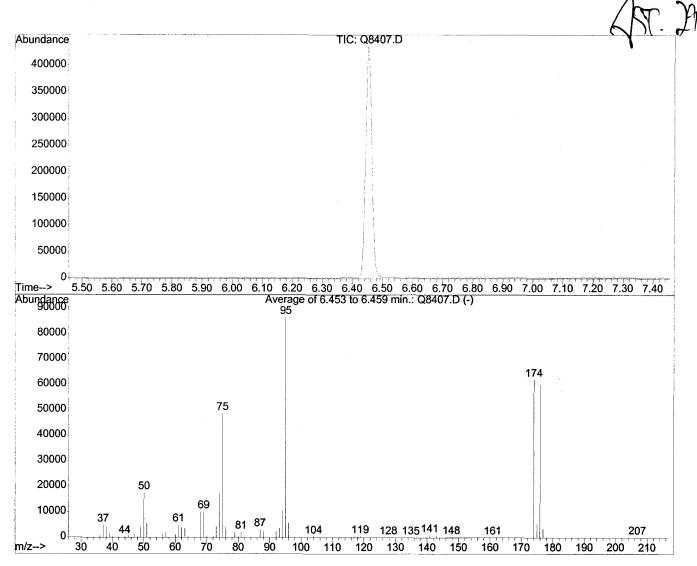
: 25 Oct 2005 18:31

Operator: CDC Sample : 1025BFBQ3 : HP5973 O Inst Multiplr: 1.00

Misc

MS Integration Params: rteint.p : C:\HPCHEM\1\METHODS\QOLM4\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS



Peak Apex is scan: 1049 (6.46 min)

-		TO DOGITE	.0.10	/				
7		_					29 (6.39 min)	
	Target	Rel. to	Lower	Upper	Rel.	Raw	Result	
	Mass	Mass	Limit,%	Limit,%	Abn,%	Abn	Pass/Fail	
-					. _			
	50	95	8	40	20.3	17597	PASS	
	75	95	30	66	56.3	48752	PASS	
	95	95	100	100	100.0	86536	PASS	
	96	95	5	9	6.8	5877	PASS	
	173	174	0	2	0.0	0	PASS	
	174	95	50	120	71.7	62069	PASS	
	175	174	4	9	8.8	5457	PASS	
	176	174	93	101	96.5	59875	PASS	
	177	176	5	9	5.9	3519	PASS	

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<i>2</i> 41	ノムソソ

Average of	6.453 to	6.459 min.:	Q8407.D				
	1025	BFBQ3					
Modified:su	ubtracted						
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	932	56.00	1411	74.00	17204	95.00	86536
37.05	4937	57.05	2082	75.00	48752	96.00	5877
38.05	4360	60.00	1030	76.00	4148	103.95	448
39.10	1772	61.05	4961	78.90	2054	116.85	560
43.95	445	62.00	4199	79.95	663	117.90	438
45.05	927	63.05	3664	80.90	2286	118.85	577
47.00	1291	68.00	10167	86.95	3223	140.90	1073
48.05	503	69.00	10196	87.95	2762	142.90	788
49.00	4129	70.00	684	92.00	2346	173.90	62069
50.05	17597	72.05	583	93.00	3734	174.95	5457
51.00	5694	73.00	4542	94.00	10618	175.90	59875
Average of	6.453 to	6.459 min.:	Q8407.D				
	1025	BFBQ3					
Modified:su	ubtracted						
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.90	3519						

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

VBLK92		
VBLK92		

Lab Name:	STL Buffa	alo	Contract:		
Lab Code:	RECNY	Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/wate	r) <u>WATER</u>		Lab Sample ID:	A5B1657702

Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$ Date Samp/Recv: _____ Level: (low/med) <u>LOW</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: <u>10/24/2005</u>

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: 1.00

Soil Aliquot Volume: ____ (uL) Soil Extract Volume: ____ (uL)

ביידואון זאבייהעמידואיםיאואבי

Lab File ID: Q8371.RR

		CONCENTRATION 1			
CAS NO.	COMPOUND	(ug/L or ug/K	g) <u>UG</u> /	<u>/L</u> Q	
74-87-3	-Chloromethane		10) U	7
	-Bromomethane		10		
75-01-4	-Vinyl chloride		10	ว ไซ	
	Chloroethane		10	ט ס	1
75-09-2	-Methylene chloride		10	ט ט	
67-64-1			10	ว บ	
75-15-0	-Carbon Disulfide		10	ว [บ	
75-35-4	-1,1-Dichloroethene		10	ว บ	
	-1,1-Dichloroethane		10	ט ל	ı
67-66-3	-Chloroform		10	ว บ	I
107-06-2	-1,2-Dichloroethane		10	ט ס	- 1
78-93-3	-2-Butanone		10	ט ט	
71-55-6	-1,1,1-Trichloroethane		10	ว ไบ	
	-Carbon Tetrachloride		10	ט ס	
75-27-4	-Bromodichloromethane		10	ว ไบ	
78-87-5	-1,2-Dichloropropane		10	ט ט	
	-cis-1,3-Dichloropropene		10	ว บ	
	-Trichloroethene		10	ว บ	J
124-48-1	-Dibromochloromethane		10	ט ע	-
79-00-5	-1,1,2-Trichloroethane		.10	ט ט	
71-43-2	-Benzene		10	ט ע	
10061-02-6	-trans-1,3-Dichloropropene		10) ไป	
75-25-2			10	บ	
108-10-1	-4-Methyl-2-pentanone		10	ט ט	
591-78-6			10	ט ע	
127-18-4	-Tetrachloroethene		10) ไป	- 1
108-88-3	-Toluene		10) บ	-
79-34-5	-1,1,2,2-Tetrachloroethane		10	ט ע	
	-Chlorobenzene		10	ט ט	
	-Ethylbenzene		10	ט ע	
100-42-5	-Styrene		10	ט ע	
	-Total Xylenes		10	ט ע	-
	-Dichlorodifluoromethane		10	ט ט	
75-69-4	-Trichlorofluoromethane		10	ט ט	

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

		VBLK9:	2	
Lab Name: STL Buffalo Contract:				
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B165	7702	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	Q8371.I	RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv			
% Moisture: not dec Heated Purge: ${ m N}$	Date Analyzed:	10/24/2	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor	r:1.0	<u>00</u>	
Soil Extract Volume: (uL)	Soil Aliquot V	olume:	(u	L)
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q	
541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene		10 10 10 10 10 10 10 10 10 10	ח ה ה ה ה ה ה ה ה ה	

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EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Namo	CTT Duffalo	Contract:				VBLK92			
LaD Name:	SIL BULLATO	Contract:							_
Lab Code:	<u>RECNY</u> Case No.	: SAS No.:	-	SDG No.: _					
Matrix: ((soil/water) <u>WATER</u>			Lab Sampl	le ID:	<u>A5B165</u>	7702		
Sample wt	:/vol: <u>5.00</u>	<u>)</u> (g/mL) <u>ML</u>		Lab File	ID:	<u>Q8371.</u> I	RR		
Level:	(low/med) <u>LOW</u>			Date Samp	p/Recv:				_
% Moistur	re: not dec	-		Date Anal	lyzed:	10/24/2	2005		
GC Column	n: <u>DB-624</u> ID	. <u>0.25</u> (mm)	Dilution Factor: 1.00						
Soil Extr	ract Volume:	(uL)		Soil Alio	quot Vo	lume:		(uL)	
Number Tl	Cs found: <u>0</u>		(CONCENTRATI (ug/L or 1			-		
	CAS NO.	Compound Name		RT	Est.	Conc.	Q		

Quantitation Report

Data File: C:\HPCHEM\1\DATA\102405\Q8371.D

: 24 Oct 2005

Vial: 4 Operator: JMB

Inst : HP5973 Q

Misc

Acq On

Sample

MS Integration Params: rteint.p

Quant Results File: A5I02197.RES

Multiplr: 1.00

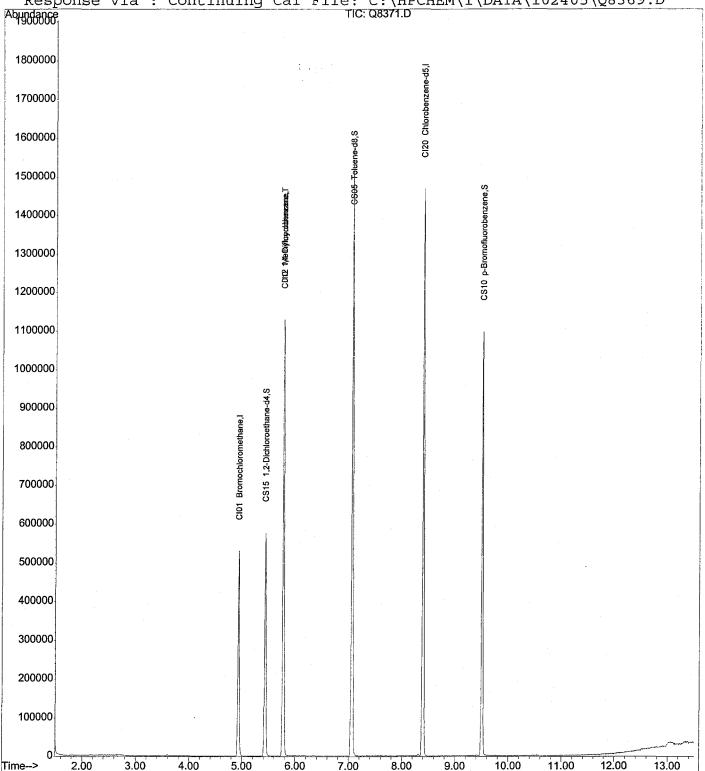
Quant Time: Oct 24 9:47 2005

: VBLK92

: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Method Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 09:46:42 2005 Response via: Continuing Cal File: C:\HPCHEM\1\DATA\102405\Q8369.D



Vial: 4

Data File: C:\HPCHEM\1\DATA\102405\Q8371.D

Acq On : 24 Oct 2005 9:31

Operator: JMB Sample : VBLK92 Inst: HP5973 Q

Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 24 9:47 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 09:46:42 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102405\Q8369.D (24 Oct 2005 8:28)

Internal Standards		QIon	. —	Conc Un	its Dev(Min) Rcv(Ar)
1) CI01 Bromochloromethane				250.00	ng 0.00 95.30%
22) CI10 1,4-Difluorobenzene	5.77	114	816884	250.00	ng 0.00
36) CI20 Chlorobenzene-d5	8.39	117	758297	250.00	96.42% ng 0.00 96.64%
System Monitoring Compounds 19) CS15 1,2-Dichloroethane-d Spiked Amount 250.000 Rang 42) CS05 Toluene-d8	re 76	- 114	Recove	ry =	101.81%
Spiked Amount 250.000 Rang 48) CS10 p-Bromofluorobenzene Spiked Amount 250.000 Rang	e 88 9.51	- 110 95	Recove 385064	ry = 230.48 1	97.44%
Target Compounds					Qvalue
2) C290 Dichlorodifluorometh3) C010 Chloromethane4) C015 Bromomethane	2.32	94	132 0	N.D.	
5) C020 Vinyl Chloride 6) C025 Chloroethane	0.00	62 64	0 0	N.D.	-
7) C030 Methylene Chloride 8) C035 Acetone	0.00	43	974 0	N.D.	
9) C040 Carbon Disulfide 10) C275 Trichlorofluorometha		76 101	0 0	N.D. N.D.	
11) C045 1,1-Dichloroethene 12) C291 1,1,2-Trichloro-1,2,	0.00	96 101	.0 0	N.D. N.D.	
13) C962 T-butyl methyl ether 14) C050 1,1-Dichloroethane	0.00	73 63	0	N.D. N.D.	
15) C255 Methyl Acetate 16) C057 trans-1,2-dichloroet	0.00	43 96	0 0	N.D. N.D.	
17) C056 cis-1,2-Dichloroethe 18) C060 Chloroform		96 83	0	N.D. N.D.	, l
20) C065 1,2-Dichloroethane 21) C110 2-Butanone	0.00		0	N.D.	DV2/05
23) C256 Cyclohexane 24) C012 Methylcyclohexane	0.00	56 	0 11650	N.D. 6.40 r	10/31/
25) C115 1,1,1-Trichloroethan 26) C120 Carbon Tetrachloride	0.00	97 117	0	N.D. N.D.	29
(1)					

Vial: 4

Data File : C:\HPCHEM\1\DATA\102405\Q8371.D

Acq On : 24 Oct 2005 9:31 Operator: JMB

Sample : VBLK92 Inst: HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: A5I02197.RES Quant Time: Oct 24 9:47 2005

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

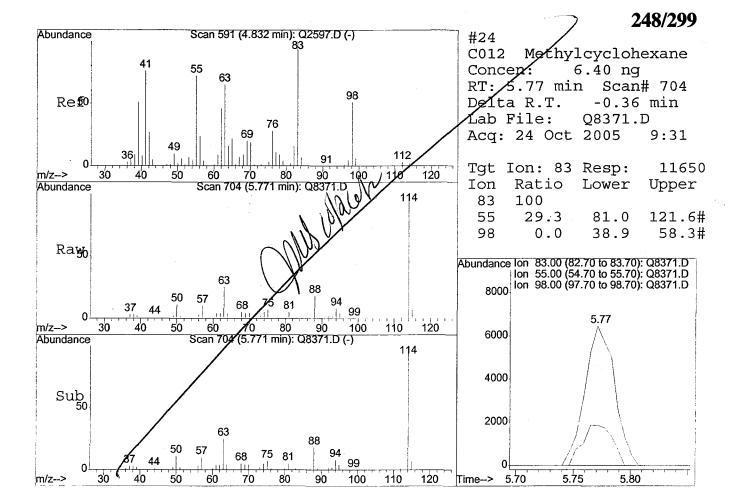
Last Update : Mon Oct 24 09:46:42 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth: VOA

Con	mpound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C13	30 Bromodichloromethane	7.07	83	1077	N.D.	
28) C14	10 1,2-Dichloropropane	0.00	63	0	N.D.	
29) C14		0.00	75	0	N.D.	
30) C15	50 Trichloroethene	6.00	130	305	N.D.	
31) C16	55 Benzene	5.46	78	668	N.D.	
32) C15	55 Dibromochloromethane	7.61	129	147	N.D.	
33) C17	70 trans-1,3-Dichloropr	0.00	75	0	N.D.	
34) C16	50 1,1,2-Trichloroethan	0.00	97	0	N.D.	
35) C18	30 Bromoform	9.49	173	215	N.D.	
37) C16		0.00	107	0	N.D.	
38) C21	10 4-Methyl-2-Pentanone	7.06	43	5325	N.D.	•
39) C21		0.00	43	0	N.D.	
40) C22		0.00	164	0	N.D.	
41) C22		7.07	83	1077	N.D.	
43) C23		7.12	91	1664	N.D.	
44) C23		8.42	112	1371	N.D.	
45) C24	-	0.00	106	0	N.D.	
46) C24	· •• ••	0.00	106	0	N.D.	
47) C24	-	9.51	106	1396	N.D.	
49) C24		9.51	104	1499	N.D.	
50) C96	1 14	9.32	105	139	N.D.	
51) C26		10.56	146	431	N.D.	
52) C26	•	10.56	146	431	N.D.	
53) C24	•	10.56	146	431	N.D.	
54) C28		0.00	75	0	N.D.	
55) C31	.3 1,2,4-Trichlorobenze	12.12	180	195	N.D.	





9:31

Tentatively Identified Compound (LSC) summary

Operator ID: JMB Date Acquired: 24 Oct 2005 9:31

Data File: C:\HPCHEM\1\DATA\102405\Q8371.D

Name: VBLK92

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title: CLPOLM04.2 WATERS

Library Searched: C:\DATABASE\NIST98.L

TIC Top	Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Q8371.D	A5I02197.M	1	Wed Oct 2	6 11:54	4:37 2	005	HP5973-	-Q	

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

1	
	VBLK94
	1

Lab Name:	STL Buffalo	Contract:
-----------	-------------	-----------

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B1658002

Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$ Lab File ID: Q8414.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: _____

% Moisture: not dec. ____ Heated Purge: NDate Analyzed: <u>10/26/2005</u>

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: ____1.00

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

		CONCENTRATION (INITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg	g) <u>UG/L</u>	Q
	Chloromethane		10	ט
	Bromomethane		10	ע
75-01-4	Vinyl chloride		10	U
	Chloroethane		10	ע
75-09-2	Methylene chloride		10	ש
67-64-1			10	U
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	ע
75-34-3	1,1-Dichloroethane		10	ע
67-66-3			10	U
107-06-2	1,2-Dichloroethane		10	ע
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	ע
10061-01-5	cis-1,3-Dichloropropene		10	U
	Trichloroethene		10	U
124-48-1	Dibromochloromethane		10	U
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
75-25-2			10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6			10	U
127-18-4	Tetrachloroethene		10	U
108-88-3	Toluene		10	ן ט
79-34-5	1,1,2,2-Tetrachloroethane		10	U
	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
	Total Xylenes		10	ט
	Dichlorodifluoromethane		10	ט
75-69-4	Trichlorofluoromethane		10	ט
l	· · · · · · · · · · · · · · · · · · ·			

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

		VBLK94	
Lab Name: STL Buffalo Contract:	· · · · · · · · · · · · · · · · · · ·		-
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	-	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B1658002	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	<u>Q8414.RR</u>	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:		_
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/26/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	.ume: (uL)	
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg)		
1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,2-Dichlorobenzene		10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U	

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EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	: STL Buffalo	Contract:				VBLK94		
		.: SAS No.:		SDG No.: _	<u></u>			
Matrix: ((soil/water) <u>WATER</u>			Lab Sampl	le ID:	A5B1658	<u>8002</u>	
Sample wt	z/vol:5.00) (g/mL) <u>ML</u>		Lab File	ID:	Q8414.F	R.	
Level:	(low/med) <u>LOW</u>			Date Samp	p/Recv:			
% Moistur	ce: not dec	-		Date Anal	lyzed:	10/26/2	<u>2005</u>	
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)		Dilution	Factor:	1.0	<u>)0</u>	
Soil Extr	ract Volume:	(uL)		Soil Alio	quot Vol	ume:		(uL)
Number TI	Cs found: _0		C	CONCENTRATI (ug/L or 1			-	
	CAS NO.	Compound Name		RT	Est.	Conc.	Q	

Vial: 8

Quantitation Report

Data File : C:\HPCHEM\1\DATA\102505\Q8414.D

Acq On

: 26 Oct 2005 00:31 Operator: CDC : VBLK94 Inst

Sample : HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p

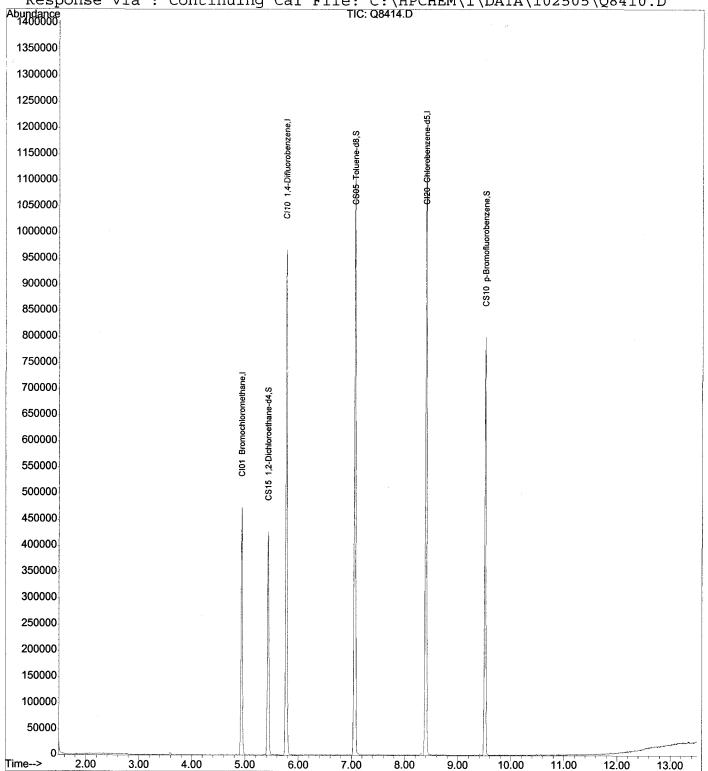
Quant Time: Oct 26 0:45 2005 Quant Results File: A5I02220.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5102220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:29:02 2005

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102505\Q8410.D



Clean Mus 10/20ch

Data File : C:\HPCHEM\1\DATA\102505\Q8414.D Vial: 8 Acq On : 26 Oct 2005 00:31 Operator: CDC

Sample : VBLK94 Inst: HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p Quant Time: Oct 26 0:45 2005

Quant Results File: A5I02220.RES

STL Buffalo

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)
DataAcq Meth : VOA

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal Standards	R.T.	QIon	Response	Conc Unit	s Dev(Min) Rcv(Ar)
1) CI01 Bromochloromethane	4.94	128	106131	250.00 ng	0.00
22) CI10 1,4-Difluorobenzene	5.77	114	671080	250.00 ng	
36) CI20 Chlorobenzene-d5	8.39	117	584795	250.00 ng	
System Monitoring Compounds					
19) CS15 1,2-Dichloroethane-d					
Spiked Amount 250.000 Rang	ge 76	- 114	Recove	ry = 10	4.46%
42) CS05 Toluene-d8	7.06	98	702329	247.95 ng	0.00
Spiked Amount 250.000 Rand 48) CS10 p-Bromofluorobenzene	je 88	- 110	Recove	ry = 9	9.18%
Spiked Amount 250.000 Rang	9.51	95 11F	2/3320	237.41 ng	0.00
Spiked Amount 250.000 Rang	je ob	- 115	Recove	ry = 3	4.906
Target Compounds					Qvalue
2) C290 Dichlorodifluorometh	0.00	85	0	N.D.	Qvarac
				N.D.	
3) C010 Chloromethane4) C015 Bromomethane	0.00	94	0	N.D.	
5) C020 Vinyl Chloride 6) C025 Chloroethane 7) C030 Methylene Chloride	0.00	62	0	N.D.	
6) C025 Chloroethane	0.00	64	0	N.D.	
7) C030 Methylene Chloride	3.59	84	2316	N.D.	
8) C035 Acetone	3.20	43	134	N.D.	
9) C040 Carbon Disulfide	3.34	76	814	N.D.	
10) C275 Trichlorofluorometha	0.00	101	0	N.D.	
11) C045 1,1-Dichloroethene	0.00	96	0	N.D.	
12) C291 1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
13) C962 T-butyl methyl ether	0.00	73	0	N.D.	
14) C050 1,1-Dichloroethane		63	0	N.D.	
15) C255 Methyl Acetate	3.20	43	134	N.D.	
16) C057 trans-1,2-dichloroet	0.00	96	0	N.D.	
17) C056 cis-1,2-Dichloroethe	0.00	96	0	N.D.	
18) C060 Chloroform	0.00	83	0	N.D.	
20) C065 1,2-Dichloroethane	0.00	62	0	N.D.	
21) C110 2-Butanone	0.00	43	0	N.D.	
23) C256 Cyclohexane	0.00	56	0	N.D.	, yx
24) C012 Methylcyclohexane	6.14	83	388	N.D.	2 102
25) C115 1,1,1-Trichloroethan	0.00	97	0	N.D.	12/3/1
26) C120 Carbon Tetrachloride	0.00	117	0	N.D.	10/2 ,
(#) = qualifier out of range (m)	= manı	 ual int	tegration		

Data File : C:\HPCHEM\1\DATA\102505\Q8414.D

Acq On : 26 Oct 2005 00:31

Operator: CDC Sample : VBLK94 Inst: HP5973 Q

Misc

Multiplr: 1.00

Vial: 8

MS Integration Params: rteint.p

Quant Time: Oct 26 0:45 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:29:02 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth: VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	Qvalue
27)	C130	Bromodichloromethane	6.14	83	388	N.D.	
28)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
29)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
30)	C150	Trichloroethene	0.00	130	0	N.D.	
31)	C165		5.46	78	668	N.D.	
32)	C155	Dibromochloromethane	0.00	129	0	N.D.	
33)		·	0.00	75	0	N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	97	0	N.D.	
35)	C180	Bromoform	0.00	173	0	N.D.	
37)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
38)	C210	4-Methyl-2-Pentanone	7.06	43	3709	N.D.	
39)	C215	2-Hexanone	0.00	43	0	N.D.	
40)	C220	Tetrachloroethene	7.61	164	138	N.D.	
41)			7.05	83	487	N.D.	
43)	C230	Toluene	7.12	91	1299	N.D.	
44)	C235	Chlorobenzene	8.42	112	1291	N.D.	
45)	C240	Ethylbenzene	8.60	106	592	N.D.	
46)	C246	m,p-Xylene	8.60	106	592	N.D.	
47)	C247	o-Xylene	8.60	106	592	N.D.	
	C245	Styrene	9.51	104	1350	N.D.	
	C966			105	612	N.D.	
51)	C260	1,3-Dichlorobenzene		146	563	N.D.	
52)		1,4-Dichlorobenzene	10.56	146	379	N.D.	
53)	C249	1,2-Dichlorobenzene	10.56	146	379	N.D.	
54)	C286	•	0.00	75	0	N.D.	
55)	C313	1,2,4-Trichlorobenze	12.12	180	151	N.D.	



Tentatively Identified Compound (LSC) summary

Operator ID: CDC Date Acquired: 26 Oct 2005 00:31

Data File: C:\HPCHEM\1\DATA\102505\Q8414.D

Name: VBLK94

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5102220.M (RTE Integrator)

Title: CLPOLM04.2 WATERS

Library Searched: C:\DATABASE\NIST98.L

TIC Top	Hit name 						IntStd			
	A5I02220.M									
Q0414.D	A5102220.M	we	d Oct	20	15:30):51	2005	HP5973-	-Q	

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Tale Manage CHT D. CC-1-		VHB
Lab Name: <u>STL Buffalo</u>	Contract:	

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64913

Sample wt/vol: $\underline{5.00}$ (g/mL) \underline{ML} Lab File ID: <u>Q8372.RR</u>

Date Samp/Recv: <u>10/17/2005</u> <u>10/17/2005</u> Level: (low/med) <u>LOW</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/24/2005

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: 1.00

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: _____ (uL)

		CONCENTRATION U	INITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg	g) <u>UG/L</u>	Q
	Chloromethane		10	U
	Bromomethane		10	ע
75-01-4	Vinyl chloride		10	ע
	Chloroethane		10	ע
75-09-2	Methylene chloride		10	ע
67-64-1			10	ט
75-15-0	Carbon Disulfide		10	ע
75-35-4	1,1-Dichloroethene		10	ט
75-34-3	1,1-Dichloroethane		10	ע
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	ប
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	ט
56-23-5	Carbon Tetrachloride		10	ע
75-27-4	Bromodichloromethane		10	ע
78-87-5	1,2-Dichloropropane		10	ប
	cis-1,3-Dichloropropene		10	ט
	Trichloroethene		10	ט
124-48-1	Dibromochloromethane		10	ט
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2			10	U
10061-02-6	trans-1,3-Dichloropropene		10	ן ט
75-25-2			10	ט
108-10-1	4-Methyl-2-pentanone		10	ן ט
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
108-88-3			10	υ
79-34-5	1,1,2,2-Tetrachloroethane	***************************************	10	ט
	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5			10	Ū
	Total Xylenes		10	lu l
	Dichlorodifluoromethane		10	Ū
	Trichlorofluoromethane		10	Ū
				1 1

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Joh Nome, CTI Duffele Contract		VHB		
Lab Name: STL Buffalo Contract:	· ·			
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B649	13	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	<u>Q8372.</u>	RR	_
Level: (low/med) <u>LOW</u>	Date Samp/Recv	7: <u>10/17/</u>	2005 10	/17/2005
% Moisture: not dec Heated Purge: ${ t N}$	Date Analyzed:	10/24/	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Facto	or: <u>1.</u>	00	
Soil Extract Volume: (uL)	Soil Aliquot V	Volume: _		(uL)
CAS NO. COMPOUND	CONCENTRATION UNIT		Q	
				_
76-13-11,1,2-Trichloro-1,2,2-trifluo	oroethane	10	U	
156-60-5trans-1,2-Dichloroethene		10	U	
1634-04-4Methyl-t-Butyl Ether (MTBE)_		10	ש	
156-59-2cis-1,2-Dichloroethene		10	U	
110-82-7Cvclohexane		10	U	
108-87-2Methylcyclohexane	i	10	U	
106-93-41,2-Dibromoethane	<u></u>	10	U	
198-82-8Isopropylbenzene		10	Ū	
541-73-11,3-Dichlorobenzene		10	U	
106-46-71,4-Dichlorobenzene		10	U	
95-50-11,2-Dichlorobenzene		10	U	
96-12-81,2-Dibromo-3-chloropropane			l	
1/2 DIDIGIO 3 GINGTOPTOPORE		10	Ü	ŀ
120-82-11,2,4-Trichlorobenzene		10 10 10	U U	

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EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

- 1		_				VHB	
Lab Name: <u>STL</u>	Buffalo	Cor	ntract:	-			
Lab Code: REC	<u>NY</u> Case No	· :	SAS No.:	SDG No.: _			
Matrix: (soil	/water) <u>WATER</u>			Lab Sampl	le ID:	A5B64913	_
Sample wt/vol	: 5.0	0 (g/mL) <u>M</u> I	ī	Lab File	ID:	Q8372.RR	
Level: (low	r/med) <u>LOW</u>			Date Samp	p/Recv:	10/17/2009	5 10/17/2005
% Moisture: n	ot dec.	<u>.</u>		Date Anal	lyzed:	10/24/2009	2
GC Column: DB	8-624 ID	: <u>0.25</u> (mm)		Dilution	Factor	:1.00	
Soil Extract	Volume:	(uL)		Soil Aliq	quot Vo	lume:	(uL)
Number TICs f	ound: <u>1</u>			CONCENTRATI			
	CAC NO	Co	amaII barraama	DO	Trot	Cong	$\overline{}$

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 420-56-4	FLUOROTRIMETHYLSILANE	2.07	5	JN

Quantitation Report

Data File: C:\HPCHEM\1\DATA\102405\Q8372.D

: 24 Oct 2005 Acq On 10:03

Sample : A5B64913

Misc

Quant Time: Oct 24 23:05 2005

Inst : HP5973 Q Multiplr: 1.00

Vial: 5

Operator: JMB

MS Integration Params: rteint.p

Quant Results File: A5I02197.RES

Method

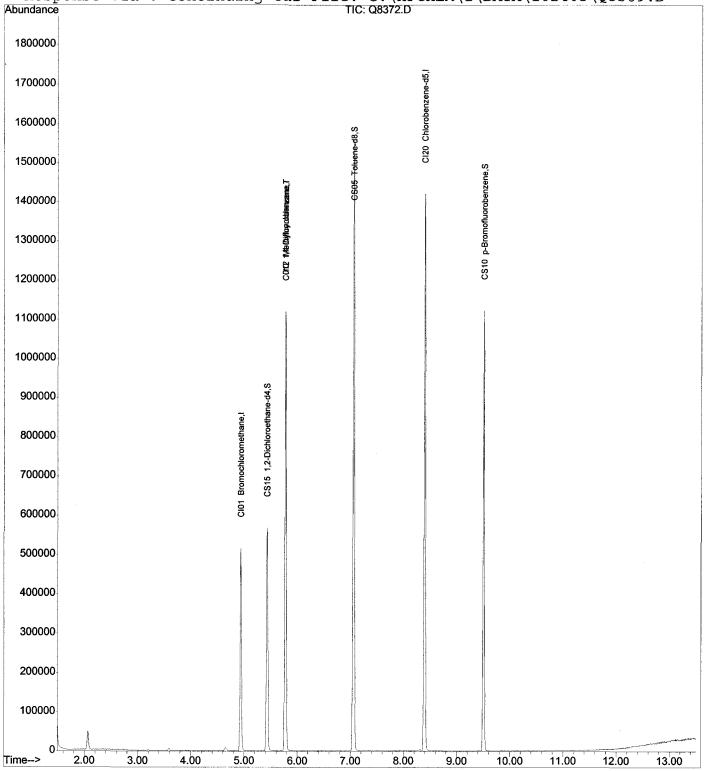
: C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title

: CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102405\Q8369.D



STL Buffalo

Vial: 5

Multiplr: 1.00

Data File: C:\HPCHEM\1\DATA\102405\Q8372.D

: 24 Oct 2005 10:03 Acq On

Operator: JMB Sample : A5B64913 Inst: HP5973 Q

Misc

MS Integration Params: rteint.p Quant Time: Oct 24 23:05 2005 Quant Results File: A5I02197.RES

Quant Method: C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 23:05:09 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005

DataAcq Meth: VOA

IS QA File : C:\HPCHEM\1\DATA\102405\Q8369.D (24 Oct 2005 8:28)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI01 Bromochloromethane	4.94	128	118780	250.00 ng	0.00
00) 0710 1 1 7 5					93.27%
22) CI10 1,4-Difluorobenzene	5.77	114	804101	250.00 ng	
26) 0700 013 1					94.91%
36) CI20 Chlorobenzene-d5	8.39	117	735567	250.00 ng	
					93.75%
System Monitoring Compounds					
19) CS15 1,2-Dichloroethane-d	5 43	65	409511	259.36 ng	0.00
Spiked Amount 250.000 Rang					.74%
42) CS05 Toluene-d8	7 06	98	1009074	248 91 na	
Spiked Amount 250.000 Rang 48) CS10 p-Bromofluorobenzene	20. v	- 110	Recove	xy = 99	56%
48) CS10 p-Bromofluorobenzene	9 51	95	377245	232 78 ng	0.00
Spiked Amount 250.000 Rand	re 86	- 115	Recove	erv = 93	.11%
apartou ilinouito abolioto itali	,	113	100000	- JJ	• * * 0
Target Compounds					Qvalue
2) C290 Dichlorodifluorometh	0.00	85	0	N.D.	~
3) C010 Chloromethane	2.07		353	N.D.	
4) C015 Bromomethane 5) C020 Vinyl Chloride 6) C025 Chloroethane	1.81		130	N.D.	
5) C020 Vinyl Chloride	2.06		1229	N.D.	
6) C025 Chloroethane	0.00		0	N.D.	
7) C030 Methylene Chloride			3373	N.D.	
8) C035 Acetone	3.20		3326	N.D.	
9) C040 Carbon Disulfide		76	0	N.D.	
10) C275 Trichlorofluorometha	0.00	101	0	N.D.	
11) C045 1,1-Dichloroethene	0.00	96	0	N.D.	
12) C291 1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
13) C962 T-butyl methyl ether	0.00	73	0	N.D.	
14) C050 1,1-Dichloroethane	0.00	63	0	N.D.	
15) C255 Methyl Acetate	3.20	43	3326	N.D.	
16) C057 trans-1,2-dichloroet	0.00	96	0	N.D.	
17) C056 cis-1,2-Dichloroethe	4.94	96	141	N.D.	
18) C060 Chloroform	0.00	83	0	N.D.	A
20) C065 1,2-Dichloroethane	0.00	62	0	N.D.	NO 16
21) C110 2-Butanone	4.66	43	141	N.D.	My 10/31/05
23) C256 Cyclohexane	0.00	56	0	N.D.	10/3'
24) C012 Methylcyclohexane	5.77	83	11739	6.55 ng	# 27
25) C115 1,1,1-Trichloroethan	0.00	97	0	N.D.	
26) C120 Carbon Tetrachloride	0.00	117	0	N.D.	
<pre>(#) = qualifier out of range (m)</pre>	 = manı	al int	 tegration		

Vial: 5

Multiplr: 1.00

Data File : C:\HPCHEM\1\DATA\102405\Q8372.D

Acq On : 24 Oct 2005 10:03

Operator: JMB : A5B64913 Sample Inst : HP5973 Q

Misc

MS Integration Params: rteint.p Quant Time: Oct 24 23:05 2005 Quant Results File: A5I02197.RES

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

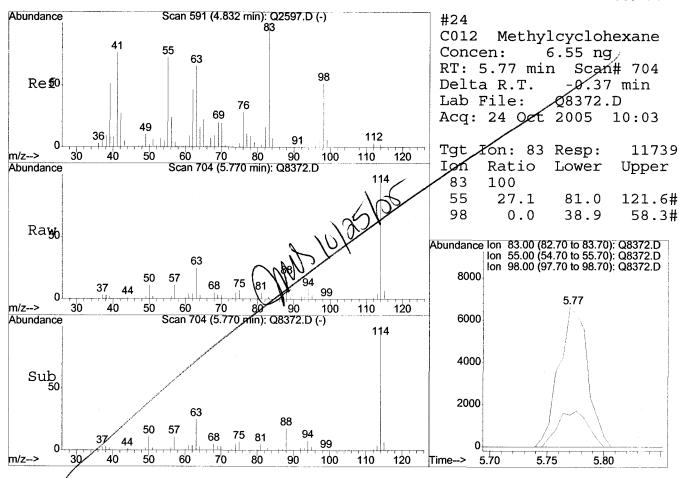
Last Update : Mon Oct 24 23:05:09 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth : VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	Qvalue
27)	C130	Bromodichloromethane	7.07	83	965	N.D.	
28)			0.00	63	0	N.D.	
-	C145	cis-1,3-Dichloroprop		75	150	N.D.	
30)	C150	Trichloroethene	0.00	130	0	N.D.	
31)			5.46	78	181	N.D.	
	C155	Dibromochloromethane	0.00	129	0	N.D.	
33)		trans-1,3-Dichloropr		75	150	N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	97	0	N.D.	
35)	C180		0.00	173	0	N.D.	
37)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
	C210	4-Methyl-2-Pentanone	7.05	43	5409	N.D.	
39)	C215	2-Hexanone		43	0	N.D.	
40)		Tetrachloroethene	7.61	164	310	N.D.	
41)		1,1,2,2-Tetrachloroe	7.07	83	965	N.D.	
43)	C230		7.11	91	693	N.D.	
44)	C235	Chlorobenzene	8.42	112	305	N.D.	
45)		Ethylbenzene	0.00	106	0	N.D.	
46)	C246	m,p-Xylene	0.00	106	0	N.D.	
47)		o-Xylene	9.51	106	1576	N.D.	
49)			9.51	104	1866	N.D.	
50)	C966	± ± ±		105	154	N.D.	
51)		1,3-Dichlorobenzene	0.00	146	0	N.D.	
52)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
	C249				0	N.D.	
		1,2-Dibromo-3-chloro	0.00	75	0	N.D.	
55)	C313	1,2,4-Trichlorobenze	12.11	180	135	N.D.	





Vial: 5

Multiplr: 1.00

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\102405\Q8372.D

: 24 Oct 2005 10:03

Operator: JMB : A5B64913 Sample Inst: HP5973 Q

Misc

MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS Library : C:\DATABASE\NIST98.L

Peak Number 1 Silane, fluorotrimethyl-

Concentration Rank 1

R.T.	EstConc	Area	Relati	ve to ISTD	IS Area	R.T.
2.07	25.28 ng	94157	CI01	Bromochloro	931103	4.94

Hit# of 5 Tentative ID	MW	MolFor	m CAS#	Qual
<pre>1 Silane, fluorotrimethyl- 2 Trimethylphosphine oxide 3 3,5-Hexadiyn-2-one 4 2-Propanone, 1,1,3-trichloro- Abundance</pre>	92 92 92 160	C3H9FSi C3H9OP C6H4O C3H3Cl3	000420-56- 000676-96- 031097-80- 000921-03- m/z 77.00 100.0	0 9 0 9 9 4
5000 47 36 42 63	77	92	1.80 2.00 2.20 2.40	
m/z> 0 10 20 30 40 50 60 Abundance #29427: Silane, fluorotrimethyl	70 80	90 100	m/z 47.00 18.3	0%
5000			1.80 2.00 2.20 2.40 m/z 49.00 12.50	5%
m/z> 0 10 20 30 40 50 60 Abundance #29603: Trimethylphosphine oxid	72 70 80 de 77	92 90 100		
5000		92	1.80 2.00 2.20 2.40 m/z 78.00 9.36	5%
27 33 39 44 57 62 60 m/z> 0 10 20 30 40 50 60 Abundance #29410: 3,5-Hexadiyn-2-one	68 70 80 77	90 100	1.80 2.00 2.20 2.40 m/z 63.00 5.64	<u> </u>
5000 43 49 64 15		92		
m/z> 0 10 20 30 40 50 60	70 80	90 100	1.80 2.00 2.20 2.40	-

Tentatively Identified Compound (LSC) summary

Date Acquired: 24 Oct 2005 10:03 Operator ID: JMB

Data File: C:\HPCHEM\1\DATA\102405\Q8372.D

Name: A5B64913

Misc:

Method: C:\HPCHEM\1\METHODS\QOLM4\A5102197.M (RTE Integrator)

Title: CLPOLM04.2 WATERS
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name				Std ISRT	ISArea ISConc
Silane, fluorotrimet				TD01 4.94	931103 250.0
Q8372.D A5I02197.M	We	ed Oct 26 11:5	54:40 2005	HP5973-	-0

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo	Contract:		MSB92
Name. SID Burrato	COILCIACC:	·	
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:	-
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID:	A5B1657701
Sample wt/vol: $\underline{5.00}$ (g/mL)	<u>ML</u>	Lab File ID:	<u>Q8370.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	
Moisture: not dec Heate	ed Purge: <u>N</u>	Date Analyzed:	10/24/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	.ume: (uL)

CONCENTRATION UNITS: CAS NO. COMPOUND UG/L Q (ug/L or ug/Kg) 74-87-3-----Chloromethane U 10 74-83-9----Bromomethane U 10 75-01-4-----Vinyl chloride U 10 75-00-3-----Chloroethane U 10 75-09-2-----Methylene chloride U 10 67-64-1-----Acetone U 10 75-15-0-----Carbon Disulfide 10 U 75-35-4----1,1-Dichloroethene 54 75-34-3-----1,1-Dichloroethane U 10 67-66-3-----Chloroform U 10 107-06-2----1,2-Dichloroethane U 10 78-93-3----2-Butanone U 10 71-55-6----1,1,1-Trichloroethane 10 U 56-23-5-----Carbon Tetrachloride 10 U 75-27-4----Bromodichloromethane 10 U 78-87-5----1,2-Dichloropropane U 10 10061-01-5---cis-1,3-Dichloropropene U 10 79-01-6----Trichloroethene 50 124-48-1----Dibromochloromethane 10 U 79-00-5----1,1,2-Trichloroethane U 10 71-43-2----Benzene 51 10061-02-6---trans-1,3-Dichloropropene U 10 75-25-2----Bromoform 10 U 108-10-1----4-Methyl-2-pentanone U 10 591-78-6----2-Hexanone U 10 127-18-4----Tetrachloroethene U 10 108-88-3----Toluene 51 79-34-5----1,1,2,2-Tetrachloroethane 10 U 108-90-7----Chlorobenzene 50 100-41-4----Ethylbenzene U 10 100-42-5----Styrene 10 U 1330-20-7----Total Xylenes U 10 75-71-8-----Dichlorodifluoromethane 10 U 75-69-4-----Trichlorofluoromethane U 10

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

MSB: ple ID: A5B1 e ID: Q8376 mp/Recv:	657701 0.RR	
ple ID: <u>A5B1</u> e ID: <u>Q837</u> mp/Recv:	O.RR	
ple ID: <u>A5B1</u> e ID: <u>Q837</u> mp/Recv:	O.RR	
e ID: <u>0837</u> 6	O.RR	
mp/Recv:		
-	· · · · · · · · · · · · · · · · · · ·	
10/2		
$a_1\lambda_{5a}$	<u>4/2005</u>	
n Factor:	1.00	
iquot Volume:	(uL))
	_ Q	
10 10 10 10 10 10 10 10 10 10	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	
	on Factor: iquot Volume:	10 U U 10 U 10 U 10 U 10 U 10 U 10 U 10

Quantitation Report

Data File: C:\HPCHEM\1\DATA\102405\Q8370.D

Vial: 3 : 24 Oct 2005 Operator: JMB Acq On

Sample Inst : MSB : HP5973 Q

Misc Multiplr: 1.00

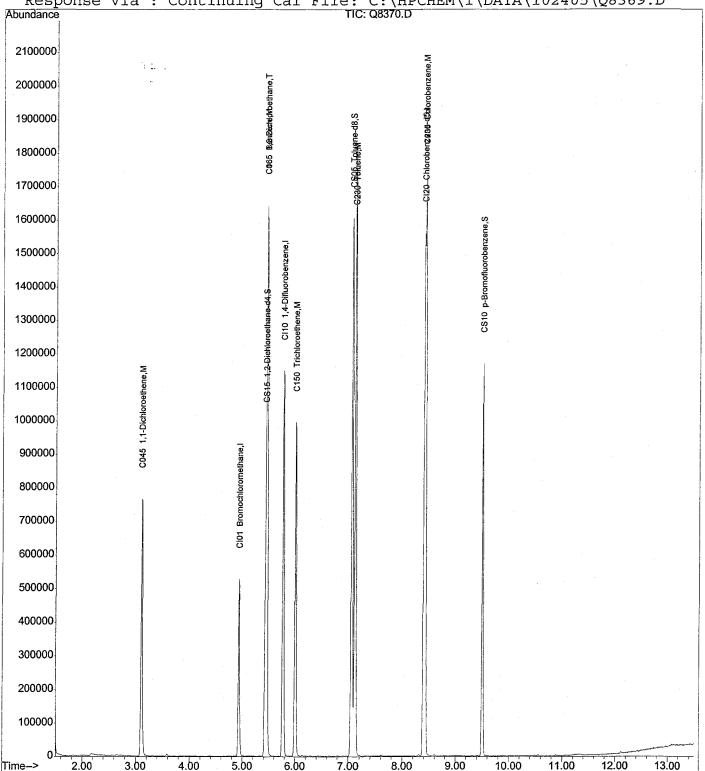
MS Integration Params: rteint.p

Quant Results File: A5I02197.RES Quant Time: Oct 24 9:46 2005

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Mon Oct 24 09:46:42 2005 Response via: Continuing Cal File: C:\HPCHEM\1\DATA\102405\Q8369.D



Data File: C:\HPCHEM\1\DATA\102405\Q8370.D

Vial: 3 Acq On : 24 Oct 2005 9:03 Operator: JMB

: MSB Inst: HP5973 Q Sample Multiplr: 1.00

Misc MS Integration Params: rteint.p

Quant Time: Oct 24 9:46 2005 Quant Results File: A5I02197.RES

Quant Method: C:\HPCHEM\1...\A5102197.M (RTE Integrator)
Title: CLPOLM04.2 WATERS

Last Update : Mon Oct 24 09:46:42 2005

Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

DataAcq Meth: VOA

IS QA File : C:\HPCHEM\1\DATA\102405\Q8369.D (24 Oct 2005 8:28)

Internal Standards	R.T.	QIon	Response	Conc Ur		(Min) (Ar)
1) CI01 Bromochloromethane	4.94	128	123745	250.00	_	0.00 7.16%
22) CI10 1,4-Difluorobenzene	5.77	114	844018	250.00	ng	0.00 9.63%
36) CI20 Chlorobenzene-d5	8.39	117	768266	250.00	ng	0.00 7.91%
System Monitoring Compounds						
19) CS15 1,2-Dichloroethane-d			421233		_	0.00
Spiked Amount 250.000 Rang 42) CS05 Toluene-d8	7.06	- 114 98		ry = 243.87	102.43%	0.00
Spiked Amount 250.000 Rang			Recove		97.55%	0.00
	9.51			233.08		0.00
Spiked Amount 250.000 Rang	e 86	- 115		ry =	93.23%	
Target Compounds					Ova	alue
2) C290 Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010 Chloromethane	1.86	50	138	N.D.	•	
4) C015 Bromomethane	2.26		170	N.D.		
5) C020 Vinyl Chloride	0.00	62	0	N.D.		
6) C025 Chloroethane	0.00	64	0	N.D.		
7) C030 Methylene Chloride	3.59		2587	N.D.		
8) C035 Acetone	3.19		258	N.D.		
9) C040 Carbon Disulfide	3.33	76	1312	N.D.		
10) C275 Trichlorofluorometha (11) C045 1,1-Dichloroethene	0.00 3.11	101	0 277768	N.D. 270.30		91
(11) C045 1,1-Dichloroethene 12) C291 1,1,2-Trichloro-1,2,	3.11	96 101	135	N.D.	_	91
13) C962 T-butyl methyl ether	0.00	73	0	N.D.		
14) C050 1,1-Dichloroethane	4.72	63	146	N.D.		
15) C255 Methyl Acetate	3.21	43	310	N.D.		
16) C057 trans-1,2-dichloroet	3.82	96	133	N.D.		
17) C056 cis-1,2-Dichloroethe	4.94	96	130	N.D.		
18) C060 Chloroform	0.00	83	0	N.D.		
20) C065 1,2 Dichloroethane	5.46	62	13665	6.05	ng	98
21) C110 2-Butanone	4.74	43	998	N.D.		
23) C256 Cyclohexane	5.16	56	309	N.D.		
24) C012 Methylcyclohexane	6.14	83	1008	N.D.	N I	گاریم
25) C115 1,1,1-Trichloroethan	0.00	97 117	0	N.D.	/r/1	12/10
26) C120 Carbon Tetrachloride	0.00	117	0 	N.D.		n/2. /
/!!\ 7'5' \ 6 /\						

Data File: C:\HPCHEM\1\DATA\102405\Q8370.D Vial: 3 Acq On : 24 Oct 2005 9:03 Operator: JMB

: MSB Sample Inst: HP5973 Q

Misc Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: A5I02197.RES Quant Time: Oct 24 9:46 2005

Quant Method : C:\HPCHEM\1...\A5I02197.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

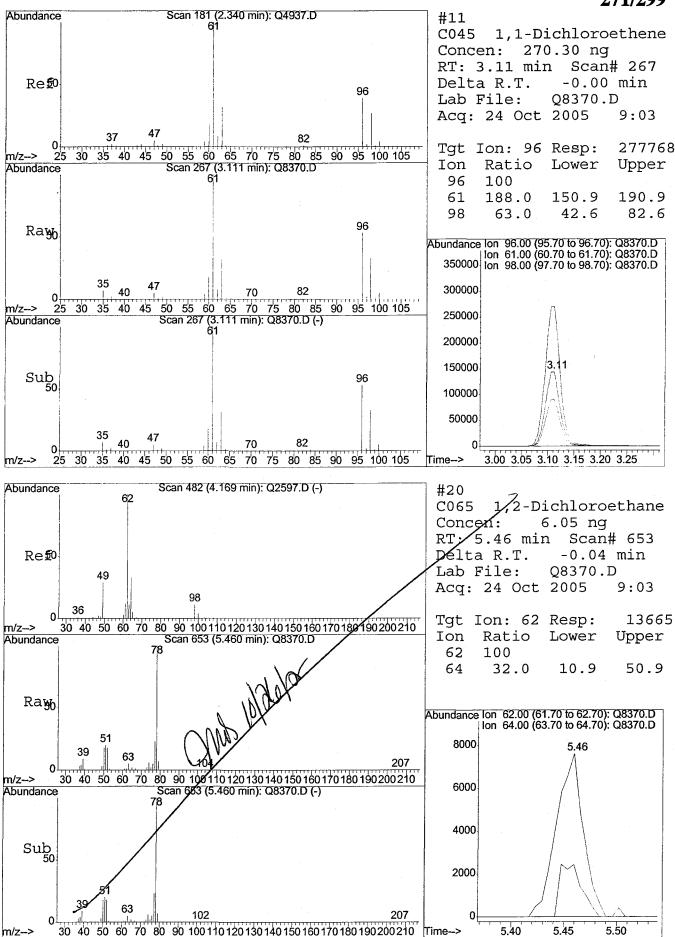
Last Update : Mon Oct 24 09:46:42 2005
Response via : Single (C:\HPCHEM\1\DATA\102405\Q8369.D 24 Oct 2005 8:28)

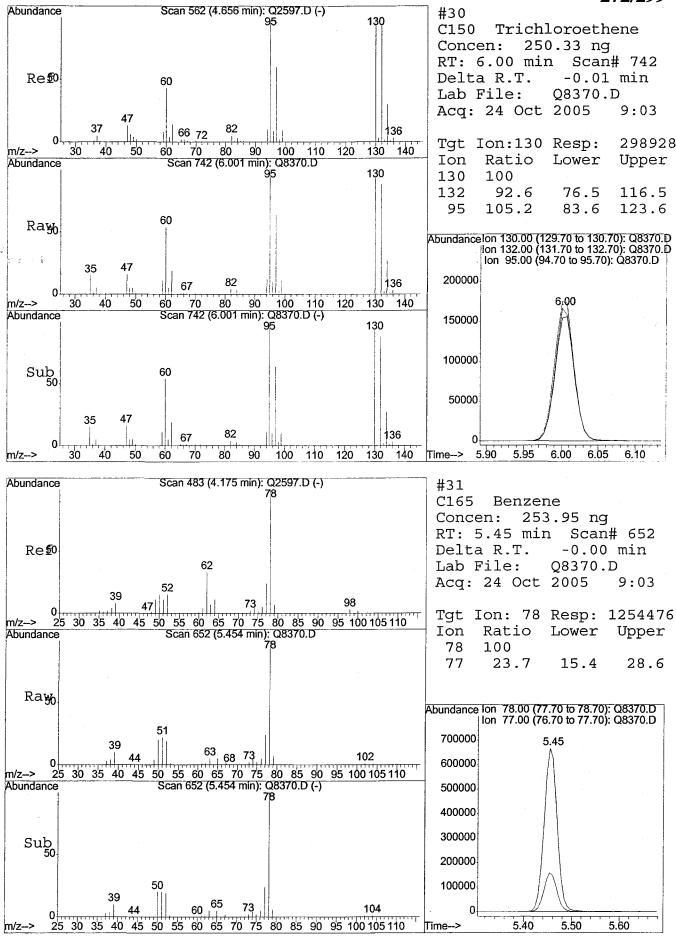
DataAcq Meth: VOA

	Compo	und	R.T.	QIon	Response	Conc Unit	Qvalue
27)	C130	Bromodichloromethane	6.14	83	1008	N.D.	
28)	C140	1,2-Dichloropropane	6.00	63	1049	N.D.	
2 <u>9</u>)	C145	cis-1,3-Dichloroprop		75	10637	N.D.	
(30)	C150	Trichloroethene	6.00	130	298928	250.33 ng	97
31)	C165	Benzene	5.45	78	1254476	253.95 ng	96
32)	C155	Dibromochloromethane	7.61	129	595	N.D.	
33)	C170	trans-1,3-Dichloropr	7.12	75	10637	N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	97	0	N.D.	
35)	C180	Bromoform	0.00	173	0	N.D.	
37)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
38)	C210	4-Methyl-2-Pentanone	7.05	43	5209	N.D.	
39)	C215	2-Hexanone	0.00	43	0	N.D.	
40)	C220	Tetrachloroethene	7.61	164	928	N.D.	
41)	C225	1,1,2,2-Tetrachloroe	7.06	83	1217	N.D.	
43	C230	Toluene	7.12	91	1314633	253.87 ng	94
44)	C235	Chlorobenzene	8.42	112	823002	252.38 ng	98
45)	C240	Ethylbenzene	8.48	106	527	N.D.	
46)	C246	m,p-Xylene	8.60	106	1718	N.D.	
47)	C247	o-Xylene	8.98	106	340	N.D.	
49)	C245	Styrene	9.01	104	988	N.D.	
50)	C966	Isopropylbenzene	9.32	105	1934	N.D.	
51)	C260	1,3-Dichlorobenzene	10.48	146	1369	N.D.	
52)	C267	1,4-Dichlorobenzene	10.88	146	1030	N.D.	
53)	C249	1,2-Dichlorobenzene	10.88	146	1030	N.D.	
54)	C286	1,2-Dibromo-3-chloro	0.00	75	0	N.D.	
55)	C313	1,2,4-Trichlorobenze	12.12	180	1706	N.D.	

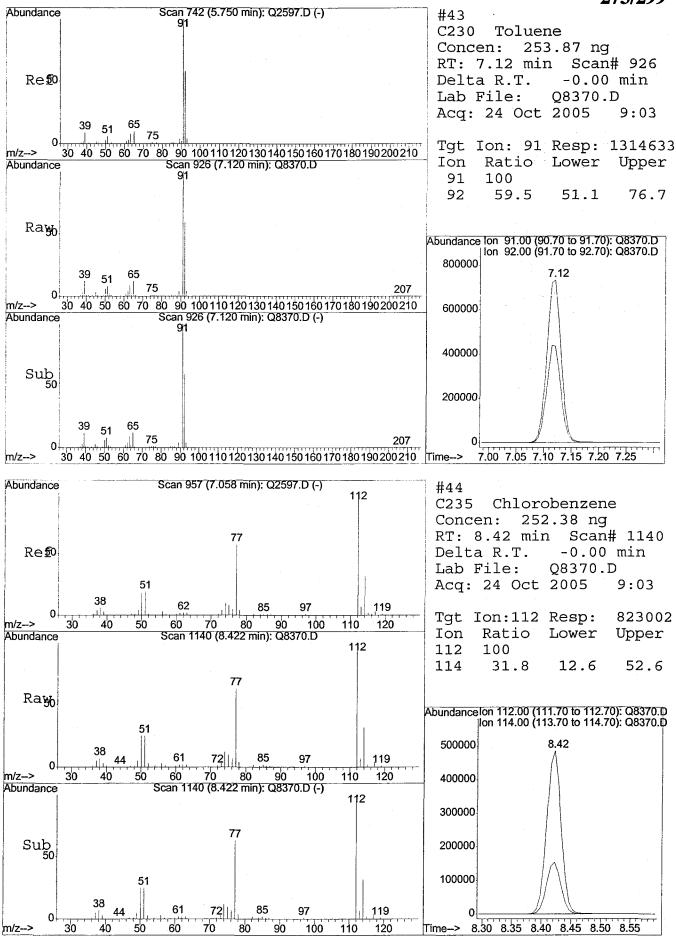


HP5973-Q





9:03



Soil Aliquot Volume: ____ (uL)

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

			MSB94
Lab Name: <u>STL Buffalo</u>	Contract:		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID:	A5B1658001
Sample wt/vol: $\underline{5.00}$ (g/mL)	<u>ML</u>	Lab File ID:	<u>Q8413.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	
% Moisture: not dec Heate	d Purge: <u>N</u>	Date Analyzed:	10/26/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00

Soil Extract Volume: ____ (uL)

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 74-87-3-----Chloromethane U 10 74-83-9-----Bromomethane 10 U 75-01-4-----Vinyl chloride U 10 75-00-3-----Chloroethane 10 U 75-09-2----Methylene chloride U 10 67-64-1----Acetone 10 U 75-15-0-----Carbon Disulfide U 10 75-35-4----1,1-Dichloroethene 44 75-34-3----1,1-Dichloroethane U 10 67-66-3-----Chloroform 10 U 107-06-2----1,2-Dichloroethane U 10 78-93-3----2-Butanone U 10 71-55-6----1,1,1-Trichloroethane 10 U 56-23-5-----Carbon Tetrachloride 10 U 75-27-4----Bromodichloromethane U 10 78-87-5----1,2-Dichloropropane U 10 U 10061-01-5---cis-1,3-Dichloropropene 10 79-01-6----Trichloroethene 45 124-48-1----Dibromochloromethane 10 U 79-00-5-----1,1,2-Trichloroethane U 10 71-43-2----Benzene 45 10061-02-6---trans-1,3-Dichloropropene U 10 75-25-2----Bromoform 10 U 108-10-1----4-Methyl-2-pentanone U 10 591-78-6----2-Hexanone U 10 127-18-4----Tetrachloroethene 10 U 108-88-3----Toluene 45 79-34-5-----1,1,2,2-Tetrachloroethane U 10 108-90-7-----Chlorobenzene_____ 47 100-41-4----Ethylbenzene 10 U 100-42-5----Styrene IJ 10 1330-20-7----Total Xylenes 10 U 75-71-8-----Dichlorodifluoromethane U 10 U 75-69-4-----Trichlorofluoromethane 10

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Ish Name, CIII Duffalo Contract		MSB94		
Lab Name: STL Buffalo Contract:		·		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID	: <u>A5B165</u>	8001	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	<u>Q8413.</u>	RR	_
Level: (low/med) <u>LOW</u>	Date Samp/Rec	٧:	· ·	
% Moisture: not dec Heated Purge: N	Date Analyzed	: <u>10/26/</u>	<u> 2005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Facto	or: <u>1.</u>	<u>00</u>	
Soil Extract Volume: (uL)	Soil Aliquot	Volume:		(uL)
CAS NO. COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg)		Q	
1634-04-4Methyl-t-Butyl Ether (MIBE)_ 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane		10 10 10 10 10 10 10 10 10 10 10	מ מ מ מ מ מ מ מ מ מ מ מ מ	

: HP5973 Q

Quantitation Report

Data File : C:\HPCHEM\1\DATA\102505\Q8413.D

: 26 Oct 2005 Acq On 00:03

Sample : MSB

Misc

Inst Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: A5I02220.RES

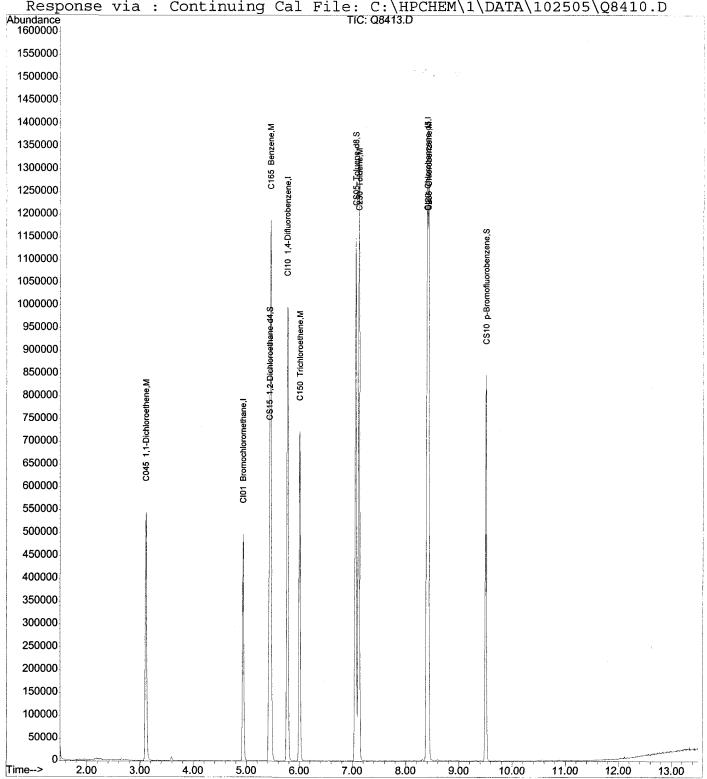
Vial: 7

Operator: CDC

Quant Time: Oct 26 0:29 2005

Method : C:\HPCHEM\1\METHODS\QOLM4\A5102220.M (RTE Integrator) Title : CLPOLM04.2 WATERS

: Wed Oct 26 00:29:02 2005 Last Update



Saramo lopudos

STL Buffalo

HP5973-Q

Page 1

Data Eila . C.\ IIDCIIEM\ 1\ DAEA\ 102505\ 00412 D

Sample : MSB Inst : HP5973 Q
Misc : Multiplr: 1.00

MS Integration Params: rteint.p Ouant Time: Oct 26 0:29 2005

Quant Time: Oct 26 0:29 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 00:29:02 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth: VOA

Q8413.D A5I02220.M

3.1

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal Standards			_	Conc Units	_
1) CI01 Bromochloromethane					0.00
22) CI10 1,4-Difluorobenzene	5.78	114	703520	250.00 ng	
36) CI20 Chlorobenzene-d5	8.39	117	609884	250.00 ng	95.22% 0.00 93.66%
System Monitoring Compounds 19) CS15 1,2-Dichloroethane-d Spiked Amount 250.000 Rang 42) CS05 Toluene-d8 Spiked Amount 250.000 Rang 48) CS10 p-Bromofluorobenzene	re 76 7.06 re 88	- 114 98 - 110	Recove 735057 Recove	ry = 100 248.83 ng ry = 99	.31% 0.00
Spiked Amount 250.000 Rang					
5) C020 Vinyl Chloride 6) C025 Chloroethane 7) C030 Methylene Chloride 8) C035 Acetone 9) C040 Carbon Disulfide 10) C275 Trichlorofluorometha 11) C045 1,1-Dichloroethene 12) C291 1,1,2-Trichloro-1,2, 13) C962 T-butyl methyl ether	2.25 0.00 0.00 2.30 3.58 3.20 3.32 0.00 3.11 0.00 0.00 0.00 3.20 0.00	50 94 62 64 84 43 76 101 96 101 73 63 43 96	0 160 3946 1000 1313 0 191935 0 0 0	N.D. N.D. N.D. N.D. N.D. N.D. 218.55 ng N.D. N.D.	Qvalue # 83
18) C060 Chloroform 20) C065 1,2-Dichloroethane 21) C110 2-Butanone 23) C256 Cyclohexane 24) C012 Methylcyclohexane 25) C115 1,1,1-Trichloroethan 26) C120 Carbon Tetrachloride	0.00	83 62 43 56 83 97 117	0	N.D. N.D. N.D. N.D. N.D. N.D.	Mg 10/3/05
(#) = qualifier out of range (m)				HDEOGO O	

Wed Oct 26 00:29:27 2005

Vial: 7

Data File : C:\HPCHEM\1\DATA\102505\Q8413.D

Acq On : 26 Oct 2005 00:03

Operator: CDC Sample : MSB Inst: HP5973 Q Multiplr: 1.00

Misc

MS Integration Params: rteint.p

Quant Time: Oct 26 0:29 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

: CLPOLM04.2 WATERS Title

Last Update : Wed Oct 26 00:29:02 2005

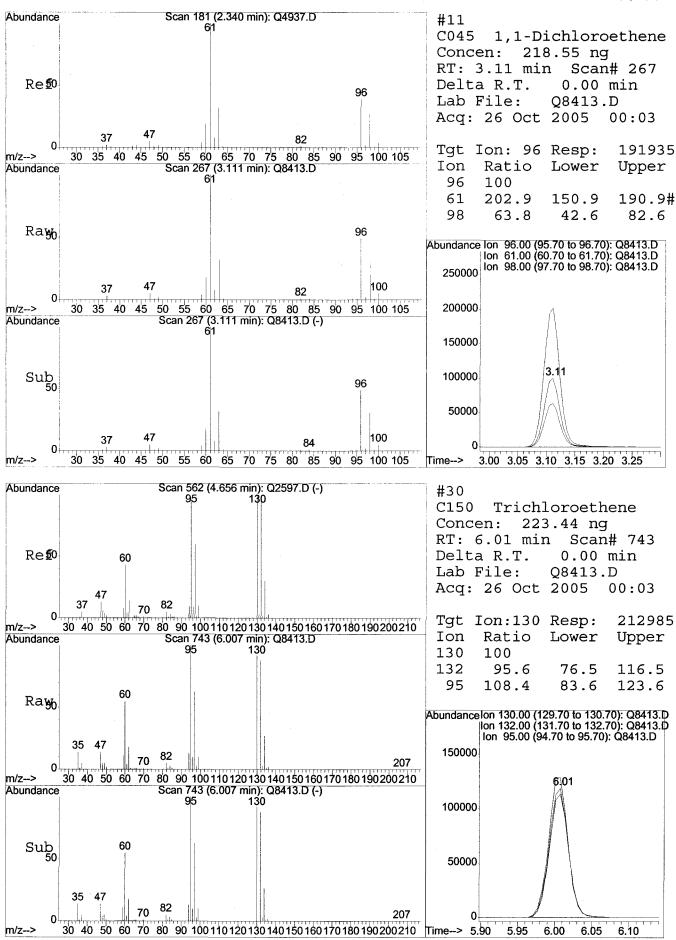
Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

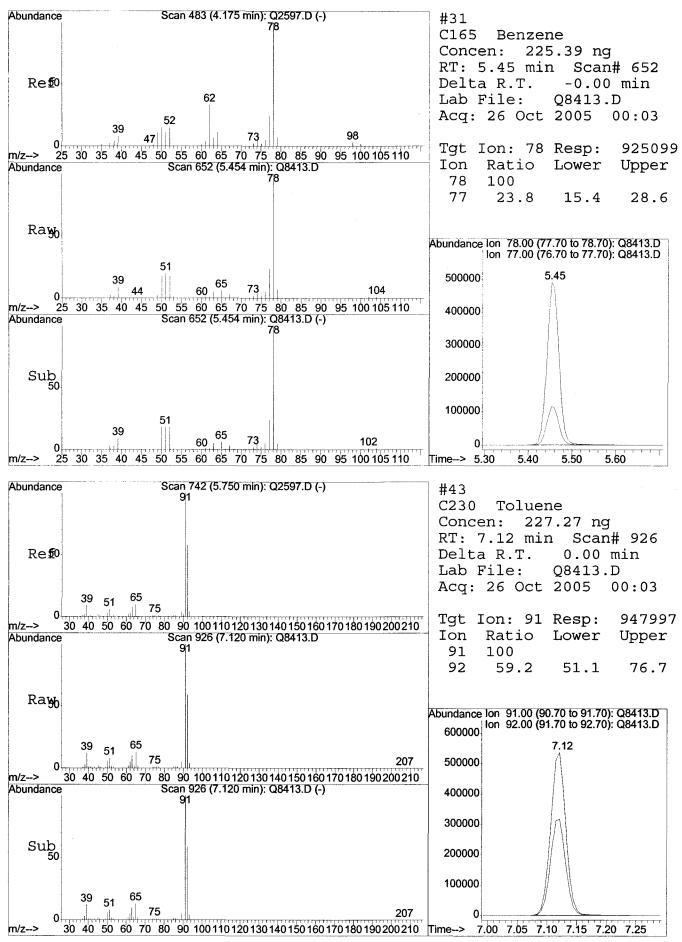
DataAcq Meth : VOA

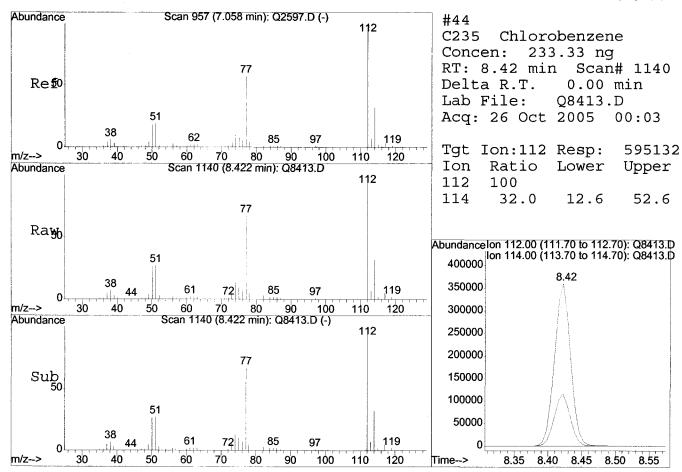
	Compo	und 	R.T.	QIon	Response	Conc Unit	Qvalue
	C130		6.13		1065	N.D.	
	C140	, <u> </u>		63		N.D.	
29)	C145	· · · · · · · · · · · · · · · · · · ·				N.D.	0.7
(30)	C150	Trichloroethene	6.01			223.44 ng	97
1		Benzene	5.45			225.39 ng	96
32)						N.D.	
33)		trans-1,3-Dichloropr				N.D.	
34)						N.D.	
	C180		0.00			N.D.	
37)		1,2-Dibromoethane			0	N.D.	
-	C210	-				N.D.	
39)			0.00			N.D.	
40)						N.D.	
41)	C225		7.06	83	736	N.D.	
C43X	C230	Toluene	7.12	91	947997	227.27 ng	94
(44)	C235	Chlorobenzene	8.42	112	595132	233.33 ng	99
45)		Ethylbenzene	8.50	106	130	N.D.	
46)	C246	m,p-Xylene	8.60	106	981	N.D.	
47)	C247	o-Xylene	8.98	106	302	N.D.	
49)	C245	Styrene	9.01	104	904	N.D.	
50)	C966	Isopropylbenzene	9.32	105	1545	N.D.	
51)	C260	1,3-Dichlorobenzene	10.48	146	1283	N.D.	
52)	C267				1190	N.D.	
53)	C249	1,2-Dichlorobenzene	10.88	146	856	N.D.	
54)	C286					N.D.	
55)	C313				779	N.D.	



HP5973-Q







EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

1			 		 	-
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	0,,	_				
	i					

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: ____ SAS No.: ___ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64902MS

Sample wt/vol: $\underline{5.00}$ (g/mL) \underline{ML} Lab File ID: $\underline{Q8418.RR}$

Level: (low/med) Low Date Samp/Recv: $\underline{10/17/2005}$ $\underline{10/17/2005}$

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/26/2005

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

		CONCENTRATION UN		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L_	Q
	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		42	
75-34-3	1,1-Dichloroethane		10	ע
67-66-3	Chloroform		10	ט
107-06-2	1,2-Dichloroethane		10	ן ט
78-93-3	2-Butanone		10	ן ט
	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		45	
124-48-1	Dibromochloromethane		10	U
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		50	
10061-02-6	trans-1,3-Dichloropropene		10	U
75-25-2			10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	ע
108-88-3	Toluene		48	
79-34-5	1,1,2,2-Tetrachloroethane		10	U
	Chlorobenzene		48	
100-41-4	Ethylbenzene		10	U
100-42-5			10	ע
	Total Xylenes		10	U
75-71-8	Dichlorodifluoromethane		10	U
75-69-4	Trichlorofluoromethane		10	U

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

lah Namo. CIII Buffalo Contract		GW-3	
Lab Name: STL Buffalo Contract:	·		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5B64902MS	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	<u>Q</u> 8418.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/17/2005 10/17/2	2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/26/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)	
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg)		
76-13-11,1,2-Trichloro-1,2,2-trifluct 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene 79-20-9		10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U	

Quantitation Report

Data File: C:\HPCHEM\1\DATA\102505\Q8418.D Vial: 12 Acq On : 26 Oct 2005 2:24 Operator: CDC

Sample : A5B64902MS Inst : HP5973 Q Multiplr: 1.00

Misc MS Integration Params: rteint.p

Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5102220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 07:35:52 2005 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102505\Q8410.D Abundance TIC: Q8418.D 1550000 1500000 C120 Chiogaterczienoeolienizene,M 1450000 1400000 1350000 1300000 1250000 1200000 CI10 1,4-Difluorobenzene, 1150000 1100000 CS10 p-Bromofluorobenzene,S 1050000 1000000 950000 C150 Trichloroethene,M 900000 850000 800000 C045 1,1-Dichloroethene,M 750000 Bromochloromethane,1 700000 650000 600000 550000 500000 450000 400000 350000 300000 250000 200000 150000 100000 50000 2.00 3.00 5.00 Time--> 4.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00

STL Buffalo Quantitation Report

Data File : C:\HPCHEM\1\DATA\102505\Q8418.D Vial: 12 : 26 Oct 2005 Acq On 2:24 Operator: CDC

Sample : A5B64902MS Inst: HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p Quant Time: Oct 26 7:36 2005

Ouant Results File: A5I02220.RES

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Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 07:35:52 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI01 Bromochloromethane	4.94	128	101303	250.00 ng	0.00
22) CI10 1,4-Difluorobenzene	5.78	114	632257	250.00 ng	0.00 85.57%
36) CI20 Chlorobenzene-d5	8.40	117	545438	250.00 ng	0.00 83.76%
System Monitoring Compounds					•
19) CS15 1,2-Dichloroethane-d					0.00
Spiked Amount 250.000 Rang 42) CS05 Toluene-d8		- 114			.10%
Spiked Amount 250.000 Rang	7.06	98 - 110		248.28 ng ry = 99	0.00
	9.50	95			0.00
Spiked Amount 250.000 Rang		- 115	Recove		.89%
Target Compounds					Qvalue
2) C290 Dichlorodifluorometh	0.00	85	0	N.D.	QVarac
3) C010 Chloromethane	2.24	50	442	N.D.	
4) C015 Bromomethane	0.00	94	0	N.D.	
5) C020 Vinyl Chloride	2.06	62	888	N.D.	
6) C025 Chloroethane	2.34	64	570	N.D.	
7) C030 Methylene Chloride	3.59	84	1799	N.D.	
8) C035 Acetone	3.20	43	1981	N.D.	
9) C040 Carbon Disulfide	3.34	76	801	N.D.	
10) C275 Trichlorofluorometha	0.00	101	0	N.D.	
(11) C045 1,1-Dichloroethene	3.11	96	167878	211.27 ng	# 81
12) C291 1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
13) C962 T-butyl methyl ether	0.00	73	0	N.D.	
14) C050 1,1-Dichloroethane	0.00	63	0	N.D.	
15) C255 Methyl Acetate	3.25	43	149	N.D.	
16) C057 trans-1,2-dichloroet 17) C056 cis-1,2-Dichloroethe	0.00	96	0	N.D.	
17) C056 cis-1,2-Dichloroethe 18) C060 Chloroform	4.72	96	193	N.D.	
20) C065 1,2-Dichlorocthane	0.00	83 62	0 9999	N.D.	88
21) C110 2-Butanone	4.75	43	1070	5.67 ng N.D.	
23) C256 Cyclohexane	0.00	56	1070	N.D. N.D.	1
24) C012 Methylcyclohexane	6.01	83	2675	N.D.	41.
25) C115 1,1,1-Trichloroethan	0.00	97	0	N.D.	DW 100
26) C120 Carbon Tetrachloride	0.00	117	0	N.D.	10/3/105
/!!					

^{(#) =} qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\102505\Q8418.D

Acq On : 26 Oct 2005 2:24

Operator: CDC Sample : A5B64902MS Inst: HP5973 Q

Misc

MS Integration Params: rteint.p Quant Time: Oct 26 7:36 2005

Quant Results File: A5I02220.RES

Multiplr: 1.00

Vial: 12

STL Buffalo

Quant Method : C:\HPCHEM\1...\A5102220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 07:35:52 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

C	Compoi	ınd	R.T.	QIon	Response	Conc Unit	Qvalue
27) (2130	Bromodichloromethane	6.01	83	2675	N.D.	
28) C	C140	1,2-Dichloropropane	6.01	63	266	N.D.	
29) (C145	cis-1,3-Dichloroprop	7.12	75	8186	N.D.	
(39) C	C150	Trichloroethene	6.01	130	194330	226.85 ng	96
	C165	Benzene	5.46	78	932024	252.67 ng	96
	C155	Dibromochloromethane	7.61	129	861	N.D.	
	C170	trans-1,3-Dichloropr	7.12	75	8186	N.D.	
34) C	C160	1,1,2-Trichloroethan	0.00	97	0	N.D.	
35) C	C180	Bromoform	0.00	173	0	N.D.	
·	2163	1,2-Dibromoethane		107	0	N.D.	
	2210	4-Methyl-2-Pentanone	7.05			N.D.	
39) C		2-Hexanone	0.00	43	0	N.D.	
	C220	Tetrachloroethene	7.61	164	1071	N.D.	
_ \	2225	1,1,2,2-Tetrachloroe	7.06	83	439	N.D.	
	2230	Toluene	7.12	91	888555	238.18 ng	94
_	2235	Chlorobenzene	8.42	112	552177	242.06 ng	100
	2240	Ethylbenzene	8.60	106		N.D.	
	2246	m,p-Xylene	8.60	106	585	N.D.	
	2247	o-Xylene	8.60	106	585	N.D.	
	2245	Styrene	9.50		953	N.D.	
	2966	Isopropylbenzene			164	N.D.	
	2260	1,3-Dichlorobenzene			297	N.D.	
	2267	1,4-Dichlorobenzene			756	N.D.	
53) C		1,2-Dichlorobenzene			135	N.D.	
	2286	1,2-Dibromo-3-chloro			0	N.D.	
55) C	2313	1,2,4-Trichlorobenze	12.12	180	170	N.D.	



EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

GW-3	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: ____ SAS No.: ___ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A5B64902SD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8419.RR

Level: (low/med) Low Date Samp/Recv: $\underline{10/17/2005}$ $\underline{10/17/2005}$

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/26/2005

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

		CONCENTRATION UN	ITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	ן ט
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		42	
75-34-3	1,1-Dichloroethane		10	ע
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
	cis-1,3-Dichloropropene		10	ן ט
79-01-6	Trichloroethene		44	
124-48-1	Dibromochloromethane		10	ט
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		50	
10061-02-6	trans-1,3-Dichloropropene		10	U
75-25-2			10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
108-88-3	Toluene		46	
79-34-5	1,1,2,2-Tetrachloroethane		10	ט
108-90-7	Chlorobenzene		46	
	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Total Xylenes		10	U
	Dichlorodifluoromethane		10	U
75-69-4	Trichlorofluoromethane		10	U
1				1

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Inh Name, CIII Duffalo Controlet.		GW-3		
Lab Name: STL Buffalo Contract:		· · · · · · · · · · · · · · · · · · ·		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample I	D: <u>A5B649</u>	02SD	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	<u>Q8419.</u>	RR	
Level: (low/med) <u>LOW</u>	Date Samp/Re	cv: <u>10/17/</u>	<u> 2005</u> <u>10/</u>	17/2005
% Moisture: not dec Heated Purge: N	Date Analyze	d: <u>10/26/</u>	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Fac	tor: <u>1.</u>	<u>00</u>	
Soil Extract Volume: (uL)	Soil Aliquot	Volume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		10 10 10 10 10 10 10 10 10 10 10	מ ט ט ט ט ט ט ט ט ט ט ט ט	

Quantitation Report

Sample : A5B64902SD Inst : HP5973 Q Misc : Multiplr: 1.00

MS Integration Params: rteint.p

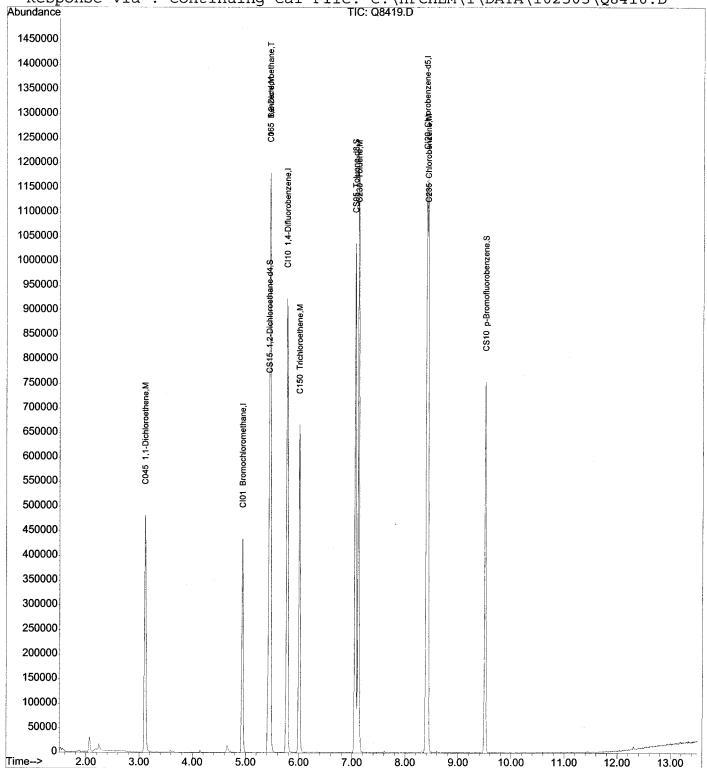
Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Method : C:\HPCHEM\1\METHODS\QOLM4\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 07:35:52 2005

Response via : Continuing Cal File: C:\HPCHEM\1\DATA\102505\Q8410.D



Data File : C:\HPCHEM\1\DATA\102505\Q8419.D Vial: 13 : 26 Oct 2005 2:52 Acq On Operator: CDC : A5B64902SD Sample

Inst: HP5973 Q Misc Multiplr: 1.00

MS Integration Params: rteint.p Quant Time: Oct 26 7:36 2005

Quant Results File: A5I02220.RES

STL Buffalo

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 07:35:52 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

IS QA File : C:\HPCHEM\1\DATA\102505\Q8410.D (25 Oct 2005 22:38)

Internal Standards	R.T.	QIon	Response	Conc Unit	s Dev(Min) Rcv(Ar)
1) CI01 Bromochloromethane	4.94	128	102669	250.00 ng	0.00
22) CI10 1,4-Difluorobenzene	5.77	114	627842	250.00 ng	
36) CI20 Chlorobenzene-d5	8.39	117	543433	250.00 ng	
System Monitoring Compounds					
19) CS15 1,2-Dichloroethane-d					
Spiked Amount 250.000 Ra 42) CS05 Toluene-d8	nge 76 7.06	- 114 98			3.46% 0.00
Spiked Amount 250.000 Ra			Recove		0.00
48) CS10 p-Bromofluorobenzene	9.51	95	255774	239.08 ng	
Spiked Amount 250.000 Ra	nge 86	- 115	Recove		5.63%
Target Compounds					Qvalue
2) C290 Dichlorodifluorometh		85	0	N.D.	
3) C010 Chloromethane	2.24	50	138	N.D.	
4) C015 Bromomethane	0.00	94	0	N.D.	
5) C020 Vinyl Chloride 6) C025 Chloroethane	2.06	62	739	N.D.	
o, cold childrename	2.40	64	930	N.D.	
7) C030 Methylene Chloride 8) C035 Acetone	3.59	84 43	1359	N.D.	
9) C040 Carbon Disulfide	3.33	43 76	1464 957	N.D. N.D.	
10) C275 Trichlorofluorometha		101	957	N.D.	
(11) C045 1,1-Dichloroethene		96	168471	209.20 ng	# 78
12) C291 1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	π /0
13) C962 T-butyl methyl ether		73	Ö	N.D.	
14) C050 1,1-Dichloroethane	0.00	63	0	N.D.	
15) C255 Methyl Acetate	3.21	43	1464	N.D.	
16) C057 trans-1,2-dichloroet	0.00	96	0	N.D.	
17) C056 cis-1,2-Dichloroethe	4.73	96	465	N.D.	
18) C060 Chloroform	0.00	83	0	N.D.	
20) C065 1,2 Dichloroethane	5.45	- 62 -	9518	5.33 ng	93
21) C110 2-Butanone	4.76	43	682	N.D.	
23) C256 Cyclohexane	0.00	56	0	N.D.	.\
24) C012 Methylcyclohexane	6.00	83	2513	N.D.	V S.
25) C115 1,1,1-Trichloroethan		97	0	N.D.	12/102
26) C120 Carbon Tetrachloride	0.00	117	0	N.D.	10/2,
(#) = qualifier out of range (m) = manı	al int	tegration		

STL Buffalo

Data File : C:\HPCHEM\1\DATA\102505\Q8419.D

Vial: 13 : 26 Oct 2005 2:52 Acq On Operator: CDC

Sample : A5B64902SD Inst : HP5973 Q Multiplr: 1.00

Misc

MS Integration Params: rteint.p

Quant Time: Oct 26 7:36 2005 Quant Results File: A5I02220.RES

Quant Method : C:\HPCHEM\1...\A5I02220.M (RTE Integrator)

Title : CLPOLM04.2 WATERS

Last Update : Wed Oct 26 07:35:52 2005

Response via : Single (C:\HPCHEM\1\DATA\102505\Q8410.D 25 Oct 2005 22:38)

DataAcq Meth : VOA

Compo	ound	R.T.	QIon	Response	Conc Unit	Qvalue
27) C130	Bromodichloromethane	6.00	83	2513	N.D.	
28) C140	1,2-Dichloropropane	6.00	63	752 ´	N.D.	
29) C145	cis-1,3-Dichloroprop	7.12	75	7742	N.D.	
(30) C150	Trichloroethene	6.00	130	187414	220.31 ng	95
(31) C165	Benzene	5.46	78	914036	249.54 ng	96
32) C155	Dibromochloromethane	7.61	129	351	N.D.	
33) C170	trans-1,3-Dichloropr		75		N.D.	
34) C160	1,1,2-Trichloroethan		97	0	N.D.	
35) C180	Bromoform	0.00	173	0	N.D.	
37) C163	1,2-Dibromoethane			0	N.D.	
38) C210	4-Methyl-2-Pentanone			3724	N.D.	
39) C215	2-Hexanone	0.00	43	0	N.D.	
40) C220	Tetrachloroethene			940	N.D.	
41) C225	• • •			532	N.D.	
(43) C230	Toluene	7.12			228.29 ng	94
(4) C235	Chlorobenzene	8.43		525901	231.40 ng	99
45) C240	Ethylbenzene	8.60			N.D.	
46) C246	m,p-Xylene	8.60	106	477	N.D.	
47) C247	o-Xylene	8.60		477	N.D.	
49) C245	4	9.00			N.D.	
50) C966	Isopropylbenzene			134	N.D.	
51) C260	1,3-Dichlorobenzene			464	N.D.	
52) C267	•			464	N.D.	
53) C249	1,2-Dichlorobenzene			464	N.D.	
54) C286	•			0	N.D.	
55) C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	

HP5973-Q

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DATA USABILITY SUMMARY REPORT ENVIROTEK TONAWANDA, NEW YORK

SDG #A06-5836

VOLATILE ANALYSES

Analyses performed by:

Severn Trent Laboratories Buffalo, New York

Review performed by:



Syracuse, New York Report #1234

Summary

The following is an assessment of the data package for sample delivery group (SDG)# A05-B649 for sampling from the Envirotek Site. 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		1	Analysis		
			Date	VOC	svoc	РСВ	MET	MISC
GW-3	A6B58601	Water	10/5/2006	Χ				
ENV-1	A6B58602	Water	10/5/2006	Х				
ENV-3R	A6B58603	Water	10/5/2006	Х				
ENV-4	A6B58604	Water	10/5/2006	Х				
ENV-7	A6B58605	Water	10/5/2006	Х				
ENV-8	A6B58606	Water	10/5/2006	Х				
ENV-9	A6B58607	Water	10/5/2006	Х				
FD-10-05-06	A6B58608	Water	10/5/2006	Х				
FB-10-05-06	A6B58609	Water	10/5/2006	Х				
TB-10-05-06	A6B58610	Water	10/5/2006	Х				

Notes:

- 1. Matrix spike/matrix spike duplicate (MS/MSD) analyses performed on sample location GW-3.
- 2. Sample location FD-10-05-06 is the field duplicate of parent sample location EVN-9.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

Introduction

Analyses were performed according to (United Stated Environmental Protection Agency) USEPA SW-846 Method 8260. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

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 USEPA 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 gas chromatograph/mass spectrometer (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 quality control (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 Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
	Water	14 days from collection to analysis	Cooled @ 4 °C; preserved to a pH of less than 2.
SW-846 8260	Soil	48 hours from collection to extraction and 14 days from extraction to analysis	Cooled @ 4 °C.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method, trip, 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. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with the following sample locations were qualified.

Sample Locations	Compounds	Sample Result	Qualification
All with this SDG	Acetone 2-Butanone Toluene Methyl-t-Butyl Ether	Sample results <rl< td=""><td>No Action</td></rl<>	No Action

RL = reporting limit

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

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

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less then the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria	
	ICV %RSD	Bromomethane Acetone Methyl Acetate	34.9% 19.3% 18.1%	
	ICV RRF	Chloroethane	0.042	

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
	RRF <0.05	Non-detect	R
	KKI	Detect	J
Initial and Continuing	RRF <0.01 ¹	Non-detect	R
Calibration	KKF <0.01	Detect	J
	RRF >0.05 or	Non-detect	No Action
	RRF >0.01 ¹	Detect	NO ACTION
Large Local Could be designed	%RSD > 15% or a	Non-detect	UJ
Initial Calibration	correlation coefficient < 0.99	Detect	J
	%D >20% (increase in sensitivity) %D >20%	Non-detect	No Action
Continuing		Detect	J
Calibration		Non-detect	UJ
	(decrease in sensitivity)	Detect	J

^{1.} RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e. ketones, 1,4-Dioxane, etc.)

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. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

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 sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard areas and retention times were within established limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations were the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery	
GW-3	Chloroethane	>UL	>UL	

AC = Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification	
> the upper control limit (UL)	Non-detect	No Action	
	Detect	J	
< the lower control limit (LL) but > 10%	Non-detect	J	
	Detect	J	
< 10%	Non-detect	R	
	Detect	J	
Parent sample concentration > four	Detect		
times the MS/MSD spiking solution concentration (D).	Non-detect	No Action	
< 10%	Non-detect	R	

Control Limit	Sample Result	Qualification	
	Detect	J	

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
ENV-9/FD-10-05-06	All Compounds	ND	ND	AC

ND = Not detected.

AC = The field duplicate RPD is acceptable when the RPD between parent sample and field duplicate sample is less than one times the RL and where the parent sample and/or duplicate concentration is less than five times the RL.

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

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.

SAMPLE COMPLIANCE REPORT

Comple					Compliancy ¹			Noncompliance		
Sample Delivery Group	Sampling Date	Protocol	Sample ID	Matrix	voc	svoc	PCB/PES T/HERB	MET	MISC	
A05-B649	10/5/2006	ASP-2000	GW-3	Water	No					VOCs-ICAL –RRF and %RSD
A05-B649	10/5/2006	ASP-2000	ENV-1	Water	No					VOCs-ICAL –RRF and %RSD
A05-B649	10/5/2006	ASP-2000	ENV-3R	Water	No					VOCs-ICAL –RRF and %RSD
A05-B649	10/5/2006	ASP-2000	ENV-4	Water	No					VOCs-ICAL –RRF and %RSD
A05-B649	10/5/2006	ASP-2000	ENV-7	Water	No					VOCs-ICAL –RRF and %RSD
A05-B649	10/5/2006	ASP-2000	ENV-8	Water	No					VOCs-ICAL –RRF and %RSD
A05-B649	10/5/2006	ASP-2000	ENV-9	Water	No					VOCs-ICAL –RRF and %RSD
A05-B649	10/5/2006	ASP-2000	FD-10-05-06	Water	No					VOCs-ICAL -RRF and %RSD
A05-B649	10/5/2006	ASP-2000	FB-10-05-06	Water	No					VOCs-ICAL –RRF and %RSD
A05-B649	10/5/2006	ASP-2000	TB-10-05-06	Water	No					VOCs-ICAL –RRF and %RSD

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.

CORRECTED SAMPLE ANALYSIS DATA SHEETS

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Tah Name	· CTT. Puffalo	Contract: _			ENV-1		
TOD Name	· SIII BULLATO	Concrace: _					
Lab Code	: <u>RECNY</u> Cas	e No.: SAS No.:		SDG No.:	 _		
Matrix:	(soil/water) <u>W</u>	ATER	Li	ab Sample II): <u>A6B5860</u>	2	•
Sample wi	t/vol: _	<u>5.00</u> (g/mL) <u>ML</u>	L	ab File ID:	S7509.R	₹	
Level:	(low/med) <u>I</u>	<u>OW</u>	D	ate Samp/Rec	ev: <u>10/05/2</u>	006 <u>10/0</u>	5/2006
% Moistu	re: not dec	Heated Purge: N	D	ate Analyzeo	d: <u>10/11/2</u>	006	
GC Colum	n: <u>DB-624</u>	ID: <u>0.53</u> (mm)	D	ilution Fact	or: <u>1.0</u>	<u>0</u>	
Soil Ext	ract Volume: _	(uL)	s	oil Aliquot	Volume:	(t	ıL)
		·	CONCE	NIRATION UNI	ITS:		
	CAS NO.	COMPOUND	(ug/)	L or ug/Kg)	<u>UG/L</u>	Q	
	74-87-3	-Chloromethane			1	บ	
	74-83-9	-Bromomethane			1	ע ד	
	75-01-4	-Vinyl chloride			1	ן ט	
	175-00-3	-Chloroethane		i	1	UR	
	75-09-2	-Methylene chloride			1	U	
	67-64-1	-Acetone		1	· 5	UJ	
	75-15-0	-Carbon Disulfide			1 :	ប	
	75-35-4	-1,1-Dichloroethene			1	ט	
	75-34-3	-1,1-Dichloroethane			1	ប	
	167-66-3	-Chloroform			1	U	
	107-06-2	-1,2-Dichloroethane			1	ប	
	78-93-3	-2-Butanone	-	1	5	ប ·	
	71-55-6	-1,1,1-Trichloroethane_			. 1	- บ	
	56-23-5	-Carbon Tetrachloride			1	U	
	75-27-4	-Bromodichloromethane			1 .	ប	
	78-87-5	-1,2-Dichloropropane			1	U	,
·	10061-01-5	-cis-1,3-Dichloropropene	<u> </u>		1	ט	
•	79-01-6	_Trichlomethene			1	TT I	

124-48-1----Dibromochloromethane

108-10-1----4-Methyl-2-pentanone

127-18-4----Tetrachloroethene

71-43-2----Benzene

75-25-2----Bromoform

591-78-6----2-Hexanone

108-90-7----Chlorobenzene

100-41-4----Ethylbenzene

1330-20-7----Total Xylenes

108-88-3-----Toluene

100-42-5----Styrene

79-00-5----1,1,2-Trichloroethane

10061-02-6---trans-1,3-Dichloropropene

79-34-5-----1,1,2,2-Tetrachloroethane

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

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Lab Name: STL Buffalo Contract:		1 .	
			
Lab Code: RECNY Case No.: SAS No.:	SDG No.:		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58602	
Sample wt/vol:5.00 (g/mL) ML	Lab File ID:	S7509.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006	10/05/2006
Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volu	we:	_ (uL)
	NCENTRATION UNITS: ug/L or ug/Kg) <u>[</u>	•	Q.
76-13-11,1,2-Trichloro-1,2,2-trifluoro 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		1 U U U U U U U U U U U U U U U U U U U	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buffalo	Contract:	•	EMV-T		
Lab Code: <u>RECNY</u> Case No.	: SAS No.:	SDG No.:			
Matrix: (soil/water) WATER		Lab Sample ID:	A6B5860	02_	
Sample wt/vol: 5.00	(g/mL) <u>ML</u>	Lab File ID:	S7509.I	RR	-
Level: (low/med) <u>LOW</u>		Date Samp/Recv	: <u>10/05/</u> 2	<u>2006</u> 10,	/05/2006
% Moisture: not dec.		Date Analyzed:	10/11/2	2006	
GC Column: <u>DB-624</u> ID:	0.53 (mm)	Dilution Facto	or:1.0	<u>00</u>	
Soil Extract Volume:	(uL)	Soil Aliquot V	olume:	· · · · · · · · · · · · · · · · · · ·	(uL)
Number TICs found:0		CONCENTRATION UN (ug/L or ug/Kg)		-	
CAS NO.	Compound Name	RT Est	. Conc.	Q	

Client No.

Tab Mama	. OTT Duffolo	~	ontroct.				ENV-3R		
LaD Name	: SILI BULLATO	C	JILLACL:		_				
Lab Code	: <u>RECNY</u> Cas	se No.:	SAS No.:	· · ·	SDG No.:				
Matrix:	(soil/water) <u></u>	WATER			Lab Sample	e ID:	A6B58603		
Sample w	t/vol:	_5.00 (g/mL) M	្ន		Lab File 1	D:	S7510.RR		
Level:	(low/med)]	LOW			Date Samp,	/Recv:	10/05/20	06 10/0)5/2006
% Moistu	re: not dec	Heated	Purge: <u>N</u>		Date Analy	yzed:	10/11/20	<u>06</u>	
GC Colum	n: <u>DB-624</u>	ID: <u>0.53</u> (mm))		Dilution I	Factor:	5.00	•	
Soil Ext	ract Volume: _	(uL)			Soil Aliq	uot Voli	ume:	(τ	ıL)
	CAS NO.	COMPOUND			ENTRATION //L or ug/I			Q	÷
	74-83-9 75-01-4 75-00-3 75-09-2 67-64-1 75-15-0 75-35-4 75-34-3	ChloromethaneBromomethaneVinyl chloridChloroethaneMethylene chloroethaneCarbon Disulf:1,1-Dichloroethane	e oride ide thene thane				5 5 13 5 5 25 5 5 17	n and and and and and and and and and an	
	1107 06 0	1 0 5 -1-1	. 1		· 	ŧ	_	1	1

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79-34-5----1,1,2,2-Tetrachloroethane

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

108-90-7-----Chlorobenzene 100-41-4-----Ethylbenzene

1330-20-7----Total Xylenes

100-42-5----Styrene

Client No.

Inh Name CIII Duffalo Contract.		ENV-3R		
Lab Name: STL Buffalo Contract:				
Lab Code: <u>RECNY</u> Case No.: SAS No.: _	SDG No.:	_		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58603	3	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	<u>\$7510.RF</u>	2	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/20	006 10/0	5/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/20	006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	:5.00	<u>)</u>	
Soil Extract Volume: (uL)	Soil Aliquot Vo	olume:	(ul	L)
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q	
108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene	me	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	מממממממממ מממ ל	

EPA ASP 2000 - METHOD 8260 VOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

T = 1	om p55-1-	Garaka ara ada			ENV-3R			
Lad Name:	: SIL BULIATO	Contract:		-				•
Lab Code:	RECNY Case No.	: SAS No.:	SDG No.: _					
Matrix:	(soil/water) <u>WATER</u>		Lab Sampl	le ID:	A6B5860	3		
Sample wt	:/vol: <u>5.00</u>	<u>)</u> (g/mL) <u>ML</u>	Lab File	ID:	S7510.R	<u>R</u>	_	
Level:	(low/med) <u>LOW</u>		Date Samp	/Recv:	10/05/2	<u>006</u> 10	/05/200	<u>06</u>
% Moistur	re: not dec	-	Date Anal	lyzed:	10/11/2	006		
GC Column	n: <u>DB-624</u> ID:	0.53 (mm)	Dilution	Factor:	5.0	<u>o</u>	•	
Soil Extr	ract Volume:	(uL)	Soil Aliq	quot Vol	ume:		(uL)	
Number Ti	Cs found: _0		CONCENTRATI (ug/L or u					
	CAS NO.	Compound Name	RT	Est.	Conc.	Q		

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Tall Manager D. 55 7	ENV-4
Lab Name: SIL Buffalo Contract:	<u> </u>
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) WATER	Lab Sample ID: A6B58604
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID: <u>S7511.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/05/2006 10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>10/11/2006</u>
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor: 5.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
74-87-3Chloromethane 74-83-9Bromomethane 75-01-4Vinyl chloride 75-00-3Chloroethane 75-09-2Methylene chloride 67-64-1Carbon Disulfide 75-35-41,1-Dichloroethane 75-34-31,1-Dichloroethane 67-66-3Chloroform 107-06-21,2-Dichloroethane	5 U U C S U U C S U U C S U U C S U U C S U U U S S U U U U S S U U U U S S U U U U S S U U U U S S U U U U S S U U U U S U U U U S U U U U S U U U U S U U U U S U U U U S U U U U S U U U U S U

78-93-3----2-Butanone

71-55-6----1,1,1-Trichloroethane

56-23-5-----Carbon Tetrachloride

75-27-4-----Bromodichloromethane

78-87-5----1,2-Dichloropropane

79-01-6----Trichloroethene

10061-01-5---cis-1,3-Dichloropropene

		ENV-4	
Lab Name: STL Buffalo Contract:		L	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58604	_ .
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	S7511.RR	· · · · · · · · · · · · · · · · · · ·
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/200	06 <u>10/05/2006</u>
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/200	<u>)6</u>
GC Column: DB-624 ID: 0.53 (mm)	Dilution Factor:	5.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	lume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene 79-20-9Methyl acetate		55655555555	מממממממ ממממממ מממממ ממממ

EPA ASP 2000 - METHOD 8260 VOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Tab Name	• ST. Buffalo	Contract:		ENV-4			
LOW IVER	· bin barraro	Concract:					
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:				
Matrix:	(soil/water) <u>WATER</u>		Lab Sample	ID: <u>A6B586</u>	04		
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File II	D: <u>\$7511.</u>	RR		
Level:	(low/med) <u>LOW</u>		Date Samp/F	Recv: <u>10/05/</u>	2006 <u>10</u>	/05/2006	2
% Moistu	re: not dec		Date Analyz	zed: <u>10/11/</u>	<u> 2006</u>		
GC Colum	n: <u>DB-624</u> ID	: <u>0.53</u> (mm)	Dilution Fa	actor: <u>5.</u>	<u>00</u>	•	
Soil Ext	ract Volume:	(uL)	Soil Alique	ot Volume: _		(uL)	
Number T	ICs found: 0		CONCENTRATION (ug/L or ug/	NUNITS: /Kg) <u>UG/L</u>	_		
·	CAS NO.	Compound Name	RT	Est. Conc.	Q		
						45.5	

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name:	STL Buffalo	Contract:		ENV-7	
	,				
Lab Code:	RECNY Case	e No.: SAS No.: _	SDG No.:		
Matrix: (soil/water) W	<u>ATER</u>	Lab Sample	e ID: <u>A6B586</u>	05
Sample wt	/vol:	5.00 (g/mL) <u>ML</u>	Lab File I	D: <u>S7512.</u>	RR
Level:	(low/med) <u>I</u>	<u>W</u>	Date Samp/	Recv: <u>10/05/</u>	2006 10/05/2006
% Moistur	e: not dec	Heated Purge: N	Date Analy	rzed: <u>10/11/</u>	2006
GC Column	: <u>DB-624</u>	ID: <u>0.53</u> (mm)	Dilution F	actor: <u>5.</u>	<u>00</u>
Soil Extr	act Volume: _	(uL)	Soil Aliqu	ot Volume:	(uL)
	CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K	UNITS: [g) <u>UG/L</u>	Q
	74-83-9 75-01-4 75-09-2 67-64-1 75-35-4 67-66-3 107-06-2 78-93-3 56-23-5 75-27-4 78-87-5	-Vinyl chloride -Chloroethane -Methylene chloride -Acetone -Carbon Disulfide -1,1-Dichloroethene -1,1-Dichloroethane -Chloroform -1,2-Dichloroethane		5 5 100 5 25 5 5 5 5 5 5 5 5 5 5	ממממממממניממממ ש ממ
	79-01-6	-Cis-1,3-bichioropropene -Trichloroethene		5 5	U

124-48-1----Dibromochloromethane

71-43-2----Benzene

75-25-2----Bromoform

591-78-6----2-Hexanone

108-90-7-----Chlorobenzene

100-41-4----Ethylbenzene

1330-20-7----Total Xylenes

108-88-3----Toluene

100-42-5----Styrene

79-00-5-----1,1,2-Trichloroethane

108-10-1----4-Methyl-2-pentanone

127-18-4----Tetrachloroethene

10061-02-6---trans-1,3-Dichloropropene

79-34-5----1,1,2,2-Tetrachloroethane

75-71-8----Dichlorodifluoromethane

75-69-4-----Trichlorofluoromethane

Client No.

Call Mana Com Duccella Combanada		ENV-7	
Lab Name: STL Buffalo Contract:			
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	-	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58605	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	S7512.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006	10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	5.00	
Soil Extract Volume: (uL)	Soil Aliquot Vo	Lume:	_ (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q
76-13-11,1,2-Trichloro-1,2,2-trifle 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cyclohexane 110-82-7Methylcyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane		5 U U 5 U U 5 U U 5 U U 5 U U 5 U U 5 U U 5 U U 5 U U 5 U U 5 U U U 5 U	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name	: STL Buffalo	Contract:		ENV-7		
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	_ SDG No.:	munida		
Matrix:	(soil/water) <u>WATER</u>		Lab Sample I	D: <u>A6B586</u>	05	
Sample w	t/vol: <u>5.00</u>	0 (g/m L) <u>ML</u>	Lab File ID:	<u>\$7512.</u>	RR	·
Level:	(low/med) <u>LOW</u>		Date Samp/Re	cv: <u>10/05/</u>	2006 <u>1</u> 0	0/05/2006
% Moistu	re: not dec.	-	Date Analyze	d: <u>10/11/</u>	2006	٠
GC Colum	n: <u>DB-624</u> ID	: <u>0.53</u> (mm)	Dilution Fac	tor: <u>5.</u>	00	
Soil Ext	ract Volume:	(uL)	Soil Aliquot	Volume:		(uL)
Number T	ICs found: 0		CONCENTRATION (ug/L or ug/K		-	
	CAS NO.	Compound Name	RT E	st. Conc.	Q	
						man from a final

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Iah Name	• প্রা. Buffal	o Contract:		EN	V-8	-
TOD IVARIO	· DIN DULIAL	o wherace.				
Lab Code	E RECNY C	ase No.: SAS No.:	SDG No.:			
Matrix:	(soil/water)	WATER	Lab Sample	ID: <u>A6B</u>	<u>58606</u>	
Sample w	t/vol:	<u>5.00</u> (g/mL) <u>ML</u>	Lab File I	D: <u>\$75</u>	13.RR	-
Level:	(low/med)	LOW	Date Samp/	Recv: <u>10/</u>	05/2006 <u>10/</u>	05/2006
% Moistu	re: not dec.	Heated Purge: N	Date Analy	zed: <u>10/</u>	11/2006	
GC Colum	n: <u>DB-624</u>	ID: <u>0.53</u> (mm)	Dilution F	actor:	5.00	
Soil Ext	ract Volume:	(uL)	Soil Aliqu	ot Volume:	(uL)
			CONCENTRATION		•	
	CAS NO.	COMPOUND	(ug/L or ug/K	ig) <u>UG/L</u>	Q	
	74-87-3	Chloromethane		5	U	7
	174-83-9	Bromomethane	1	5	Tu	
	75-01-4	Vinyl chloride		5	ט	
	1/5-00-3	Cintorpernane	j	-5	U R	
	75-09-2	Methylene chloride		5	บ	
	167-64-1	Aretone		25	UJ	
	75-15-0	Carbon Disulfide		5	บ	1
	1/5-35-4	I.I-Dichloroethene		5	ט	
•	75-34-3	1,1-Dichloroethane		5	บ	
	167-66-3	Chloroform		. 5	ប	
	107-06-2	1,2-Dichloroethane		5	ប	-
	178-93 - 3	2-Butanone	I	25	บ	
	71-55-6	1,1,1-Trichloroethane		5	ប	
	56-23-5	Carbon Tetrachloride		5	Ū	
	75-27-4	Bromodichloromethane		5	บ	
	78-87-5	1,2-Dichloropropane		5	Ū	
	10061-01-5-	cis-1,3-Dichloropropene		5	υ	
	79-01-6	Trichloroethene		8		
		Dibromochloromethane		5	υ ·	

79-00-5----1,1,2-Trichloroethane

108-10-1----4-Methyl-2-pentanone

127-18-4----Tetrachloroethene

10061-02-6---trans-1,3-Dichloropropene

79-34-5----1,1,2,2-Tetrachloroethane

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

71-43-2----Benzene

75-25-2----Bromoform

591-78-6----2-Hexanone

108-90-7----Chlorobenzene

100-41-4----Ethylbenzene

1330-20-7----Total Xylenes

108-88-3----Toluene

100-42-5----Styrene

. 1		ENV-8	
Lab Name: STL Buffalo Contract:	· · · · · · · · · · · · · · · · · · ·		
Lab Code: RECNY Case No.: SAS No.:	_ SDG No.:		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58606	
Sample wt/vol:	Lab File ID:	<u>S7513.RR</u>	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006	10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	5.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q
76-13-11,1,2-Trichloro-1,2,2-triflux 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		5 5 1 1 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name	: STL Buffalo	Contract:		ENV-8	-	
		.: SAS No.:				
Matrix:	(soil/water) WATER			le ID: <u>A6B5</u> 8	3606	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File	ID: <u>\$7513</u>	3.RR	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/05</u>	5/2006 <u>1</u>	0/05/2006
% Moistu	re: not dec.	-	Date Ana	lyzed: <u>10/1</u> 1	/2006	
GC Colum	n: <u>DB-624</u> ID	:_0.53 (mm)	Dilution	Factor:	5.00	
Soil Ext	ract Volume:	(uL)	Soil Alio	quot Volume: _		(uL)
Number T	ICs found:0		CONCENTRAT: (ug/L or 1	ION UNITS: ug/Kg) <u>UG/I</u>	<u>.</u>	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	
						⊣ .

					ENV -9	ı	
Lab Name:	SIL BUTTALO	Contra	ct:				
Lab Code:	RECINY Ca	se No.: SAS	No.:	SDG No.:			•
Matrix: ((soil/water)	WATER		Lab Sample ID	: <u>A6B586</u>	07	
Sample wt	/vol:	<u>5.00</u> (g/mL) <u>ML</u>		Lab File ID:	S7514.	RR	
Level:	(low/med)	LOW		Date Samp/Rec	v: <u>10/05/</u>	2006 10/05	5/2006
Moistur	re: not dec.	Heated Purge	: <u>N</u>	Date Analyzed	: <u>10/11/</u>	2006	
Column	1: <u>DB-624</u>	ID: <u>0.53</u> (mm)		Dilution Fact	or: <u>5.</u>	<u>00</u>	
30il Extr	ract Volume:	(uL)		Soil Aliquot	Volume:	(uI	<u>'</u>)
•	C7 C 350	CCA CCCA TO TO		ONCENTRATION UNI		•	
_	CAS INO.	COMPOUND		(ug/L or ug/Kg)	<u>UG/L</u>	Q	
	74-87-3	Chloromethane		·	5	ט	
	74-83-9				5	ŭ J	
·	75-01-4	Vinyl chloride	· · · · · · · · · · · · · · · · · · ·		5	Ü	
	75-00-3	Chloroethane			<u> </u>	- B R	
	75-09-2	Methylene chloride			5	ט	
	67-64-1	Acetone	M		25	บ์ฮา	
		Carbon Disulfide				U	
. 1	75-15-0	1.1 Dishlessethers			5		
	75-33-4	1,1-Dichloroethene			5	U	
1	75-34-3	1,1-Dichloroethane			5	U	
	107.06.2	Chloroform			5	Ü	
	10/-06-7	1,2-Dichloroethane			5	ū	
	78-93-3	2-Butanone	A		25	U	
ł	71-55-6	1,1,1-Trichloroeth	ane		5	ū	
	56-23-5	Carbon Tetrachlori	de		5	U	
ļ	75-27-4	Bromodichlorometha	ne		5	U	
1	78-87-5	1,2-Dichloropropan	e		5	U	
Į.	10061-01-5	cis-1,3-Dichloropr	opene		5	U	
	/A-0T-0	iricnioroethene		<u></u>	5	U	
		Dibromochlorometha		·	5	U	
		1,1,2-Trichloroeth	ane		5	U	
1	71-43-2				5	U	
•		trans-1,3-Dichloro	propene		5	U	
	75-25-2				5	ן שן	
		4-Methyl-2-pentano	ne		25	U	
		2-Hexanone			25	U	
		Tetrachloroethene			5	ש	
	108-88-3				5	ש	
		1,1,2,2-Tetrachlor	oethane		5	ט	
		Chlorobenzene			5	U	
		Ethylbenzene			5	U	
	100-42-5				5	U	
l		Total Xylenes			15	υ	
.]	75-71-8	Dichlorodifluorome	thane		5	ע	
1	75 60 4	Theight amofile	h		F-	1++	

		ENV-9
Lab Name: STL Buffalo Contract:	·	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58607
Sample wt/vol:5.00 (g/mL) ML	Lab File ID:	S7514.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	5.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	me: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L Q
76-13-11,1,2-Trichloro-1,2,2-trifluor 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Methylcyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-1Methyl acetate		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buffalo Contract:	ENV-9
Lab Code: RECNY Case No.: SAS No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A6B58607
Sample wt/vol:	Lab File ID: <u>S7514.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/05/2006</u> <u>10/05/2006</u>
% Moisture: not dec	Date Analyzed: <u>10/11/2006</u>
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:5.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Number TICs found: <u>0</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>
CAS NO. Compound Name	RT Est. Conc. Q

Lab Name: STL Buffalo Contract:	FB-10-05-06
Tab Name: SIL BULLATO CONCLACE:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A6B58609
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID: <u>S7516.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/05/2006</u> <u>10/05/2006</u>
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>10/11/2006</u>
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
74-87-3Chloromethane 74-83-9Bromomethane 75-01-4Vinyl chloride 75-00-3Chloroethane 75-09-2Methylene chloride	1 1 117.

·····				
	Chloromethane	<u>.</u>	1	U_
	Bromomethane		1	$ v\mathcal{J} $
	Vinyl chloride		1	U
	Chloroethane	I·	1	-JUR
75-09-2	Methylene chloride		1	U
67-64-1			60	1.3
	Carbon Disulfide		1	υ
75-35-4	1,1-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
	Chloroform		1	ប
107-06-2	1,2-Dichloroethane		1	טן
	2-Butanone		9	
71-55-6	1,1,1-Trichloroethane		1	U
	Carbon Tetrachloride		1	Ū
75-27-4	Bromodichloromethane		1	Ū
78-87-5	1,2-Dichloropropane		1	U .
10061-01-5	cis-1,3-Dichloropropene		1	ប
	Trichloroethene		1	U .
124-48-1	Dibromochloromethane		1	U
79-00-5	1,1,2-Trichloroethane		1	U
71-43-2	Benzene		1	ប
10061-02-6	trans-1,3-Dichloropropene		1	ט
	Bromoform		1	[ប
108-10-1	4-Methyl-2-pentanone		5	ប
	2-Hexanone		5	ប
127-18-4	Tetrachloroethene		1	ប
108-88-3			1	
	1,1,2,2-Tetrachloroethane		1	U ·
	Chlorobenzene		1	ប
	Ethylbenzene		1	U
100-42-5			1	Ū
	Total Xylenes		3	ט
	Dichlorodifluoromethane		1	Ū
1	Trichlorofluoromethane		1	T

Call Name of the D. CC Ta	#-		FB-10-	05-06	
Lab Name: <u>STL Buffalo</u> Cont	ract:		<u> </u>		
Lab Code: <u>RECNY</u> Case No.:	:AS No.:	SDG No.:	_		
Matrix: (soil/water) <u>WATER</u>	·	Lab Sample ID:	A6B5860	9	
Sample wt/vol: 5.00 (g/mL) ML		Lab File ID:	S7516.R	R	
Level: (low/med) <u>LOW</u>		Date Samp/Recv	10/05/2	<u>006</u> 10/0	5/2006
Moisture: not dec Heated Pur	ge: <u>N</u>	Date Analyzed:	10/11/2	<u>006</u>	
3C Column: <u>DB-624</u> ID: <u>0.53</u> (mm)		Dilution Factor	: <u>1.0</u>	<u>o</u>	
Soil Extract Volume: (uL)		Soil Aliquot Vo	olume:	(ı	ıL)
CAS NO. COMPOUND		ONCENIRATION UNITS (ug/L or ug/Kg)		· Q	
76-13-11,1,2-Trichloro- 156-60-5trans-1,2-Dichlor 1634-04-4Methyl-t-Butyl I 156-59-2Cyclohexane 110-82-7Methylcyclohexar 106-93-41,2-Dibromoethar 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenz 106-46-71,4-Dichlorobenz 95-50-11,2-Dibromo-3-ch 120-82-11,2,4-Trichlorobenz 79-20-9Methyl acetate	oroethene Ether (MIBE) Dethene Dethene Dethene Dethene Dethene Dethene Dethene Dethene Dethene Dethene Dethene Dethene Dethene Dethene Dethene		1 0.8 1 1 1 1 1 1 1	ממממממממממממ	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buffalo Contra	ct:	Į	LB-10-02-06	
Lab Code: RECNY Case No.: SA	S No.:	SDG No.:		
Matrix: (soil/water) <u>WATER</u>	•	Lab Sample ID:	A6B58609	
Sample wt/vol: 5.00 (g/mL) ML	·	Lab File ID:	S7516.RR	
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006	10/05/2006
% Moisture: not dec		Date Analyzed:	10/11/2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)		Dilution Factor:	1.00	
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume:	(uL)
Number TICs found: <u>1</u>		CONCENTRATION UNIT (ug/L or ug/Kg)	·	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	3.12	3	J

Client No.

		•	FD-10-05-06
Lab Name: <u>STL Buffalo</u>	Contract:		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID:	A6B58608
Sample wt/vol: 5.00 (g/mL)	ML	Lab File ID:	S7515.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec Heated	d Purge: N	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (m	nm)	Dilution Factor:	5.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 74-87-3-----Chloromethane 5 74-83-9-----Bromomethane 5 $\mathtt{U} \mathcal{J}$ 75-01-4-----Vinyl chloride 5 U #R 75-00-3-----Chloroethane 5 75-09-2----Methylene chloride 5 U 67-64-1----Acetone 25 UJ 75-15-0-----Carbon Disulfide 5 U 75-35-4----1,1-Dichloroethene 5 U 75-34-3----1,1-Dichloroethane 5 U 67-66-3-----Chloroform 5 U 107-06-2----1,2-Dichloroethane 5 U 78-93-3----2-Butanone 25 U 71-55-6----1,1,1-Trichloroethane 5 U 56-23-5-----Carbon Tetrachloride 5 U 5 75-27-4----Bromodichloromethane U 78-87-5----1,2-Dichloropropane 5 U 5 10061-01-5---cis-1,3-Dichloropropene U 79-01-6----Trichloroethene 5 U 124-48-1----Dibromochloromethane 5 U 79-00-5-----1,1,2-Trichloroethane 5 U 71-43-2----Benzene 5 U 10061-02-6---trans-1,3-Dichloropropene 5 U 5 U 75-25-2-----Bromoform 108-10-1----4-Methyl-2-pentanone 25 U 591-78-6----2-Hexanone 25 U 127-18-4----Tetrachloroethene 5 U 108-88-3----Toluene 5 U 79-34-5----1,1,2,2-Tetrachloroethane 5 U 108-90-7-----Chlorobenzene 5 U 100-41-4----Ethylbenzene 5 U 100-42-5----Styrene 5 U 1330-20-7----Total Xylenes 15 U 75-71-8-----Dichlorodifluoromethane U 5 75-69-4----Trichlorofluoromethane U

Client No.

		FD-10-05-06	
Lab Name: STL Buffalo Contract:	<u> </u>		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58608	
Sample wt/vol:5.00 (g/mL) ML	Lab File ID:	S7515.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006 10/0	05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	:5.00	
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume: (1	л г)
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Methylcyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 7 7 7 7	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

			-	FD-10-0	5-06	
Lab Name:	SIL Buffalo	Contract:	-	<u></u>	·	
Lab Code:	RECONY Case No.	: SAS No.:	SDG No.: _			
Matrix: (soil/water) <u>WATER</u>		Lab Sampl	e ID: <u>A6B586</u>	08	
Sample wt	/vol: <u>5.00</u>) (g/mL) <u>ML</u>	Lab File	ID: <u>\$7515.</u>	RR	
Level:	(low/med) <u>LOW</u>		Date Samp	/Recv: <u>10/05/</u>	2006 10	0/05/2006
% Moistur	re: not dec	· -	Date Anal	yzed: <u>10/11/</u>	<u> 2006</u>	
GC Column	n: <u>DB-624</u> ID:	: <u>0.53</u> (mm)	Dilution	Factor: 5.	00	•
Soil Extr	act Volume:	(uL)	Soil Alic	quot Volume:		(uL)
Number TI	Cs found: _0		CONCENIRATI	ON UNITS: ug/Kg) <u>UG/L</u>	_	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	

Client No.

Lab Name: STL Buffalo Contract:		GW-3	
Lab Code: RECNY Case No.: SAS No.:	_ SDG No.:	-	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58601	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	S7508.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/200	06 10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/200	<u>)6</u>
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	4.00	
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume:	(uL)
	CONCENTRATION UNITS		
CAS NO. COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3Chloromethane			υ
74-83-9Bromomethane			υJ
/5-01-4VIIIyI CITIOFIGE		4	U
175-00-3Chloroethane	i i	4	U B R
75-09-2Methylene chloride		4	U ~
167-64-1Acetone			ت ح
75-15-0Carbon Disulfide			U
175-35-41,1-Dichloroethene	•		ប
75-34-31,1-Dichloroethane			U
67-66-3Chloroform	1		U
107-06-21,2-Dichloroethane			ប
78-93-32-Butanone	·		U
71-55-61,1,1-Trichloroethane			U
1 h h ? .	•		U
75-27-4Bromodichloromethane			ט
			ָ ט
10061-01-5cis-1,3-Dichloropropene			ע
79-01-6Trichloroethene		_	U
124-48-1Dibromochloromethane		4	ប
79-00-51,1,2-Trichloroethane		4	บ
71-43-2Benzene		4	ប
10061-02-6trans-1,3-Dichloropropene		4	U
75-25-2Bromoform_		4	U
108-10-14-Methyl-2-pentanone		20	บ
591-78-62-Hexanone		20	U
127-18-4Tetrachloroethene		4	ט
108-88-3Toluene		4	ט
79-34-51,1,2,2-Tetrachloroethane		4	บ
108-90-7Chlorobenzene		4	U
100-41-4Ethylbenzene		4	ט
100-42-5Styrene		4	ប
1330-20-7Total Xylenes		12	U
75-71-8Dichlorodifluoromethane		4	ע
75-69-4Trichlorofluoromethane		4	υ

Lab Name: STL Buffalo Contract:		GW-3		
Lab Code: RECNY Case No.: SAS No.:				•
tab code. Marie case no trib no				
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	<u>A6B5860</u>)1	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	<u>\$7508.</u> F	<u>R</u>	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2	2006 10/0	05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2	2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	:4.0	00	
Soil Extract Volume: (uL)	Soil Aliquot Vo	olume:	(1	ıL)
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q	
92_22_2Technology		4 4 4 4 4 4 4 4 4 4	ם ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buffalo Co	ntract:			₩-3 		
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.: _				
Matrix: (soil/water) WATER		Lab Sampl	e ID:	A6B58601		
Sample wt/vol: $\underline{5.00}$ (g/mL) \underline{M}	<u>L</u>	Lab File	ID:	S7508.RF	2	
Level: (low/med) <u>LOW</u>		Date Samp	/Recv:	10/05/20	006 10	/05/2006
% Moisture: not dec		Date Anal	yzed:	10/11/20	006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution	Factor:	4.00	<u>)</u>	
Soil Extract Volume: (uL)		Soil Aliq	uot Volu	me:		(uL)
Number TICs found:0	C	CONCENTRATI (ug/L or u	:			
CAS NO.	compound Name	RT	Est. C	Conc.	Q	

Client No.

·		TB-10-05-06
Lab Name: STL Buffalo Contrac	t:	
Lab Code: RECNY Case No.: SAS	No.: SDG No.:	·
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58610
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	S7517.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec Heated Purge:	N Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)

CONCENTRATION UNITS:

•		CONCENTRATION UNITS:				
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q		
74-87-3	Chloromethane		1	U		
	Bromomethane		1	UJ		
75-01-4	Vinyl chloride	·	1	U ,		
	Chloroethane		4	UR		
75-09-2	Methylene chloride		1	U		
67-64-1		·	5	v 5		
75-15-0	Carbon Disulfide		1	U		
75-35-4	1,1-Dichloroethene		1	์ [บ		
75-34-3	1,1-Dichloroethane		1	U		
	Chloroform		1	U		
107-06-2	1,2-Dichloroethane	·	1	U		
	2-Butanone		5	ע		
71-55-6	1,1,1-Trichloroethane		1	ע		
56-23-5	Carbon Tetrachloride		1	U		
75-27-4	Bromodichloromethane		. 1	U		
78-87-5	1,2-Dichloropropane		1	U		
10061-01-5	cis-1,3-Dichloropropene		1	U		
79-01-6	Trichloroethene		1	U		
124-48-1	Dibromochloromethane	·	1	ע		
79-00-5	1,1,2-Trichloroethane		1	ע		
71-43-2	Benzene		1	U		
10061-02-6	trans-1,3-Dichloropropene		1	U		
75-25-2	Bromoform		1	ע .		
108-10-1	4-Methyl-2-pentanone		, 5	ט		
b	2-Hexanone		5	ן ט		
127-18-4	Tetrachloroethene		1	U		
108-88-3	Toluene		1	ע		
	1,1,2,2-Tetrachloroethane		1	ប		
1	Chlorobenzene		1	U		
· ·	Ethylbenzene		1	U		
100-42-5	<u> </u>		1	υ		
	Total Xylenes		3	บ		
75-71-8	Dichlorodifluoromethane		1	Ū		
	Trichlorofluoromethane	***************************************	1	Ū		

T-1 37 000 D-50 3		TB-10-05-06
Lab Name: STL Buffalo Contract:		· · · · · · · · · · · · · · · · · · ·
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58610
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	S7517.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	
IOO OO O Terens elle annuncia		

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	: <u>STL Buffalo</u>	Contract:		TB-10-	05-06	
Lab Code:	: <u>RECNY</u> Case No.	: SAS No.:	SDG No.:			
Matrix:	(soil/water) <u>WATER</u>		Lab Samp	le ID: <u>A6B58</u>	610	
Sample wt	:/vol:) (g/mL) <u>ML</u>	Lab File	ID: <u>\$7517</u>	.RR	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/05</u>	<u>/2006</u> <u>1</u>	0/05/2006
% Moistur	re: not dec.	•	Date Ana	lyzed: <u>10/11</u>	/2006	
GC Colum	1: <u>DB-624</u> ID:	: <u>0.53</u> (mm)	Dilution	Factor: 1	.00	
Soil Extr	act Volume:	(uL)	Soil Alic	quot Volume: _		(uL)
Number TI	Cs found: _0		CONCENTRAT: (ug/L or t	ION UNITS: Ug/Kg) <u>UG/L</u>	<u></u>	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	

ANALYTICAL REPORT

Job#: <u>A06-B586</u>

STL Project#: NY4A9203

Site Name:

Task: Envirotech Site

Mark Hanish Blasland Bouck & Lee, Inc. 600 Waterfront Drive Pittsburgh, PA 15222

STL Buffalo

Candace L. Fox Project Manager

STL Buffalo Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
lowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

Sample Data Summary Package

SAMPLE SUMMARY

			SAMPLED		RECEIVE	ED CE
LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE	TIME_	DATE	TIME
A6B58602	ENV-1	WATER	10/05/2006	14:20	10/05/2006	17:40
A6B58603	ENV-3R	WATER			10/05/2006	
A6B58604	ENV-4	WATER			10/05/2006	
A6B58605	ENV-7	WATER			10/05/2006	
A6B58606	ENV-8	WATER			10/05/2006	
A6B58607	ENV-9	WATER			10/05/2006	
A6B58609	FB-10-05-06	WATER			10/05/2006	
A6B58608	FD-10-05-06	WATER			10/05/2006	
A6B58601	GW-3	WATER			10/05/2006	
A6B58601MS	GW-3	WATER			10/05/2006	
A6B58601SD	GW-3	WATER	10/05/2006	09:50	10/05/2006	
A6B58610	TB-10-05-06	WATER	10/05/2006		10/05/2006	17:40

METHODS SUMMARY

Job#: <u>A06-B586</u>

STL Project#: NY4A9203

Site Name:

 PARAMETER
 ANALYTICAL

 EPA ASP 2000 - METHOD 8260 VOLATILES
 ASP00 8260

References:

ASP00

"Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: A06-B586

STL Project#: <u>NY4A9203</u> Site Name:

General Comments

The enclosed data may or may not 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, Dissolved Oxygen, Sulfite, and Temperature 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

A06-B586

Sample Cooler(s) were received at the following temperature(s); 2.0 °C All samples were received in good condition.

GC/MS Volatile Data

The spike recovery of the analyte Chloroethane in the Matrix Spike and in the Matrix Spike Duplicate of sample GW-3 exceeded quality control limits. The Matrix Spike Blank recoveries were compliant, so no corrective action was performed.

Linear regression was used to calibrate the analytes Chloromethane, Methylene Chloride, Bromoform and 1,2-Dibromo-3-chloropropane that were greater than 15% RSD in the initial calibration standard curve A6I0001998-1. The %RSD of the analytes Bromomethane, Methyl Acetate and Acetone also exceeded 15% but they did not meet criteria for linear regression acceptability.

All samples were preserved to a pH less than 2.

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 data 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 hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Candace L. Fox

Project Manager

Date

Date: 10/24/2006 Time: 18:03:34

Dilution Log w/Code Information For Job A06-B586

8/246 Page

Rept: AN1266R

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	<u>Dilution</u>	<u>Code</u>
GW-3	A6B58601	8260	4.00	003
GW-3	A6B58601MS	8260	4.00	003
GW-3	A6B58601SD	8260	4.00	003
ENV-3R	A6B58603	8260	5.00	003
ENV-4	A6B58604	8260	5.00	003
ENV-7	A6B58605	8260	5.00	003
ENV-8	A6B58606	8260	5.00	003
ENV-9	A6B58607	8260	5.00	003
FD-10-05-06	A6B58608	8260	5.00	003

Dilution Code Definition:

002 - sample matrix effects

003 - excessive foaming

004 - high levels of non-target compounds

005 - sample matrix resulted in method non-compliance for an Internal Standard

006 - sample matrix resulted in method non-compliance for Surrogate

007 - nature of the TCLP matrix

008 - high concentration of target analyte(s)

009 - sample turbidity

010 - sample color

011 - insufficient volume for lower dilution

012 - sample viscosity

013 - other

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							
J. H. H. 22 12		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
ENV-1	A6B58602	SW8463	-	-	-	-	-	-
ENV-3R	A6B58603	SW8463	· <u>-</u>	_		-	-	-
ENV-4	A6B58604	SW8463	-	-	-	-	<u>.</u>	<u>-</u>
ENV-7	A6B58605	SW8463	-	-	-	-	-	-
ENV-8	A6B58606	SW8463	-	-	-	-	-	<u>-</u>
ENV-9	A6B58607	SW8463	-			-	-	_
FB-10-05-06	A6B58609	SW8463	-		_	-	-	•
FD-10-05-06	A6B58608	SW8463	-	<u>-</u>	<u>-</u>	-	_	-
GW-3	A6B58601	SW8463	-	_	<u>-</u>	-	<u>-</u>	-

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		
ENV-1	WATER	10/05/2006	10/05/2006	-	10/11/2006		
ENV-3R	WATER	10/05/2006	10/05/2006	-	10/11/2006		
ENV-4	WATER	10/05/2006	10/05/2006	<u>-</u>	10/11/2006		
ENV-7	WATER	10/05/2006	10/05/2006	-	10/11/2006		
ENV-8	WATER	10/05/2006	10/05/2006	-	10/11/2006		
ENV-9	WATER	10/05/2006	10/05/2006	-	10/11/2006		
FB-10-05-06	WATER	10/05/2006	10/05/2006	-	10/11/2006		
FD-10-05-06	WATER	10/05/2006	10/05/2006	-	10/11/2006		
GW-3	WATER	10/05/2006	10/05/2006	-	10/11/2006		

NYSDEC-2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LAB NAME: SEVERN IN	CENT LABOR	ATORIES, INC.			
SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
ENV-1	WATER	SW8463	-	AS REQUIRED	AS REQUIRED
ENV-3R	WATER	SW8463	-	AS REQUIRED	AS REQUIRED
ENV-4	WATER	SW8463	-	AS REQUIRED	AS REQUIRED
ENV-7	WATER	SW8463	-	AS REQUIRED	AS REQUIRED
ENV-8	WATER	SW8463	· -	AS REQUIRED	AS REQUIRED
ENV-9	WATER	SW8463	_	AS REQUIRED	AS REQUIRED
FB-10-05-06	WATER	SW8463	-	AS REQUIRED	AS REQUIRED
FD-10-05-06	WATER	SW8463	-	AS REQUIRED	AS REQUIRED
GW-3	WATER	SW8463	-	AS REQUIRED	AS REQUIRED

NYSDEC-6



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.

- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Name Cur Dissella	Claustines etc.		ENV-1
Lab Name: <u>STL Buffalo</u>	Contract:		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	-
Matrix: (soil/water) WATER		Lab Sample ID:	A6B58602
Sample wt/vol: $\underline{5.00}$ (g/mL) <u>ML</u>	Lab File ID:	S7509.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec Heat	ed Purge: N	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	.ume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg)		Q
74-87-3	Chloromethane		1	U
	Bromomethane	-	1	ט
	Vinyl chloride		1	ט
	Chloroethane		ī	lυ
	Methylene chloride		_ 1	Ū
67-64-1	4		· 5	U
	Carbon Disulfide		1	บ
	1,1-Dichloroethene		1	ϋ
	1,1-Dichloroethane		1	υ
	Chloroform		_ 1	ΙŪ
	1,2-Dichloroethane		1	Ū
	2-Butanone		- 5	Ū ·
	1,1,1-Trichloroethane		ĺ	Ū
	Carbon Tetrachloride		_ 1	Ū
	Bromodichloromethane		1	ϋ
	1,2-Dichloropropane		1	ט
	cis-1,3-Dichloropropene		1	ט
	Trichloroethene		1	ט
	Dibromochloromethane		1	U
	1,1,2-Trichloroethane		1	ט
71-43-2	<u></u>		. 1	ט
	trans-1,3-Dichloropropene		1	שו
	Bromoform		1	ט
	4-Methyl-2-pentanone		5	ט
	2-Hexanone		5	ט
	Tetrachloroethene		1	ש
	Toluene		1	υ
79-34-5	1,1,2,2-Tetrachloroethane		1	U
	Chlorobenzene		1	U
	Ethylbenzene		1	U
100-42-5		·	1	ប
	Total Xylenes		3	ប
	Dichlorodifluoromethane		1	ប
	Trichlorofluoromethane		1	TT

I ab Name	our Dyffala		Contract.		ENV	-1	
LaD Name:	SIL BULLATO		Contract:				
Lab Code:	: <u>RECNY</u> Cas	e No.:	SAS No.:	SDG No.:	·		
Matrix:	(soil/water) <u>W</u>	ATER		Lab Sample	e ID: <u>A6B5</u>	3602	
Sample wt	:/vol: _	5.00 (g/mL)	<u>ML</u>	Lab File :	ID: <u>\$750</u>	9.RR	_
Level:	(low/med) <u>L</u>	<u>OW</u>		Date Samp,	/Recv: <u>10/0</u>	5/2006 <u>10</u>	/05/2006
% Moistur	ce: not dec	Heate	d Purge: N	Date Analy	yzed: <u>10/1</u>	1/2006	
GC Column	n: <u>DB-624</u>	ID: <u>0.53</u> (t	mm)	Dilution 1	Factor:	1.00	
Soil Extr	ract Volume: _	(uL)		Soil Aliq	uot Volume:		(uL)
	CAS NO.	COMPOUND		CONCENTRATION (ug/L or ug/l		_ Q	
	156-60-5 1634-04-4 156-59-2 110-82-7 108-87-2 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8	-trans-1,2-Di- -Methyl-t-Bur- -cis-1,2-Dick- -Cyclohexane- -Methylcyclohexane- -1,2-Dibromo- -1,3-Dichlore- -1,4-Dichlore- -1,2-Dichlore- -1,2-Dibromo- -1,2,4-Trichi	ichloroethene tyl Ether (MIBE) nloroethene nexane ethane nzene obenzene obenzene -3-chloropropane lorobenzene)	1 1 1 1 1 1 1 1	ם ם ם ם ם ם ם ם ם ם ם	

					ENV-1		
Lab Name:	: STL Buffalo	Contract:		Ĺ			LL
Lab Code	: <u>RECNY</u> Case No.	.: SAS No.:	SDG No.: _				
Matrix:	(soil/water) <u>WATER</u>		Lab Sampl	e ID:	A6B5860	2	
Sample wt	z/vol: <u>5.00</u>	<u>)</u> (g/mL) <u>ML</u>	Lab File	ID:	<u>S7509.R</u>	R	
Level:	(low/med) <u>LOW</u>		Date Samp	/Recv:	10/05/2	<u>006</u> 10	0/05/200
% Moistu	re: not dec	-	Date Anal	yzed:	10/11/2	<u>006</u>	
GC Column	n: <u>DB-624</u> ID:	: <u>0.53</u> (mm)	Dilution	Factor:	1.0	<u>0</u>	
Soil Exti	ract Volume:	(uL)	Soil Aliq	uot Vol	ume:		(uL)
Number Ti	ICs found: 0		CONCENTRATI (ug/L or u				
	CAS NO.	Compound Name	RT	Est.	Conc.	Q	

Client No.

ENV-3R	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: A6B58603

Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$ Lab File ID: $\underline{\text{S7510.RR}}$

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/05/2006</u> <u>10/05/2006</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/11/2006

GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm) Dilution Factor: <u>5.00</u>

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENIRATION UNITS:

CAS NO. COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)		Q
74-87-3Chloromethane		5	U .
74-83-9Bromomethane		5	U
75-01-4Vinyl chloride		13	
75-00-3Chloroethane		5	U
75-09-2Methylene chloride		5	ט
67-64-1Acetone		25	U
75-15-0Carbon Disulfide		5	U
75-35-41,1-Dichloroethene		5	ע
75-34-31,1-Dichloroethane		17	
67-66-3Chloroform		5	U
107-06-21,2-Dichloroethane		5	ַ
78-93-32-Butanone		25	U
71-55-61,1,1-Trichloroethane		5	U
56-23-5Carbon Tetrachloride		5	U
75-27-4Bromodichloromethane		5	U
78-87-51,2-Dichloropropane		5	U
10061-01-5cis-1,3-Dichloropropene		5	U
79-01-6Trichloroethene		5	
124-48-1Dibromochloromethane		5	U
79-00-51,1,2-Trichloroethane_		5	U
71-43-2Benzene		5	U
10061-02-6trans-1,3-Dichloroprope	ene	5.	U
75-25-2Bromoform		5	U
108-10-14-Methyl-2-pentanone		25	U
591-78-62-Hexanone		25	U
127-18-4Tetrachloroethene		3	J
108-88-3Toluene		5	U
79-34-51,1,2,2-Tetrachloroetha	ne	5	Ū
108-90-7Chlorobenzene		5	ע
100-41-4Ethylbenzene		5	U
100-42-5Styrene		5	ע
1330-20-7Total Xylenes		15	U
75-71-8Dichlorodifluoromethane		5	U
75-69-4Trichlorofluoromethane		5	U

Tale Name (IIII Daffeela (Charless at		ENV-3	R	
Lab Name: STL Buffalo Contract:				
Lab Code: <u>RECNY</u> Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID	: <u>A6B586</u>	03	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	<u>\$7510.</u>	RR	
Level: (low/med) <u>LOW</u>	Date Samp/Rec	v: <u>10/05/</u>	2006 10/0	05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed	: 10/11/	2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Facto	or: <u>5.</u>	<u>00</u>	
Soil Extract Volume: (uL)	Soil Aliquot	Volume:	(1	ıΤ)
CAS NO. COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		5 5 5 22 5 5 5 5 5 5 5 5	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	

Lab Name:	: STL Buffalo	Contract:		E	NV-3R		
		.: SAS No.:		<u>.</u>			
Matrix:	(soil/water) <u>WATER</u>		Lab Sampl	le ID: <u>#</u>	A6B58603	3	
Sample wt	z/vol: <u>5.00</u>	<u>)</u> (g/mL) <u>ML</u>	Lab File	ID: §	57510.RI	R	_
Level:	(low/med) <u>LOW</u>		Date Sam	o/Recv: <u>1</u>	10/05/20	<u>006</u> 10	0/05/200
% Moistu	ce: not dec.	-	Date Anal	lyzed: <u>1</u>	10/11/20	006	
GC Column	n: <u>DB-624</u> ID	: <u>0.53</u> (mm)	Dilution	Factor: _	5.00	<u>0</u>	
Soil Exti	ract Volume:	(uL)	Soil Alio	quot Volum	me:		(uL)
Number Ti	ICs found: <u>0</u>		CONCENTRATION (ug/L or 1	_	_		
	CAS NO.	Compound Name	RT	Est. Co	onc.	Q	

Ish Name: CTT Diffale	Combined		ENV-4
Lab Name: <u>STL Buffalo</u>	Contract:	·	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID:	A6B58604
Sample wt/vol: $\underline{5.00}$ (g/mL)	ML	Lab File ID:	<u>S7511.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec Heated	d Purge: <u>N</u>	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (r	mm)	Dilution Factor:	5.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)

		CONCENTRATION	UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/F	(g) <u>UG/L</u>	Q
74-87-3	Chloromethane		5	U
	Bromomethane		5	ט
75-01-4	Vinyl chloride		5	ן ט
75-00-3	Chloroethane		5	ן ט
75-09-2	Methylene chloride		5	ן ט
67-64-1			25	ן ט
	Carbon Disulfide		5	U
75-35-4	1,1-Dichloroethene		5	υ
75-34-3	1,1-Dichloroethane		5	ן ט
67-66-3	Chloroform		5	ן טן
107-06-2	1,2-Dichloroethane		5	U
78-93-3	2-Butanone		25	ט
71-55-6	1,1,1-Trichloroethane		5	ן ט
56-23-5	Carbon Tetrachloride		5	ប
75-27-4	Bromodichloromethane		5	ן ט
78-87-5	1,2-Dichloropropane		5	บ
10061-01-5	cis-1,3-Dichloropropene		5	υ
	Trichloroethene	,,	. 5	ן ט
124-48-1	Dibromochloromethane		5	ן ט
79-00-5	1,1,2-Trichloroethane		5	ן ט
71-43-2	Benzene		5	ט
10061-02-6	trans-1,3-Dichloropropene		5	ן ט
75-25-2			5	ប
108-10-1	4-Methyl-2-pentanone		25	ט ו
	2-Hexanone		25	ן ט
127-18-4	Tetrachloroethene		5	ט
108-88-3	Toluene		5	ן ט
79-34-5	1,1,2,2-Tetrachloroethane		5	ן ט
	Chlorobenzene		5	ט ו
	Ethylbenzene		5	ט
100-42-5	Styrene		5	ט
	Total Xylenes		15	ט
	Dichlorodifluoromethane		5	ט
	Trichlorofluoromethane		5	ט ו

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Iah Name:	STT. Buffs	alo	Contract.		ENV-4		
Lab Name.	SIII DULLE	<u> </u>	Wilciact.				
Lab Code:	RECNY	Case No.:	SAS No.:	SDG No.: _	· · · · · · · · · · · · · · · · · · ·		
Matrix: (soil/water	c) <u>Water</u>		Lab Sample	ID: <u>A6B586</u>	04	
Sample wt	/vol:	5.00 (g/mL)	<u>ML</u>	Lab File II	S7511.	RR	
Level:	(low/med)	LOW		Date Samp/F	Recv: <u>10/05/</u>	<u> 2006</u> <u>10/0</u>)5/2006
% Moistur	e: not dec	c Heated	l Purge: <u>N</u>	Date Analyz	zed: <u>10/11/</u>	2006	
GC Column	: <u>DB-624</u>	ID: <u>0.53</u> (m	m)	Dilution Fa	actor:5.	00	
Soil Extr	act Volume	e: (uL)		Soil Alique	ot Volume:	(1	ıL)
	CAS NO.	COMPOUND		CONCENTRATION (ug/L or ug/Kg		Q	
	156-60-5 1634-04-4- 156-59-2 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1	1,1,2-Trichltrans-1,2-DiMethyl-t-ButCyclohexaneMethylcyclohexaneI,2-DibromoeI,3-Dichloro1,4-Dichloro1,2-Dibromoe	chloroethene cyl Ether (MIBE nloroethene nexane ethane nzene obenzene obenzene obenzene -3-chloropropan		5 5 5 6 5 5 5 5 5 5 5 5 5	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	

79-20-9-----Methyl acetate

	•				ENV-4			
Lab Name	: STL Buffalo	Contract:					٠	
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:					
Matrix:	(soil/water) <u>WATER</u>		Lab Samp.	le ID:	A6B5860	04		
Sample wt	:/vol: <u>5.00</u>	<u>)</u> (g/mL) <u>ML</u>	Lab File	ID:	<u> 87511.</u> I	RR		
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv:	10/05/2	2006 10	0/05/200	<u>)6</u>
% Moistu	re: not dec	-	Date Ana	lyzed:	10/11/2	2006		
GC Column	n: <u>DB-624</u> ID	:_0.53 (mm)	Dilution	Factor	:5.0	<u>00</u>		
Soil Exti	ract Volume:	(uL)	Soil Alio	quot Voi	lume:		(uL)	
Number T	ICs found: 0		CONCENTRAT: (ug/L or 1			_		
	CAS NO.	Compound Name	RT	Est.	Conc.	Q		
								

Client No.

r.1			ENV-7
Lab Name: STL Buffalo	Contract:		
Lab Code: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID:	A6B58605
Sample wt/vol: 5.0	<u>0</u> (g/mL) <u>ML</u>	Lab File ID:	S7512.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec.	_ Heated Purge: N	Date Analyzed:	10/11/2006

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

GC Column: $\underline{DB-624}$ ID: $\underline{0.53}$ (mm)

CONCENTRATION UNITS:

Dilution Factor: 5.00

<u> </u>	ug/L or ug/Kg)	<u>UG/L</u>	Q
74-87-3Chloromethane		5	U
74-83-9Bromomethane		5	U
75-01-4Vinyl chloride		100	1
75-00-3Chloroethane		5	ע
75-09-2Methylene chloride		5	ע
67-64-1Acetone		25	ט
75-15-0Carbon Disulfide		5	ע
75-35-41,1-Dichloroethene		5	ן ט
75-34-31,1-Dichloroethane		3	J
67-66-3Chloroform		5	ן ט
107-06-21,2-Dichloroethane		5	ע
78-93-32-Butanone		25	ע
71-55-61,1,1-Trichloroethane		5	ט
56-23-5Carbon Tetrachloride		5	ט
75-27-4Bromodichloromethane		5	ע
78-87-51,2-Dichloropropane		5	ע
10061-01-5cis-1,3-Dichloropropene		5	ט
79-01-6Trichloroethene		5	ט
124-48-1Dibromochloromethane		5	ע
79-00-51,1,2-Trichloroethane		5	ט
71-43-2Benzene		5	ע
10061-02-6trans-1,3-Dichloropropene		5	ן ט
75-25-2Bromoform		5	ט
108-10-14-Methyl-2-pentanone		25	ע
591-78-62-Hexanone		25	ן ט
127-18-4Tetrachloroethene		5	ט
108-88-3Toluene		5	บ
79-34-51,1,2,2-Tetrachloroethane		5	ע
108-90-7Chlorobenzene		5	U
100-41-4Ethylbenzene		5	U
100-42-5Styrene		5	U
1330-20-7Total Xylenes		15	U
75-71-8Dichlorodifluoromethane		5	U
75-69-4Trichlorofluoromethane		5	U

Client No.

(ab Namo, CTI Duffalo Contract.		ENV-7		
Lab Name: STL Buffalo Contract:		•		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	<u>A6B586</u>	05	
Sample wt/vol:5.00 (g/mL) ML	Lab File ID:	<u>S7512.</u>	RR	_
Level: (low/med) <u>LOW</u>	Date Samp/Recv	7: <u>10/05/</u>	2006 10	/05/2006
Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/	2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Facto	or:5.	<u>00</u>	
Soil Extract Volume: (uL)	Soil Aliquot V	Volume:	·	(uL)
CAS NO. COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene 79-20-9Methyl acetate		5 5 5 140 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	מממממממ מממ	

79-20-9-----Methyl acetate

Tah Nama.	CTT. Puffalo	Contract:			ENV-7	-	
Lan Name:	SIL DULIATO	Concrace:	-				
Lab Code:	<u>RECNY</u> Case No.	.: SAS No.:	SDG No.: _				
Matrix: ((soil/water) <u>WATER</u>		Lab Sampl	le ID:	A6B5860	5_	
Sample wt	:/vol: <u>5.00</u>	<u>)</u> (g/mL) <u>ML</u>	Lab File	ID:	<u>S7512.RI</u>	?	
Level:	(low/med) <u>LOW</u>		Date Samp	/Recv:	10/05/20	<u>006</u> <u>1</u>	0/05/2006
% Moistur	re: not dec	-	Date Anal	Lyzed:	10/11/20	006	
GC Column	n: <u>DB-624</u> ID:	: <u>0.53</u> (mm)	Dilution	Factor:	5.00	<u>0</u>	
Soil Extr	ract Volume:	(uL)	Soil Alic	quot Vol	lume:		(uL)
Number TI	Cs found: <u>0</u>		CONCENTRATI (ug/L or u				
:	CAS NO.	Compound Name	RT	Est.	Conc.	Q	

Client No.

			ENV-8
Lab Name: <u>STL Buffalo</u>	Contract:		
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	<u>A6B58606</u>
Sample wt/vol: 5.00	(g/mL) <u>ML</u>	Lab File ID:	S7513.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec	Heated Purge: N	Date Analyzed:	10/11/2006

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)

CONCENTRATION UNITS:

Dilution Factor: 5.00

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
	Chloromethane		5	υ
	Bromomethane		5	ע
75-01-4	Vinyl chloride		5	[ע
75-00-3	Chloroethane		5	ן ט
75-09-2	Methylene chloride		5	U
67-64-1			25	U
75-15-0	Carbon Disulfide		5	ן ט
75-35-4	1,1-Dichloroethene		5	U
75-34-3	1,1-Dichloroethane		5	ע
67-66-3	Chloroform		5	ע
	1,2-Dichloroethane		5	ע
78-93-3	2-Butanone		25	ע
71-55-6	1,1,1-Trichloroethane		5	ע
56-23-5	Carbon Tetrachloride		5	ע
75-27-4	Bromodichloromethane		5	ן ט
78-87-5	1,2-Dichloropropane		5	ן ט
10061-01-5	cis-1,3-Dichloropropene		5	ן ט
79-01-6	Trichloroethene		8	
124-48-1	Dibromochloromethane		5	ט
79-00-5	1,1,2-Trichloroethane		5	ן ט
71-43-2			5	ן ט
10061-02-6	trans-1,3-Dichloropropene	-	5	บ
	Bromoform		5	ן מן
108-10-1	4-Methyl-2-pentanone		25	U
591-78-6	2-Hexanone		25	ן ט
127-18-4	Tetrachloroethene		5	ן ט
108-88-3	Toluene		- 5	ן ט
79-34-5	1,1,2,2-Tetrachloroethane		5	ן מ
	Chlorobenzene		5	ן ט
	Ethylbenzene		5	ט
100-42-5			5	ן ט
1330-20-7	Total Xylenes		15	ט
	Dichlorodifluoromethane		5	ן ט
	Trichlorofluoromethane		5	ប

Client No.

Lab Name:	: STL Buffalo	Contract:		ENV-8		
Lab Code:	: <u>RECNY</u> Case	e No.: SAS No.: _	SDG No.: _			
Matrix:	(soil/water) <u>W</u>	<u>ATER</u>	Lab Sample	ID: <u>A6B586</u>	06	
Sample wt	:/vol: _	5.00 (g/mL) <u>ML</u>	Lab File ID	: <u>\$7513.1</u>	RR	
Level:	(low/med) <u>I</u>	<u>W</u>	Date Samp/R	ecv: <u>10/05/</u>	2006 <u>10/</u>	05/2006
% Moistur	re: not dec	Heated Purge: N	Date Analyz	ed: <u>10/11/</u>	2006	
GC Column	n: <u>DB-624</u>	ID: <u>0.53</u> (mm)	Dilution Fac	ctor:5.0	<u>00</u>	
Soil Extr	mact Volume: _	(uL)	Soil Aliquo	t Volume:		uL)
	CAS NO.	COMPOUND	CONCENIRATION U (ug/L or ug/Kg		Q	
	156-60-5 1634-04-4 156-59-2 110-82-7 108-87-2 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8	-1,1,2-Trichloro-1,2,2-tritrans-1,2-Dichloroethene -Methyl-t-Butyl Ether (MITcis-1,2-Dichloroethene -Cyclohexane -Methylcyclohexane -1,2-Dibromoethane -1,2-Dibromoethane -1,3-Dichlorobenzene -1,4-Dichlorobenzene -1,2-Dichlorobenzene -1,2-Dibromo-3-chloropropa	BE)	5 5 5 36 5 5 5 5 5 5 5	. טעט טעטעט טעטעט	

79-20-9-----Methyl acetate_

Iab Name: STI, Buffalo	Contract:		ENV-8		
Table: <u>DIL Barraro</u>	Concrace.				
Lab Code: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:	-		
Matrix: (soil/water) WATER		Lab Sample ID:	A6B5860	5	
Sample wt/vol: 5.00	0 (g/mL) <u>ML</u>	Lab File ID:	<u>S7513.RI</u>	R	
Level: (low/med) <u>LOW</u>		Date Samp/Recv	7: <u>10/05/2</u> 6	006 10/0	5/2006
% Moisture: not dec.	-	Date Analyzed:	10/11/20	006	
GC Column: <u>DB-624</u> ID	: <u>0.53</u> (mm)	Dilution Facto	or:5.00	<u> </u>	
Soil Extract Volume:	(uL)	Soil Aliquot V	olume:	(വ	(۲)
Number TICs found:0		CONCENTRATION UN (ug/L or ug/Kg)	_		
CAS NO.	Compound Name	RT Est	Conc.	Q	

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: <u>STL Buffalo</u> Contract:	ENV-9
Lab Code: <u>RECNY</u> Case No.: SAS No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A6B58607
Sample wt/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID: <u>S7514.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/05/2006</u> <u>10/05/2006</u>
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>10/11/2006</u>
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor: 5.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
75-01-4Vinyl chloride 75-00-3Chloroethane 75-09-2Methylene chloride	5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U

107-06-2----1,2-Dichloroethane

71-55-6----1,1,1-Trichloroethane

56-23-5-----Carbon Tetrachloride

75-27-4----Bromodichloromethane

10061-01-5---cis-1,3-Dichloropropene

78-87-5----1,2-Dichloropropane

124-48-1----Dibromochloromethane

108-10-1----4-Methyl-2-pentanone

79-00-5----1,1,2-Trichloroethane

10061-02-6---trans-1,3-Dichloropropene

79-01-6----Trichloroethene

71-43-2----Benzene

75-25-2----Bromoform

78-93-3----2-Butanone

Client No.

Inh Name, CIII Duffalo Contract.		ENV-9	
Lab Name: STL Buffalo Contract:			
Lab Code: RECNY Case No.: SAS No.:	SDG No.:		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58607	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	S7514.RR	<u> </u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006	10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	5.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	_	Q
1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane		5	

Client No.

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

- 1	com	~		ENV-9		
Lab Name:	: STL Buffalo	Contract:				
Lab Code:	: <u>RECNY</u> Case No.	: SAS No.:	SDG No.:			
Matrix:	(soil/water) <u>WATER</u>		Lab Sample	ID: <u>A6B586</u>	07	
Sample wt	:/vol:5.00) (g/mL) <u>ML</u>	Lab File ID	: <u>\$7514.</u>]	RR	_
Level:	(low/med) <u>LOW</u>		Date Samp/R	ecv: <u>10/05/</u>	2006 <u>10</u>	/05/2006
% Moistur	re: not dec	-	Date Analyz	ed: <u>10/11/</u>	2006	
GC Column	n: <u>DB-624</u> ID:	<u>0.53</u> (mm)	Dilution Fa	ctor:5.	<u>00</u>	
Soil Exti	ract Volume:	(uL)	Soil Aliquo	t Volume:		(uL)
Number T	ICs found: 0		CONCENTRATION (ug/L or ug/	-	_	
	CAS NO.	Compound Name	RT :	Est. Conc.	Q	

Client No.

FB-	1	0-0)5-	06	

Lab Name:	STL Buffa	alo	Contract:	-	
Lab Code:	RECNY	Case No.:	SAS No.:	SDG No.:	

Matrix: (soil/water) WATER Lab Sample ID: A6B58609

Sample wt/vol: <u>5.00</u> (g/mL) <u>ML</u> Lab File ID: <u>S7516.RR</u>

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/05/2006</u> <u>10/05/2006</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/11/2006

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

		CONCENTRATION	UNITS:		
CAS NO.	COMPOUND	(ug/L or ug/K	ġ) <u>I</u>	JG/L_	Q
	-Chloromethane			1	U
	-Bromomethane			1	ע
75-01-4	-Vinyl chloride			1	ע
75-00-3	-Chloroethane			1	ט
75-09-2	-Methylene chloride			1	ן ט
67-64-1	-Acetone			60	
75-15-0	-Carbon Disulfide			1	ן טן
75-35-4	-1,1-Dichloroethene			1	ט
75-34-3	-1,1-Dichloroethane			1	ט
67-66-3	-Chloroform			1	ט
107-06-2	-1,2-Dichloroethane			1	ט
78-93-3				9	
71-55-6	-1,1,1-Trichloroethane			1	ע
56-23-5	-Carbon Tetrachloride			1	U
75-27-4	-Bromodichloromethane			1	ט
	-1,2-Dichloropropane			1	ט
10061-01-5	-cis-1,3-Dichloropropene			1	ע
79-01-6	-Trichloroethene			1	ע
124-48-1	-Dibromochloromethane			1	U
	-1,1,2-Trichloroethane			1	ע
71-43-2	-Benzene			1	ע
10061-02-6	-trans-1,3-Dichloropropene			1	ע
75-25-2	-Bromoform			1	ט
108-10-1	-4-Methyl-2-pentanone			5	U
591-78-6				5	ע
127-18-4	-Tetrachloroethene			1	U
108-88-3				1	
	-1,1,2,2-Tetrachloroethane			1	U
108-90-7	-Chlorobenzene			1	U
	-Ethylbenzene			1	U
100-42-5	-Styrene			1	U
	-Total Xylenes			3	U
1	-Dichlorodifluoromethane			1	ט
75-69-4	-Trichlorofluoromethane			1	บ

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

		FB-10-0	5-06
Lab Name: STL Buffalo Contract:	***************************************		
Lab Code: RECNY Case No.: SAS No.:	_ SDG No.:	_	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58609	<u>) </u>
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	S7516.RR	<u>. </u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/20	06 10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/20	006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	:1.00	!
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q
76-13-11,1,2-Trichloro-1,2,2-triflux 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Wethylcyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		1 0.8 1 1 1 1 1 1 1	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט

79-20-9-----Methyl acetate_

			FB-10-09	5-06
Lab Name: <u>STL Buffalo</u>	Contract:		<u> </u>	
Lab Code: <u>RECNY</u> Case No.	: SAS No.:	SDG No.:		
Matrix: (soil/water) <u>WATER</u>		Lab Sample :	ID: <u>A6B5860</u>	09
Sample wt/vol: 5.00	(g/mL) <u>ML</u>	Lab File ID	: <u>\$7516.</u> I	RR
Level: (low/med) <u>LOW</u>		Date Samp/Re	ecv: <u>10/05/</u> 2	2006 10/05/200
% Moisture: not dec		Date Analyze	ed: <u>10/11/</u> 2	2006
GC Column: DB-624 ID:	0.53 (mm)	Dilution Fac	ctor:1.0	00
Soil Extract Volume:	(uL)	Soil Aliquo	t Volume:	(uL)
Number TICs found: <u>1</u>		CONCENTRATION (ug/L or ug/l	UNITS: Kg) <u>UG/L</u>	
CAS NO.	Compound Name	RT 1	Est. Conc.	Q

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	3.12	3	J

Client No.

FD-10-05-06

Lab Name: <u>STL Buffalo</u>	Contract:		
Lab Code: RECNY Case No.:	_ SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	<u>A6B58608</u>
Sample wt/vol: $\underline{5.00}$ (g/mL)) <u>ML</u>	Lab File ID:	S7515.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec Heate	ed Purge: N	Date Analyzed:	10/11/2006

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)

CONCENTRATION UNITS:

Dilution Factor: 5.00

74-87-3Chloromethane 5 U 74-83-9Bromomethane 5 U 75-01-4Vinyl chloride 5 U 75-00-3Chloroethane 5 U 75-09-2	CAS NO.	COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)		Q
75-01-4Vinyl chloride 75-00-3Chloroethane 75-09-2Methylene chloride 67-64-1Acetone 75-15-0Carbon Disulfide 75-35-41,1-Dichloroethane 75-34-31,1-Dichloroethane 75-34-31,1-Dichloroethane 76-66-3Chloroform 5 U 107-06-21,2-Dichloroethane 78-93-32-Butanone 71-55-61,1,1-Trichloroethane 76-23-5Carbon Tetrachloride 75-27-4Bromodichloromethane 78-87-51,2-Dichloropropane 79-01-6Trichloroethane 79-01-6Trichloroethane 79-01-6Trichloroethane 79-01-61,1,2-Trichloroethane 79-01-61,1,2-Trichloroethane 79-01-6Trichloroethane 79-01-61,1,2-Trichloroethane 79-01-61,1,2-Trichloroethane 79-01-61,1,2-Trichloroethane 79-01-61,1,2-Trichloroethane 79-01-1,1,2-Trichloroethane 79-01-1,1,2-Trichloroethane 79-01-1,1,2-Trichloroethane 79-01-1,1,2-Trichloroethane 79-01-1,1,2-Trichloroethane 79-01-1,1,2-Trichloroethane 79-01-1,1,2-Trichloroethane 79-01-1,1,2-Trichloroethane 79-01-1,1,2-Trichloroethane 75-01-1,1,2-Tetrachloroethane 75-01-1,1,2-Tetrachloroethane 75-01-1,1,2,2-Tetrachloroethane	74-87-3	Chloromethane		5	บ
75-00-3Chloroethane 5 U 75-09-2Methylene chloride 5 U 67-64-1	74-83-9	Bromomethane		5	U
75-00-3Chloroethane 5 U 75-09-2Methylene chloride 5 U 67-64-1Acetone 25 U 75-15-0	75-01-4	Vinyl chloride		5	U .
75-09-2Methylene chloride 67-64-1Acetone 75-15-0Carbon Disulfide 75-35-41,1-Dichloroethene 75-34-31,1-Dichloroethane 75-34-31,1-Dichloroethane 75-35-41,1-Dichloroethane 75-34-32-Butanone 76-66-3Carbon Tetrachloride 78-93-3			*	5	ַ
67-64-1Acetone 25 U 75-15-0Carbon Disulfide 5 U 75-35-41,1-Dichloroethene 5 U 67-66-3Chloroform 5 U 67-66-3Chloroform 5 U 107-06-21,2-Dichloroethane 5 U 78-93-32-Butanone 25 U 71-55-61,1,1-Trichloroethane 5 U 56-23-5Carbon Tetrachloride 5 U 75-27-4Bromodichloromethane 5 U 75-27-4	75-09-2	Methylene chloride			ប
75-35-41,1-Dichloroethene 5 U 75-34-31,1-Dichloroethane 5 U 67-66-3				25	U
75-34-31,1-Dichloroethane 5 U 67-66-3Chloroform 5 U 107-06-21,2-Dichloroethane 5 U 78-93-32-Butanone 25 U 71-55-61,1,1-Trichloroethane 5 U 56-23-5Carbon Tetrachloride 5 U 75-27-4Bromodichloromethane 5 U 78-87-51,2-Dichloropropane 5 U 10061-01-5cis-1,3-Dichloropropene 5 U 79-01-6Trichloroethane 5 U 79-01-51,1,2-Trichloroethane 5 U 79-00-51,1,2-Trichloroethane 5 U 7061-02-6trans-1,3-Dichloropropene 5 U 707-18Benzene 5 U 108-10-1	75-15-0	Carbon Disulfide		5	U
67-66-3Chloroform 5 U 107-06-21,2-Dichloroethane 5 U 78-93-32-Butanone 25 U 71-55-61,1,1-Trichloroethane 5 U 56-23-5Carbon Tetrachloride 5 U 75-27-4Bromodichloromethane 5 U 78-87-51,2-Dichloropropane 5 U 10061-01-5cis-1,3-Dichloropropene 5 U 79-01-6Trichloroethene 5 U 124-48-1Dibromochloromethane 5 U 79-00-51,1,2-Trichloroethane 5 U 10061-02-6trans-1,3-Dichloropropene 5 U 10061-02-6trans-1,3-Dichloropropene 5 U 108-10-1	75-35-4	1,1-Dichloroethene		5	U
107-06-21,2-Dichloroethane 5 U 78-93-32-Butanone 25 U 71-55-61,1,1-Trichloroethane 5 U 56-23-5Carbon Tetrachloride 5 U 75-27-4Bromodichloromethane 5 U 78-87-51,2-Dichloropropane 5 U 10061-01-5cis-1,3-Dichloropropene 5 U 79-01-6Trichloroethene 5 U 124-48-1Dibromochloromethane 5 U 79-00-51,1,2-Trichloroethane 5 U 79-00-51,1,2-Trichloroethane 5 U 1061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 108-88-3Toluene 5 U 79-34-51,1,2,2-Tetrachloroethane 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15<	75-34-3	1,1-Dichloroethane		5	שׁ
78-93-32-Butanone 25 U 71-55-61,1,1-Trichloroethane 5 U 56-23-5Carbon Tetrachloride 5 U 75-27-4Bromodichloromethane 5 U 78-87-51,2-Dichloropropane 5 U 10061-01-5cis-1,3-Dichloropropene 5 U 79-01-6Trichloroethene 5 U 79-01-6Trichloroethane 5 U 79-01-51,1,2-Trichloroethane 5 U 79-00-51,1,2-Trichloroethane 5 U 71-43-2Benzene 5 U 10061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 108-88-3Toluene 5 U 79-34-51,1,2,2-Tetrachloroethane 5 U 108-90-7Chlorobenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5	67-66-3	Chloroform		5	U
71-55-61,1,1-Trichloroethane 5 U 56-23-5Carbon Tetrachloride 5 U 75-27-4Bromodichloromethane 5 U 78-87-51,2-Dichloropropane 5 U 10061-01-5cis-1,3-Dichloropropene 5 U 79-01-6Trichloroethane 5 U 79-01-51,1,2-Trichloroethane 5 U 79-02-51,1,2-Trichloroethane 5 U 10061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 108-88-3Toluene 5 U 79-34-51,1,2,2-Tetrachloroethane 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	107-06-2	1,2-Dichloroethane		5	U
56-23-5Carbon Tetrachloride 5 U 75-27-4Bromodichloromethane 5 U 78-87-51,2-Dichloropropane 5 U 10061-01-5cis-1,3-Dichloropropene 5 U 79-01-6Trichloroethene 5 U 124-48-1Dibromochloromethane 5 U 79-00-51,1,2-Trichloroethane 5 U 71-43-2Benzene 5 U 10061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 107-18-42-Hexanone 25 U 108-88-3Toluene 5 U 108-88-3Toluene 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	78-93-3	2-Butanone		25	lυ
75-27-4	71-55-6	1,1,1-Trichloroethane		5	U
78-87-51,2-Dichloropropane 5 U 10061-01-5cis-1,3-Dichloropropene 5 U 79-01-6Trichloroethene 5 U 124-48-1Dibromochloromethane 5 U 79-00-51,1,2-Trichloroethane 5 U 71-43-2Benzene 5 U 10061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 127-18-4Tetrachloroethene 5 U 108-88-3Toluene 5 U 79-34-5Toluene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	56-23-5	Carbon Tetrachloride		5	U
10061-01-5cis-1,3-Dichloropropene 5 U 79-01-6Trichloroethene 5 U 124-48-1Dibromochloromethane 5 U 79-00-51,1,2-Trichloroethane 5 U 71-43-2Benzene 5 U 10061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 127-18-4Tetrachloroethene 5 U 108-88-3Toluene 5 U 79-34-5Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	75-27-4	Bromodichloromethane		5	U
10061-01-5cis-1,3-Dichloropropene 5 U 79-01-6Trichloroethene 5 U 124-48-1Dibromochloromethane 5 U 79-00-51,1,2-Trichloroethane 5 U 71-43-2Benzene 5 U 10061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 127-18-4Tetrachloroethene 5 U 108-88-3Toluene 5 U 79-34-5Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	78-87-5	1,2-Dichloropropane			U
124-48-1Dibromochloromethane 5 U 79-00-51,1,2-Trichloroethane 5 U 71-43-2Benzene 5 U 10061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 127-18-4Tetrachloroethene 5 U 108-88-3Toluene 5 U 79-34-51,1,2,2-Tetrachloroethane 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	10061-01-5	cis-1,3-Dichloropropene		5	U
79-00-51,1,2-Trichloroethane 5 U 71-43-2Benzene 5 U 10061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 127-18-4Tetrachloroethene 5 U 108-88-3Toluene 5 U 79-34-51,1,2,2-Tetrachloroethane 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	79-01-6	Trichloroethene	***************************************	5	U
71-43-2Benzene 5 U 10061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 127-18-4Tetrachloroethene 5 U 108-88-3Toluene 5 U 79-34-5Chlorobenzene 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	124-48-1	Dibromochloromethane	*	5	U
10061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 127-18-4Tetrachloroethene 5 U 108-88-3Toluene 5 U 79-34-5Chlorobenzene 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	79-00-5	1,1,2-Trichloroethane	,	5	U
10061-02-6trans-1,3-Dichloropropene 5 U 75-25-2Bromoform 5 U 108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 127-18-4Tetrachloroethene 5 U 108-88-3Toluene 5 U 79-34-5Chlorobenzene 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	71-43-2	Benzene		5	U
108-10-14-Methyl-2-pentanone 25 U 591-78-62-Hexanone 25 U 127-18-4Tetrachloroethene 5 U 108-88-3Toluene 5 U 79-34-51,1,2,2-Tetrachloroethane 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	10061-02-6	trans-1,3-Dichloropropene		5	U
591-78-62-Hexanone 25 U 127-18-4Tetrachloroethene 5 U 108-88-3Toluene 5 U 79-34-51,1,2,2-Tetrachloroethane 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	75-25-2	Bromoform		5	U
127-18-4Tetrachloroethene 5 U 108-88-3Toluene 5 U 79-34-51,1,2,2-Tetrachloroethane 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	108-10-1	4-Methyl-2-pentanone		25	ប
108-88-3Toluene 5 U 79-34-51,1,2,2-Tetrachloroethane 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	591-78-6	2-Hexanone		25	U
79-34-51,1,2,2-Tetrachloroethane 5 U 108-90-7Chlorobenzene 5 U 100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	127-18-4	Tetrachloroethene		5	U
100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	108-88-3	Toluene		5	U
100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U	79-34-5	1,1,2,2-Tetrachloroethane		5	U
100-41-4Ethylbenzene 5 U 100-42-5Styrene 5 U 1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U				5	U
1330-20-7Total Xylenes 15 U 75-71-8Dichlorodifluoromethane 5 U				5.	U
75-71-8Dichlorodifluoromethane 5 U					U
				15	U
75-69-4Trichlorofluoromethane 5 U	75-71-8	Dichlorodifluoromethane		5	ប
	75-69-4	Trichlorofluoromethane		5	U

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

·			FD-10-	-05-06	
Lab Name: STL Buffal	o Contract:		,		
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.: _	·		
Matrix: (soil/water)	WATER	Lab Sample	ID: <u>A6B5860</u>	08	
Sample wt/vol:		Lab File II	S7515.F	RR	
Level: (low/med)	LOW	Date Samp/R	ecv: <u>10/05/2</u>	2006 10/05/20	006
% Moisture: not dec.	Heated Purge: N	Date Analyz	ed: <u>10/11/2</u>	2006	
GC Column: <u>DB-624</u>	ID: <u>0.53</u> (mm)	Dilution Fa	ctor:5.(00	
Soil Extract Volume:	(uL)	Soil Alique	ot Volume:	(uL)	
CAS NO.	COMPOUND	CONCENTRATION U (ug/L or ug/Kg		Q	
156-60-5 1634-04-4 156-59-2 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8	1,1,2-Trichloro-1,2,2-triflutrans-1,2-DichloroetheneMethyl-t-Butyl Ether (MTBE)cis-1,2-DichloroetheneCyclohexaneMethylcyclohexane1,2-DibromoethaneIsopropylbenzene1,3-Dichlorobenzene1,4-Dichlorobenzene1,2-Dichlorobenzene1,2-Dichlorobenzene1,2-Dichlorobenzene1,2-Dibromo-3-chloropropane1,2,4-Trichlorobenzene		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0 0 0 0 0 0 0 0 0	

						FD-10-05	-06	
Lab Name:	: STL Buffalo	Con	tract:					
Lab Code:	: <u>RECNY</u> Case No.	.:	SAS No.:	SDG No.: _				
Matrix:	(soil/water) <u>WATER</u>			Lab Samp]	le ID:	A6B5860	8	
Sample wt	:/vol:	0 (g/mL) <u>M</u>	i	Lab File	ID:	<u>S7515.R</u>	R	
Level:	(low/med) <u>LOW</u>			Date Samp	p/Recv:	10/05/2	<u>006</u> <u>1</u>	0/05/2006
% Moisture: not dec			Date Anal	lyzed:	10/11/2	<u>006</u>		
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)			Dilution	Factor	:5.0	<u>0</u>		
Soil Extract Volume: (uL)			Soil Alic	quot Vo	lume:		(uL)	
Number TICs found:0			CONCENTRATI (ug/L or 1	_				
	CAS NO.	Cc	mpound Name	RT	Est.	Conc.	Q	

Lab Name: STL Buffalo	Contract:		GW-3
LAD Name. SILI BULLATO	CONCIACE:	· ·	
Lab Code: RECNY Case No.	.: SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A6B58601
Sample wt/vol: 5.00	<u>)</u> (g/mL) <u>ML</u>	Lab File ID:	S7508.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec.	_ Heated Purge: N	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID:	<u>0.53</u> (mm)	Dilution Factor:	4.00
Soil Extract Volume:	_ (uL)	Soil Aliquot Vol	.ume: (uL)

co	NCENTR	ATION	UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		4	U
74-83-9	Bromomethane		4	ַט
75-01-4	Vinyl chloride		4	ט
	Chloroethane		4	ט
75-09-2	Methylene chloride		4	บ
67-64-1			20	U
75-15-0	Carbon Disulfide		4	U
75-35-4	1,1-Dichloroethene		4	U
	1,1-Dichloroethane		4	lυ
	Chloroform		4	שו
107-06-2	1,2-Dichloroethane		4	שו
	2-Butanone		20	U
	1,1,1-Trichloroethane		4	U
	Carbon Tetrachloride		4	U
75-27-4	Bromodichloromethane		4	ש
78-87-5	1,2-Dichloropropane		4	U
10061-01-5-	cis-1,3-Dichloropropene		4	שׁ
	Trichloroethene		4	U
124-48-1	Dibromochloromethane		4	U
79-00-5	1,1,2-Trichloroethane		4	U
71-43-2	Benzene		4	U
10061-02-6-	trans-1,3-Dichloropropene		4	U
	Bromoform		4	U
108-10-1	4-Methyl-2-pentanone		20	U
591-78-6	2-Hexanone		20	U
127-18-4	Tetrachloroethene		4	U
108-88-3	Toluene		4	U
79-34-5	1,1,2,2-Tetrachloroethane		4	U
108-90-7	Chlorobenzene		4	U
100-41-4	Ethylbenzene		4	U
100-42-5	Styrene		4	U
1330-20-7	Total Xylenes		12	שׁ
75-71-8	Dichlorodifluoromethane		4	ט
75-69-4	Trichlorofluoromethane		4	ש

. 1		GW-3		
Lab Name: STL Buffalo Contract:	 			
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	_		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	<u>A6B58601</u>		
Sample wt/vol: $\underline{5.00}$ (g/mL) \underline{ML}	Lab File ID:	<u> S7508.RR</u>	-	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/20	06 10/0	5/2006
Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/20	06	
SC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	:4.00		
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume:	(ı	ıL)
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cyclohexane 110-82-7Methylcyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		4 4 4 4 4 4 4 4 4 4	ממממממממממממ	

						GW-3		
Lab Name:	: STL Buffalo	Contract:	***************************************		i.			
Lab Code:	: <u>RECNY</u> Case No.	: SAS N	lo.:	SDG No.: _	 			
Matrix:	(soil/water) <u>WATER</u>			Iab Sampl	e ID:	A6B5860	01	
Sample wt	t/vol: <u>5.00</u>) (g/mL) <u>ML</u>		Lab File	ID:	S7508.R	R	
Level:	(low/med) <u>LOW</u>			Date Samp	/Recv:	10/05/2	006 10	/05/200
% Moisture: not dec				Date Anal	yzed:	10/11/2	006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)				Dilution	Factor:	4.0	<u>00</u>	
Soil Extract Volume: (uL)				Soil Aliquot Volume: (uL)				(uL)
Number TICs found:0			C	ONCENTRATI (ug/L or u		_		
	CAS NO.	Compound	l Name	RT	Est.	Conc.	Q	
	· · · · · · · · · · · · · · · · · · ·							

Client No.

TB-10-05-06

Lab Name: STL Buffalo	Contract:		
Test Testing.	concrace.		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	•
Matrix: (soil/water) WATER		Lab Sample ID:	A6B58610
Sample wt/vol: $\underline{5.00}$ (g/mL)	<u>ML</u>	Lab File ID:	S7517.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec Heate	ed Purge: <u>N</u>	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ıme: (ııT.)

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q 74-87-3-----Chloromethane 1 U 74-83-9-----Bromomethane 1 U 75-01-4-----Vinyl chloride 1 U 75-00-3-----Chloroethane

74-83-9Bromomethane	1 1	บ	
75-01-4Vinyl chloride	1	υ	
75-00-3Chloroethane	1 1	υ	
75-09-2Methylene chloride	1	ן ט	
67-64-1Acetone	5	ט	
75-15-0Carbon Disulfide	1	บ	
75-35-41,1-Dichloroethene	1	บ	
75-34-31,1-Dichloroethane	1	ט	
67-66-3Chloroform	1	υ	
107-06-21,2-Dichloroethane	1	υ	
78-93-32-Butanone	5	บ	
71-55-61,1,1-Trichloroethane	1	บ	
56-23-5Carbon Tetrachloride	1	ע	
75-27-4Bromodichloromethane	1	ט	
78-87-51,2-Dichloropropane	1	ן ט	
10061-01-5cis-1,3-Dichloropropene	1	ט	
79-01-6Trichloroethene	1	ן ט	
124-48-1Dibromochloromethane	1	ט	
79-00-51,1,2-Trichloroethane	1	ט	
71-43-2Benzene	1	ט	
10061-02-6trans-1,3-Dichloropropene	1	ט	
75-25-2Bromoform	1	ן - ט	
108-10-14-Methyl-2-pentanone	5	ט [
591-78-62-Hexanone	5	ט	
127-18-4Tetrachloroethene	1	บ	
108-88-3Toluene	1	บ	
79-34-51,1,2,2-Tetrachloroethane	1	บ	
108-90-7Chlorobenzene	1	บ	
100-41-4Ethylbenzene	1	Մ	
100-42-5Styrene	1	บ	
1330-20-7Total Xylenes	3	U	
75-71-8Dichlorodifluoromethane	1	บ	
75-69-4Trichlorofluoromethane	1	บ	

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

TB-10-05-06 Lab Name: <u>STL Buffalo</u> Contract: ____ Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____ Matrix: (soil/water) WATER Lab Sample ID: A6B58610 Sample wt/vol: $\underline{5.00}$ (g/mL) \underline{ML} Lab File ID: S7517.RR Level: (low/med) LOW Date Samp/Recv: <u>10/05/2006</u> <u>10/05/2006</u> % Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/11/2006 GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm) Dilution Factor: ____1.00 Soil Aliquot Volume: _____ (uL) Soil Extract Volume: ____ (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) <u>UG/L</u> Q 76-13-1----1,1,2-Trichloro-1,2,2-trifluoroethane 1 U 1 U 156-60-5----trans-1,2-Dichloroethene 1634-04-4----Methyl-t-Butyl Ether (MTBE) 1 U U 156-59-2----cis-1,2-Dichloroethene 1 110-82-7-----Cyclohexane 1 U 108-87-2----Methylcyclohexane 1 U 106-93-4----1,2-Dibromoethane 1 U 98-82-8-----Isopropylbenzene 1 U 1 541-73-1----1,3-Dichlorobenzene U 1 U 106-46-7----1,4-Dichlorobenzene 95-50-1----1,2-Dichlorobenzene 1 U 96-12-8----1,2-Dibromo-3-chloropropane 1 U 120-82-1----1,2,4-Trichlorobenzene 1 U

79-20-9-----Methyl acetate

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

CAS N	ю.	Compound Name	RT	Est. Conc	. Q	
Number TICs found: _	_0		CONCENTRAT	ION UNITS: ug/Kg) <u>UC</u>	<u> </u>	, ·
Soil Extract Volume:	: (uL)		Soil Alio	quot Volume:		_ (uL)
GC Column: <u>DB-624</u>	ID: <u>0.53</u>	(mm)	Dilution	Factor:	1.00	
% Moisture: not dec.	•		Date Ana	lyzed: <u>10/</u>	<u>/11/2006</u>	
Level: (low/med)	LOW		Date Sam	p/Recv: <u>10/</u>	<u>/05/2006</u> 1	L0/05/200
Sample wt/vol:	<u>5.00</u> (g/mL) <u>ML</u>	Lab File	ID: <u>\$75</u>	517.RR	<u>_</u>
Matrix: (soil/water)	WATER		Lab Samp	le ID: A6E	358610	
Lab Code: <u>RECNY</u> (Case No.:	SAS No.:	SDG No.:			
Lab Name: <u>STL Buffa</u>	<u>lo</u>	Contract:	-	[10-05-06	
				1118-1	0-05-06	I

EPA ASP 2000 - METHOD 8260 VOLATILES WATER SURROGATE RECOVERY

Lab Name: <u>STL Buffalo</u>		Contract:	Contract:				
Lab Code: RECNY	Case No.:	SAS No.:	SDG No.:				

							·				$\overline{}$
	Client Sample ID	Lab Sample ID		DCE %REC #	TOL %REC #			:			TOT OUT
			======	======	======	======	======	======	======	======	===
1	ENV-1	A6B58602	94	123	103						ا ہ ا
2	ENV-3R	A6B58603	94	122	102	İ					0
3	ENV-4	A6B58604	91	122	101]					0
4	ENV-7	A6B58605	91	121	99						0
5	ENV-8	A6B58606	96	128	107						0
6	ENV-9	A6B58607	95	128	104						0
7	FB-10-05-06	A6B58609	94	127	103						0
8	FD-10-05-06	A6B58608	95	128	104						0
9	GW-3	A6B58601	93	121	101						0
10	GW-3	A6B58601MS	98	125	104						0
11	GW-3	A6B58601SD	94	120	100						0
12	MSB21	A6B2803601	114	82	88				ļ		0
13	TB-10-05-06 ₂	A6B58610	94	128	103						0
14	VBLK21	A6B2803602	118	88	92		[0
15	Volatile Holding Blk	A6B58611	- 87	120	97			1			0
			1	l	l	L	1				

QC LIMITS

BFB = p-Bromofluorobenzene (73-120) (72-143) (76-122) DCE 1,2-Dichloroethane-D4 TOL = Toluene-D8

[#] Column to be used to flag recovery values* Values outside of contract required QC limits

D Surrogates diluted out

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: <u>STL Buffalo</u>	Contract:	Lab Samp ID: <u>A6B2803602</u>
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Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

 ${\tt Matrix~Spike~-~Client~Sample~No.:~\underline{VBLK21}}$

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Acetone	125	146	117	56 - 142
Benzene	25.0	26.1	104	71 - 124
Bromodichloromethane	25.0	26.8	107	60 - 130
Bromoform —	25.0	21.4	86	66 - 128
Bromomethane	25.0	23.3	93	36 - 150
2-Butanone	125	132	106	57 - 140
Carbon Disulfide	25.0	22.3	90	59 - 134
Carbon Tetrachloride	25.0	27.4	110	72 - 134
Chlorobenzene	25.0	24.0	96	72 - 120
Chloroethane	25.0	31.3	126	69 - 136
Chloroform	25.0	26.7	107	73 - 127
Chloromethane	25.0	29.6	118	49 - 142
Cyclohexane	25.0	25.0	100	70 - 130
Dibromochloromethane	25.0	24.8	99	75 - 125
1,2-Dibromo-3-chlorop(1)	25.0	24.6	99	56 - 134
1,2-Dibromoethane	25.0	24.2	97	77 - 120
1,2-Dichlorobenzene	25.0	22.8	91	77 - 120
1,3-Dichlorobenzene	25.0	22.5	90	77 - 119
1,4-Dichlorobenzene	25.0	22.5	90	75 - 119
Dichlorodifluoromethane	25.0	23.5	94	33 - 157
1,1-Dichloroethane	25.0	27.0	108	71 - 129
1,2-Dichloroethane	25.0	27.6	110	75 - 127
1,1-Dichloroethene	25.0	25.8	103	65 - 138
cis-1,2-Dichloroethene	25.0	26.0	104	74 - 124
trans-1,2-Dichloroethene	25.0	26.1	105	73 - 127
1,2-Dichloropropane	25.0	27.0	108	76 - 120
cis-1,3-Dichloropropene	25.0	25.6	103	74 - 124
trans-1,3-Dichloropro(2)	25.0	23.5	94	72 - 123
Ethylbenzene	25.0	24.3	98	77 - 123
2-Hexanone	125	123	98	65 - 127
Isopropylbenzene	25.0	23.7	95	77 - 122
Methyl acetate	25.0	27.3	109	60 - 140
Methylcyclohexane	25.0	22.9	92	60 - 140
Methylene chloride	25.0	26.9	108	57 - 132
4-Methyl-2-pentanone	125	122	98	48 - 156
Styrene	25.0	23.9	96	70 - 130
1,1,2,2-Tetrachloroet(3)			97	
Tetrachloroethene	25.0	24.1		70 - 126
	25.0	23.5	94	74 - 122
Toluene	25.0	23.7	95 07	70 - 122
1,2,4-Trichlorobenzene_	25.0	21.7	87	70 - 122
1,1,1-Trichloroethane	25.0	26.3	106	73 - 126
1,1,2-Trichloroethane	25.0	24.3	98	76 - 122
Trichloroethene	25.0	26.4	106	74 - 123
Trichlorofluoromethane	25.0	27.3	109	62 - 152
Vinyl chloride	25.0	26.4	106	65 - 133
Total Xylenes	75.0	72.5	97	.76 - 122

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: <u>STL Buffalo</u>	Contract: Lab Sam			p ID: <u>A6B</u>	2803602	
Lab Code: <u>RECNY</u> Case No	o.:	SAS No.:	SDG No.:			
Matrix Spike - Client Sampl	le No.: <u>VBLK21</u>					
COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.		
Methyl-t-Butyl Ether (4)	25.0	22.6	91	64 - 127		
 (1) 1,2-Dibromo-3-chloropro (2) trans-1,3-Dichloroprope (3) 1,1,2,2-Tetrachloroetha (4) Methyl-t-Butyl Ether (Methyl-t-Butyl Ether) 	ene ane					
# Column to be used to flag	g recovery and Ri	PD values with ar	n asteri	sk		
* Values outside of QC limi	lts					
Spike recovery:0 out o	of <u>47</u> outside	limits				
Comments:						

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	STL Buffalo	Contract:	Lab	Samp	ID:	A6B58601

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix Spike - Client Sample No.: GW-3

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION	MS	MS	QC
COMPOUND		CONCENTRATION	CONTOURNITION THE CONT		-
COMPOUND	UG/L		CONCENTRATION	%	LIMITS
=======================================		UG/L	UG/L	REC #	REC.
I				=====	=======================================
Acetone	500	0	505	101	56 - 142
Benzene	100	0	109	110	71 - 124
Bromodichloromethane	100	0	115	116	60 - 130
Bromoform_	100	0	90.7	91	66 - 128
Bromomethane	100	0	81.7	82	36 - 150
2-Butanone	500	0	579	116	57 - 140
Carbon Disulfide	100	0	96.2	96	59 - 134
Carbon Tetrachloride	100	0	115	115	72 - 134
Chlorobenzene	100	0	102	102	72 - 120
Chloroethane	100	0	166	166 *	69 - 136
Chloroform	100	0	116	117	73 - 127
Chloromethane	100	0	122	122	49 - 142
Cyclohexane	100	0	104	105	70 - 130
Dibromochloromethane	100	0	107	108	75 - 125
1,2-Dibromo-3-chlorop(1)	100	0	94.6	95	56 - 134
1,2-Dibromoethane	100	0	104	104	77 - 120
1,2-Dichlorobenzene	100	0	96.1	96	77 - 120
1,3-Dichlorobenzene	100	0	93.2	93	77 - 119
1,4-Dichlorobenzene	100	0	92.3	92	75 - 119
Dichlorodifluoromethane_	100	0	88.5	88	33 - 157
1,1-Dichloroethane	100	0	114	115	71 - 129
1,2-Dichloroethane	100	0	124	124	75 - 127
1,1-Dichloroethene	100	0	105	105	65 - 138
cis-1,2-Dichloroethene	100	0	110	110	74 - 124
trans-1,2-Dichloroethene	100	0	109	109	73 - 127
1,2-Dichloropropane	100	. 0	115	116	76 - 120
cis-1,3-Dichloropropene_	100	0	100	101	74 - 124
trans-1,3-Dichloropro(2)	100	0	93.6	94	72 - 123
Ethylbenzene	100	0	100	101	77 - 123
2-Hexanone	500	0	547	109	65 - 127
Isopropylbenzene	100	0	94.5	94	77 - 122
Methyl acetate	100	0	117	117	60 - 140
Methylcyclohexane	100	0	94.1	94	60 - 140
Methylene chloride	100	0	118	118	57 - 132
4-Methyl-2-pentanone	500	0	548	110	48 - 156
Styrene	100	0	100	101	70 - 130
1,1,2,2-Tetrachloroet(3)	100	0	102	102	70 - 126
Tetrachloroethene	100	0	94.7	95	74 - 122
Toluene	100	0	98.4	98	70 - 122
1,2,4-Trichlorobenzene	100	0	84.2	84	70 - 122
1,1,1-Trichloroethane	100	0	110	111	73 - 126
1,1,2-Trichlorcethane	100	0	104	105	76 - 122
Trichloroethene	100	0	110	110	74 - 123
Trichlorofluoromethane	100	0	113	114	62 - 152
Vinyl chloride	100	0	106	106	65 - 133
Total Xylenes	300	. 0	302	101	76 - 122
		A TIT CC/MC NON			

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab	Name:	STL Buffa	<u>lo</u>	Contract:	Lab	Samp I	ID:	A6B58601
Lab	Code:	RECNY	Case No.:	SAS No.:		SDG No	o.:	

Matrix Spike - Client Sample No.: GW-3

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTA UG/	NOITAS	MS % REC #	QC LIMITS REC.
Methyl-t-Butyl Ether (4)	100	0	99.1		99	64 - 127
COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	1	C LIMITS REC.
Acetone Benzene Bromodichloromethane Bromoform Bromomethane 2-Butanone Carbon Disulfide Carbon Tetrachloride Chlorobenzene Chlorothane Chlorothane Chloromethane Cyclohexane Dibromochloromethane 1,2-Dibromo-3-chlorop(1) 1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorothane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene trans-1,3-Dichloropropene trans-1,3-Dichloropropene trans-1,3-Dichloropropene trans-1,3-Dichloropropene trans-1,3-Dichloropropene trans-1,3-Dichloropropene	500 100 100 100 100 100 100 100 100 100	491 107 114 89.8 85.8 561 95.9 111 97.4 157 112 120 102 104 95.9 102 95.3 91.5 91.5 91.9 86.0 110 122 103 108 105 113 102 93.9 97.4	98 108 114 90 86 112 96 112 97 157 * 113 121 103 105 96 102 95 92 86 111 123 103 108 106 114 102 94 97	3 2 2 1 5 4 0 3 5 6 3 0 2 3 1 2 1 1 0 2 2 3 2 1 0 4 0 4 0 4 0 0 4 0 4 0 4 0 4	15 13 15 15 15 15 15 15 15 15 15 15 20 20 20 20 20 20 20 20 20 20 15 15 15	56 - 142 71 - 124 60 - 130 66 - 128 36 - 150 57 - 140 59 - 134 72 - 120 69 - 136 73 - 127 49 - 142 70 - 130 75 - 125 56 - 134 77 - 120 77 - 120 77 - 120 77 - 120 77 - 129 75 - 119 33 - 157 71 - 129 75 - 127 65 - 138 74 - 124 73 - 127 76 - 120 74 - 124 73 - 123 77 - 123
2-Hexanone Isopropylbenzene Methyl acetate Methylcyclohexane Methylene chloride 4-Methyl-2-pentanone Styrene 1,1,2,2-Tetrachloroet(3) Tetrachloroethene	500 100 100 100 100 500 100 100	523 91.8 116 91.9 116 528 97.4 101 90.4	105 92 116 92 117 106 97 102 90	4 2 0 2 0 4 4 0 5	15 20 20 20 15 35 20 15	65 - 127 77 - 122 60 - 140 57 - 132 48 - 156 70 - 130 70 - 126

ENDM TIT CO MC 1707

Contract: Lab Samp ID: A6B58601

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo

Comments: _

Lab Code: <u>RECNY</u>							
Matrix Spike - Client Sampl	.e No.: <u>GW-3</u>						
COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #		C LIMITS REC.	
1,2,4-Trichlorobenzene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene Trichlorofluoromethane Vinyl chloride Total Xylenes Methyl-t-Butyl Ether (4)	100 100 100 100 100 100 300 100	87.0 108 104 108 110 104 291 99.0	87 109 105 108 110 104 97 99	4 2 0 2 4 2 4 0	20 15 15 15 20 15 16 37	62 - 152 65 - 133	
(1) 1,2-Dibromo-3-chloropropane (2) trans-1,3-Dichloropropene (3) 1,1,2,2-Tetrachloroethane (4) Methyl-t-Butyl Ether (MTBE) # Column to be used to flag recovery and RPD values with an asterisk							
* Values outside of QC limits							
RPD:0 out of <u>47</u> outside limits Spike recovery: <u>2</u> out of <u>94</u> outside limits							

EPA ASP 2000 - METHOD 8260 VOLATILES METHOD BLANK SUMMARY

Client No.

	· ·				VBLK21
Tab	Mamo.	CTT	Buffalo	Contract.	
Lab	name:	OIL	Dullaio	Contract:	

Lab Code: <u>RECNY</u> Case No.: _____ SAS No.: ____ SDG No.: ____

Lab File ID: S7498.RR Lab Sample ID: A6B2803602

Date Analyzed: 10/11/2006 Time Analyzed: 11:38

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) $\underline{\text{N}}$

Instrument ID: <u>HP5973S</u>

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
-	TNT7 1	7 CDE 0 CO 2	27500 DD	16:20
1	ENV-1	A6B58602	S7509.RR	
2	ENV-3R	A6B58603	S7510.RR	16:44
3	ENV-4	A6B58604	S7511.RR	17:09
4	ENV-7	A6B58605	S7512.RR	17:33
5	ENV-8	A6B58606	S7513.RR	17:58
6	ENV-9	A6B58607	S7514.RR	18:23
7	FB-10-05-06	A6B58609	S7516.RR	19:12
8	FD-10-05-06	A6B58608	S7515.RR	18:47
9	GW-3	A6B58601	S7508.RR	15:55
10	GW-3	A6B58601MS	S7519.RR	20:26
11	GW-3	A6B58601SD	S7520.RR	20:50
12	MSB21	A6B2803601	S7497.RR	10:11
13	TB-10-05-06	A6B58610	S7517.RR	19:37
14	Volatile Holding Blk	A6B58611	S7518.RR	20:01

Comments:				

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Lah Nama.	em Puffalo	Contract:			VBLK21		_
Lat Name:	SILI BULLATO	Contract:	 ·				
Lab Code:	<u>RECNY</u> Case	e No.: SAS No.:	_ SDG No.: .				
Matrix: ((soil/water) <u>W</u>	ATER	Lab Sample	ID:	A6B28036	02	
Sample wt	./vol: _	<u>5.00</u> (g/mL) <u>M</u> L	Lab File II	D: .	S7498.RR		
Level:	(low/med) <u>L(</u>	<u>M</u>	Date Samp/I	Recv:	·		
% Moistur	e: not dec	Heated Purge: N	Date Analy:	zed:	10/11/20	<u>06</u>	
GC Column	n: <u>DB-624</u>	ID: <u>0.53</u> (mm)	Dilution Fa	actor:	1.00		
Soil Extr	act Volume: _	(uL)	Soil Alique	ot Vol	ume:	(ı	ıL)
			CONCENTRATION (יאדדייים.			
_	CAS NO.		(ug/L or ug/K		UG/L	Q	
	74-87-3	-Chloromethane		-	1	U	}
	74-83-9	Dromomothano			1	บั	
	75-01-4	-Vinyl chloride			1	Ū	
	75-00-3	-iniomornano			ī	บ	:
	75-09-2	-Methylene chloride			1	Ū	1
	67-64-1	-Mactane	i i		5	Ū	
		-Carbon Disulfide			1	Ū	
	75-15-0	1 1 Dighternethers					
	75 34 3	-1,1-Dichloroethene			1	U	
J	/5-34-3	-1,1-Dichloroethane			1	U	1
	67-66-3				1	U	
l	10/-06-2	-1,2-Dichloroethane			1	U	
I	78-93-3	-2-Butanone			5	U	
	/1-55-6	-1,1,1-Trichloroethane			1	U	
	56-23-5	-Carbon Tetrachloride			1	U	
	75-27-4	-Bromodichloromethane			1	U	
ŀ	78-87-5	-1,2-Dichloropropane			1	U	
		-cis-1,3-Dichloropropene			1	U	
		-Trichloroethene			1	U	
		-Dibromochloromethane			1	U	
		-1,1,2-Trichloroethane			1	U	
	71-43-2				1	ע	
		-trans-1,3-Dichloropropene			1	U	
	75-25-2				1	U	
	108-10-1	-4-Methyl-2-pentanone			5	U	
	591-78-6				5	U	
		-Tetrachloroethene			1	U	1
	108-88-3				1	U	
		-1,1,2,2-Tetrachloroethane			1	U	
		-Chlorobenzene	-		1	U	
	100-41-4	-Ethylbenzene			1	U	
	100-42-5	-Styrene			1	ប	
		-Total Xylenes			3	U	
		-Dichlorodifluoromethane			1	U	
		-Trichlomofluoromethane			1	TT	1

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Tab Name : CITT Duffelle Cleaning of		BLK21
Lab Name: STL Buffalo Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A6E	<u>32803602</u>
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: <u>S74</u>	198.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	· · · · · · · · · · · · · · · · · · ·
Moisture: not dec Heated Purge: N	Date Analyzed: 10/	<u>′11/2006</u>
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/I</u>	<u>.</u> Q
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane	1 1 1 1 1 1 1	บ บ บ บ บ บ บ

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lah Namo	, СПТ. Duffolo	Contr	and .			VBLK21		
Tan Name:	: STL Buffalo	CONTE	.act:		•			
Lab Code:	: <u>RECNY</u> Case No.	: S	BAS No.:	SDG No.: _				
Matrix:	(soil/water) <u>WATER</u>			Lab Sampl	le ID:	A6B2803	602	
Sample wt	c/vol:5.00) (g/mL) <u>ML</u>		Lab File	ID:	S7498.R	<u>R</u>	
Level:	(low/med) <u>LOW</u>			Date Samp	o/Recv:			
% Moistur	re: not dec	-		Date Anal	lyzed:	10/11/2	<u>:006</u>	
GC Column	n: <u>DB-624</u> ID:		Dilution Factor: 1.00					
Soil Extr	ract Volume:	(uL)		Soil Alic	quot Vol	.ume:		(uL)
Number Tl	ICs found: 0		(CONCENIRATI (ug/L or u				
	CAS NO.	Comp	oound Name	RT	Est.	Conc.	Q ·	
								1

EPA ASP 2000 - METHOD 8260 VOLATILES VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

 Lab Name:
 STL Buffalo
 Contract:
 Labsampid:
 A6C0006410

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

 Lab File ID (Standard):
 S7496.RR
 Date Analyzed:
 10/11/2006

 Instrument ID:
 HP5973S
 Time Analyzed:
 09:36

 GC Column(1):
 DB-624
 ID:
 0.530(mm)
 Heated Purge:
 (Y/N)
 N

			IS1 (CBZ) AREA #	RT #	IS2 (DCB) AREA #	RT #	IS3 (DFB) AREA #	RT #
	12 HOUR STD		681213	7.16	347221	9.02	650827	4.95
	UPPER LIMIT		1362426	7.66	694442	9.52	1301654	5.45
	LOWER LIMIT		340607	6.66	173611	8.52	325414	4.45
	=======================================	=========		======	==========	======	========	======
	CLIENT SAMPLE	Lab Sample ID						
	=======================================		=======================================	=======	=======================================	=======	==========	======
1	ENV-1	A6B58602	582353	7.16	287730	9.02	563639	4.95
2	ENV-3R	A6B58603	594613	7.16	289533	9.02	575243	4.95
3	ENV-4	A6B58604	599935	7.16	291936	9.02	581402	4.95
4	ENV-7	A6B58605	620927	7.16	304196	9.02	592775	4.95
5	ENV-8	A6B58606	580332	7.16	283524	9.02	558991	4.95
6	ENV-9	A6B58607	587524	7.16	282536	9.02	561458	4.95
7	FB-10-05-06	A6B58609	585538	7.16	288211	9.02	557266	4.95
8	FD-10-05-06	A6B58608	576845	7.16	282482	9.02	555074	4.95
9	GW-3	A6B58601	597856	7.16	291006	9.02	579141	4.95
10	GW-3	A6B58601MS	615529	7.16	323247	9.02	581759	4.95
11	GW-3	A6B58601SD	630216	7.16	323760	9.02	587730	4.95
12	MSB21	A6B2803601	716667	7.16	361469	9.02	688541	4.95
13	TB-10-05-06	A6B58610	588350	7.16	284000	9.02	560993	4.95
14	VBLK21	A6B2803602	615094	7.16	300899	9.02	600721	4.95
15	Volatile Holding Blk	A6B58611	602453	7.16	291947	9.02	579549	4.95

AREA UNIT RT QC LIMITS

IS1 (CBZ) = Chlorobenzene-D5 (50-200) -0.50 / +0.50 min IS2 (DCB) = 1,4-Dichlorobenzene-D4 (50-200) -0.50 / +0.50 min IS3 (DFB) = 1,4-Difluorobenzene (50-200) -0.50 / +0.50 min

[#] Column to be used to flag recovery values

^{*} Values outside of contract required QC limits

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

			SAMPI	ŒD	RECEIVE	⊡
LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE	TIME	DATE	TIME
A6B58602	ENV-1	WATER	10/05/2006	14:20	10/05/2006	17:40
A6B58603	ENV-3R	WATER			10/05/2006	
A6B58604	ENV-4	WATER			10/05/2006	
A6B58605	ENV-7	WATER	10/05/2006	12:30	10/05/2006	17:40
A6B58606	ENV-8	WATER			10/05/2006	
A6B58607	ENV-9	WATER			10/05/2006	
A6B58609	FB-10-05-06	WATER	10/05/2006	16:40	10/05/2006	17:40
A6B58608	FD-10-05-06	WATER			10/05/2006	
A6B58601	GW-3	WATER			10/05/2006	
A6B58601MS	GW-3	WATER			10/05/2006	
A6B58601SD	GW-3	WATER	10/05/2006	09:50	10/05/2006	17:40
A6B58610	TB-10-05-06	WATER	10/05/2006		10/05/2006	17:40

METHODS SUMMARY

Job#: <u>A06-B586</u>

STL Project#: NY4A9203

Site Name:

ANALYTICAL

PARAMETER

METHOD

EPA ASP 2000 - METHOD 8260 VOLATILES

ASP00 8260

References:

ASP00

"Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: <u>A06-B586</u>

STL Project#: <u>NY4A9203</u> Site Name:

General Comments

The enclosed data may or may not 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, Dissolved Oxygen, Sulfite, and Temperature 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

A06-B586

Sample Cooler(s) were received at the following temperature(s); 2.0 °C All samples were received in good condition.

GC/MS Volatile Data

The spike recovery of the analyte Chloroethane in the Matrix Spike and in the Matrix Spike Duplicate of sample GW-3 exceeded quality control limits. The Matrix Spike Blank recoveries were compliant, so no corrective action was performed.

Linear regression was used to calibrate the analytes Chloromethane, Methylene Chloride, Bromoform and 1,2-Dibromo-3-chloropropane that were greater than 15% RSD in the initial calibration standard curve A6I0001998-1. The %RSD of the analytes Bromomethane, Methyl Acetate and Acetone also exceeded 15% but they did not meet criteria for linear regression acceptability.

All samples were preserved to a pH less than 2.

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 data 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 hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Candace L. Fox
Project Manager

(0/15/06
Date

Chain Of Custody Documentation

Chain of Custody Record

TRENT STL®
Severn Trent Laboratories, Inc.

61/246 1 Time 17:40 Special Instructions/ Conditions of Receipt (A fee may be assessed if samples are retained Months longer than 1 month) Time Chain of Custody Number 286141 10-5-06 Page ___ Date Date 1 0 05 10 G Analysis (Attach list if more space is needed) Date Archive For Telephone Number (Area Code)/Fax Number

412-331-5738 ext SGA
Site Contact

E. Callor Stein C. Fox Q9C8-5001 OC Requirements (Specify) \oAnZ HO₅N Disposal By Lab Containers & Preservatives HO₽N 1. Received By 3. Received By 2. Received By حز ᢙ d 4 _ 6 EONH ≠0SZH səıdun 1 Other Standard 10/5/02 1740 Unknown | Return To Client Time Time Matrix Z Ķ Project Manager × 4!**V** 1625 1230 10 05 00 09 50 01 1430 10/05/00/114S 0811 10 50 01 0H71 100) 50(9) 16 os 100 1130 Date Time 21 Days 10/05/01 16/05/104 10 05 101 10 05/01 10/05/06 Poison B BLASLAND, BOUCK OLEF TNC PA 15332 Date Environtek - Torowanda NY Contractifurchase Order/Quote No. 600 Walson Front Drive ☐ 14 Days Sample I.D. No. and Description (Containers for each sample may be combined on one line) Project # 58007.093 Skin Irritant ms msp 7 Days TB-10-05-06 | Flammable FB-10-05-06 Project Name and Location (State) FD-10-DS-06 48 Hours Possible Hazard Identification Turn Around Time Required 5NV-3R 8-MV-8 ENV-9 ENV-4 G-M-3 1. Relinquished By ENY -2. Relinquished By 3. Relinquished By Non-Hazard 2NV-1 STL-4124 (0901) 24 Hours Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Page: 1 Rept: AN0383

Sample Inventory STL Buffalo

Job No: A06-B586 Client: Blasland Project: NY4A9203 SDG: Case: SMO No: No. Samps: 9	Job No: A06-B586 Client: Blasland Bouck & Lee Engineerir Project: NY4A9203 SDG: Case: SMO No:	ngineering		Radiation Check: YES Custody Seal: NO Chain of Custody: YES Sample Tags: NO Sample Tag Numbers: NO SMO Forms: NO CLSIS: NO	ion Check: YES tody Seal: NO f Custody: YES mple Tags: NO g Numbers: NO SMO Forms: NO CLSIS: NO	1000	Cooler Temperature: 2.0°C	ပ္		
									Pres	f og
Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	-	Parameters	Lab	Code	풆
10/05/2006 09:50 10/05/2006 17:40 GW-3	10/05/2006 17:40	GW-3	A6B58601	Cood	2-40mlV	ASP00		RECNY	0103	<2
10/05/2006 09:50 10/05/2006 17:40 GW-3	10/05/2006 17:40	GW-3	A6B58601MS Good	Good	2-40mlV	ASP00		RECNY	0103	
10/05/2006 09:50 10/05/2006	10/05/2006 17:40 GW-3	GW-3	A6B58601SD	Good	2-40mlV	ASP00		RECNY	0103	~
10/05/2006 14:20 10/05/2006	10/05/2006 17:40	17:40 ENV-1	A6B58602	Good	2-40mlV	ASP00		RECNY	0103	%
10/05/2006 16:25	10/05/2006 17:40	17:40 ENV-3R	A6B58603	Good	2-40mlV	ASP00		RECNY	0103	<u>ې</u>
10/05/2006 15:35	10/05/2006 17:40	17:40 ENV-4	A6B58604	Good	2-40mlV	ASP00		RECNY	0103	<u>ئ</u>
10/05/2006 12:30	10/05/2006 17:40	ENV-7	A6B58605	Poop	2-40mlV	ASP00		RECNY	0103	?
10/05/2006 11:45 10/05/2006 17	10/05/2006 17:40	17:40 ENV-8	A6B58606	Good	2-40mlV	ASP00		RECNY	0103	<u>ې</u>
10/05/2006 11:20	10/05/2006 17:40	17:40 ENV-9	A6B58607	Good	2-40mlV	ASP00		RECNY	0103	?
10/05/2006 11:20 10/05/2006	10/05/2006 17:40	17:40 FD-10-05-06	A6B58608	Good	2-40mlV	ASP00		RECNY	0103	?
10/05/2006 16:40 10/05/2006	10/05/2006 17:40	FB-10-05-06	A6B58609	Good	2-40mlV	ASP00		RECNY	0103	≎
10/05/2006	10/05/2006 17:40	TB-10-05-06	A6B58610	Good	2-40mlV	ASP00		RECNY	0103	~
10/05/2006	10/05/2006 17:40	17:40 Volatile Holding Blk A6B58611	A6B58611	Poog	1-40mlV	ASP00		RECNY	0103	~

Analytical Services Coordinator:

ample Custodian:

Preservation Code References:

Third, Fourth Digits - Preservation Types: 00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate 05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH 09=MCAA (Mono chloroacetic acid) First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

late: 10/05/2006

ASP/8260 Volatiles

QC Summary

EPA ASP 2000 - METHOD 8260 VOLATILES WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: ___ Lab Code: RECNY Case No.: _____ SAS No.: ____ SDG No.: ___

	Client Sample ID	Lab Sample ID	l	DCE %REC #	TOL %REC #						TOT OUT
	=======================================	=========	======	======	======	======	======	======	======	======	===
1	ENV-1	A6B58602	94	123	103						0
2	ENV-3R	A6B58603	94	122	102						0
3	ENV-4	A6B58604	91	122	101			:			0
4	ENV-7	A6B58605	91	121	99						0
5	ENV-8	A6B58606	96	128	107			İ			0
6	ENV-9	A6B58607	95	128	104	-			:		0
7	FB-10-05-06	A6B58609	94	127	103						0
8	FD-10-05-06	A6B58608	95	128	104				٠.		0
9	GW-3	A6B58601	93	121	101						0
10	GW-3	A6B58601MS	98	125	104						0
11	GW-3	A6858601SD	94	120	100		l				0
12	MSB21	A6B2803601	114	82	88	ľ					0
13	TB-10-05-06	A6B58610	94	128	103				:		0
14	VBLK21	A6B2803602	118	88	92	1		1			0
15	Volatile Holding Blk	A6B58611	87	120	97				-		0

QC LIMITS

BFB	=	p-Bromofluorobenzene		(73-120)
DCE	=	1,2-Dichloroethane-D4		(72-143)
TOL	=	Toluene-D8		(76-122)

- # Column to be used to flag recovery values* Values outside of contract required QC limits
- D Surrogates diluted out

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo Contract: Lab Samp ID: A6B2803602

Lab Code: <u>RECNY</u> Case No.: _____ SAS No.: ____ SDG No.: ____

Matrix Spike - Client Sample No.: <u>VBLK21</u>

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Acetone	125	146	117	56 - 142
Benzene	25.0	26.1	104	71 - 124
Bromodichloromethane	25.0	26.8	107	60 - 130
Bromoform	25.0	21.4	86	66 - 128
Bromomethane	25.0	23.3	93	36 - 150
2-Butanone	125	132	106	57 - 140
Carbon Disulfide	25.0	22.3	90	59 - 134
Carbon Tetrachloride	25.0	27.4	110	72 - 134
Chlorobenzene	25.0	24.0	96	72 - 120
Chloroethane	25.0	31.3	126	69 - 136
Chloroform	25.0	26.7	107	73 - 127
Chloromethane	25.0	29.6	118	49 - 142
Cyclohexane	25.0	25.0	100	70 - 130
Dibromochloromethane	25.0	24.8	99	75 - 125
1,2-Dibromo-3-chlorop(1)	25.0	24.6	99	56 - 134
1,2-Dibromoethane	25.0	24.2	97	77 - 120
1,2-Dichlorobenzene	25.0	22.8	91	77 - 120
1,3-Dichlorobenzene	25.0	22.5	90	77 - 119
1,4-Dichlorobenzene	25.0	22.5	90	75 - 119
Dichlorodifluoromethane	25.0	23.5	94	33 - 157
1,1-Dichloroethane	25.0	27.0	108	71 - 129
1,2-Dichloroethane	25.0	27.6	110	75 - 127
1,1-Dichloroethene	25.0	25.8	103	65 - 138
cis-1,2-Dichloroethene	25.0	26.0	104	74 - 124
trans-1,2-Dichloroethene	25.0	26.1	105	73 - 127
1,2-Dichloropropane	25.0	27.0	108	76 - 120
cis-1,3-Dichloropropene	25.0	25.6	103	74 - 124
trans-1,3-Dichloropro(2)	25.0	23.5	94	72 - 123
Ethylbenzene	25.0	24.3	98	77 - 123
2-Hexanone	125	123	98	65 - 127
Isopropylbenzene	25.0	23.7	95	77 - 122
Methyl acetate	25.0	27.3	109	60 - 140
Methylcyclohexane	25.0	22.9	92	60 - 140
Methylene chloride	25.0	26.9	108	57 - 132
4-Methyl-2-pentanone	125	122	98	48 - 156
Styrene	25.0	23.9	96	70 - 130
1,1,2,2-Tetrachloroet(3)	25.0	24.1	97	70 - 126
Tetrachloroethene	25.0	23.5	94	74 - 122
Toluene	25.0	23.7	95	70 - 122
1,2,4-Trichlorobenzene	25.0	21.7	87	70 - 122
1,1,1-Trichloroethane	25.0	26.3	106	73 - 126
1,1,2-Trichloroethane	25.0	24.3	98	76 - 122
Trichloroethene	25.0	26.4	106	74 - 123
Trichlorofluoromethane	25.0	27.3	109	62 - 152
Vinyl chloride	25.0	26.4	106	65 - 133
Total Xylenes	75.0	72.5	97	76 - 122
	; = : =			,

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: <u>STL Buffalo</u>		Contract:		Lab Samp ID: A6B280		
Lab Code: <u>RECNY</u> Case No	.:	SAS No.: _		SDG	3 No.:	
Matrix Spike - Client Sampl	e No.: <u>VBLK21</u>					
COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.		
Methyl-t-Butyl Ether (4)	25.0	22.6	91	64 - 127		
(1) 1,2-Dibromo-3-chloropro (2) trans-1,3-Dichloroprope (3) 1,1,2,2-Tetrachloroetha (4) Methyl-t-Butyl Ether (M	ne ne				- -	
# Column to be used to flag	recovery and RI	PD values with ar	n asteris	sk		
* Values outside of QC limi	ts				•	
Spike recovery:0 out o	f <u>47</u> outside	limits				
Commonta.						

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: <u>STL Bu</u>	<u>uffalo</u> Cor	ntract: Lab	Samp	ID:	A6B58601
-------------------------	-------------------	-------------	------	-----	----------

Matrix Spike - Client Sample No.: GW-3

<u></u>					
	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	જ	LIMITS
COMPOUND	UG/L	UG/L	UG/L	REC #	REC.
	=======================================	=======================================		=====	
Acetone	500	0	505	101	56 - 142
Benzene	100	0	109	110	71 - 124
Bromodichloromethane	100	0	115	116	60 - 130
Bromoform	100	0	90.7	91	66 - 128
Bromomethane	100	0	81.7	82	36 - 150
2-Butanone	500	0	579	116	57 - 140
Carbon Disulfide	100	0	96.2	96	59 - 134
Carbon Tetrachloride	100	0	115	115	72 - 134
Chlorobenzene	100	0	102	102	72 - 120
Chloroethane	100	0	166	166 *	69 - 136
Chloroform	100	0	116	117	73 - 127
Chloromethane	100	0	122	122	49 - 142
Cyclohexane	100	o o	104	105	70 - 130
Dibromochloromethane	100	0	107	108	75 - 125
1,2-Dibromo-3-chlorop(1)	100	0	94.6	95	56 - 134
1,2-Dibromoethane	100	0	104	104	77 - 120
1,2-Dichlorobenzene	100	0	96.1	96	77 - 120
1,3-Dichlorobenzene	100	0	93.2	93	77 - 119
1,4-Dichlorobenzene	100	o .	92.3	92	75 - 119
Dichlorodifluoromethane	100	o o	88.5	88	33 - 157
1,1-Dichloroethane	100	Ŏ	114	115	71 - 129
1,2-Dichloroethane	100	Ö	124	124	75 - 127
1,1-Dichloroethene	100	Ö	105	105	65 - 138
cis-1,2-Dichloroethene	100	Ö	110	110	74 - 124
trans-1,2-Dichloroethene	100	ő	109	109	73 - 127
1,2-Dichloropropane	100	Ŏ	115	116	76 - 120
cis-1,3-Dichloropropene	100	Ö	100	101	74 - 124
trans-1,3-Dichloropro(2)	100	ő	93.6	94	72 - 123
Ethylbenzene	100	Ŏ	100	101	77 - 123
2-Hexanone	500	ŏ	547	109	65 - 127
Isopropylbenzene	100		94.5	94	77 - 122
Methyl acetate	100	Ö	117	117	60 - 140
Methylcyclohexane	100	Ö	94.1	94	60 - 140
Methylene chloride	100	0	118	118	57 - 132
4-Methyl-2-pentanone	500		548	110	48 - 156
	ļ.	Ī	100	101	70 - 130
Styrene 1,1,2,2-Tetrachloroet(3)	100	0	100	102	70 - 136
Tetrachloroethene	100 100	0	94.7	95	74 - 122
Toluene	100	0	98.4	98	70 - 122
	1		84.2	84	70 - 122
1,2,4-Trichlorobenzene	100	0	110	111	73 - 126
1,1,1-Trichloroethane 1,1,2-Trichloroethane	100 100	0 0	104	105	76 - 122
	1		1	110	74 - 123
Trichloroethene_	100	0	110 113	114	62 - 152
Trichlorofluoromethane	100	0	106	106	65 - 133
Vinyl chloride	100	0	302	101	76 - 122
Total Xylenes	300	U	342	1	, , , <u>, , , , , , , , , , , , , , , , </u>
			1		

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: <u>STL Buffalo</u>	Contract:	Lab Samp ID: <u>A6B58601</u>
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Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Matrix Spike - Client Sample No.: $\underline{GW-3}$

COMPOUND	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
	UG/L	UG/L	UG/L	REC #	REC.
Methyl-t-Butyl Ether (4)	100	0	99.1	99	64 - 127

Benzene	<u> </u>			· · · -			
COMPOUND		SPIKE	MSD	MSD			
Acetone		ADDED	CONCENTRATION	%	o _l o	Q	CLIMITS
Benzene 100	COMPOUND	UG/L	UG/L	REC #	RPD #	RPD	REC.
Bromodichloromethane 100	Acetone	500	491	98	3	15	56 - 142
Bromodichloromethane 100 114 114 2 15 60 - 13	Benzene	100	107	108	2	13	71 - 124
Bromomethane	Bromodichloromethane	1	114	114	2	15	60 - 130
2-Butanone	Bromoform	100	89.8	90	1	15	66 - 128
Carbon Disulfide	Bromomethane	100	85.8	86	5	15	36 - 150
Carbon Tetrachloride	2-Butanone	500	561	112	4	15	57 - 140
Chlorochane	Carbon Disulfide	100	95.9	96	0	15	59 - 134
Chlorobenzene	Carbon Tetrachloride	100	111	112	3 .	15	72 - 134
Chloroform	Chlorobenzene	100	97.4	97	5	15	72 - 120
Chloromethane	Chloroethane	100	157	157 *	6	15	69 - 136
Cyclohexane	Chloroform	100	112	113	3	15	73 - 127
Dibromochloromethane	Chloromethane	100	120	121	. 0	15	49 - 142
1,2-Dibromo-3-chlorop(1) 100 95.9 96 1 15 56 - 13 1,2-Dibromoethane 100 102 102 2 15 77 - 12 1,2-Dichlorobenzene 100 95.3 95 1 20 77 - 12 1,3-Dichlorobenzene 100 91.5 92 1 20 77 - 12 1,4-Dichlorobenzene 100 91.5 92 0 20 75 - 11 Dichlorodifluoromethane 100 86.0 86 2 20 33 - 15 1,1-Dichloroethane 100 110 111 4 20 71 - 12 1,2-Dichloroethane 100 122 123 0 20 75 - 12 1,1-Dichloroethene 100 103 103 2 31 65 - 13 cis-1,2-Dichloroethene 100 108 108 2 15 74 - 12 1,2-Dichloroethene 100 105 106 3 20 73 - 12 1,2-Dichloropropane 100 113 114 2 20 76 - 12 cis-1,3-Dichloropropane 100 101 102 102 1 15 74 - 12 cis-1,3-Dichloropropone 100 93.9 94 0 15 72 - 12 Ethylbenzene 500 523 105 4 15 65 - 12 Tetrans-1,3-Dichlorode 100 91.9 92 2 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methylcyclohexane 100 97.4 97 4 20 70 - 13 Methylene chloride 100 116 117 0 15 57 - 13 1,1,2,2-Tetrachloroet(3) 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	Cyclohexane	100	102	103	2	20	70 - 130
1,2-Dibromo-3-chlorop(1) 100 95.9 96 1 15 56 - 13 1,2-Dibromoethane 100 102 102 2 15 77 - 12 1,2-Dichlorobenzene 100 95.3 95 1 20 77 - 12 1,3-Dichlorobenzene 100 91.5 92 1 20 77 - 12 1,4-Dichlorobenzene 100 91.5 92 0 20 75 - 11 Dichlorodifluoromethane 100 86.0 86 2 20 33 - 15 1,1-Dichloroethane 100 110 111 4 20 71 - 12 1,2-Dichloroethane 100 122 123 0 20 75 - 12 1,1-Dichloroethene 100 103 103 2 31 65 - 13 cis-1,2-Dichloroethene 100 108 108 2 15 74 - 12 1,2-Dichloroethene 100 105 106 3 20 73 - 12 1,2-Dichloropropane 100 113 114 2 20 76 - 12 cis-1,3-Dichloropropane 100 101 102 102 1 15 74 - 12 cis-1,3-Dichloropropone 100 93.9 94 0 15 72 - 12 Ethylbenzene 500 523 105 4 15 65 - 12 Tetrans-1,3-Dichlorode 100 91.9 92 2 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methylcyclohexane 100 97.4 97 4 20 70 - 13 Methylene chloride 100 116 117 0 15 57 - 13 1,1,2,2-Tetrachloroet(3) 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	Dibromochloromethane	100	104	105	3	15	75 - 125
1,2-Dibromoethane	1,2-Dibromo-3-chlorop(1)		95.9	96	. 1	15	56 - 134
1,2-Dichlorobenzene			102	102	2	15	77 - 120
1,3-Dichlorobenzene	1,2-Dichlorobenzene	f I		95	1	20	77 - 120
1,4-Dichlorobenzene		100	91.5	92	1	20	77 - 119
1,1-Dichloroethane 100 110 111 4 20 71 - 12 1,2-Dichloroethane 100 122 123 0 20 75 - 12 1,1-Dichloroethene 100 103 103 2 31 65 - 13 cis-1,2-Dichloroethene 100 108 108 2 15 74 - 12 trans-1,2-Dichloroethene 100 105 106 3 20 73 - 12 1,2-Dichloropropane 100 113 114 2 20 76 - 12 cis-1,3-Dichloropropene 100 102 102 1 15 74 - 12 trans-1,3-Dichloropro(2) 100 93.9 94 0 15 72 - 12 Ethylbenzene 100 97.4 97 4 15 77 - 12 2-Hexanone 500 523 105 4 15 65 - 12 Isopropylbenzene 100 91.8 92 2 20 77 - 12 Methyl cyclohexane 100 91.9 92 2 20 60 - 14		100	91.9	92	0	20	75 - 119
1,2-Dichloroethane 100 122 123 0 20 75 - 12 1,1-Dichloroethene 100 103 103 2 31 65 - 13 cis-1,2-Dichloroethene 100 108 108 2 15 74 - 12 trans-1,2-Dichloroethene 100 105 106 3 20 73 - 12 1,2-Dichloropropane 100 113 114 2 20 76 - 12 cis-1,3-Dichloropropene 100 102 102 1 15 74 - 12 trans-1,3-Dichloropro(2) 100 93.9 94 0 15 72 - 12 Ethylbenzene 100 97.4 97 4 15 77 - 12 2-Hexanone 500 523 105 4 15 65 - 12 Isopropylbenzene 100 91.8 92 2 20 77 - 12 Methyl acetate 100 91.9 92 2 20 60 - 14 Methylene chloride 100 116 117 0 15 57 - 13 <	Dichlorodifluoromethane	100	86.0	86	2	20	33 - 157
1,1-Dichloroethene 100 103 103 2 31 65 - 13 cis-1,2-Dichloroethene 100 108 108 2 15 74 - 12 trans-1,2-Dichloroethene 100 105 106 3 20 73 - 12 1,2-Dichloropropane 100 113 114 2 20 76 - 12 cis-1,3-Dichloropropene 100 102 102 1 15 74 - 12 trans-1,3-Dichloropro(2) 100 93.9 94 0 15 72 - 12 Ethylbenzene 100 97.4 97 4 15 77 - 12 2-Hexanone 500 523 105 4 15 65 - 12 Isopropylbenzene 100 91.8 92 2 20 77 - 12 Methyl acetate 100 91.9 92 2 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102	1,1-Dichloroethane	100	110	111	4	20	71 - 129
cis-1,2-Dichloroethene 100 108 108 2 15 74 - 12 trans-1,2-Dichloroethene 100 105 106 3 20 73 - 12 1,2-Dichloropropane 100 113 114 2 20 76 - 12 cis-1,3-Dichloropropene 100 102 102 1 15 74 - 12 trans-1,3-Dichloropro(2) 100 93.9 94 0 15 72 - 12 Ethylbenzene 100 97.4 97 4 15 77 - 12 2-Hexanone 500 523 105 4 15 65 - 12 Isopropylbenzene 100 91.8 92 2 20 77 - 12 Methyl acetate 100 116 116 0 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-T	1,2-Dichloroethane	100	122	123	0 .	20	75 - 127
trans-1,2-Dichloroethene 100 105 106 3 20 73 - 12 1,2-Dichloropropane 100 113 114 2 20 76 - 12 cis-1,3-Dichloropropene 100 102 102 1 15 74 - 12 trans-1,3-Dichloropro(2) 100 93.9 94 0 15 72 - 12 Ethylbenzene 100 97.4 97 4 15 77 - 12 2-Hexanone 500 523 105 4 15 65 - 12 Isopropylbenzene 100 91.8 92 2 20 77 - 12 Methyl acetate 100 116 116 0 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrach	1,1-Dichloroethene	100	103	103	2	31	65 - 138
1,2-Dichloropropane 100 113 114 2 20 76 - 12 cis-1,3-Dichloropropene 100 102 102 1 15 74 - 12 trans-1,3-Dichloropro(2) 100 93.9 94 0 15 72 - 12 Ethylbenzene 100 97.4 97 4 15 77 - 12 2-Hexanone 500 523 105 4 15 65 - 12 Isopropylbenzene 100 91.8 92 2 20 77 - 12 Methyl acetate 100 116 116 0 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methylene chloride 100 116 117 0 15 57 - 13 4-Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	cis-1,2-Dichloroethene	100	108	108	2	15	74 - 124
cis-1,3-Dichloropropene 100 102 102 1 15 74 - 12 trans-1,3-Dichloropro(2) 100 93.9 94 0 15 72 - 12 Ethylbenzene 100 97.4 97 4 15 77 - 12 2-Hexanone 500 523 105 4 15 65 - 12 Isopropylbenzene 100 91.8 92 2 20 77 - 12 Methyl acetate 100 116 116 0 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methylene chloride 100 116 117 0 15 57 - 13 4-Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	trans-1,2-Dichloroethene	100	105	106	3	20	73 - 127
trans-1,3-Dichloropro(2) 100 93.9 94 0 15 72 - 12 Ethylbenzene 100 97.4 97 4 15 77 - 12 2-Hexanone 500 523 105 4 15 65 - 12 Isopropylbenzene 100 91.8 92 2 20 77 - 12 Methyl acetate 100 116 116 0 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methylene chloride 100 116 117 0 15 57 - 13 4-Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	1,2-Dichloropropane	100	113	114	2	20	76 - 120
Ethylbenzene 100 97.4 97 4 15 77 - 12 2-Hexanone 500 523 105 4 15 65 - 12 Isopropylbenzene 100 91.8 92 2 20 77 - 12 Methyl acetate 100 116 116 0 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methylene chloride 100 116 117 0 15 57 - 13 4-Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	cis-1,3-Dichloropropene	100	102	102	1	15	74 - 124
2-Hexanone 500 523 105 4 15 65 - 12 Isopropylbenzene 100 91.8 92 2 20 77 - 12 Methyl acetate 100 116 116 0 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methylene chloride 100 116 117 0 15 57 - 13 4-Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	trans-1,3-Dichloropro(2)	100	93.9	94	0	15	72 - 123
Isopropylbenzene 100 91.8 92 2 20 77 - 12 Methyl acetate 100 116 116 0 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methylene chloride 100 116 117 0 15 57 - 13 4-Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	Ethylbenzene	100	97.4	97	4	15	77 - 123
Methyl acetate 100 116 116 0 20 60 - 14 Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methylene chloride 100 116 117 0 15 57 - 13 4-Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12		500	523	105			65 - 127
Methylcyclohexane 100 91.9 92 2 20 60 - 14 Methylene chloride 100 116 117 0 15 57 - 13 4-Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	Isopropylbenzene	100	91.8	92	2	20	77 - 122
Methylene chloride 100 116 117 0 15 57 - 13 4-Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	Methyl acetate	100	116	116	0	20	60 - 140
4-Methyl-2-pentanone 500 528 106 4 35 48 - 15 Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	Methylcyclohexane	100	91.9	92	2	20	60 - 140
Styrene 100 97.4 97 4 20 70 - 13 1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12		100	116	117	0		57 - 132
1,1,2,2-Tetrachloroet(3) 100 101 102 0 15 70 - 12 Tetrachloroethene 100 90.4 90 5 15 74 - 12	4-Methyl-2-pentanone_	500	528		4	35	48 - 156
Tetrachloroethene 100 90.4 90 5 15 74 - 12	Styrene	100	97.4	97	4	20	70 - 130
		100	101				70 - 126
Toluene 100 940 94 4 15 70 - 12		100					74 - 122
1010CHC	Toluene	(100 July 1	, 94.0	94	4,	15	7.0 - 122

Lab Samp ID: <u>A6B58601</u>

EPA ASP 2000 - METHOD 8260 VOLATILES WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Contract:

Lab Name: STL Buffalo

Lab Code: <u>RECNY</u> Case No	o.:	SAS No.: _		SI	OG No.:	
Matrix Spike - Client Sampl	e No.: <u>GW-3</u>					
COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #		LIMITS REC.
1,2,4-Trichlorobenzene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene Trichlorofluoromethane Vinyl chloride Total Xylenes Methyl-t-Butyl Ether (4)	100 100 100 100 100 100 300 100	87.0 108 104 108 110 104 291 99.0	87 109 105 108 110 104 97 99	4 2 0 2 4 2 4	20 15 15 15 20 15 16 37	70 - 122 73 - 126 76 - 122 74 - 123 62 - 152 65 - 133 76 - 122 64 - 127
(1) 1,2-Dibromo-3-chloropro (2) trans-1,3-Dichloroprope (3) 1,1,2,2-Tetrachloroetha (4) Methyl-t-Butyl Ether (N	ene ane MBE)	PD values with ar	n asterisl			
* Values outside of QC limi	ts					
RPD:0 out of47 out Spike recovery:2 out of2		limits				
Comments:						

EPA ASP 2000 - METHOD 8260 VOLATILES METHOD BLANK SUMMARY

Client No.

				VBLK21
Lab	Name:	STL Buffalo	Contract:	

Lab Code: RECNY Case No.: ____ SAS No.: ___ SDG No.: ____

Lab File ID: S7498.RR

Lab Sample ID: <u>A6B2803602</u>

Date Analyzed: <u>10/11/2006</u>

Time Analyzed: 11:38

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: <u>HP5973S</u>

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
1 2 3 4 5 6 7 8	ENV-1 ENV-3R ENV-4 ENV-7 ENV-8 ENV-9 FB-10-05-06 FD-10-05-06	A6B58602 A6B58603 A6B58604 A6B58605 A6B58606 A6B58607 A6B58609 A6B58608	======================================	16:20 16:44 17:09 17:33 17:58 18:23 19:12
9	GW-3	A6B58601	S7508.RR	15:55
10	GW-3	A6B58601MS	S7519.RR	20:26
11	GW-3	A6B58601SD	S7520.RR	20:50
12	MSB21	A6B2803601	S7497.RR	10:11
13	TB-10-05-06	A6B58610	S7517.RR	19:37
14	Volatile Holding Blk	A6B58611	S7518.RR	20:01

Comments:			

BLASLAND BOUCK & LEE ENGINEERING VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Contract: _____ Tune ID: <u>A6T0003057</u> Lab Name: <u>STL Buffalo</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

BFB Injection Date: 10/03/2006 Lab File ID: <u> S7100</u>

BFB Injection Time: 09:51 Instrument ID: <u>HP5973S</u>

Heated Purge: (Y/N): N GC Column: DB-624 ID: 0.18 (mm)

m/e	ION Abundance Criteria	% Relative Abundance
75 95 96 173 174 175 176	15.0 - 40.0% of mass 95 30.0 - 60.0% of mass 95 Base peak, 100% relative abundance 5.0 - 9.0% of mass 95 Less than 2.0% of mass 174 50 - 120 % of mass 95 5.0 - 9.0% of mass 174 95.0 - 101.0% of mass 174 5.0 - 9.0% of mass 176	18.8 46.8 100.0 7.0 0.0 (0.0) 1 75.5 5.4 (7.1) 1 72.3 (95.8) 1 4.7 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client	Lab	Lab	Date	Time
	Sample No.	Sample ID	File ID	Analyzed	Analyzed
2 3 4	VSTD050 VSTD025 VSTD010	A6I0001998-1 A6I0001998-1 A6I0001998-1 A6I0001998-1 A6I0001998-1	S7102.RR S7103.RR S7104.RR	10/03/2006 10/03/2006 10/03/2006 10/03/2006 10/03/2006	10:17 10:41 11:06 11:30 11:55

BLASLAND BOUCK & LEE ENGINEERING VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: <u>STL Buffalo</u> Contract: _____ Tune ID: <u>A6T0003187</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No.: ____

Lab File ID: S7495 BFB Injection Date: 10/11/2006

Instrument ID: <u>HP5973S</u> BFB Injection Time: <u>09:08</u>

GC Column: $\underline{DB-624}$ ID: $\underline{0.18}$ (mm) Heated Purge: (Y/N): \underline{N}

m/e	ION Abundance Criteria	% Relative Abundance		
75 95 96	15.0 - 40.0% of mass 95 30.0 - 60.0% of mass 95 Base peak, 100% relative abundance 5.0 - 9.0% of mass 95	20.5 48.8 100.0 6.8	/ 0 0)	
174 175 176	Less than 2.0% of mass 174 50 - 120 % of mass 95 5.0 - 9.0% of mass 174 95.0 - 101.0% of mass 174 5.0 - 9.0% of mass 176	0.0 66.1 5.3 63.5 3.9	(0.0) (8.0) (96.0) (6.2)	1 1 2

1-Value is % mass 174

2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	, 	_	-		
	Client	Lab	Lab	Date	Time
	Sample No.	Sample ID	File ID	Analyzed	Analyzed
2 3 4 5 6 7 8 9 10 11 12 13	VSTD025 MSB21 VBLK21 GW-3 ENV-1 ENV-3R ENV-4 ENV-7 ENV-8 ENV-9 FD-10-05-06 FB-10-05-06 TB-10-05-06 Volatile Holding Blk	A6C0006410-1 A6B2803601 A6B2803602 A6B58601 A6B58602 A6B58603 A6B58604 A6B58605 A6B58606 A6B58607 A6B58607 A6B58608 A6B58609 A6B58610 A6B58611	\$7496.RR \$7497.RR \$7498.RR \$7508.RR \$7509.RR \$7510.RR \$7511.RR \$7512.RR \$7513.RR \$7513.RR \$7514.RR \$7515.RR \$7515.RR \$7516.RR \$7517.RR \$7517.RR	10/11/2006 10/11/2006 10/11/2006 10/11/2006 10/11/2006 10/11/2006 10/11/2006 10/11/2006 10/11/2006 10/11/2006 10/11/2006 10/11/2006 10/11/2006 10/11/2006	10:11 11:38 15:55 16:20 16:44 17:09 17:33 17:58 18:23 18:47 19:12 19:37 20:01
15	GW-3	A6B58601MS	S7519.RR	10/11/2006	20:26
16	GW-3	A6B58601SD	S7520.RR	10/11/2006	20:50

EPA ASP 2000 - METHOD 8260 VOLATILES VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

 Lab Name:
 STL Buffalo
 Contract:
 Labsampid:
 A6C0006410

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

 Lab File ID (Standard):
 \$7496.RR
 Date Analyzed:
 10/11/2006

 Instrument ID:
 HP5973S
 Time Analyzed:
 09:36

 GC Column(1):
 DB-624
 ID:
 0.530(mm)
 Heated Purge:
 (Y/N)
 N

			IS1 (CBZ) AREA #	RT #	IS2 (DCB) AREA #	RT #	IS3 (DFB) AREA #	RT #		
	12 HOUR STD	222222	681213	7.16	347221	9.02	650827	4.95		
	UPPER LIMIT		1362426	7.66	694442	9.52	1301654	5.45		
			340607	6.66	173611	8.52	325414	4.45		
	LOWER LIMIT		340607		173011	======	323717			
	CLIENT SAMPLE	Lab Sample ID								
		======================================		======	===========	======	========	======		
1	ENV-1	A6B58602	582353	7.16	287730	9.02	563639	4.95		
ż	ENV-3R	A6B58603	594613	7.16	289533	9.02	575243	4.95		
3	ENV-4	A6B58604	599935	7.16	291936	9.02	581402	4.95		
4	ENV-7	A6B58605	620927	7.16	304196	9.02	592775	4.95		
5	ENV-8	A6B58606	580332	7.16	283524	9.02	558991	4.95		
6	ENV-9	A6B58607	587524	7.16	282536	9.02	561458	4.95		
7	FB-10-05-06	A6B58609	585538	7.16	288211	9.02	557266	4.95		
8	FD-10-05-06	A6B58608	576845	7.16	282482	9.02	555074	4.95		
9	GW-3	A6B58601	597856	7.16	291006	9.02	579141	4.95		
10	GW-3	A6B58601MS	615529	7.16	323247	9.02	581759	4.95		
11	GW-3	A6B58601SD	630216	7.16	323760	9.02	587730	4.95		
12	MSB21	A6B2803601	716667	7.16	361469	9.02	688541	4.95		
13	TB-10-05-06	A6B58610	588350	7.16	284000	9.02	560993	4.95		
14	VBLK21	A6B2803602	615094	7.16	300899	9.02	600721	4.95		
15	Volatile Holding Blk	A6B58611	602453	7.16	291947	9.02	579549	4.95		

AREA UNIT RT
QC LIMITS QC LIMITS

IS1 (CBZ) = Chlorobenzene-D5 (50-200) -0.50 / +0.50 min IS2 (DCB) = 1,4-Dichlorobenzene-D4 (50-200) -0.50 / +0.50 min IS3 (DFB) = 1,4-Difluorobenzene (50-200) -0.50 / +0.50 min

[#] Column to be used to flag recovery values

^{*} Values outside of contract required QC limits

Compare Client DL for PROJECT NY4A9203 and Task 1 to Lab MDL

PROTOCOL: SW8463 For METHOD: 8260

Rept: AN1368

Page:

For FRACTIONS: MV

Laboratory: A

ite: 10/24/2006 me: 18:04:31 oject Manager: CLF

기 ьı ш ш ×I 0.35013 N 0.35013 N 0.26653 N 0.27344 | 2.47794 0.38565 0.25741 0.28161 0.47585 0.26653 0.26653 0.31744 0.31744 0.35013 0.26495 0.41896 0.29324 0.29324 0.29324 0.40765 0.46674 0.41645 0.40105 0.45794 0.45794 0.45794 0.33190 0.33096 0.36899 5.48674 5.48674 5.48674 2.38711 2.33776 0.48465 3.54562 ᅙ 5.00000 1.00000 .00000 .00000 00000 .00000 5.00000 1.00000 00000.1 00000.1 00000.1 .00000 .00000 00000.1 1.00000 1.00000 1.00000 5.00000 .00000 00000 1.00000 00000. 5.00000 5.00000 5.00000 00000.1 00000.1 .00000 .00000 .00000 00000. 00000 .00000 .0000 00000 둳 5.0000 5.0000 5.0000 5.0000 5,0000 5.0000 5.0000 5.0000 25.0000 25.0000 5.0000 CD ₹ CTA14371 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L ST001242 W UG/L ST001242 W UG/L CTA14371 W UG/L ST001242 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L CTA14371 W UG/L ST001242 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L CTA14371 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L CTA14371 W UG/L ST001242 W UG/L STA01169 W UG/L STA01169 W UG/L STA01169 W UG/L ST001242 W UG/L STA01169 W UG/L STA01169 W UG/L Σ Test Method 8260 SW8463 8260 8260 SW8463 8260 8260 8260 8260 8260 SW8463 SW8463 SW8463 SW8463 SW8463 SW8463 SW8463 Type Protcl ם ם EQL Eal Eal Eal 등 Eal ZO. 뎔 딩 9 Eal 5 EG Eal ם EGL Eal 텀 COL 뎚 EGF ם ם 덩 등 ם 뎚 덩 ם 5 1,1,2-Trichloro-1,2,2-trifluoroethane 1,2-Dibromo-3-chloropropane 1,1,2,2-Tetrachloroethane 1,2,4-Trichlorobenzene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Carbon Tetrachloride 4-Methyl-2-pentanone Bromodichloromethane Carbon Tetrachloride **Carbon Tetrachloride** 1,2-Dichloropropane 1,3-Dichlorobenzene /,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,2-Dibromoethane Carbon Disulfide Chlorobenzene Bromomethane 2-Butanone 2-Butanone 2-Butanone 2-Hexanone Bromoform Benzene Benzene Acetone Benzene 1sk Project No No lasland Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 lastand Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 lastand Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 lastand Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 En NY4A9203 lasland Bouck & Lee En NY4A9203 lastand Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 lastand Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 lastand Bouck & Lee En NY4A9203 lastand Bouck & Lee En NY4A9203 lastand Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 lasiand Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 asland Bouck & Lee En NY4A9203 asland Bouck & Lee En NY4A9203 asland Bouck & Lee En NY4A9203 astand Bouck & Lee En NY4A9203 lasiand Bouck & Lee En NY4A9203 lastand Bouck & Lee En NY4A9203 lasland Bouck & Lee En NY4A9203 lasland Bouck & Lee Bouck & Lee Fraction: MV

N - MDL "Not Found"

T - Exception Types:

E - TDL>CDL (TDL Type CDL)

 \underline{M} - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) * - TDL=0 or MDL=0

6/246

Compare Client DL for PROJECT NY4A9203 and Task 1 to Lab MDL For METHOD: 8260 PROTOCOL: \$W8463

Page: 2 Rept: AN1368

For FRACTIONS: MV

oject Manager: CLF Laboratory: A

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ш	MDL X I	0.31744 N	0.32373 N	0.33567 N	0.33567 N	0.33567 N	0.34573 N	0.53400 N	0.32247 N	0.28538 N	0.34416 N	0.31870 N	N 92655 N	0.47931 N	0.49502 N	0.43845 N	0.31367 N	0.36490 N	0.36490 N	0.36490 N	0.34887 N	0.93000 N	0.32436 N	0.32436 N	0.32436 N	0.36082 N	0.24264 N	0.24264 N	0.24264 N	0.36585 N	0.35516 N	0.33253 N	0.36836 N	
	TDL	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1,00000	1,00000	3,00000	1.00000	1,00000	1,00000	1.00000	1,00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	
	- CDL			5.0000	5.0000													5.0000	5.0000				5.0000	5.0000			5.0000	5.0000						
- -	Test M UM	STA01169 W UG/L	STA01169 W UG/L	CTA14371 W UG/L	ST001242 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	CTA14371 W UG/L	ST001242 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	CTA14371 W UG/L	ST001242 W UG/L	STA01169 W UG/L	STA01169 W UG/L	CTA14371 W UG/L	ST001242 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	STA01169 W UG/L	
TDL	Type Protcl Method	EQL SW8463 8260	EQL SW8463 8260	CDL SW8463 8260	CDL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	CDL SW8463 8260	CDL SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	Egl SW8463 8260	CDL SW8463 8260	CDL SW8463 8260	Eal SW8463 8260	EQL SW8463 8260	CDL SW8463 8260	CDL SW8463 8260	EQL SW8463 8260	Eq. SW8463 8260	Eal SW8463 8260	EQL SW8463 8260	EQL SW8463 8260	
Tsk	No Parameter	1 Chlorobenzene	1 Chloroethane	1 Chloroform	1 Chloroform	1 Chloroform	1 Chloromethane	1 Cyclohexane	1 Dibromochloromethane	1 Dichlorodifluoromethane	1 Ethylbenzene	1 Isopropylbenzene	1 Methyl acetate	1 Methyl-t-Butyl Ether (MTBE)	1 Methylcyclohexane	1 Methylene chloride	1 Styrene	1 Tetrachloroethene	1 Tetrachloroethene	1 Tetrachloroethene	1 Toluene	1 Total Xylenes	1 Trichloroethene	1 Trichloroethene	1 Trichloroethene	1 Trichlorofluoromethane	1 Vinyl chloride	1 Vinyl chloride	1 Vinyl chloride	1 cis-1,2-Dichloroethene	1 cis-1,3-Dichloropropene	1 trans-1,2-Dichloroethene	1 trans-1,3-Dichloropropene	
F	Client Name Project No	lasland Bouck & Lee En NY4A9203	lasland Bouck & Lee En NY4A9203	lasland Bouck & Lee En NY4A9203	lasland Bouck & Lee En NY4A9203	lasland Bouck & Lee En NY4A9203	lasland Bouck & Lee En NY4A9203	lasiand Bouck & Lee En NY4A9203	lasland Bouck & Lee En NY4A9203	lasiand Bouck & Lee En NY4A9203	lasland Bouck & Lee En NY4A9203	lasiand Bouck & Lee En NY4A9203	lasland Bouck & Lee En NY4A9203	lasiand Bouck & Lee En NY4A9203	lasiand Bouck & Lee En NY4A9203	lasland Bouck & Lee En NY4A9203	lasland Bouck & Lee En NY4A9203	lasland Bouck & Lee En NY4A9203																

Sample Data

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

		ENV-1	
Lab Name: STL Buffalo Contract:	· 		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	-	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58602	
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	S7509.RR	<u>_</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006	10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	:1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q " 1 1
75-01-4Vinyl chloride 75-00-3Chloroethane 75-09-2Methylene chloride 67-64-1Acetone 75-15-0Carbon Disulfide 75-35-41,1-Dichloroethane 75-34-3Chloroform 107-06-21,2-Dichloroethane 78-93-32-Butanone 71-55-61,1,1-Trichloroethane 56-23-5Carbon Tetrachloride			

75-25-2----Bromoform

591-78-6----2-Hexanone

108-90-7----Chlorobenzene

100-41-4----Ethylbenzene

1330-20-7----Total Xylenes

108-88-3----Toluene

100-42-5----Styrene_

108-10-1----4-Methyl-2-pentanone

79-34-5----1,1,2,2-Tetrachloroethane_

75-71-8-----Dichlorodifluoromethane

75-69-4-----Trichlorofluoromethane

127-18-4----Tetrachloroethene

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

		ENV-1	
Lab Name: STL Buffalo Contract:		<u> </u>	-
Lab Code: RECNY Case No.: SAS No.:	_ SDG No.:	• ' '	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58602	<u>.</u>
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	S7509.RR	:
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006	10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006	<u>5</u>
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	.ume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	_	Q
1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene		1	

79-20-9-----Methyl acetate

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

			ENV-1		
Lab Name: <u>STL Buffalo</u>	Contract:				
Lab Code: <u>RECNY</u> Case No.	.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>		Lab Sample	ID: <u>A6B586</u>	02_	
Sample wt/vol: 5.00	<u>)</u> (g/mL) <u>ML</u>	Lab File ID	s7509.1	RR	
Level: (low/med) <u>LOW</u>		Date Samp/R	ecv: <u>10/05/</u>	2006 10/05/2	2006
% Moisture: not dec.	-	Date Analyz	ed: <u>10/11/</u>	2006	
GC Column: <u>DB-624</u> ID	: <u>0.53</u> (mm)	Dilution Fa	ctor:1.	00	
Soil Extract Volume:	(uL)	Soil Aliquo	t Volume:	(uL)	
Number TICs found:0		CONCENTRATION (ug/L or ug/	UNITS: Kg) <u>UG/L</u>	-	
CAS NO.	Compound Name	RT	Est. Conc.	Q	

81/246 (Not Reviewed) Quantitation Report STL Buffalo

Data File : D:\MSDCHEM\S\DATA\101106\S7509.D

: 11 Oct 2006 16:20 Acq On

Vial: 15 Operator: LH

: A6B58602 Sample

Inst : HP5973S Multiplr: 1.00

Misc MS Integration Params: RTEINT.P

Results File: A6I0001...0 E1.RES Quant Time: Oct 11 17:09:02 2006

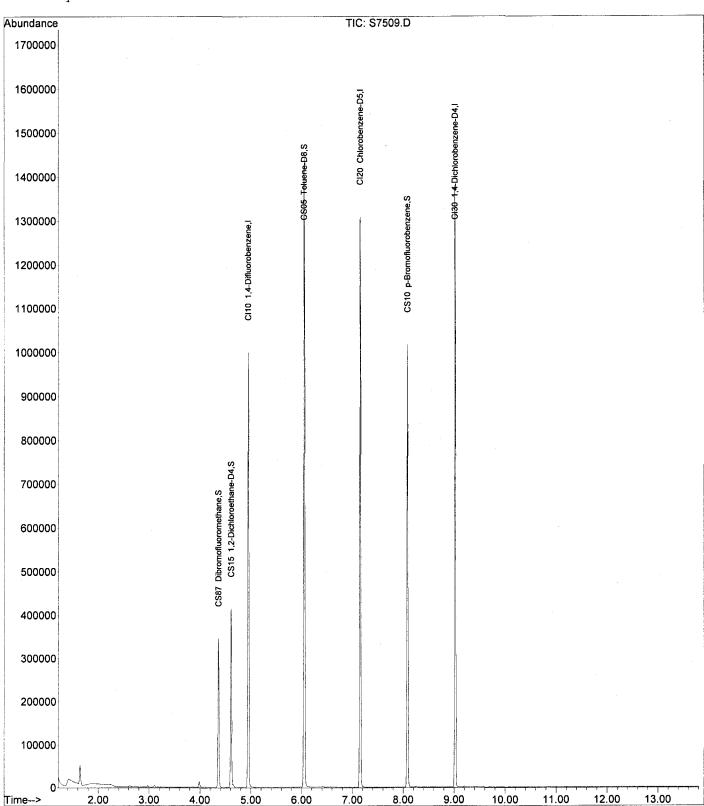
Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

DataAcq Meth : VOA



82/246 Quantitation Report STL Buffalo (Not Reviewed)

Data File : D:\MSDCHEM\S\DATA\101106\S7509.D

Vial: 15 Operator: LH Inst : HP5973S

Acq On : 11 Oct 2006 16:20 Sample : A6B58602 Multiplr: 1.00 Misc

Quant Time: Oct 11 17:09:02 2006 Results File: A6I0001...0 E1.RES

Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

MS Integration Params: RTEINT.P

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006)

Internal Standards	R.T.	QIon	Response	Conc Ui	nits	Dev(Min) Rcv(Ar)
1) CI10 1,4-Difluorobenzene	4.95	114	563639	125.00	ng	0.00 \ 86.60%
43) CI20 Chlorobenzene-D5	7.16	117	582353	125.00	ng	0.00 85.49%
62) CI30 1,4-Dichlorobenzene-	9.02	152	287730	125.00	ng	0.00 82.87%
System Monitoring Compounds						
30) CS87 Dibromofluoromethane Spiked Amount 125.000 Rang	4.36 9e 70	- 130	161326 Recove		113.	
31) CS15 1,2-Dichloroethane-D Spiked Amount 125.000 Rang	4.61 ge 73	65 - 136	211793 Recove	154.25 ry =		0.00 40%
44) CS05 Toluene-D8 Spiked Amount 125.000 Rang	6.05 ge 77	98 - 122	720045 Recove	129.35 rv =	ng 103.	0.00
61) CS10 p-Bromofluorobenzene Spiked Amount 125.000 Rang	8.08	174 - 120		117.68	ng,	0.00
Target Compounds				_		Qvalue
2) C290 Dichlorodifluorome (0.00	85	0	N.D.		
3) C010 Chloromethane	1.40		591	Below	Cal	# 40
	0.00	62	0	N.D.		
- · · · - · · · - · · · · · · · · ·	0.00	94	0 0	N.D. N.D.		
	0.00	64 101	0	N.D.		
	0.00	96	0	N.D.		
9) C030 Methylene chloride	2.98		981	Below	Cal	93
	2.73	76	2021	N.D.		
	0.00	56	0	N.D.		
	0.00	53	0	N.D.		
	2.62	43	2816	N.D.		
·	0.00	41	0	N.D.		
		142	0	N.D.		
		101	0	N.D.		
· J J	0.00	73 96	0 0	N.D. N.D.		
	0.00 2.92	43	622	N.D.		
	0.00	63	0	N.D.		
	0.00	43	Ö	N.D.		
· · · · · · · · · · · · · · · · · · ·	3.99	77	131	N.D.		
· · · · · · · · · · · · · · · · · · ·	0.00	96	. 0	N.D.		
	0.00	42	0	N.D.		
		128	0	N.D.		
	0.00	83	0	N.D.		
	0.00	97	0	N.D.		
	0.00	117 75	0 0	N.D. N.D.		
	0.00	73 78	0	N.D.		
·	0.00	62	Ö	N.D.		
	1.09	43	1495	N.D.		^
, <u> </u>	0.00	56	0	N.D.		1
	0.00	95	0	N.D.		•
	0.00	63	0 0	N.D.		
38) C278 Dibromomethane (0.00	93	U	N.D.		

Multiplr: 1.00

Data File : D:\MSDCHEM\S\DATA\101106\S7509.D Vial: 15 Acq On : 11 Oct 2006 16:20 Sample : A6B58602 Operator: LH Inst : HP5973S

Misc

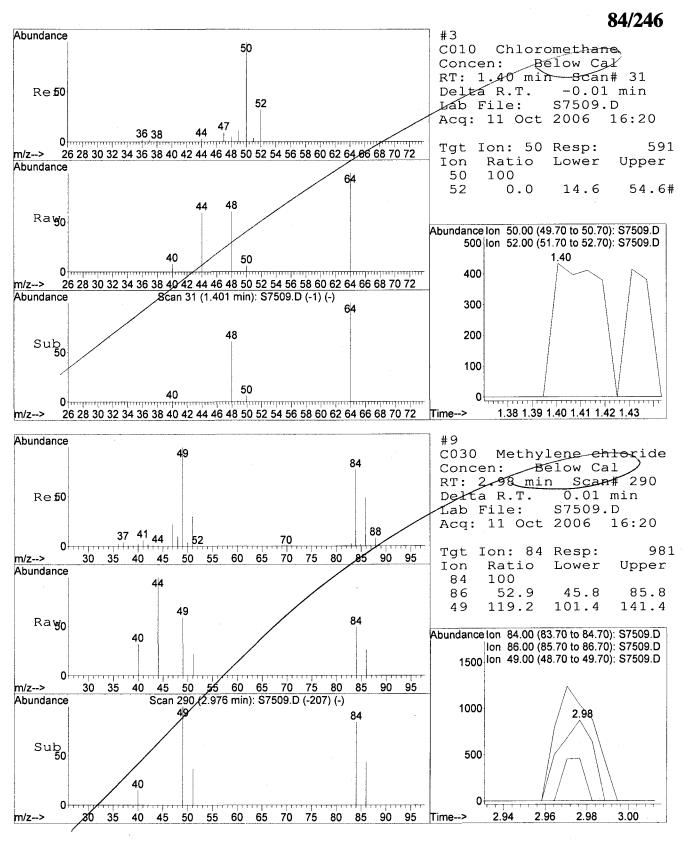
MS Integration Params: RTEINT.P Quant Time: Oct 11 17:09:02 2006 Results File: A6I0001...0 E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260 E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Internal	Standards	R.T	. QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
20) 6120	D				N D	
39) C130		0.00	83 63	0	N.D. N.D.	
40) C161 41) C012		0.00	83	0	N.D.	
41) C012 42) C145		0.00	75	0	N.D.	
	cis-1,3-Dichloropr	0.00	92	0	N.D.	
45) C230 46) C170	Toluene trans-1,3-Dichloro	0.00	75	0	N.D.	
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48) C160		0.00	83	Ö	N.D.	
49) C210	4-Methyl-2-pentano	6.05	43	3142	N.D.	
50) C220	Tetrachloroethene	0.00	166	0	N.D.	
51) C221	1,3-Dichloropropan	0.00	76	ŏ	N.D.	
52) C155		0.00	129	ŏ	N.D.	
53) C163		0.00	107	ő	N.D.	
54) C215	2-Hexanone	0.00	43	Ö	N.D.	
55) C235	Chlorobenzene	0.00	112	Ö	N.D.	
56) C281		0.00	131	Ö	N.D.	
57) C240	1,1,1,2-Tetrachlor Ethylbenzene	7.36	91	140	N.D.	
	m,p-Xylene	0.00	106	0	N.D.	
58) C246 59) C247		0.00	106	0	N.D.	
	o-Xylene Styrene	0.00	104	Ö	N.D.	
60) C245 63) C180	_	0.00	173	Ö	N.D.	
64) C966	Bromoform Isopropylbenzene	0.00	105	Ö	N.D.	
65) C301	Bromobenzene	0.00	156	Ö	N.D.	
66) C225		0.00	83	0	N.D.	
67) C282		0.00	110	0	N.D.	
68) C283		0.00	53	Ö	N.D.	
69) C302		0.00	91	0	N.D.	
70) C302		0.00	126	Ö	N.D.	
70) C303		0.00	126	0	N.D.	
		0.00	105	0	N.D.	
72) C304 73) C306		0.00	134	0	N.D.	
		0.00	105	Ö	N.D.	
74) C307 75) C308		0.00	105	0	N.D.	
75) C308 76) C260		0.00	146	0	N.D.	
77) C309	· · · · · · · · · · · · · · · · · · ·	0.00	119	Ö	N.D.	
77) C309		0.00	146	Ö	N.D.	
79) C249	1,4-Dichlorobenzen 1,2-Dichlorobenzen	0.00	146	Ö	N.D.	
80) C310		0.00	91	Ö	N.D.	
		0.00	75	0	N.D.	
		0.00	180	0	N.D.	
		0.00	225	0	N.D.	
		10.88	128	447	N.D.	
84) C314 85) C934		0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed



85/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDCHEM\S\DATA\101106\S7509.D

Misc

Acq On : 11 Oct 2006 16:20 Sample : A6B58602

Vial: 155 Operator: LHH Inst : HP5973SS Multiplr: 1.000

MS Integration Params: LSCINT.P

|--Internal Standard---|

TIC Top Hit name RT EstConc Units Response | # RT Resp Conc|

Library : C:\DATABASE\NIST02.L

No Library Search Compounds Detected

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

			ENV-3R
Lab Name: STL Buffalo	Contract:	·	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID:	A6B58603
Sample wt/vol: $\underline{5.00}$ (g/mL)	<u>ML</u>	Lab File ID:	S7510.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec Heate	ed Purge: <u>N</u>	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	5.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)

CAS NO.	COMPOUND	CONCENTRATION U (ug/L or ug/Kg		Q
74-87-3	Chloromethane		5	U
74-83-9E			5	ן דו
75-01-4			13	
75-00-3			5	ע
	Methylene chloride		5	ט
67-64-1			25	ע
	Carbon Disulfide		5	U
75-35-41	1,1-Dichloroethene	***	5	U
	1,1-Dichloroethane		17	1 1
67-66-3			5	U
	1,2-Dichloroethane		5	ប
78-93-32			25	U
	1,1,1-Trichloroethane		5	U
I I	Carbon Tetrachloride		5	U
	Bromodichloromethane		5	U
	1,2-Dichloropropane		5	U
	cis-1,3-Dichloropropene		5	U
	Trichloroethene		5	
124-48-1I	Dibromochloromethane		• 5	U
79-00-5	1,1,2-Trichloroethane		5	U -
71-43-2F	• •		5	U
10061-02-6t	trans-1,3-Dichloropropene		5	ש
75-25-2F			5	ע
108-10-1	4-Methyl-2-pentanone		25	U
591-78-62	2-Hexanone		25	U
127-18-4	Tetrachloroethene		3	J
108-88-3	l'oluene		5	ע
79-34-5	1,1,2,2-Tetrachloroethane		5	U
108-90-7	Chlorobenzene		5	U
100-41-4I	Ethylbenzene		5	U
100-42-5	Styrene		5	U
1330-20-7			15	ע
75-71-8I	Dichlorodifluoromethane		5	U
75-69-4	Trichlorofluoromethane		5	U

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

	·			ENV-31	R	
Lab Name: <u>STL Buff</u>	<u>falo</u> Co	ontract:		· L		
Lab Code: <u>RECNY</u>	Case No.:	SAS No.:	SDG No.: _	<u> </u>		
Matrix: (soil/wate	er) <u>WATER</u>		Lab Sample	ID: <u>A6B586</u>	03	
Sample wt/vol:	5.00 (g/mL) <u>MI</u>	<u>.</u>	Lab File II	D: <u>\$7510.</u> 1	RR	
Level: (low/med)	LOW		Date Samp/I	Recv: <u>10/05/</u>	2006 <u>10/</u>	05/2006
% Moisture: not de	ec Heated I	Purge: <u>N</u>	Date Analyz	zed: <u>10/11/</u>	2006	
GC Column: <u>DB-624</u>	ID: <u>0.53</u> (mm))	Dilution Fa	actor: 5.	00	
Soil Extract Volum	ne: (uL)		Soil Alique	ot Volume:	(uĻ)
CAS NO.	COMPOUND		CONCENTRATION (ug/L or ug/Kg		Q	
76-13-1 156-60-5- 1634-04-4 156-59-2- 110-82-7- 108-87-2- 106-93-4- 98-82-8 541-73-1- 106-46-7- 95-50-1 96-12-8	1,1,2-Trichlor trans-1,2-Dich Methyl-t-Butyl	ro-1,2,2-trifluntoroethene l Ether (MIBE) proethene kane hane ene enzene enzene enzene chloropropane	(ug/L or ug/Kg	g) <u>UG/L</u> 5 5	Q טטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט	

79-20-9-----Methyl acetate

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

					ENV-3R			
Lab Name:	: STL Buffalo	Contract:		, '				•
Lab Code:	: <u>RECNY</u> Case No.	: SAS No.:	SDG No.: _	· · · · · · · · · · · · · · · · · · ·				
Matrix:	(soil/water) <u>WATER</u>		Lab Sampl	e ID:	<u>A6B5860</u>	3		
Sample wt	:/vol: <u>5.00</u>	<u>)</u> (g/mL) <u>ML</u>	Lab File	ID:	<u>S7510.R</u>	R		
Level:	(low/med) <u>LOW</u>		Date Samp	/Recv:	10/05/2	<u>006</u> <u>1</u>	0/05/200	<u>)6</u>
% Moistur	re: not dec.	-	Date Anal	yzed:	10/11/2	<u>006</u>		
GC Column	n: <u>DB-624</u> ID:	: <u>0.53</u> (mm)	Dilution	Factor	5.0	0		
Soil Exti	cact Volume:	(uL)	Soil Alic	guot Vol	ume:	·	(uL)	
Number Tl	ICs found:0		CONCENTRATI (ug/L or u	:		,		
	CAS NO.	Compound Name	RT	Est.	Conc.	Q		

89/246 STL Buffalo (Not Reviewed) Quantitation Report

Data File: D:\MSDCHEM\S\DATA\101106\S7510.D

Vial: 16 Operator: LH

: 11 Oct 2006 16:44 Acq On : HP5973S Sample : A6B58603 DF5 FOAMS Inst Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Results File: A6I0001...0_E1.RES Quant Time: Oct 11 17:09:09 2006

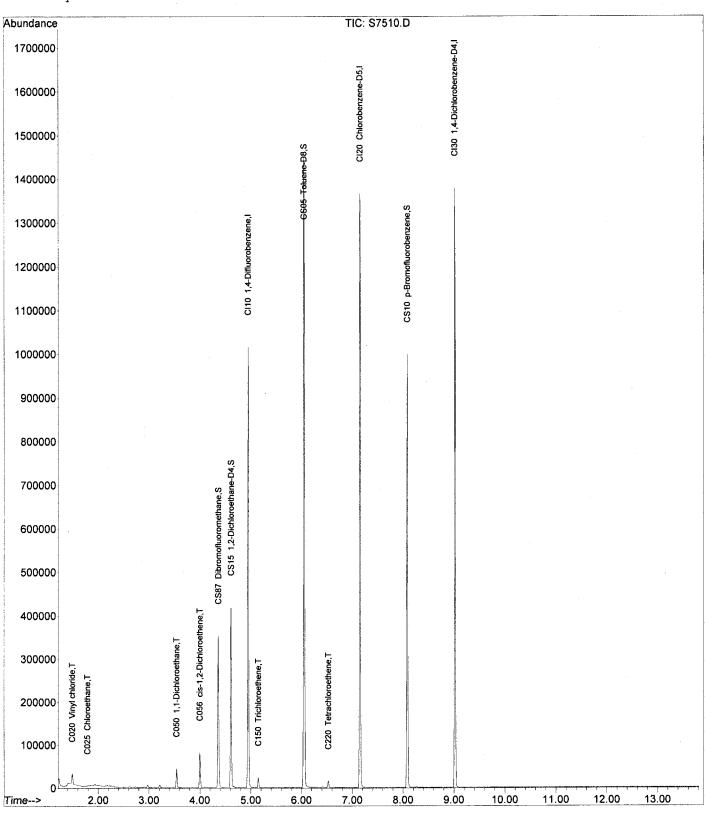
Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

DataAcq Meth : VOA



90/246 Quantitation Report STL Buffalo (Not Reviewed)

Data File : D:\MSDCHEM\S\DATA\101106\S7510.D Vial: 16 Operator: LH Inst : HP5973S : 11 Oct 2006 16:44 : A6B58603 DF5 FOAMS Acq On Sample Multiplr: 1.00

Misc MS Integration Params: RTEINT.P

Quant Time: Oct 11 17:09:09 2006 Results File: A6I0001...0 E1.RES

Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration
DataAcq Meth : VOA

: D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9.361

IS QA File	: D:\MSDChem\S\Data	a\10110	6\S7496	6.D (11 Oc	t 2006	9:3	36)	1000
Internal S	Standards			Response	Conc Ur	nits		(Min) (Ar)
1) CI10	1,4-Difluorobenzene			575243	125.00	ng	ΩΩ	0.00 3.39%
43) CI20	Chlorobenzene-D5	7.16	117	594613	125.00	ng		0.00 7.29%
62) CI30	1,4-Dichlorobenzene-	9.02	152	289533	125.00	ng		0.00 3.39%
30) CS87 Spiked Am 31) CS15 Spiked Am 44) CS05 Spiked Am	1,2-Dichloroethane-D	nge 70 4.61 nge 73 6.05 nge 77	- 130 65 - 136 98 - 122	Recove 213240 Recove 721360 Recove	152.17 ry = 126.91 ry =	111 ng 121 ng 101	.93%	0.00
	nount 125.000 Rar	nge 74	- 120				.76%	
	Dichlorodifluorome	0.00	85	0	N.D.		Qva	alue
(4) C020	Chloromethane Vinyl chloride	0.00 1.49 0.00	50 62 94	0 16841 0	N.D. 13.47 N.D.	ng●	#	46
6) C025	Bromomethane Chloroethane Trichlorofluoromet	1.80		<u> 1446</u> 0		ng	#	45
8) C045 9) C030	1,1-Dichloroethene Methylene chloride Carbon disulfide	0.00 0.00 2.98 2.74	96	0 2057 504	N.D. Below N.D.	Cal	#	69
	Acrolein Acrylonitrile Acetone	0.00 0.00 2.62	56 53 43	0 0 1272	N.D. N.D. N.D.			
14) C300	Acetonitrile Iodomethane 1,1,2 Trichloro-1,	0.00	41 142 101	0 0 0	N.D. N.D. N.D.			
17) C962 18) C057	T-butyl Methyl Eth trans-1,2-Dichloro	0.00 3.21 2.91	73 96 43	0 1787 792	N.D. N.D. N.D.			
20) C050 21) C125	Methyl Acetate 1,1-Dichloroethane Vinyl Acetate	3.54 0.00	63 43	35906 0	16.63 N.D.	ng∮		97
22) C051 C056 24) C272 25) C222	2,2-Dichloropropan cis-1,2-Dichloroethe Tetrahydrofuran Bromochloromethane	0.00 4.00 0.00 0.00	77 96 42 128	0 25824 0 0	N.D. 21.76 N.D. N.D.	ng		96
23) C222 26) C060 27) C115 28) C120 29) C116 32) C165 33) C065 34) C110 35) C256	Chloroform 1,1,1-Trichloroeth Carbon tetrachlori 1,1-Dichloropropen Benzene 1,2-Dichloroethane 2-Butanone Cyclohexane	0.00 4.38	126 83 97 117 75 78 62 43 56	0 2385 0 0 2353 0 1571	N.D. N.D. N.D. N.D. N.D. N.D. N.D.			
36 C150 37) C140 38) C278	Trichloroethene 1,2-Dichloropropan Dibromomethane	5.15 0.00 0.00	95 63 93	6066 0 0	5.44 N.D. N.D.	ng∙		95 N

Page: 1

Quantitation Report STL Buffalo (Not Reviewed) 91/246

Data File : D:\MSDCHEM\S\DATA\101106\S7510.D Vial: 16 Acq On : 11 Oct 2006 16:44
Sample : A6B58603 DF5 FOAMS
Misc : Operator: LH Inst : HP5973S

Multiplr: 1.00

MS Integration Params: RTEINT.P Quant Time: Oct 11 17:09:09 2006 Results File: A6I0001...0 E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

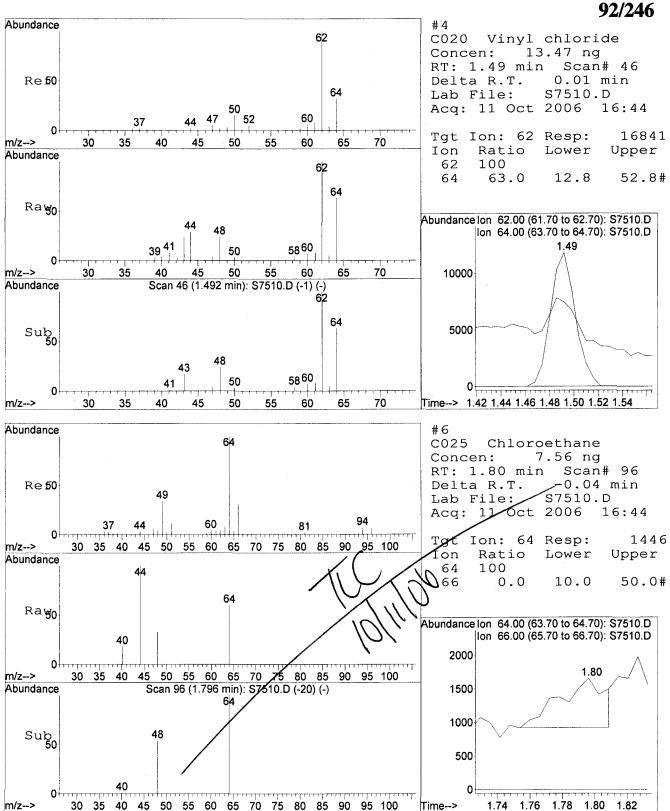
Title : 8260 5ML WATER

Last Update: Wed Oct 11 12:01:01 2006
Response via: Initial Calibration
DataAcq Meth: VOA

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Int	ernal	Standards	R.T	. QIon	Response	Conc Ur	nits	Dev(Min) Rcv(Ar)
39)	C130	Bromodichlorometha	0.00	83	0	N.D.		
40)		2-Chloroethylvinyl	0.00	63	0	N.D.		
41)	C012	Methylcycolhexane	0.00	83	0	N.D.		
42)	C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45)		Toluene	0.00	92	0	N.D.		
46)	C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48)	C160	1,1,2-Trichloroeth	0.00	83	0	N.D.		
(29)	Ç210	4-Methyl-2-pentano	6.05	43	3150	N.D.		
(69)	C 220	Tetrachloroethene	6.5		3797	3.01	ng®	95
51)	C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52)	C155	Dibromochlorometha	0.00	129	0	N.D.		
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54)	C215	2-Hexanone	0.00	43	0	N.D.		
55)		Chlorobenzene	0.00	112	0	N.D.		
56)	C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57)		Ethylbenzene	7.27	91	930	N.D.		
58)		m,p-Xylene	7.36	106	138	N.D.		
59)	C247	o-Xylene	0.00	106	0	N.D.		
	C245	Styrene	0.00	104	0	N.D.		
63)		Bromoform	0.00	173	0	N.D.		
	C966	Isopropylbenzene	7.96	105	171	N.D.		
	C301	Bromobenzene	0.00	156	0	N.D.		
66)		1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
	C282	1,2,3-Trichloropro	0.00	110	0 0	N.D.		
68)		t-1,4-Dichloro-2-B	0.00	53		N.D.		
	C302	n-Propylbenzene	0.00	91	0 0	N.D.		
	C303	2-Chlorotoluene	0.00	126 126	0	N.D. N.D.		
	C289	4-Chlorotoluene 1,3,5-Trimethylben	0.00	105	0	N.D.		
		tert-Butylbenzene	0.00	134	0	N.D.		
	C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
	C308	sec-Butylbenzene	0.00	105	Ö	N.D.		
	C260	1,3-Dichlorobenzen	9.04	146	148	N.D.		
77)		4-Isopropyltoluene	0.00	119	0	N.D.		
78)		1,4-Dichlorobenzen	9.04	146	148	N.D.		
	C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
	C310	n-Butylbenzene	0.00	91	ő	N.D.		
	C286	1,2-Dibromo-3-Chlo	0.00	75	Ö	N.D.		
	C313	1,2,4-Trichloroben	0.00	180	Ö	N.D.		•
83)		Hexachlorobutadien	0.00	225	Ö	N.D.		
84)		Naphthalene	10.88	128	343	N.D.		
	C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

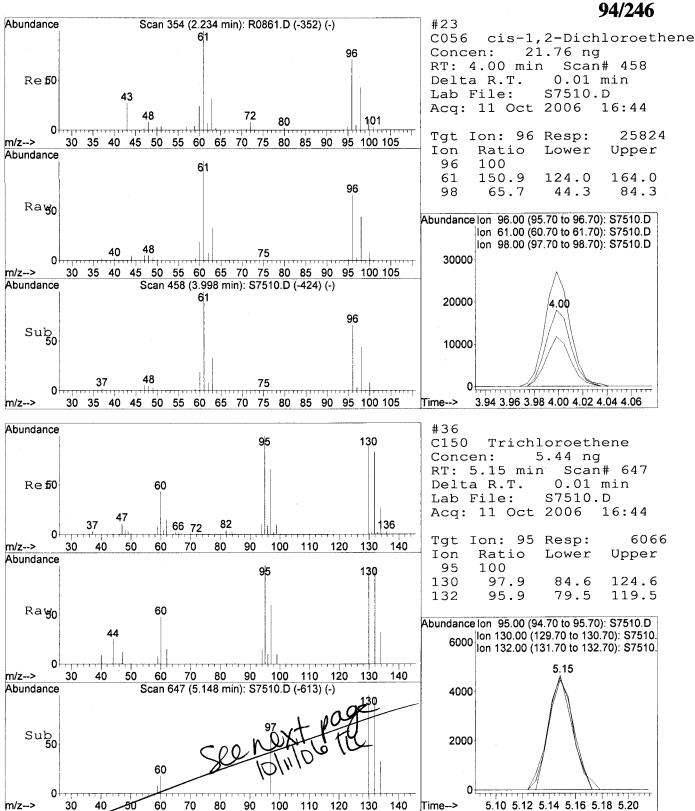


30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 Time-->

3.50

3.55

3.60



: HP5973S

Vial: 16 Operator: LH

Multiplr: 1.00

Inst

Data File : D:\MSDCHEM\S\DATA\101106\S7510.D

Acq On 11 Oct 2006 16:44

A6B58603 DF5 FOAMS

Misc

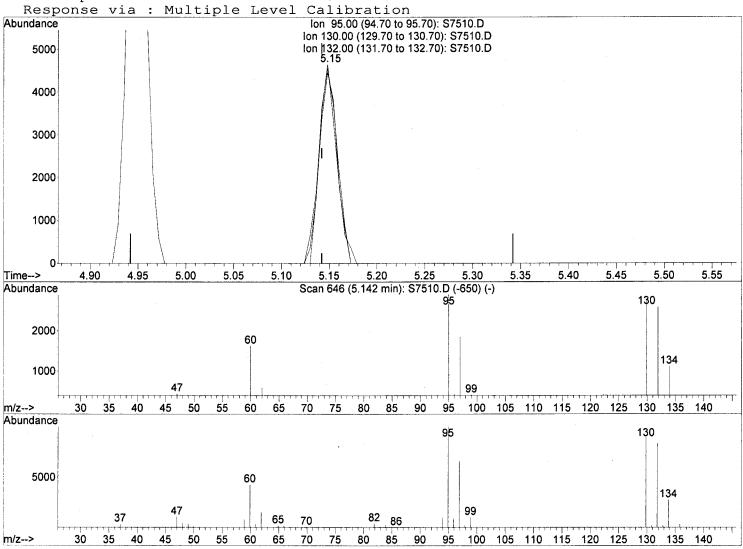
Sample

MS Integration Params: RTEINT.P Quant Time: Oct 11 17:09:09 2006

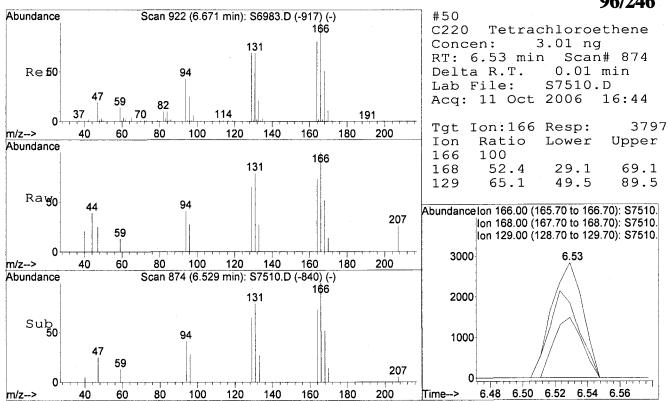
: D:\MSDCHEM\S\MET...1998ASP8260 E1.M (RTE Integrator) Method

Title 8260 5ML WATER

Wed Oct 11 12:01:01 2006 Last Update :



TIC: S7510.D (36) C150 Trichloroethene (T) 5.15min (+0.006) 5.44ng response 6066 Exp% lon Act% 95.00 100 100 130.00 104.60 97.94 132.00 99.50 95.87 0.00 0.00 0.00



97/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDCHEM\S\DATA\101106\S7510.D
Acq On : 11 Oct 2006 16:44
Sample : A6B58603 DF5 FOAMS
Misc :

MS Integration Params: LSCINT.P

Multiplr: 1.000

|--Internal Standard---|

Vial: 166 Operator: LHH Inst : HP5973SS

TIC Top Hit name RT EstConc Units Response | # RT Resp Conc|

Library : C:\DATABASE\NIST02.L

No Library Search Compounds Detected ************

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

				ENV-4		
Lab Nam	e: <u>STL Buffalo</u>	Contract:		<u> </u>		
Lab Cod	e: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:			
Matrix:	(soil/water) <u>WATER</u>		Lab Sample I	ID: <u>A6B5860</u>	<u>)4</u>	
Sample '	wt/vol:5.00	(g/mL) <u>ML</u>	Lab File ID:	<u>S7511.F</u>	₹R	-
Level:	(low/med) <u>LOW</u>		Date Samp/Re	ecv: <u>10/05/2</u>	<u> 2006</u> 10,	<u>/05/2006</u>
% Moist	ure: not dec	Heated Purge: N	Date Analyze	ed: <u>10/11/2</u>	<u> 2006</u>	
GC Colu	mn: <u>DB-624</u> ID: _	0.53 (mm)	Dilution Fac	ctor:5.0	<u>)0</u>	
Soil Ex	tract Volume:	(uL)	Soil Aliquot	: Volume:		(uL)
	CAS NO. COMPO	UND	CONCENTRATION UN (ug/L or ug/Kg)		Q	
	74-83-9Brome 75-01-4Vinyl 75-00-3Chlor 75-09-2Methy 67-64-1Carbe 75-15-01,1-I 75-34-31,1-I 67-66-3Chlor 107-06-21,2-I	chloride coethane clene chloride cone con Disulfide cichloroethene coform coichloroethane		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	บ บ บ	
	70 02 2 2 70 114	anono	i	25	ITT	

71-55-6----1,1,1-Trichloroethane

56-23-5-----Carbon Tetrachloride

75-27-4----Bromodichloromethane

10061-01-5---cis-1,3-Dichloropropene

78-87-5----1,2-Dichloropropane

79-01-6----Trichloroethene

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

		ENV-4
Lab Name: STL Buffalo Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58604
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	S7511.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	5.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	ume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L Q
76-13-11,1,2-Trichloro-1,2,2-triflux 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane		5 U U U U U U U U U U U U U U U U U U U

79-20-9-----Methyl acetate_

100/246

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

		,		ENV-4		1
Lab Name:	STL Buffalo	Contract:			* .	j
Lab Code:	<u>RECNY</u> Case No	.: SAS No.:	SDG No.:			
Matrix: ((soil/water) <u>WATER</u>		Lab Sample :	ID: <u>A6B5860</u>)4	
Sample wt	/vol: <u>5.00</u>	0 (g/mL) <u>ML</u>	Lab File ID	: <u>\$7511.F</u>	R.	
Level:	(low/med) <u>LOW</u>		Date Samp/Re	ecv: <u>10/05/2</u>	2006 10/05/20	<u>06</u>
% Moistur	re: not dec	_	Date Analyze	ed: <u>10/11/2</u>	2006	
GC Column	n: <u>DB-624</u> ID	:_0.53 (mm)	Dilution Fac	ctor:5.0	<u>00</u>	
Soil Extr	act Volume:	(uL)	Soil Aliquot Volume: (uL)			
Number TICs found: <u>0</u>			CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>			
	CAS NO.	Compound Name	RT 1	Est. Conc.	Q	

(Not Reviewed) 101/246 Quantitation Report STL Buffalo

Multiplr: 1.00

Data File : D:\MSDCHEM\S\DATA\101106\S7511.D

Vial: 17 Acq On : 11 Oct 2006 17:09 Operator: LH : HP5973S : A6B58604 DF5 FOAMS Inst

Sample

Misc

MS Integration Params: RTEINT.P

Results File: A6I0001...0_E1.RES Quant Time: Oct 11 18:16:55 2006

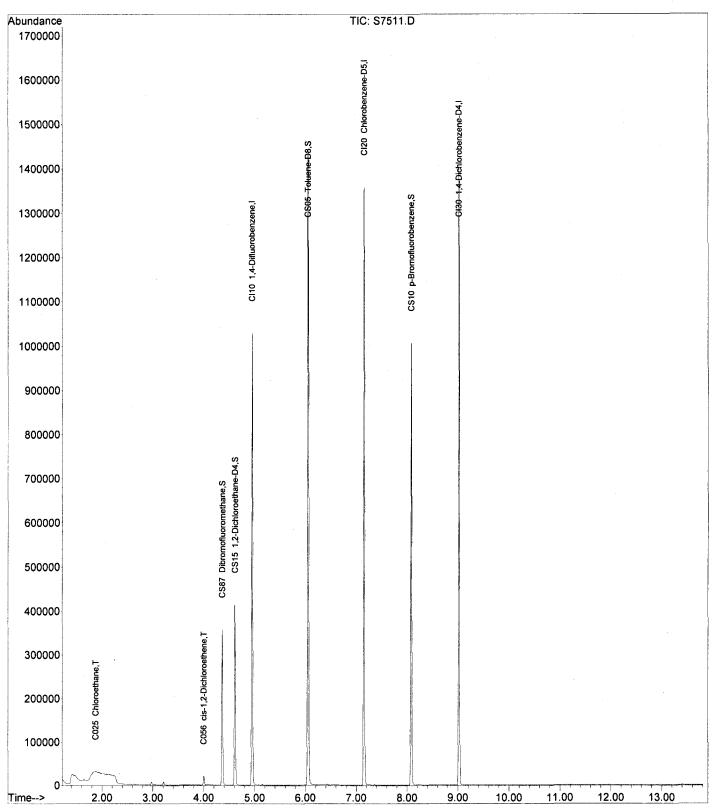
Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

DataAcq Meth : VOA



(Not Reviewed) 102/246Quantitation Report STL Buffalo

Vial: 17

Data File: D:\MSDCHEM\S\DATA\101106\S7511.D

: 11 Oct 2006 17:09 Operator: LH Acq On Inst : HP5973S : A6B58604 DF5 FOAMS Sample Multiplr: 1.00

Misc MS Integration Params: RTEINT.P

Quant Time: Oct 11 18:16:55 2006 Results File: A6I0001...0 E1.RES

Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration
DataAcq Meth : VOA

	IS QA	A File	: D:\MSDChem\S\Data							10/11/01
	Inte	ernal :	Standards	R.T.	QIon	Response	Conc Ur	nits	Dev Rcv	(Min) (Ar)
	1)		1,4-Difluorobenzene		114	581402	125.00	ng	0.	0.00
			Chlorobenzene-D5		117	599935	125.00	ng		0.00
	62)	CI30	1,4-Dichlorobenzene-	9.02	152	291936	125.00	ng	84	0.00 4.08%
	Syst 30) Sp: 31) Sp: 44) Sp: 61)	tem Mon CS87 iked An CS15 iked An CS05 iked An	nitoring Compounds Dibromofluoromethane mount 125.000 Ras 1,2-Dichloroethane-D mount 125.000 Ras Toluene-D8 mount 125.000 Ras p-Bromofluorobenzene mount 125.000 Ras	4.36 nge 70 4.61 nge 73 6.05 nge 77	111 - 130 65 - 136 98 - 122 174	163850 Recove 215188 Recove 724326 Recove 198165	139.09 ry = 151.93 ry = 126.31 ry = 114.08	ng 111 ng 121 ng 101	. 278 . 548 . 058	0.00 0.00 0.00
	Targ	get Cor	mpounds		0.5	0			Qva	alue
	2) 3) 4) 5)	C290 C010 C020	Dichlorodifluorome Chloromethane Vinyl chloride Bromomethane	0.00 1.41 1.49	85 50 62 94	0 2046 1329 0	N.D. Below N.D. N.D.	Cal	#	40
	6) 7)	C025	Chloroethane Trichlorofluoromet	1.88	101	409294	2118.41 N. D.	ng	#	53
	9)	C045 C030 C040	Methylene chloride Carbon disulfide	2.97 2.73	96 84 76	2249 1065	Below			78
í	11) 12) 13) 14) 15) 16) 17) 18) 20) 21) 22)	C036 C038 C035 C300 C276 C291 C962 C057 C255 C050	Acrolein Acrylonitrile Acetone Acetonitrile Iodomethane 1,1,2 Trichloro-1, T-butyl Methyl Eth trans-1,2-Dichloro Methyl Acetate	0.00 0.00 2.62 0.00 0.00 0.00 3.21 2.92 0.00 0.00 4.00 0.00 0.00 0.00	56 53 43 41 142 101 73 96 43 63 43 77	0 0 1313 0 0 0 0 2272 699	N.D. N.D. N.D. N.D. N.D. N.D.	ng •		96

Page: 1

Multiplr: 1.00

Data File : D:\MSDCHEM\S\DATA\101106\S7511.D

Vial: 17 Operator: LH Inst : HP5973S Acq On : 11 Oct 2006 17:09 : A6B58604 DF5 FOAMS

Misc MS Integration Params: RTEINT.P

Quant Time: Oct 11 18:16:55 2006 Results File: A6I0001...0 E1.RES

Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration DataAcq Meth : VOA

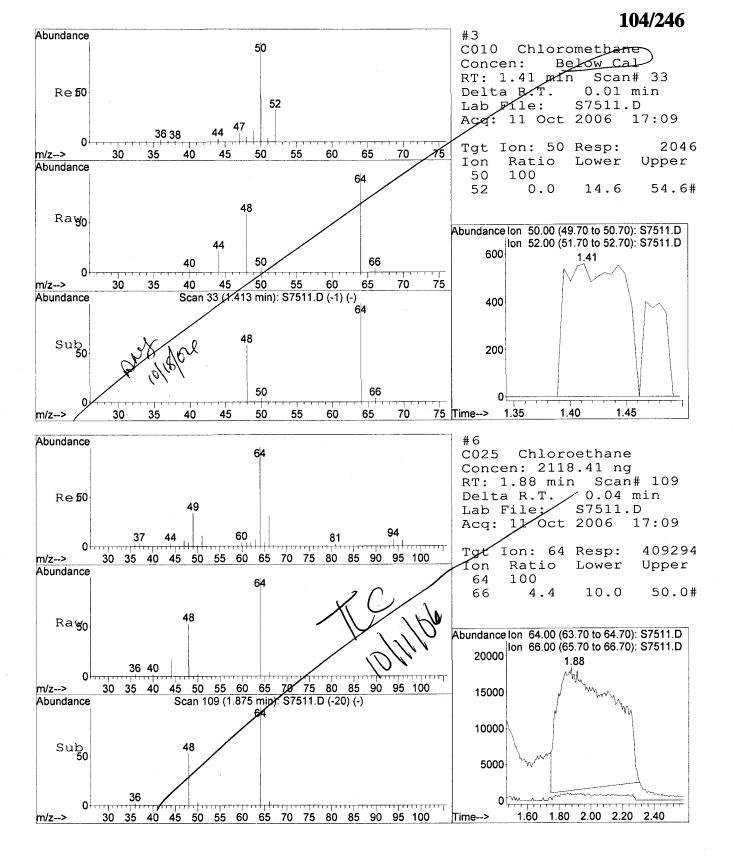
Sample

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

				Conc Units	Rcv(Ar)
39) C130 Bromodichlorometha	0.00	83	0	N.D.	
40) C161 2-Chloroethylvinyl	0.00	63	Ö	N.D.	
41) C012 Methylcycolhexane	0.00	83	Ö	N.D.	
42) C145 cis-1,3-Dichloropr	0.00	75	0	N.D.	
45) C230 Toluene	6.10	92	598	N.D.	
46) C170 trans-1,3-Dichloro	0.00	75	0	N.D.	
•	0.00	69	0	N.D.	
	0.00	83	0	N.D.	
48) C160 1,1,2-Trichloroeth 49) C210 4-Methyl-2-pentano	6.05	43	3185	N.D.	
	0.00	166	0	N.D.	
	0.00	76	0	N.D.	
	0.00	129	0	N.D.	
52) C155 Dibromochlorometha		107	0	N.D.	
53) C163 1,2-Dibromoethane	0.00		0	N.D.	
54) C215 2-Hexanone	0.00	43	0		
55) C235 Chlorobenzene	0.00	112 131	0	N.D. N.D.	
56) C281 1,1,1,2-Tetrachlor	0.00				
57) C240 Ethylbenzene	7.27	91	2145	N.D.	
58) C246 m,p-Xylene	7.36	106	573	N.D.	
59) C247 o-Xylene	0.00	106	0	N.D.	
60) C245 Styrene	0.00	104	0	N.D.	
63) C180 Bromoform	0.00	173	0	N.D.	
64) C966 Isopropylbenzene	0.00	105	0	N.D.	
65) C301 Bromobenzene	0.00	156	0	N.D.	
66) C225 1,1,2,2-Tetrachlor	0.00	83	0	N.D.	
67) C282 1,2,3-Trichloropro	0.00	110	0	N.D.	
68) C283 t-1,4-Dichloro-2-B	0.00	53	0	N.D.	
69) C302 n-Propylbenzene	0.00	91	0	N.D.	
70) C303 2-Chlorotoluene	0.00	126	0	N.D.	
71) C289 4-Chlorotoluene	0.00	126	0	N.D.	
72) C304 1,3,5-Trimethylben	0.00	105	0	N.D.	
73) C306 tert-Butylbenzene	0.00	134	0	N.D.	
74) C307 1,2,4-Trimethylben	0.00	105	0	N.D.	
75) C308 sec-Butylbenzene	0.00	105	0	N.D.	
76) C260 1,3-Dichlorobenzen	0.00	146	0	N.D.	
77) C309 4-Isopropyltoluene	0.00	119	0	N.D.	
78) C267 1,4-Dichlorobenzen	0.00	146	0	N.D.	
79) C249 1,2-Dichlorobenzen	0.00	146	0	N.D.	
80) C310 n-Butylbenzene	0.00	91	0	N.D.	
81) C286 1,2-Dibromo-3-Chlo	0.00	75	0	N.D.	
82) C313 1,2,4-Trichloroben	0.00	180	0	N.D.	
83) C316 Hexachlorobutadien	0.00	225	0	N.D.	
84) C314 Naphthalene	0.00	128	0	N.D.	
85) C934 1,2,3-Trichloroben	0.00	180	0	N.D.	

^(#) = qualifier out of range (m) = manual integration (+) = signals summed





30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105

3.94 3.96 3.98 4.00 4.02 4.04 4.06

Time--->

106/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDCHEM\S\DATA\101106\S7511.D
Acq On : 11 Oct 2006 17:09
Sample : A6B58604 DF5 FOAMS
Misc :

Vial: 177 Operator: LHH Inst : HP5973SS Multiplr: 1.000

MS Integration Params: LSCINT.P

|--Internal Standard---|

TIC Top Hit name RT EstConc Units Response | # RT Resp Conc|

Library : C:\DATABASE\NISTO2.L

No Library Search Compounds Detected ************

A6B58605

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name:	STL Buff	alo	Contract:	-	ENV-7
Lab Code:	RECNY	Case No.:	SAS No.:	SDG No.:	

Matrix: (soil/water) WATER

Sample wt/vol: $\underline{5.00}$ (g/mL) \underline{ML} Lab File ID: $\underline{S7512.RR}$

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/05/2006</u> <u>10/05/2006</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/11/2006

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.00

Soil Extract Volume: ____ (uL) Soil Aliquot Volume: ____ (uL)

CONCENTRATION UNITS:

Lab Sample ID:

CAS NO.	COMPOUND	(ug/L or ug/K		Q
74-87-3	Chloromethane		5	U
74-83-9	Bromomethane		5	ן שן
75-01-4	Vinyl chloride		100	
75-00-3	Chloroethane		5	U
75-09-2	Methylene chloride		5	U
67-64-1	Acetone		25	ע
75-15-0	Carbon Disulfide		5	U
75-35-4	1,1-Dichloroethene		5	U
75-34-3	1,1-Dichloroethane		3	J
67-66-3	Chloroform		5	ע
107-06-2	1,2-Dichloroethane		5	U
78-93-3	2-Butanone		25	U
71-55-6	1,1,1-Trichloroethane		5	U
56-23-5	Carbon Tetrachloride		5	U
75-27-4	Bromodichloromethane		5	U
78-87-5	1,2-Dichloropropane		5	U
10061-01-5	cis-1,3-Dichloropropene		5	U
79-01-6	Trichloroethene		5	U
124-48-1	Dibromochloromethane		5	U
79-00-5	1,1,2-Trichloroethane		5	U
71-43-2	Benzene		5	U
10061-02-6	trans-1,3-Dichloropropene		5	U
75-25-2	Bromoform		·5	U
108-10-1	4-Methyl-2-pentanone		25	U
591-78-6	2-Hexanone		25	U
127-18-4	Tetrachloroethene		5	U
108-88-3	Toluene		5	U
79-34-5	1,1,2,2-Tetrachloroethane		5	U
108-90-7	Chlorobenzene		5	U
100-41-4	Ethylbenzene		5	U
100-42-5	Styrene		5	[U]
1330-20-7	Total Xylenes		15	U
	Dichlorodifluoromethane		5	U
75-69-4	Trichlorofluoromethane		5	ע

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

		ENV-7	
Lab Name: STL Buffalo Contract:		<u> </u>	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	- .	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58605	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	S7512.RR	·
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006	10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	5.00	
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q
76-13-11,1,2-Trichloro-1,2,2-trifluct 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE)_ 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane		5 UU 5 UU 5 UU 5 UU 5 UU 5 UU 5 UU 5 U	

79-20-9-----Methyl acetate

109/246

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

					ENV-7		
Lab Name:	STL Buffalo	Contract:	-		L		· · · · · · · · · · · · · · · · · · ·
Lab Code:	RECNY Case No.	.: SAS No.:	SDG No.: _				
Matrix: ((soil/water) <u>WATER</u>		Lab Sampl	le ID:	<u>A6B5860</u>)5	
Sample wt	:/vol:5.00	0 (g/mL) <u>ML</u>	Lab File	ID:	<u>87512.</u>	R.	
Level:	(low/med) <u>LOW</u>		Date Samp	/Recv:	10/05/2	2006 <u>10</u>	0/05/2006
% Moistur	re: not dec	_	Date Anal	lyzed:	10/11/2	<u>2006</u>	
GC Column	n: <u>DB-624</u> ID:	: <u>0.53</u> (mm)	Dilution	Factor	:5.0	00	
Soil Extract Volume: (uL)			Soil Aliquot Volume: (uL)				(uL)
Number TI	Cs found: 0		CONCENTRATI			-	
ĺ	CAS NO.	Compound Name	RT	Est.	Conc.	Q	**=

(Not Reviewed) 110/246 Quantitation Report STL Buffalo

Multiplr: 1.00

Data File : D:\MSDCHEM\S\DATA\101106\S7512.D

Vial: 18 : 11 Oct 2006 17:33 Operator: LH : HP5973S Inst

: A6B58605 DF5 FOAMS Sample

Misc MS Integration Params: RTEINT.P

Results File: A6I0001...0_E1.RES Quant Time: Oct 11 18:17:03 2006

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

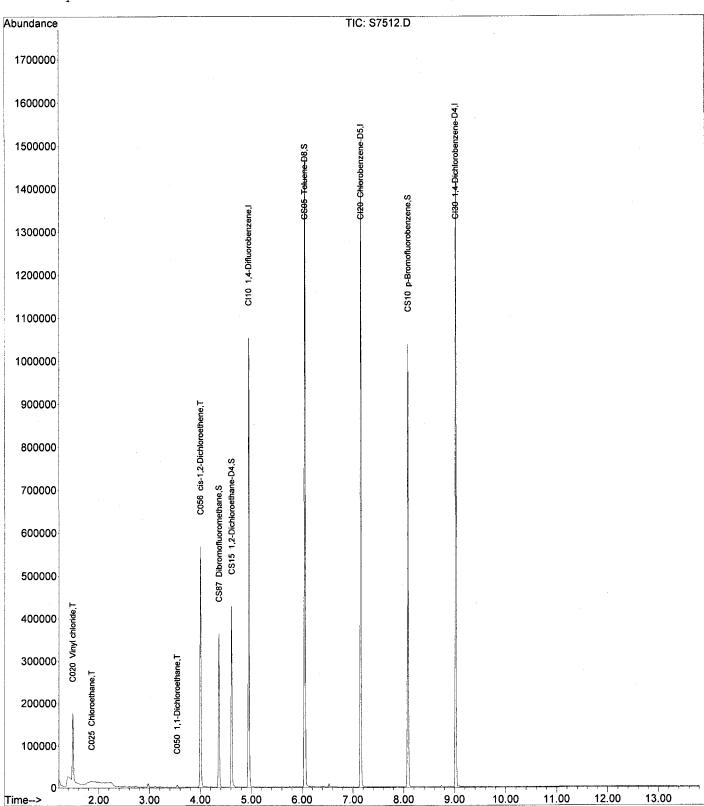
Title 8260 5ML WATER

: Wed Oct 11 12:01:01 2006 Last Update

Response via: Initial Calibration

DataAcq Meth: VOA

Acq On



Data File : D:\MSDCHEM\S\DATA\101106\S7512.D

Vial: 18 Operator: LH

Acq On : 11 Oct 2006 17:33 Sample : A6B58605 DF5 FOAMS Inst : HP5973S Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 18:17:03 2006 Results File: A6I0001...0 E1.RES

Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006) 9:36)

Internal	Standards	R.T.	QIon	Response	Conc U	nits		(Min) (Ar)
1) CI10	1,4-Difluorobenzene	4.95	114	592775	125.00	ng	9:	0.00
43) CI20	Chlorobenzene-D5	7.16	117	620927	125.00	ng		0.00 1.15%
62) CI30	1,4-Dichlorobenzene-	9.02	152	304196	125.00	ng		0.00 7.61%
System Mo 30) CS87	nitoring Compounds Dibromofluoromethane	4.36	111	165724	137.98	ng		0.00
Spiked A 31) CS15	mount 125.000 Rar 1,2-Dichloroethane-D	nge 70 4.61	- 130 65		ry = 151.56	ng	.38%	0.00
Spiked A 44) CS05	mount 125.000 Rar	nge 73 6.05	- 136 98		ry = 124.14	ng	.25%	0.00
	p-Bromofluorobenzene	nge 77 8.08 nge 74		203916	113.42	ng 🏚	.31%	0.00
Target Co		ige /4	120	1100010	- y	30		alue
2) C290	Dichlorodifluorome	0.00	85 50	0 2491	N.D. Below	Cal	#	40
3) C010 4) C020		1.49	62 94	134456	104.35 N.D.		π	86
5) C015 6) C025	Chloroethane	1.86	64	1709 28 0	867.71 N.D.	ng	#	54
7) C275 8) C045	Trichlorofluoromet 1,1-Dichloroethene	0.00	101 96	0	N.D.	Q - 1	ш	70
9) C030 10) C040	Methylene chloride Carbon disulfide	2.98 2.73	84 76	3260 3451	Below N.D.	Cal	#	73
11) C036 12) C038	Acrolein Acrylonitrile	0.00	56 53	0	N.D. N.D.			
13) C035	Acetone	2.62	43	2091	N.D.			
14) C300 15) C276	Acetonitrile Iodomethane	0.00	41 142	0 0	N.D. N.D.			
16) C291	1,1,2 Trichloro-1,		101	0	N.D.			
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D. N.D.			
18) C057 19) C255	trans-1,2-Dichloro Methyl Acetate	3.21 2.91	96 43	697 810	N.D.			
(20) C050	1,1-Dichloroethane	3.54		6170	2.77	ng 🛮		97
21) 6125	Vinyl Acetate	0.00	43	0	N.D.			
22) C051 C056	2,2-Dichloropropan cis-1,2-Dichloroethe	0.00 4.00	77 96	0 174607	N.D. 142.75	മവം		95
24) C272	Tetrahydrofuran	0.00	42	0	N.D.	1194		30
25) C222	Bromochloromethane	0.00	128	0	N.D.			
26) C060	Chloroform	0.00	83	0	N.D.			
27) C115 28) C120	1,1,1-Trichloroeth Carbon tetrachlori	0.00	97 117	0 0	N.D. N.D.			
29) C116	1,1-Dichloropropen	0.00	75	Ö	N.D.			
32) C165	Benzene	4.67	78	2158	N.D.			
33) C065	1,2-Dichloroethane 2-Butanone	0.00 4.09	62 43	0 1282	N.D. N.D.			
34) C110 35) C256	Cyclohexane	0.00	43 56	0	N.D.			,
36) C150	Trichloroethene	0.00	95	Ö	N.D.			M
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.			\\'\\
38) C278	Dibromomethane	0.00	93	0	N.D.			<i>*</i> 101

Vial: 18 Operator: LH Inst : HP5973S Data File : D:\MSDCHEM\S\DATA\101106\S7512.D Acq On : 11 Oct 2006 17:33 : A6B58605 DF5 FOAMS Sample

Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Results File: A6I0001...0_E1.RES Quant Time: Oct 11 18:17:03 2006

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Internal	Standards	R.T	. QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	 83	0	N.D.	
40) C161		0.00	63	Ö	N.D.	
41) C012		0.00	83	Ö	N.D.	
42) C145		0.00	75	Ŏ	N.D.	
45) C230		6.10	92	143	N.D.	
46) C170		0.00	75	0	N.D.	
47) C284		0.00	69	0	N.D.	
48) C160	_	0.00	83	0	N.D.	
49) C210		6.05	43	3357	N.D.	
50) C220		6.53	166	2010	N.D.	
51) C221		0.00	76	0	N.D.	
52) C155		0.00	129	0	N.D.	
53) C163		0.00	107	0	N.D.	
54) C215		0.00	43	0	N.D.	
55) C235		0.00	112	0	N.D.	
56) C281		0.00	131	0	N.D.	
57) C240	· · · · · · · · · · · · · · · · · · ·	7.27	91	469	N.D.	
58) C246		0.00	106	0	N.D.	
59) C247		0.00	106	0	N.D.	
60) C245		0.00	104	0	N.D.	
63) C180	-	0.00	173	0	N.D.	
64) C966		0.00	105	0	N.D.	
65) C301		0.00	156	0	N.D.	
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.	
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.	
68) C283	t-1,4-Dichloro-2-B	0.00	53	0	N.D.	
69) C302	n-Propylbenzene	8.30	91	771	N.D.	
70) C303	2-Chlorotoluene	0.00	126	0	N.D.	
71) C289	4-Chlorotoluene	0.00	126	0	N.D.	
72) C304	1,3,5-Trimethylben	8.43	105	302	N.D.	
73) C306	tert-Butylbenzene	0.00	134	0	N.D.	
74) C307	1,2,4-Trimethylben	8.74	105	2440	N.D.	
75) C308		8.74	105	2440	N.D.	
76) C260	1,3-Dichlorobenzen	9.04	146	547	N.D.	
77) C309	4-Isopropyltoluene	9.00	119	517	N.D.	
78) C267		9.04	146	547	N.D.	
79) C249		0.00	146	0	N.D.	
80) C310		9.33	91	132	N.D.	
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.	
82) C313		0.00	180	0	N.D.	
83) C316		0.00	225	0	N.D.	
84) C314		10.87	128	453	N.D.	
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.	

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

65

70

60

55

30

m/z-->

35

40

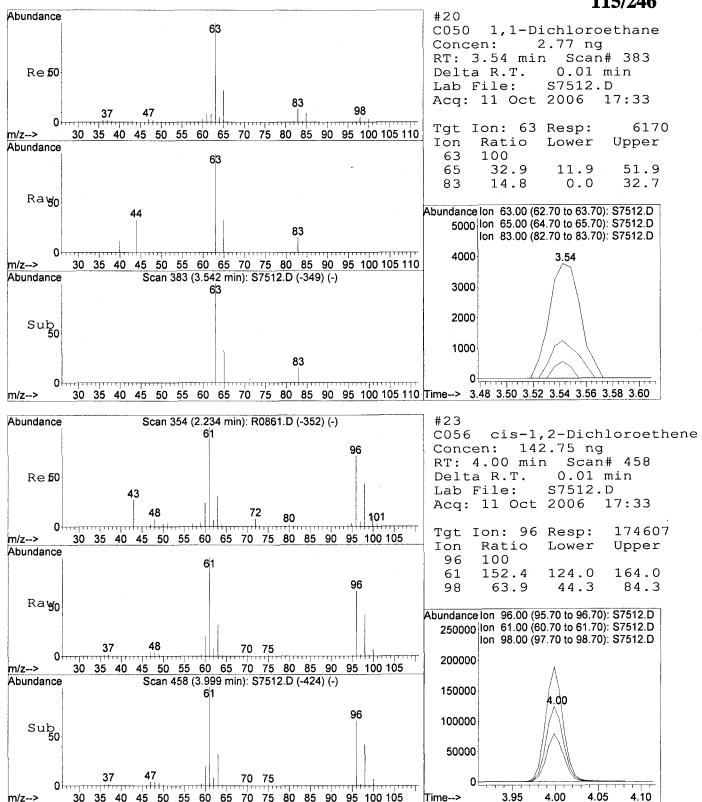
45

1.45

75 Time-->

1.50

1.55



116/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDCHEM\S\DATA\101106\S7512.D
Acq On : 11 Oct 2006 17:33
Sample : A6B58605 DF5 FOAMS
Misc :

MS Integration Params: LSCINT.P

|--Internal Standard---|

Vial: 188
Operator: LHH
Inst : HP5973SS
Multiplr: 1.000

TIC Top Hit name RT EstConc Units Response | # RT Resp Conc|

Library : C:\DATABASE\NIST02.L

No Library Search Compounds Detected ************

	ENV-8
Lab Name: STL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.: _	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A6B58606
Sample wt/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID: <u>S7513.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/05/2006</u> <u>10/05/2006</u>
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>10/11/2006</u>
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:5.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
74-87-3Chloromethane 74-83-9Bromomethane 75-01-4Vinyl chloride 75-00-3Chloroethane 75-09-2Methylene chloride 67-64-1Acetone 75-15-0Carbon Disulfide	5 U 5 U 5 U

		ENV-8	
Lab Name: <u>STL Buffalo</u> Contract:			
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	-	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58606	• .
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	S7513.RR	· · · · · · · · · · · · · · · · · · ·
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006	10/05/2006
% Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006	5
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	5.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	lume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q
76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cyclohexane 110-82-7Methylcyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene 79-20-9		5 T T T T T T T T T T T T T T T T T T T]]]]]]]]

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

			ENV-8	-	
Lab Name: <u>STL Buffalo</u>	Contract:				
Lab Code: <u>RECNY</u> Case No.	.: SAS No.:	SDG No.:	- .		
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID:	<u>A6B5860</u>	<u>)6</u>	
Sample wt/vol: 5.00	<u>)</u> (g/mL) <u>ML</u>	Lab File ID:	S7513.F	R.	_
Level: (low/med) <u>LOW</u>		Date Samp/Recv	л: <u>10/05/2</u>	2006 10	0/05/2006
% Moisture: not dec.	- '	Date Analyzed	<u> 10/11/2</u>	2006	٠,
GC Column: <u>DB-624</u> ID:	: <u>0.53</u> (mm)	Dilution Facto	or:5.0	<u>)0</u>	
Soil Extract Volume:	(uL)	Soil Aliquot N	Volume:	****	(uL)
Number TICs found: _0		CONCENTRATION UN (ug/L or ug/Kg)		-	
CAS NO.	Compound Name	RT Est	. Conc.	Q	

(Not Reviewed) 120/246 Quantitation Report STL Buffalo

Multiplr: 1.00

Data File : D:\MSDCHEM\S\DATA\101106\S7513.D

Vial: 19 : 11 Oct 2006 17:58 Acq On Operator: LH : HP5973S : A6B58606 DF5 FOAMS Sample Inst

Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 18:17:13 2006 Results File: A6I0001...0 E1.RES

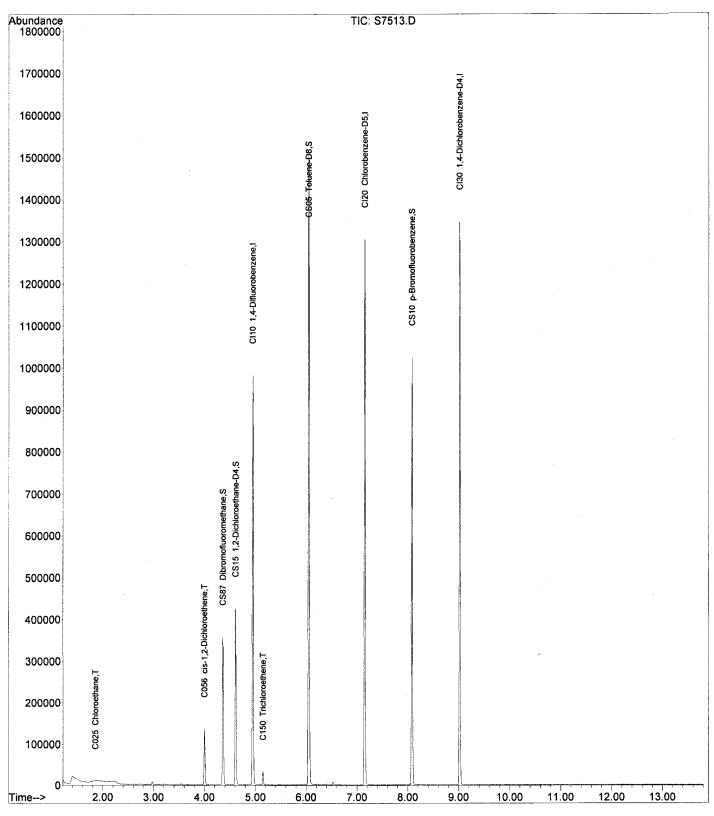
Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

: 8260 5ML WATER Title

: Wed Oct 11 12:01:01 2006 Last Update

Response via : Initial Calibration

DataAcq Meth: VOA



Quantitation Report STL Buffalo (Not Reviewed) 121/246

Data File : D:\MSDCHEM\S\DATA\101106\S7513.D Vial: 19 Operator: LH Inst : HP5973S Multiplr: 1.00 Acq On : 11 Oct 2006 17:58 : A6B58606 DF5 FOAMS Sample

Misc

MS Integration Params: RTEINT.P Results File: A6I0001...0_E1.RES Quant Time: Oct 11 18:17:13 2006

Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration

DataAcq Meth : VOA

Inte	ernal :	Standards	R.T.	QIon	Response	Conc Ur	nits	Rcv	(Ar)	M
1)	CI10	1,4-Difluorobenzene	4.95	114	558991	125.00	ng		0.00 5.89%	TC
43)	CI20	Chlorobenzene-D5	7.16	117	580332	125.00	ng	Ωι	0.00	
62)	CI30	1,4-Dichlorobenzene-	9.02	152						
Syst	cem Moi	nitoring Compounds								
30)	CS87	Dibromofluoromethane mount 125.000 Rai	4.36	111 - 130	168316 Recove	148.61 rv =	ng 118.	.89%	0.00	
31 Ì	CS15	1.2-Dichloroethane-D	4 . 61	65	218586	160.52	nq		0.00	
5p:	CS05	mount 125.000 Rai Toluene-D8 mount 125.000 Rai	6.05	98	742322	133.82	ng	0.60	0.00	
61)	CS10	p-Bromofluorobenzene	8.08	174	202848	120.72	ng∙		0.00	
Spi	iked A	mount 125.000 Ra	nge 74	- 120	Recove	ry =	96.	.58%		
		mpounds	0.00	0.5	0	N.D.		Qva	alue	
3)	C290	Dichlorodifluorome Chloromethane Vinyl chloride	1.41	85 50	1382	Below	Cal	#	40	
4) 5)	C020	Vinyl chloride Bromomethane	0.00	62 94	0 0	N.D. N.D.				
6)	C025	Chloroethane Trichlorofluoromet	1.86	64 .	113692 0		ng_	#	45	
7)	C275 C045	1,1-Dichloroethene	0.00	96	0	N.D.				
	C030	Methylene chloride	2.98	84 76	2359 477	Below N.D.	Cal	#	82	
	C040 C036	Carbon disulfide Acrolein	0.00	56	0	N.D.				
2)	C038	Acrylonitrile	0.00	53	0	N.D.				
\sim \sim	~~~ ~ ~ ~	Acetone	2.62	43	1533	N.D.				
4)	C300	Acetone Acetonitrile Todomethane		41	0	N.D.				
/	02,0	1000	0.00	142	0 0	N.D. N.D.				
.b)	C291	1,1,2 Trichloro-1,	0.00	101 73	0	N.D.				
8)	C057	trans-1.2-Dichloro	3.21	96	799	N.D.				
9)	C255	Methyl Acetate	2.92	43	765	N.D.				
20)	C050	T-butyl Methyl Eth trans-1,2-Dichloro Methyl Acetate 1,1-Dichloroethane	3.54	63	2392	N.D.				
21)	C125	Vinyl Acetate	0.00	43	0	N.D.		f		
22)	C051	2,2-Dichloropropan	0.00	77	0	N.D.			0.1	
23	<u>C</u> 056	cis-1,2-Dichloroethe	4.00	96	41510	35.99	ng		91	
24) 25)	C272 C222	Tetrahydrofuran Bromochloromethane	0.00	42 128	0 0	N.D. N.D.				
25) 26)	C060	Chloroform	0.00	83	Ö	N.D.				
27)	C115	1,1,1-Trichloroeth	0.00	97	Ō	N.D.				
28)	C120	Carbon tetrachlori		117	0	N.D.	*			
29)	C116	1,1-Dichloropropen	0.00	75	0	N.D.				
32)	C165	Benzene	0.00	78	0	N.D.				
33)	C065	1,2-Dichloroethane	0.00	62	1102	N.D.				
34) 35)	C110 C256	2-Butanone Cyclohexane	4.08 0.00	43 56	1192 0	N.D. N.D.				
367	C256 C150	Trichloroethene	5.15	95	8422	7.77	na		97	(M
	C140	1,2-Dichloropropan	0.00	63	0	N.D.	٠.			W. V
37)	CITO	- /			0	N.D.				/// 1 //

Page: 1

Quantitation Report STL Buffalo (Not Reviewed) 122/246

Data File : D:\MSDCHEM\S\DATA\101106\S7513.D Vial: 19 Operator: LH Inst : HP5973S Acq On : 11 Oct 2006 17:58 Sample : A6B58606 DF5 FOAMS Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 18:17:13 2006 Results File: A6I0001...0 E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update: Wed Oct 11 12:01:01 2006
Response via: Initial Calibration
DataAcq Meth: VOA

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Int	ernal	Standards	R.T	. QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
391	C130	Bromodichlorometha	0.00	83	0	N.D.	
,	C161	2-Chloroethylvinyl	0.00	63	Ö	N.D.	
41)	C012	Methylcycolhexane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloropr	0.00	75	0	N.D.	
45)	C230	Toluene	0.00	92	0	N.D.	
46)	C170	trans-1,3-Dichloro	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroeth	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentano	6.05	43	3180	N.D.	
50)	C220	Tetrachloroethene	6.53	166	1723	N.D.	
51)	C221	1,3-Dichloropropan	0.00	76	0	N.D.	
52)	C155	Dibromochlorometha	0.00	129	0	N.D.	
53)		1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	. 0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.15	91	1078	N.D.	
58)		m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
	C245	Styrene	0.00	104	0	N.D.	
	C180	Bromoform	0.00	173	0	N.D.	
64)		Isopropylbenzene	0.00	105	0	N.D.	
65)		Bromobenzene	0.00	156	0	N.D.	
66)		1,1,2,2-Tetrachlor	0.00	83	. 0	N.D.	
	C282	1,2,3-Trichloropro	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-B	0.00	53	0	N.D.	
	C302	n-Propylbenzene	0.00	91	0	N.D.	
	C303	2-Chlorotoluene	0.00	126	0	N.D.	
	C289	4-Chlorotoluene	0.00	126	0	N.D.	
	C304	1,3,5-Trimethylben	0.00	105	0	N.D.	
	C306	tert-Butylbenzene	0.00	134	0	N.D.	
	C307	1,2,4-Trimethylben	0.00	105		N.D.	
	C308	sec-Butylbenzene	0.00	105	0	N.D.	
	C260	1,3-Dichlorobenzen	0.00	146	0	N.D. N.D.	
	C309	4-Isopropyltoluene	0.00	119			
78)		1,4-Dichlorobenzen	0.00	146 146	0	N.D. N.D.	
	C249	1,2-Dichlorobenzen	0.00		0	N.D.	
80)	C310 C286	n-Butylbenzene	0.00	91 75	0	N.D.	
		1,2-Dibromo-3-Chlo			0		
82)	C313 C316	1,2,4-Trichloroben Hexachlorobutadien	0.00	180 225	0	N.D. N.D.	•
84)		Naphthalene	0.00	128	0	N.D.	
-	C934	1,2,3-Trichloroben	0.00	180	0	N.D.	
•		1,2,5-111CM1010ben					

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Page: 2

1.60 1.80 2.00 2.20 2.40

2000

Time-->

35 40 45 50 55 60 65 70 75 80 85 90 95 100

Sub 50

m/z-->

70

30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105

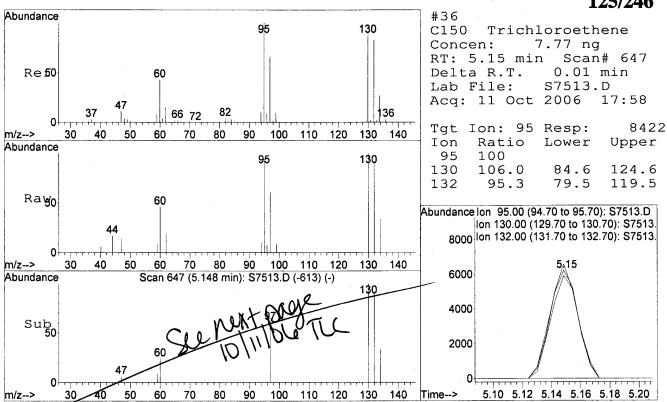
48

3.95

Time-->

4.00

4.05



: HP5973S

Vial: 19

Operator: LH

Multiplr: 1.00

Inst

Data File: D:\MSDCHEM\S\DATA\101106\S7513.D

Acq On 11 Oct 2006 17:58

A6B58606 DF5 FOAMS

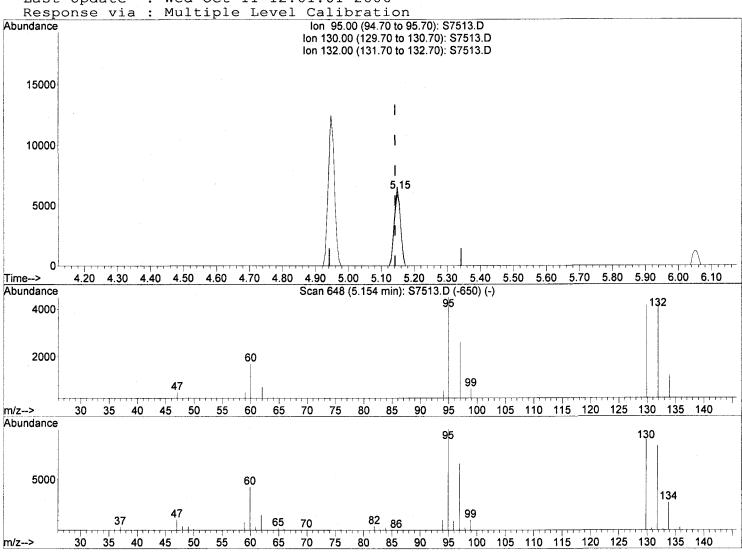
Sample Misc

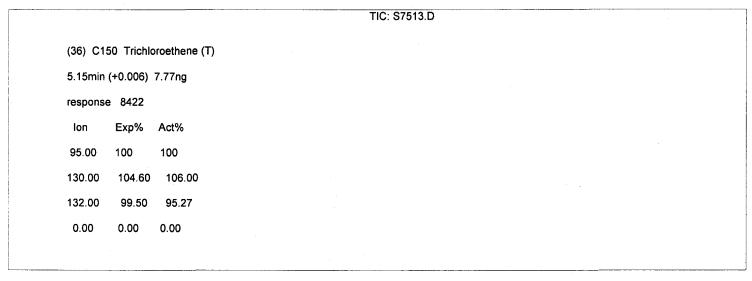
MS Integration Params: RTEINT.P Ouant Time: Oct 11 18:23:39 2006

Method : D:\MSDCHEM\S\MET...1998ASP8260 E1.M (RTE Integrator)

Title 8260 5ML WATER

: Wed Oct 11 12:01:01 2006 Last Update





127/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDCHEM\S\DATA\101106\S7513.D

Acq On : 11 Oct 2006 17:58 Sample : A6B58606 DF5 FOAMS

Misc

MS Integration Params: LSCINT.P

Vial: 199 Operator: LHH Inst : HP5973SS Multiplr: 1.000

|--Internal Standard---|

TIC Top Hit name RT EstConc Units Response | # RT Resp Conc |

Library : C:\DATABASE\NISTO2.L

No Library Search Compounds Detected

Client No.

			ENV-9
Lab Name: <u>STL Buffalo</u>	Contract:		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A6B58607
Sample wt/vol: 5.00 (g/mL)	<u>ML</u>	Lab File ID:	S7514.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec Heate	ed Purge: <u>N</u>	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	5.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)

CONCENTRATION UNITS:

		CONCENTRATION U			
CAS NO.	COMPOUND	(ug/L or ug/Kg	J)	UG/L	Q
74-87-3	Chloromethane			5	ט
74-83-9	Bromomethane			5	U
75-01-4	Vinyl chloride			5	ן ט
75-00-3	Chloroethane			5	U
75-09-2	Methylene chloride			5	ע
67-64-1	Acetone			25	U
75-15-0	Carbon Disulfide			5	U
75-35-4	1,1-Dichloroethene			5	U
75-34-3	1,1-Dichloroethane			5	U
67-66-3	Chloroform			5	ן ט
107-06-2	1,2-Dichloroethane			5	U
78-93-3	2-Butanone			25	ע
71-55-6	1,1,1-Trichloroethane			5	U
	Carbon Tetrachloride			5	ַ ע
75-27-4	Bromodichloromethane			5	ע
78-87-5	1,2-Dichloropropane			5	ע
10061-01-5	cis-1,3-Dichloropropene			5	ע
79-01-6	Trichloroethene			5	ט
124-48-1	Dibromochloromethane			. 5	U
79-00-5	1,1,2-Trichloroethane			5	U
71-43-2	Benzene			5	U
10061-02-6	trans-1,3-Dichloropropene			5	U
75-25-2				5	U
108-10-1	4-Methyl-2-pentanone			25	U
591-78-6	2-Hexanone			25	U
127-18-4	Tetrachloroethene			5	U
108-88-3	Toluene			5	U.
79-34-5	1,1,2,2-Tetrachloroethane			5	U
108-90-7	Chlorobenzene			5	U
100-41-4	Ethylbenzene			5	U
100-42-5				5	U
	Total Xylenes			15	ט
	Dichlorodifluoromethane			5	U
75-69-4	Trichlorofluoromethane			5	U
i					.1

		_					ENV-9		
Lab Name	: STL Buffa	<u>lo</u>	Contract:		_				
Lab Code	: RECNY	Case No.:	SAS No.:		SDG No.:				
Matrix:	(soil/water) <u>WATER</u>			Lab Sample	e ID:	A6B58607	7	
Sample w	t/vol:	<u>5.00</u> (g/mL)	ML		Lab File 1	ID: "	S7514.RF	2	•
Level:	(low/med)	LOW			Date Samp,	/Recv:	10/05/20	006 10/	<u> 05/2006</u>
% Moistu	re: not dec	Heate	d Purge: <u>N</u>		Date Analy	zed:	10/11/20	006	
GC Colum	n: <u>DB-624</u>	ID: <u>0.53</u> (nm)		Dilution I	Factor:	5.00	<u>)</u>	
Soil Ext	ract Volume	: (uL)			Soil Aliq	uot Vol	ume:		uL)
	CAS NO.	COMPOUND			CENTRATION g/L or ug/I			Q	
	156-60-5 1634-04-4- 156-59-2 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8 120-82-1	1,1,2-Trichtrans-1,2-DMethyl-t-BuCyclohexaneMethylcyclo1,2-DibromoIsopropylbe1,4-Dichlor1,2-Dibromo1,2-Dibromo1,2-Dibromo1,2-Dibromo	ichloroethene tyl Ether (MI hloroethene hexane ethane nzene obenzene obenzene -3-chloroprop lorobenzene	BE)			5 5 5 5 5 5 5 5 5 5 5 5 5 5	מממממממממממ	

130/246

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

- 1				ENV-9		
Lab Name:	STL Buffalo	Contract:			·	
Lab Code:	<u>RECNY</u> Case No	.: SAS No.:	SDG No.: _			
Matrix: ((soil/water) <u>WATER</u>		Lab Samp	le ID: <u>A6B58</u>	<u>607 </u>	
Sample wt	:/vol:	<u>O</u> (g/mL) <u>ML</u>	Lab File	ID: <u>\$7514</u>	.RR	_
Level:	(low/med) <u>LOW</u>		Date Samp	p/Recv: <u>10/05</u>	/2006 <u>10</u>	0/05/2006
% Moistur	re: not dec	-	Date Ana.	lyzed: <u>10/11</u>	/2006	
GC Column	n: <u>DB-624</u> ID	: <u>0.53</u> (mm)	Dilution	Factor:5	.00	
Soil Extr	ract Volume:	(uL)	Soil Alio	quot Volume: _		(uL)
Number TI	Cs found: <u>0</u>		CONCENTRATION (ug/L or u	ION UNITS: ug/Kg) <u>UG/L</u>	·	
:	CAS NO.	Compound Name	RT	Est. Conc.	Q	

(Not Reviewed) **131/246** Quantitation Report STL Buffalo

Multiplr: 1.00

Data File : D:\MSDCHEM\S\DATA\101106\S7514.D

Vial: 20 Acq On : 11 Oct 2006 18:23 Operator: LH : A6B58607 DF5 FOAMS Inst : HP5973S Sample

Misc

MS Integration Params: RTEINT.P

Results File: A6I0001...0 E1.RES Quant Time: Oct 11 19:29:06 2006

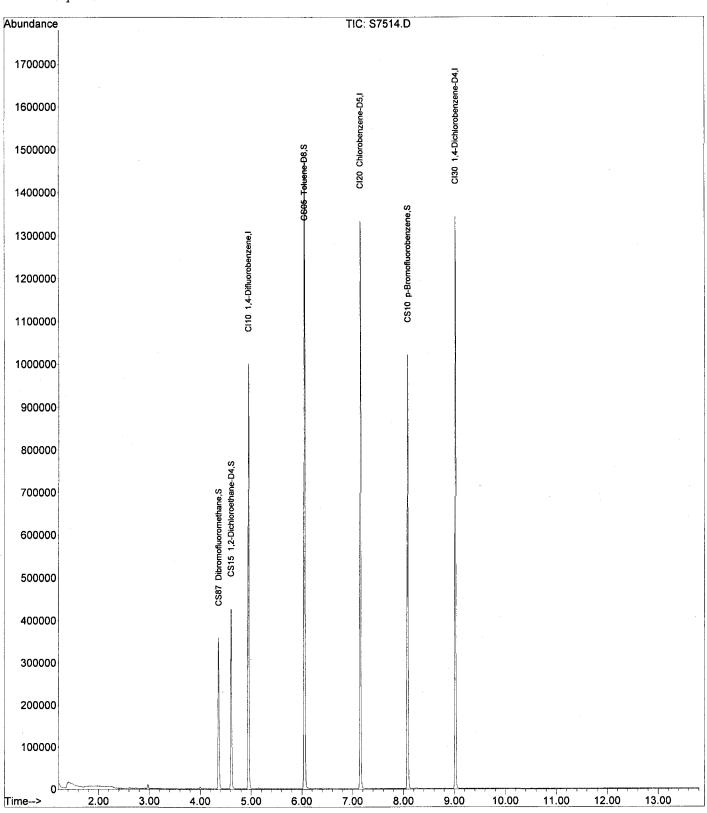
Quant Method : D:\MSDCHEM\S......1998ASP8260_E1.M (RTE Integrator)

Title 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

DataAcq Meth: VOA



Quantitation Report STL Buffalo (Not Reviewed) 132/246

Data File : D:\MSDCHEM\S\DATA\101106\S7514.D Vial: 20 Operator: LH Inst : HP5973S : 11 Oct 2006 18:23 : A6B58607 DF5 FOAMS Acq On Sample

Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 19:29:06 2006 Results File: A6I0001...0 E1.RES

Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006)

Internal	Standards						Rcv	(Ar)	Ť
1) CI10	1,4-Difluorobenzene				125.00	ng		0.00	
43) CI20	Chlorobenzene-D5	7.16	117	587524	125.00	ng	9.6	0.00	
62) CI30	1,4-Dichlorobenzene	9.02	152	282536	125.00	ng	81	0.00	
30) CS87 Spiked A 31) CS15 Spiked A 44) CS05 Spiked A 61) CS10	onitoring Compounds Dibromofluoromethane Amount 125.000 Ra 1,2-Dichloroethane-la Amount 125.000 Ra Toluene-D8 Amount 125.000 Ra p-Bromofluorobenzene Amount 125.000 Ra	ange 70 0 4.61 ange 73 6.05 ange 77 e 8.08	- 130 65 - 136 98 - 122 174	Recove 219475 Recove 731999 Recove 201636	ry = 160.46 ry = 130.34 ry = 118.53	116 ng 128 ng 104 ng	.25% .37% .27%	0.00	
	ompounds	ange /4	- 120	Recove	- ·			ılue	
2) C290 3) C010 4) C020 5) C015 6) C025	Dichlorodifluorome Chloromethane Vinyl chloride Bromomethane Chloroethane	1.40 0.00 0.00 0.00	50 62 94 64		N.D. Below N.D. N.D.	Cal	#		
16) C276 16) C291 17) C962	1,1-Dichloroethene Methylene chloride Carbon disulfide Acrolein Acrylonitrile Acetone Acetonitrile Iodomethane 1,1,2 Trichloro-1, T-butyl Methyl Eth trans-1,2-Dichloro Methyl Acetate 1,1-Dichloroethane Vinyl Acetate 2,2-Dichloropropan cis-1,2-Dichloroet Tetrahydrofuran Bromochloromethane Chloroform 1,1,1-Trichloroeth Carbon tetrachlori 1,1-Dichloropropan Benzene 1,2-Dichloroethane 2-Butanone Cyclohexane Trichloroethene 1,2-Dichloropropan Dibromomethane	0.00 0.00 0.00 3.21 2.91 3.54 0.00 0.00 4.00 0.00 0.00 0.00 0.00	142 101 73 96 43 63 43	0 0 333 818 1113 0	N.D. N.D. N.D.	Cal	#	71	

Page: 1

Vial: 20 Operator: LH

Data File : D:\MSDCHEM\S\DATA\101106\S7514.D
Acq On : 11 Oct 2006 18:23
Sample : A6B58607 DF5 FOAMS Inst : HP5973S Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 19:29:06 2006 Results File: A6I0001...0 E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260 E1.M (RTE Integrator)

Title : 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS On File

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Int	ernal	Standards	R.T	. QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39)	C130	Bromodichlorometha	0.00	83	0	N.D.	
40)	C161	2-Chloroethylvinyl	0.00	63	0	N.D.	
	C012	Methylcycolhexane	0.00	83	0	N.D.	
	C145	cis-1,3-Dichloropr	0.00	75	0	N.D.	
	C230	Toluene	0.00	92	0	N.D.	
	C170	trans-1,3-Dichloro	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
	C160	1,1,2-Trichloroeth	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentano	6.05	43	3168	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropan	0.00	76	, 0	N.D.	
52)	C155	Dibromochlorometha	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)		1,1,1,2-Tetrachlor	0.00	131	. 0	N.D.	
57)	C240	Ethylbenzene	7.27	91	270	N.D.	
	C246	m,p-Xylene	0.00	106	0	N.D.	
	C247	o-Xylene	0.00	106	0	N.D.	
	C245	Styrene	0.00	104	0	N.D.	
	C180	Bromoform	0.00	173	0	N.D.	
	C966	Isopropylbenzene	0.00	105	0	N.D.	
	C301	Bromobenzene	0.00	156	0	N.D.	
	C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.	
67)		1,2,3-Trichloropro	0.00	110	0	N.D.	
	C283	t-1,4-Dichloro-2-B	0.00	53	0	N.D.	
	C302	n-Propylbenzene	0.00	91	0	N.D.	
	C303	2-Chlorotoluene	0.00	126	0	N.D.	
	C289	4-Chlorotoluene	0.00	126	0	N.D.	
	C304	1,3,5-Trimethylben	0.00	105	0	N.D.	
	C306	tert-Butylbenzene	0.00	134	0	N.D.	
	C307	1,2,4-Trimethylben	0.00	105	0	N.D.	
	C308	sec-Butylbenzene	0.00	105	0	N.D.	
	C260	1,3-Dichlorobenzen	0.00	146	0	N.D.	
	C309	4-Isopropyltoluene	0.00	119	0	N.D.	
	C267	1,4-Dichlorobenzen	0.00	146	0	N.D.	
79)	C249	1,2-Dichlorobenzen	0.00	146	0	N.D.	
80)		n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.	
82)		1,2,4-Trichloroben	0.00	180	0	N.D.	
	C316	Hexachlorobutadien	0.00	225	0	N.D.	
84)		Naphthalene	0.00	128	0	N.D.	
	C934	1,2,3-Trichloroben	0.00	180	0	N.D.	
						-	

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

135/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDCHEM\S\DATA\101106\S7514.D

Acq On : 11 Oct 2006 18:23 Sample : A6B58607 DF5 FOAMS

Misc

Operator: LHH Inst : HP5973SS Multiplr: 1.000

Vial: 200

MS Integration Params: LSCINT.P

|--Internal Standard---|

TIC Top Hit name RT EstConc Units Response | # RT Resp Conc|

Library : C:\DATABASE\NIST02.L

No Library Search Compounds Detected **************

Client No.

FB-10-05-06	
-------------	--

Date Samp/Recv: <u>10/05/2006</u> <u>10/05/2006</u>

% Moisture: not dec. ____ Heated Purge: N Date Analyzed: 10/11/2006

Level: (low/med) LOW

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

		CONCENTRATION UNI		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L_	Q
74-87-3	Chloromethane		1	Ū
74-83-9	Bromomethane		1	U
75-01-4	Vinyl chloride	-	1	ע
75-00-3	Chloroethane		1	U
75-09-2	Methylene chloride		1	ַ ט
67-64-1	Acetone		60	
75-15-0	Carbon Disulfide		1	ן ט
75-35-4	1,1-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	ט
67-66-3	Chloroform		1	ט
107-06-2	1,2-Dichloroethane		1	שׁ
78-93-3	2-Butanone	-	9	
71-55-6	1,1,1-Trichloroethane		1	ע
	Carbon Tetrachloride		1	ט
75-27-4	Bromodichloromethane		1	ע
78-87-5	1,2-Dichloropropane		1	ן ,
10061-01-5-	cis-1,3-Dichloropropene		1	ט
79-01-6	Trichloroethene		1	ט
124-48-1	Dibromochloromethane		1	U
79~00-5	1,1,2-Trichloroethane		1	ט
71-43-2	Benzene		1	U
10061-02-6-	trans-1,3-Dichloropropene		1	U
75-25-2	Bromoform		1	U
108-10-1	4-Methyl-2-pentanone		5	U
591-78-6	2-Hexanone	-	5	U
127-18-4	Tetrachloroethene		1	U
108-88-3	Toluene		1	
79-34-5	1,1,2,2-Tetrachloroethane		1	U
	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
100-42-5	<u> </u>		1	. บ
	Total Xylenes		3	U
	Dichlorodifluoromethane		1	U
75-69-4	Trichlorofluoromethane		1	υ

Client No.

	FB-10-05-06	

SDG No.:		
Lab Sample ID:	A6B58609	
Iab File ID:	S7516.RR	_
Date Samp/Recv:	10/05/2006 10	/05/2006
Date Analyzed:	10/11/2006	
Dilution Factor:	1.00	
Soil Aliquot Vol	ume:	(uL)
uoroethane	1 U U U U U U U U U U U U U U U U U U U	
	Lab Sample ID: Lab File ID: Date Samp/Recv: Date Analyzed: Dilution Factor: Soil Aliquot Vol. CONCENTRATION UNITS: (ug/L or ug/Kg) DOTOETHANE	SDG No.: Lab Sample ID: A6B58609 Lab File ID: S7516.RR Date Samp/Recv: 10/05/2006 10 Date Analyzed: 10/11/2006 Dilution Factor: 1.00 Soil Aliquot Volume: CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q Dilution Factor: 1

79-20-9-----Methyl acetate_

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

		FB-10-05-06
Lab Name: STL Buffalo Contract:	<u></u>	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58609
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	S7516.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006 10/05/200
% Moisture: not dec.	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	:1.00
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume: (uL)
Number TICs found:1	CONCENTRATION UNI	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1	UNKNOWN	3.12	3	J

(Not Reviewed) 139/246 STL Buffalo Quantitation Report

Data File : D:\MSDCHEM\S\DATA\101106\S7516.D

Acq On : 11 Oct 2006 19:12

Sample : A6B58609

Misc

MS Integration Params: RTEINT.P

Vial: 22 Operator: LH

: HP5973S Inst

Multiplr: 1.00

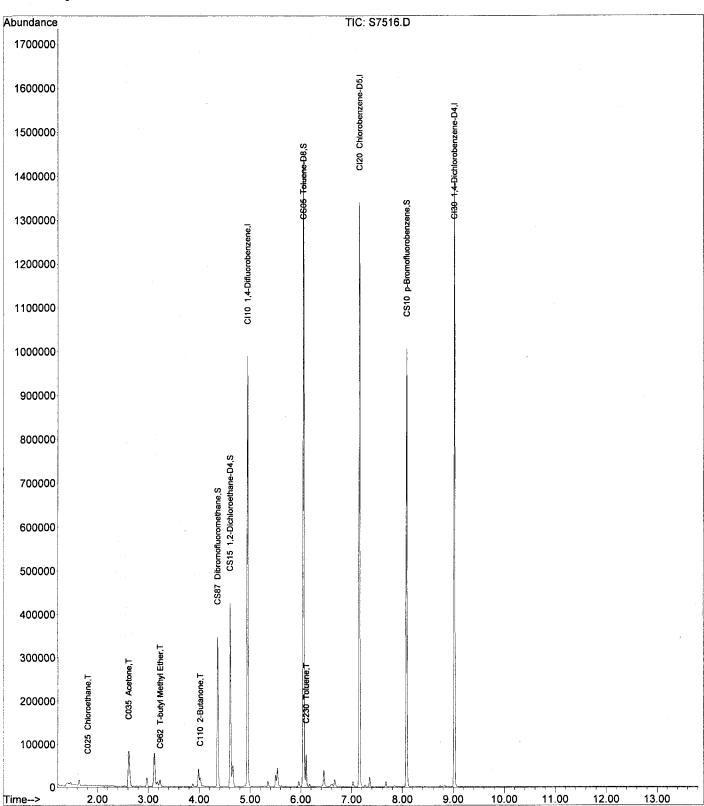
Results File: A6I0001...0 E1.RES Quant Time: Oct 11 19:29:20 2006

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006 Response via : Initial Calibration

DataAcq Meth : VOA



STL Buffalo (Not Reviewed) 140/246 Quantitation Report

Data File : D:\MSDCHEM\S\DATA\101106\S7516.D

Acq On : 11 Oct 2006 19:12

Vial: 22 Operator: LH Inst : HP5973S Multiplr: 1.00 : A6B58609 Sample

Misc MS Integration Params: RTEINT.P

Quant Time: Oct 11 19:29:20 2006 Results File: A6I0001...0_E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration

DataAcq Meth : VOA

IS QA	ACQ Me	eth : VOA e : D:\MSDChem\S\Data	10110	6\s749	6.D (11 Oc	t 2006	9:3	36) I	1	
		Standards	R.T.	QIon	Response	Conc Ur		Dev	1	ATIC
1)	CI10	1,4-Difluorobenzene					ng		0.00 5.62%	
43)	CI20	Chlorobenzene-D5	7.16	117	585538	125.00	ng	85	0.00	
62)	CI30	1,4-Dichlorobenzene-	9.02	152						
30)	CS87	onitoring Compounds Dibromofluoromethane	4.36	111	164313				0.00	
Spi 31)	cs15	Amount 125.000 Rar 1,2-Dichloroethane-D Amount 125.000 Rar	1ge 70 4.61	- 130 - 65 - 136	215248 Recove	158.56	116 ng 126		0.00	
44)	CS05	Toluene-D8	6.05	98	719929	128.63	ng		0.00	
61) Spi	CS10 iked 2	Amount 125.000 Rar p-Bromofluorobenzene Amount 125.000 Rar	8.08 age 74	174 - 120	198526 Recove	117.10 ry =	ng• 93	. 68%	0.00	
Targ	get Co	ompounds	0.00		0	N D		Qva	alue	
3)	C010	Dichlorodifluorome Chloromethane Vinyl chloride	1.41	50	177 0	N.D. Below N.D.	Cal	#	40	
5) 6)	C015	Bromomethane Chloroethane	0.00	94 64	0	N.D. 17.98	ng_	#	45	
7) 8) 9)	C275 C045 C030	Trichlorofluoromet 1.1-Dichloroethene	0.00	101 96	0	N.D. N.D. Below			84	
11) 12)	C040 C036 C038	Acrolein Acrylonitrile	3.18	53	526 0 4126 89133	N.D. N.D. N.D.	ng•		96	
(14) 15)	C035 C300 C276 C291	Acetone Acetonitrile Iodomethane	0.00	142	1534 0	N.D. N.D.	119•		50	
18)	C 962 C057	T-butyl Methyl Ether trans-1,2-Dichloro	3.23 0.00 2.92	73 96 43	10407 0 872	3.76 N.D. N.D.	ng∙	#	84	
20) 21)	C050	1,1-Dichloroethane Vinyl Acetate 2,2-Dichloropropan	0.00	63	0	N.D. N.D. N.D.				
23) 24)	C056 C272	cis-1,2-Dichloroet Tetrahydrofuran	0.00 4.24	96 42	0 625	N.D. N.D.				
26) 27)	C060 C115	Bromochloromethane Chloroform 1,1,1-Trichloroeth	4.24	128 83 97	0 500 0	N.D. N.D. N.D.				
29) 32)		Carbon tetrachlori 1,1-Dichloropropen Benzene	0.00 4.66	117 75 78	0 0 9415	N.D. N.D. N.D.				
	C065 -C110 C256	1,2-Dichloroethane 2-Butanone Cyclohexane	0.00 4.02 0.00	62 43 56	0 22527 0	N.D. 46.81 N.D.	ng	#	86	•
36) 37)	C150 C140 C278	Trichloroethene 1,2-Dichloropropan Dibromomethane	0.00 0.00 0.00	95 63 93	0 . 0 0	N.D. N.D. N.D.				$\mathcal{N}_{\mathcal{N}}$

Page: 1

Vial: 22

Data File : D:\MSDCHEM\S\DATA\101106\S7516.D
Acq On : 11 Oct 2006 19:12
Sample : A6B58609 Operator: LH Inst : HP5973S

Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 19:29:20 2006 Results File: A6I0001...0 E1.RES

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D.\MCCT Quant Method: D:\MSDCHEM\S.....1998ASP8260 E1.M (RTE Integrator)

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Internal Standards	R.T. Ç	lon Respoi	nse Conc Unit	s Dev(Min) Rcv(Ar)
39) C130 Bromodichlorome 40) C161 2-Chloroethylvi 41) C012 Methylcycolhexa 42) C145 cis-1,3-Dichlor 45 C230 Toluene 46) C170 trans-1,3-Dichl 47) C284 Ethyl Methacryl 48) C160 1,1,2-Trichloro 49) C210 4-Methyl-2-pent 50) C220 Tetrachloroethe 51) C221 1,3-Dichloropro	nyl 0.00 6 ne 0.00 8 opr 0.00 7 6.10 oro 0.00 7 ate 0.00 8 ano 5.96 4 ne 0.00 16 onn 0.00 7	76 0	N.D. N.D. N.D. N.D. N.D.	
52) C155 Dibromochlorome 53) C163 1,2-Dibromoetha 54) C215 2-Hexanone 55) C235 Chlorobenzene 56) C281 1,1,1,2-Tetrach 57) C240 Ethylbenzene 58) C246 m,p-Xylene 59) C247 o-Xylene 60) C245 Styrene 63) C180 Bromoform 64) C966 Isopropylbenzen 65) C301 Bromobenzene	ne 0.00 10 6.60 4 0.00 13 7.27 5 7.36 10 7.67 10 7.68 10	07 0 43 4215 .2 0 81 0 91 4160 96 5649 96 1859 94 3441 73 0	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	
66) C225 1,1,2,2-Tetrach 67) C282 1,2,3-Trichloro 68) C283 t-1,4-Dichloro- 69) C302 n-Propylbenzene 70) C303 2-Chlorotoluene 71) C289 4-Chlorotoluene 72) C304 1,3,5-Trimethyl 73) C306 tert-Butylbenzen 74) C307 1,2,4-Trimethyl 75) C308 sec-Butylbenzen 76) C260 1,3-Dichloroben 77) C309 4-Isopropyltolu 78) C267 1,4-Dichloroben 79) C249 1,2-Dichloroben 80) C310 n-Butylbenzene 81) C286 1,2-Dibromo-3-C	lor 0.00 8 pro 0.00 11 2-B 0.00 5 8.29 9 0.00 12 0.00 12 pen 8.37 10 pen 8.74 10 pen 8.74 10 pen 0.00 14 pene 0.00 14 pene 0.00 14 pene 0.00 14 pene 0.00 14 pene 0.00 14 pene 0.00 14 pene 0.00 14 pene 0.00 14	33 0 0 0 0 0 53 0 91 141 26 0 26 0 05 1586 34 0 05 1755 1755 1755 16 0	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	
82) C313 1,2,4-Trichloro 83) C316 Hexachlorobutad 84) C314 Naphthalene 85) C934 1,2,3-Trichloro	pen 0.00 18 ien 0.00 22 10.87 12	30 0 25 0 28 142	N. D. N. D. N. D. N. D.	

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Sub 50

m/z-->

600

400

200

Time-->

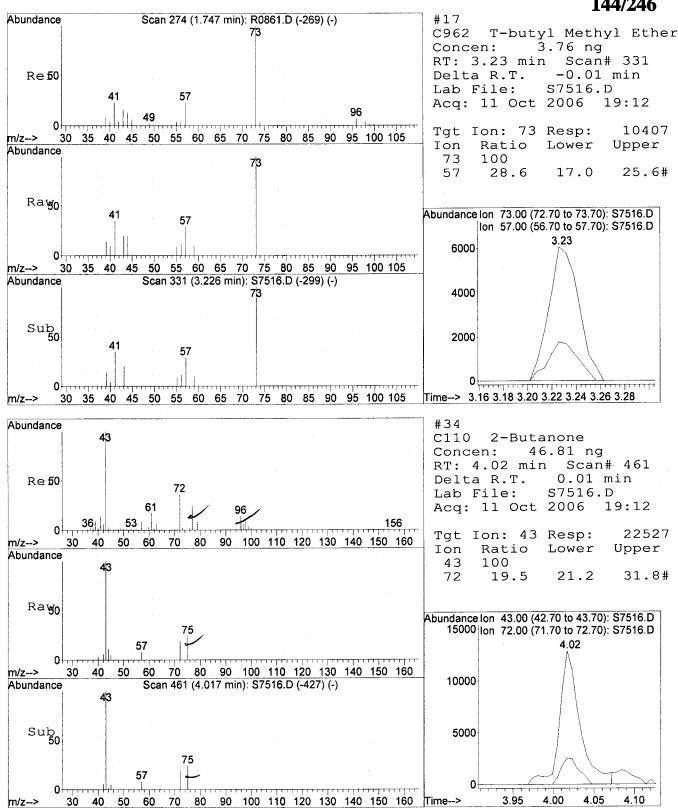
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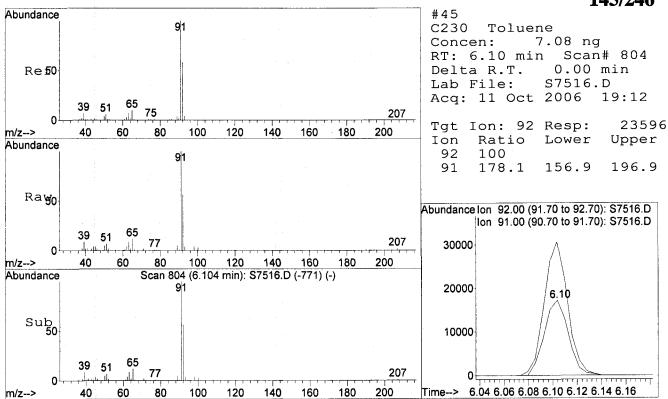
1.70

1.75

50

60





Misc :

MS Integration Params: LSCINT.P

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Library : C:\DATABASE\NISTO2.L

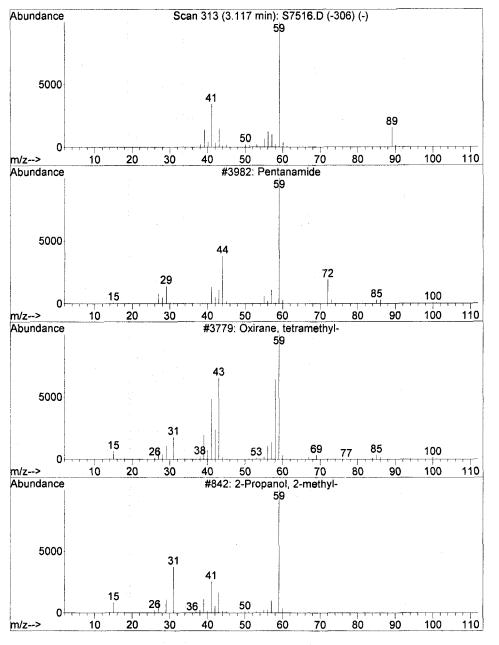
Peak Number 1 Pentanamide

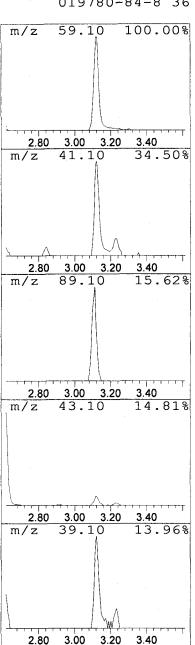
Concentration Rank

Multiplr: 1.00

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
3.12	14.80 ng	153584	CI10 1,4-Difluor	1297400	4.95
111+# ~6	E Montativo	TD .	MW MolEorm	CAC#	Oual

Hl	t# or 5 Tentative ID		MOTFORM	 CA5#	- Quai
2 3 4	Pentanamide Oxirane, tetramethyl- 2-Propanol, 2-methyl- Acetic acid, cyano-, 1,1-dimethy 5-Hexyn-3-ol	100 74 141	C5H11NO C6H12O C4H10O C7H11NO2 C6H10O	000626-97-3 005076-20-0 000075-65-0 001116-98-9	0 39 0 38 9 38





147/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDCHEM\S\DATA\101106\S7516.D
Acq On : 11 Oct 2006 19:12
Sample : A6B58609

Misc

MS Integration Params: LSCINT.P

Vial: 22 Operator: LH Inst : HP5973S Multiplr: 1.00

|--Internal Standard---| TIC Top Hit name RT EstConc Units Response | # RT Resp Conc|

3.12 14.8 ng 153584 1 4.95 1297400 125.0 Pentanamide

1	
IFD-10-05	: nc
1LD-T0-03)-UO
1	

	FD-10-05-06
Lab Name: STL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A6B58608
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID: <u>S7515.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/05/2006</u> <u>10/05/2006</u>
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>10/11/2006</u>
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:5.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
74 07 2 Ohlassenshipens	

CAS NO.	COMPOST INTO	(ug/L or ug/Kg)	UG/L	Q	
CAS NO.	COMPOUND	(ug/ii or ug/kg/	<u>03/11</u>		-
74-87-3	Chloromethane		5	U	
74-83-9	Bromomethane		5	U	
75-01-4	Vinyl chloride		5	U	
	Chloroethane		5	ע	1
75-09-2	Methylene chloride		5	ט	1-
67-64-1			25	U	
75-15-0	Carbon Disulfide		5	U	ł
75-35-4	1,1-Dichloroethene		5	U	ŀ
75-34-3	1,1-Dichloroethane		5	U	
	Chloroform		5	U	
107-06-2	1,2-Dichloroethane		5	U	1
	2-Butanone		25	U	
71-55-6	1,1,1-Trichloroethane		5	U	
56-23-5	Carbon Tetrachloride		5	U	
75-27-4	Bromodichloromethane		5	ט	
78-87-5	1,2-Dichloropropane		5	ע	
10061-01-5-	cis-1,3-Dichloropropene		5	U	1
79-01-6	Trichloroethene		5	[ט	
124-48-1	Dibromochloromethane		5	U	
79-00-5	1,1,2-Trichloroethane		5	ַ	
71-43-2	Benzene		5	U	
10061-02-6-	trans-1,3-Dichloropropene		5	U	
75-25-2	Bromoform		5	ע	
108-10-1	4-Methyl-2-pentanone		25	ַ ט	
	2-Hexanone		25	ט	
127-18-4	Tetrachloroethene		5	ש	
	Toluene		5	ש	
	1,1,2,2-Tetrachloroethane		5	שׁ	
1	Chlorobenzene		5	U	1
	Ethylbenzene		5	U	
	Styrene		5	U	
	Total Xylenes		15	U	
1	Dichlorodifluoromethane		. 5	U	
75-69-4	Trichlorofluoromethane		5	U	

Moisture: not dec Heated Purge: N Date Analyzed: 10, GC Column: DB-624 ID: 0.53 (mm) Dilution Factor:	_			FD-10-05-06
Sample wt/vol:	Lab Name:	: STL Buffalo Contract:		
Level: (low/med) LOW Date Samp/Recv: 10,	Lab Code	: <u>RECNY</u> Case No.: SAS No.:	SDG No.:	
Level: (low/med) LOW Date Samp/Recv: 10, & Moisture: not dec. Heated Purge: N Date Analyzed: 10, 3C Column: DB-624 ID: 0.53 (mm) Dilution Factor:	Matrix:	(soil/water) <u>WATER</u>	Lab Sample II	A6B58608
# Moisture: not dec Heated Purge: N	Sample wt	t/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	S7515.RR
CONCENTRATION UNITS: CAS NO. COMPOUND CONCENTRATION UNITS: CAS NO. COMPOUND CONCENTRATION UNITS: CAS NO. COMPOUND Concentration Concentr	Level:	(low/med) <u>LOW</u>	Date Samp/Red	ev: <u>10/05/2006</u> <u>10/05/2006</u>
CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/I 76-13-11,1,2-Trichloro-1,2,2-trifluoroethane 5 156-60-5trans-1,2-Dichloroethene 5 1634-04-4Methyl-t-Butyl Ether (MTBE) 5 156-59-2cis-1,2-Dichloroethene 5 110-82-7Cyclohexane 5 108-87-2Methylcyclohexane 5 106-93-41,2-Dibromoethane 5 98-82-8Isopropylbenzene 5 541-73-11,3-Dichlorobenzene 5 106-46-71,4-Dichlorobenzene 5 95-50-11,2-Dichlorobenzene 5 95	% Moistu	re: not dec Heated Purge: N	Date Analyzed	d: <u>10/11/2006</u>
CONCENTRATION UNITS: (ag/L or ug/Kg) UG/I	GC Column	n: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Fact	cor: <u>5.00</u>
CAS NO. COMPOUND (ug/L or ug/Kg) UG/I 76-13-11,1,2-Trichloro-1,2,2-trifluoroethane 5 156-60-5trans-1,2-Dichloroethene 5 1634-04-4Methyl-t-Butyl Ether (MTBE) 5 156-59-2Cis-1,2-Dichloroethene 5 110-82-7Cyclohexane 5 108-87-2Methylcyclohexane 5 106-93-41,2-Dibromoethane 5 98-82-8Isopropylbenzene 5 541-73-11,3-Dichlorobenzene 5 106-46-71,4-Dichlorobenzene 5 95-50-11,2-Dichlorobenzene 5	Soil Exti	ract Volume: (uL)	Soil Aliquot	Volume: (uL)
156-60-5trans-1,2-Dichloroethene 5 1634-04-4Methyl-t-Butyl Ether (MTBE) 5 156-59-2cis-1,2-Dichloroethene 5 110-82-7Cyclohexane 5 108-87-2Methylcyclohexane 5 106-93-41,2-Dibromoethane 5 98-82-8Isopropylbenzene 5 541-73-11,3-Dichlorobenzene 5 106-46-71,4-Dichlorobenzene 5 95-50-11,2-Dichlorobenzene 5				
120-82-11,2,4-Trichlorobenzene 5 79-20-9Methyl acetate 5		CAS NO. COMPOUND		

150/246

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

			FD-10-05-06
Lab Name: <u>STL Buffalo</u>	Contract:	<u>.</u> .	
Lab Code: <u>RECNY</u> Case No	o.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATE</u> R	3	Lab Sample ID:	A6B58608
Sample wt/vol: 5.0	00 (g/mL) <u>ML</u>	Lab File ID:	S7515.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec.	<u>-</u>	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> II	D: <u>0.53</u> (mm)	Dilution Factor:	5.00
Soil Extract Volume:	(uL)	Soil Aliquot Vol	Lume: (uL)
Number TICs found:0		CONCENTRATION UNIT	_
CAS NO.	Compound Name	RT Est.	Conc. Q

(Not Reviewed) **151/246** STL Buffalo Quantitation Report

Data File : D:\MSDCHEM\S\DATA\101106\S7515.D

Vial: 21 : 11 Oct 2006 18:47 Operator: LH

Misc

Acq On

Sample : A6B58608 DF5 FOAMS

Inst : HP5973S Multiplr: 1.00

MS Integration Params: RTEINT.P

Results File: A6I0001...0 E1.RES Quant Time: Oct 11 19:29:13 2006

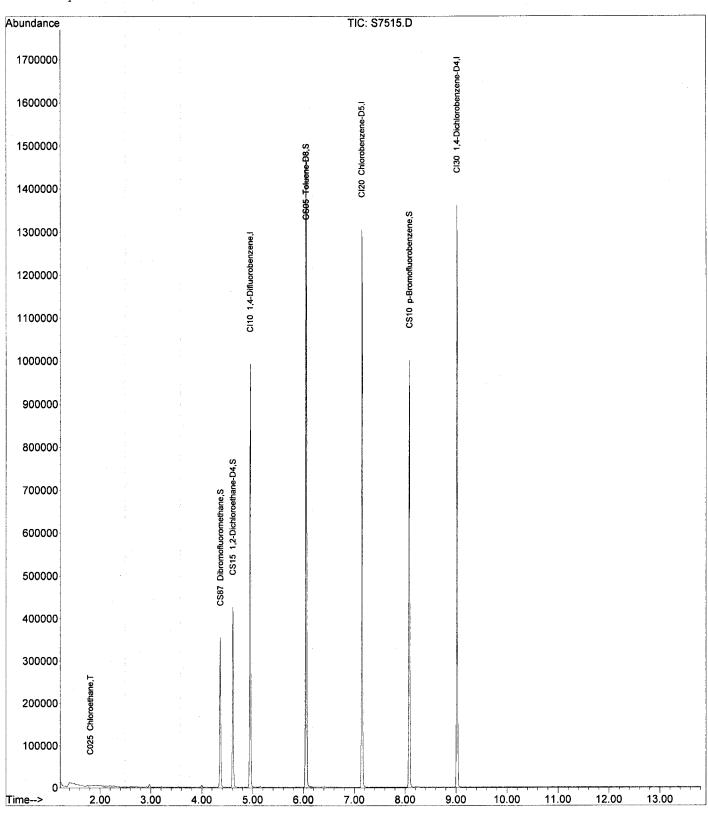
Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

Response via: Initial Calibration

DataAcq Meth : VOA



Quantitation Report STL Buffalo (Not Reviewed) 152/246

Vial: 21 Operator: LH Inst : HP5973S Data File : D:\MSDCHEM\S\DATA\101106\S7515.D Acq On : 11 Oct 2006 18:47 Sample : A6B58608 DF5 FOAMS

Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 19:29:13 2006 Results File: A6I0001...0_E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS OA File

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006

									1
Internal	Standards	R.T.	QIon	Response	Conc Ur	nits		(Min) (Ar)	V
1) CI10	1,4-Difluorobenzene	4.95	114	555074	125.00	ng	85	0.00 5.29%	-
43) CI20	Chlorobenzene-D5	7.16	117	576845	125.00	ng		0.00	
62) CI30	1,4-Dichlorobenzene-	9.02	152	282482	125.00	ng		1.68% 0.00 L.36%	
							0.1		
System Mo 30) CS87	nitoring Compounds Dibromofluoromethane	4.36	111	163094	145.02	ng		0.00	
Spiked A		ange 70	- 130	Recove	ry =	116	.02%		
31) CS15	1,2-Dichloroethane-		65 136		159.77		028	0.00	
Spiked A 44) CS05	mount 125.000 Ra Toluene-D8	nge 73 6.05	- 136 98		ry = 130.55		.82%	0.00	
Spiked A			- 122				. 44%		
	p-Bromofluorobenzene				118.82		0.60	0.00	
Spiked A	mount 125.000 Ra	ange 74	- 120	Recove	ry =	95	.06%		
Target Co	ompounds						Qva	alue	
	Dichlorodifluorome	0.00	85	0	N.D.	~ 1		4.0	
	Chloromethane	1.42		128	Below	Cal	#	40	
5) C015	Vinyl chloride Bromomethane	0.00 0.00	62 94	0	N.D. N.D.				
6) C025	Chloroethane	1.80		2267	$-\frac{12.29}{12.29}$	ng	#	45	
7) C275	Trichlorofluoromet		101	0	N.D.	_			
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.	~ -		7.6	
9) C030	Methylene chloride	2.98	84	2275	Below	Cal	#	76	
10) C040 11) C036	Carbon disulfide Acrolein	2.73 0.00	76 56	553 0	N.D. N.D.				
12) C038	Acrylonitrile	0.00	53	Ö	N.D.				
13) C035	Acetone	2.61	43	1457	N.D.				
14) C300	Acetonitrile	0.00	41	0	N.D.				
15) C276	Iodomethane		142	0	N.D.				
16) C291	1,1,2 Trichloro-1,		101	0	N.D.				
17) C962 18) C057	T-butyl Methyl Eth trans-1,2-Dichloro	0.00 3.21	73 96	0 458	N.D. N.D.				
19) C255	Methyl Acetate	2.92	43	775	N.D.				
20) C050	1,1-Dichloroethane	3.55	63	1144	N.D.				
21) C125	Vinyl Acetate	0.00	43	0	N.D.				
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.				
23) C056	cis-1,2-Dichloroet	4.00	96	1658	N.D.				
24) C272 25) C222	Tetrahydrofuran Bromochloromethane	0.00 0.00	42 128	0	N.D. N.D.				
26) C060	Chloroform	0.00	83	ŏ	N.D.				
27) C115	1,1,1-Trichloroeth	0.00	97	Ō	N.D.				
28) C120	Carbon tetrachlori		117	0	N.D.				
29) C116	1,1-Dichloropropen	0.00	75	0	N.D.				
32) C165	Benzene	4.66	78 62	920	N.D.				
33) C065 34) C110	<pre>1,2-Dichloroethane 2-Butanone</pre>	0.00 4.08	62 43	0 1260	N.D. N.D.				
35) C256	Cyclohexane	0.00	56	0	N.D.				N
36) C150	Trichloroethene	5.15	95	683	N.D.				M
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.			1	ľ.,

N.D.

0.00

38) C278 Dibromomethane

Data File : D:\MSDCHEM\S\DATA\101106\S7515.D

Vial: 21

Acq On : 11 Oct 2006 18:47 Sample : A6B58608 DF5 FOAMS Operator: LH Inst : HP5973S Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Ouant Time: Oct 11 19:29:13 2006 Results File: A6I0001...0 E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

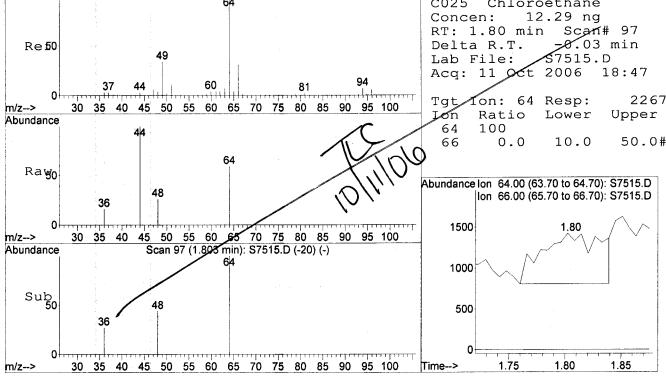
Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration

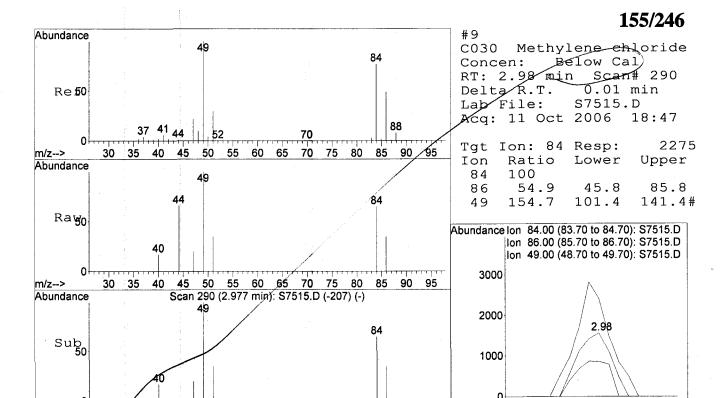
DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Inte	ernal	Standards	R.T	. QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
391	C130	Bromodichlorometha	0.00	 83	0	N.D.	
	C161	2-Chloroethylvinyl	0.00	63	· ŏ	N.D.	
	C012	Methylcycolhexane	0.00	83	Ö	N.D.	
	C145	cis-1,3-Dichloropr	0.00	75	Ö	N.D.	
	C230	Toluene	6.10	92	318	N.D.	
	C170	trans-1,3-Dichloro	0.00	75	0	N.D.	
	C284	Ethyl Methacrylate	0.00	69	ŏ	N.D.	
	C160	1,1,2-Trichloroeth	0.00	83	Ö	N.D.	
	C210	4-Methyl-2-pentano	6.05	43	3263	N.D.	
	C220	Tetrachloroethene	0.00	166	0	N.D.	
	C221	1,3-Dichloropropan	0.00	76	0	N.D.	
	C155	Dibromochlorometha	0.00	129	Ö	N.D.	
	C163	1,2-Dibromoethane	0.00	107	Ö	N.D.	
	C215	2-Hexanone	0.00	43	Ö	N.D.	
	C235	Chlorobenzene	0.00	112	Ŏ	N.D.	
	C281	1,1,1,2-Tetrachlor	0.00	131	Ö	N.D.	
	C240	Ethylbenzene	7.27	91	152	N.D.	
	C246	m,p-Xylene	0.00	106	0	N.D.	
	C247	o-Xylene	0.00	106	Ö	N.D.	
	C247	Styrene	0.00	104	Ŏ	N.D.	
	C180	Bromoform	0.00	173	Ö	N.D.	
	C966	Isopropylbenzene	0.00	105	Ö	N.D.	
	C301	Bromobenzene	0.00	156	ő	N.D.	
	C225	1,1,2,2-Tetrachlor	0.00	83	Ö	N.D.	
	C282	1,2,3-Trichloropro	0.00	110	Ö	N.D.	
	C283	t-1,4-Dichloro-2-B	0.00	53	Ö	N.D.	
	C302	n-Propylbenzene	0.00	91	Ö	N.D.	
	C303	2-Chlorotoluene	0.00	126	Ö	N.D.	
	C289	4-Chlorotoluene	0.00	126	Ö	N.D.	
	C304	1,3,5-Trimethylben	0.00	105	ő	N.D.	
	C304	tert-Butylbenzene	0.00	134	Ö	N.D.	
	C307	1,2,4-Trimethylben	0.00	105	Ö	N.D.	
	C308	sec-Butylbenzene	0.00	105	Ö	N.D.	
	C260	1,3-Dichlorobenzen	0.00	146	Ö	N.D.	
	C309	4-Isopropyltoluene	0.00	119	Ö	N.D.	
	C267	1,4-Dichlorobenzen	0.00	146	Ö	N.D.	
	C249	1,2-Dichlorobenzen	0.00	146	Ö	N.D.	
	C310	n-Butylbenzene	0.00	91	Ö	N.D.	
	C286	1,2-Dibromo-3-Chlo	0.00	75	Ö	N.D.	
	C313	1,2,4-Trichloroben	0.00	180	Ö	N.D.	
	C316	Hexachlorobutadien	0.00	225	ŏ	N.D.	
	C314	Naphthalene	0.00	128	Ö	N.D.	
	C934	1,2,3-Trichloroben	0.00	180	Ö	N.D.	
	-					. 	

^(#) = qualifier out of range (m) = manual integration (+) = signals summed





35 40 45

30

m/z-->

50 55 60 65 70 75 80 85 90 95

Time--> 2.92 2.94 2.96 2.98 3.00 3.02

156/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDCHEM\S\DATA\101106\S7515.D
Acq On : 11 Oct 2006 18:47
Sample : A6B58608 DF5 FOAMS
Misc :

MS Integration Params: LSCINT.P

|--Internal Standard---|

Vial: 211 Operator: LHH
Inst : HP5973SS
Multiplr: 1.000

TIC Top Hit name RT EstConc Units Response | # RT Resp Conc|

Library : C:\DATABASE\NIST02.L

No Library Search Compounds Detected

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

		GW-3
Lab Name: STL Buffalo Contract:	·	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58601
Sample wt/vol:	Lab File ID:	S7508.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006 10/05/2006
Moisture: not dec Heated Purge: N	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	4.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_ Q CAS NO. COMPOUND 4 U 74-87-3-----Chloromethane 74-83-9-----Bromomethane 4 U 4 U 75-01-4-----Vinyl chloride U 4 75-00-3-----Chloroethane U 4 75-09-2----Methylene chloride U 20 67-64-1-----Acetone U 75-15-0-----Carbon Disulfide 4 U 4 75-35-4----1,1-Dichloroethene U 4 75-34-3----1,1-Dichloroethane 4 U 67-66-3-----Chloroform U 107-06-2----1,2-Dichloroethane 4 20 U 78-93-3----2-Butanone U 71-55-6----1,1,1-Trichloroethane 4 U 4 56-23-5-----Carbon Tetrachloride 4 U 75-27-4----Bromodichloromethane 78-87-5----1,2-Dichloropropane 4 U U 10061-01-5---cis-1,3-Dichloropropene 4 4 U 79-01-6----Trichloroethene 124-48-1-----Dibromochloromethane 4 U 4 U 79-00-5-----1,1,2-Trichloroethane 4 U 71-43-2----Benzene U 4 10061-02-6---trans-1,3-Dichloropropene U 4 75-25-2-----Bromoform U 108-10-1----4-Methyl-2-pentanone 20 20 U 591-78-6----2-Hexanone U 4 127-18-4----Tetrachloroethene 4 U 108-88-3----Toluene U 79-34-5----1,1,2,2-Tetrachloroethane 4 U 108-90-7----Chlorobenzene U 4 100-41-4----Ethylbenzene U 4 100-42-5----Styrene U 1330-20-7----Total Xylenes 12 75-71-8-----Dichlorodifluoromethane U 4 4 IJ 75-69-4----Trichlorofluoromethane

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

						GW-3		
Lab Name:	: STL Buffal	<u>lo</u>	Contract:			<u> </u>		
Lab Code:	: RECNY	Case No.:	SAS No.:	SDG No	. :	_		
Matrix:	(soil/water)) <u>WATER</u>		Lab Sam	ple ID:	<u>A6B5860</u>	1	
Sample wt	t/vol:	5.00 (g/mL)	ML	Lab Fil	e ID:	<u>S7508.R</u>	<u>R</u>	
Level:	(low/med)	LOW		Date Sa	mp/Recv:	10/05/2	006 10/0	05/2006
∛ Moistu	re: not dec	Heated	d Purge: N	Date An	alyzed:	10/11/2	006	
GC Column	n: <u>DB-624</u>	ID: <u>0.53</u> (t	mm)	Dilutio	n Factor	4.0	<u>Q</u>	
Soil Exti	ract Volume	: (uL)		Soil Al	iquot Voi	lume:	(1	ıL)
	CAS NO.	COMPOUND		CONCENTRATI (ug/L or u			Q	
	156-60-5 1634-04-4	trans-1,2-D Methyl-t-Bu	loro-1,2,2-trifl ichloroethene tyl Ether (MIBE) hloroethene			4 4 4	U U U	
	110-82-7	Cyclohexane Methylcycloï				4 4 4	U U U	
	98-82-8 541-73-1	Isopropylber 1,3-Dichlor	nzene obenzene			4 4	บ บ	
	106-46-7 95-50-1	1,4-Dichlor 1,2-Dichlor	obenzene obenzene		—	4 4 4	U U U	
	120-82-1	1,2-Dibromb 1,2,4-Trich Methyl aceta	-3-chloropropane lorobenzene ate	<u> </u>	_	4 4 4	U	e V
					ı			I

159/246

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

				GW-3	
Lab Name:	STL Buffalo	Contract:			
Lab Code:	<u>RECNY</u> Case No	.: SAS No.:	SDG No.:		
Matrix: ((soil/water) <u>WATER</u>		Lab Sample ID): <u>A6B58601</u>	
Sample wt	:/vol: <u>5.0</u> 0	<u>)</u> (g/mL) <u>ML</u>	Lab File ID:	<u>S7508.RR</u>	
Level:	(low/med) <u>LOW</u>		Date Samp/Rec	v: <u>10/05/20</u>	06 <u>10/05/2006</u>
% Moistur	re: not dec.	· -	Date Analyzed	l: <u>10/11/20</u>	06
GC Column	n: <u>DB-624</u> ID	:_0.53 (mm)	Dilution Fact	or: <u>4.00</u>	
Soil Extr	ract Volume:	(uL)	Soil Aliquot	Volume:	(uL)
Number TI	Cs found: 0		CONCENTRATION U (ug/L or ug/Kg		<u> </u>
	CAS NO.	Compound Name	RT Es	t. Conc.	Q

(Not Reviewed) 160/246Quantitation Report STL Buffalo

Data File: D:\MSDCHEM\S\DATA\101106\S7508.D

Vial: 14 : 11 Oct 2006 15:55 Operator: LH Acq On

: HP5973S : A6B58601 DF4 FOAMS Inst Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

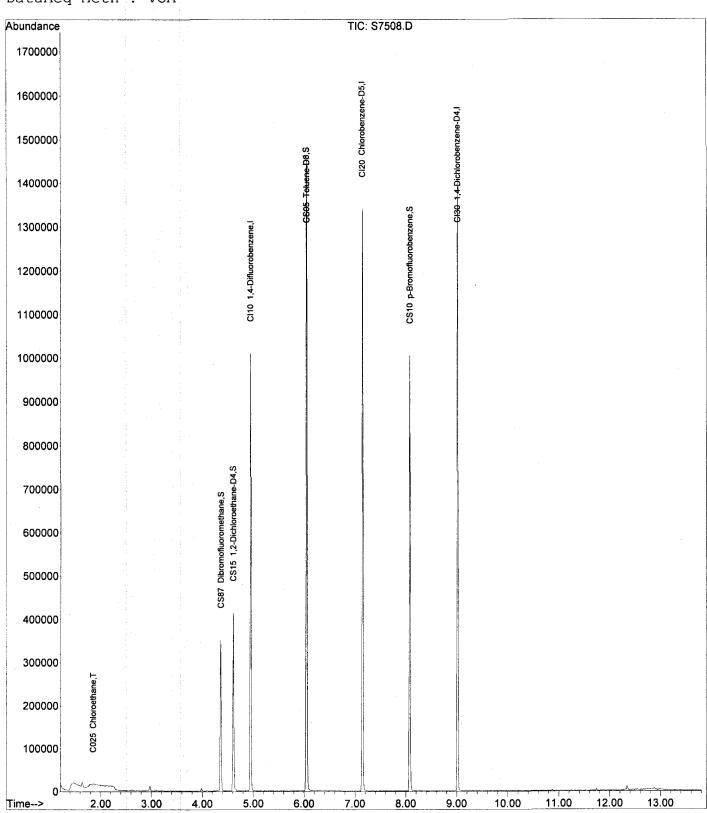
Results File: A6I0001...0_E1.RES Quant Time: Oct 11 16:29:05 2006

Quant Method: D:\MSDCHEM\S.....1998ASP8260 E1.M (RTE Integrator)

5ML WATER Title 8260

Last Update : Wed Oct 11 12:01:01 2006 Response via : Initial Calibration

DataAcq Meth : VOA



Vial: 14

Data File : D:\MSDCHEM\S\DATA\101106\S7508.D Acq On : 11 Oct 2006 15:55

Operator: LH Inst : HP5973S : A6B58601 DF4 FOAMS Multiplr: 1.00

Misc MS Integration Params: RTEINT.P

Quant Time: Oct 11 16:29:05 2006 Results File: A6I0001...0 E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

Sample

DataAcq Meth: VOA
IS OA File: D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 IS QA File

IS QA	A Fil€	: D:\MSDChe	m\S\Data	\10110	6\S749	6.D (11 Oc	t 2006	9:3	36)		•
Inte	ernal	Standards		R.T.		Response		nits		(Min) (Ar)	NO
1)	CI10	1,4-Difluorob	enzene	4.95		579141	125.00	ng		0.00 3.99%	- (,
43)	CI20	Chlorobenzene	-D5	7.16	117	597856	125.00	ng		0.00 7.76%	
62)	CI30	1,4-Dichlorob	enzene-	9.02	152	291006	125.00	ng		0.00 8.81%	
30) Sp: 31) Sp: 44) Sp: 61)	CS87 iked A CS15 iked A CS05 iked A CS05	Amount 125.0	methane 00 Rand thane-D 00 Rand 00 Rand benzene	ge 70 4.61 ge 73 6.05 ge 77 8.08	- 130 65 - 136 98 - 122 174	Recove 212783 Recove 721874 Recove 201211	150.82 ery = 126.32 ery = 116.24	111 ng 120 ng 101 ng•	.16% .66% .06%	0.00	
Taro	get Co	ompounds							Qva	alue	
2) 3)	C290	Dichlorodiflu Chloromethane		0.00 1.43 0.00	85 50 62	0 155 0	N.D. Below N.D.	Cal	#	40	
	C015	Bromomethane		0.00 1.85	94	0 202 199	N.D. 1050.62	~~	11	- 55	
7) 8) 9) 10) 11) 13) 14) 15) 16) 17) 20) 22) 23) 24) 25) 26) 27) 28) 33) 34)	C025 C275 C045 C030 C036 C038 C300 C276 C291 C057 C056 C272 C065 C116 C116 C116 C116 C156 C150		romet thene oride ide ro-1, l Eth hloro e thane ropan oroet an thane roeth hlori ropen thane	0.00 0.00 2.98 2.73 0.00 0.00 2.61 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	64 101 96 84 76 53 41 142 101 73 96 43 43 77 96 42 128 83 97 117 78 62 43 56 95	0 0 4085 1201 0 0 1508 0 0 0 0 768 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N.D. N.D. Below N.D.	_	#	85	~~ .
37) 38)	C140 C278	1,2-Dichlorop Dibromomethan	_	0.00 0.00	63 93	0 0	N.D. N.D.				10/18

Data File : D:\MSDCHEM\S\DATA\101106\S7508.D

Vial: 14

Operator: LH Inst: HP5973S Acq On : 11 Oct 2006 15:55 : A6B58601 DF4 FOAMS Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 16:29:05 2006 Results File: A6I0001...0_E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Inte	ernal	Standards	R.T	. QIon	Response	Conc U	Jnits	Dev(Min) Rcv(Ar)
391	C130	Bromodichlorometha	0.00	83	0	N.D.		
40)	C161	2-Chloroethylvinyl	0.00	63	Ō	N.D.		
41)	C012	Methylcycolhexane	0.00	83	Ō	N.D.		
42)	C145	cis-1,3-Dichloropr	0.00	75	Ō	N.D.		
	C230	Toluene	6.10	92	665	N.D.		
46)	C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
	C284	Ethyl Methacrylate	0.00	69	Ö	N.D.		
48)	C160	1,1,2-Trichloroeth	0.00	83	Ö	N.D.		
	C210	4-Methyl-2-pentano	6.05	43	3094	N.D.		
	C220	Tetrachloroethene	6.53	166	204	N.D.		
51)	C221	1,3-Dichloropropan	0.00	76	0	N.D.		
	C155	Dibromochlorometha	0.00	129	ŏ	N.D.		
	C163	1,2-Dibromoethane	0.00	107	Ö	N.D.		
	C215		0.00	43	Õ	N.D.		
	C215	2-Hexanone Chlorobenzene	0.00	112	0	N.D.		
			0.00	131	Ö	N.D.		
56)	C281	1,1,1,2-Tetrachlor	7.36	91	578	N.D.		
	C240	Ethylbenzene	7.36	106	177	N.D.		
58)	C246	m,p-Xylene		106	0	N.D.		
	C247	o-Xylene	0.00		0	N.D.		
	C245	Styrene	0.00 0.00	104 173	0	N.D.		
63)	C180	Bromoform		105	0	N.D.		
	C966	Isopropylbenzene	0.00	156	0	N.D.		
65)	C301	Bromobenzene	0.00		0	N.D.		
	C225	1,1,2,2-Tetrachlor	0.00	83		N.D.		
67)	C282	1,2,3-Trichloropro	0.00	110	0 0	N.D.		
68)	C283	t-1,4-Dichloro-2-B	0.00	53				
	C302	n-Propylbenzene	0.00	91	0	N.D.		
70)	C303	2-Chlorotoluene	0.00	126	0 0	N.D.		
	C289	4-Chlorotoluene	0.00	126	0	N.D.		
	C304	1,3,5-Trimethylben	0.00	105				
	C306	tert-Butylbenzene	0.00	134	0	N.D.		
	C307	1,2,4-Trimethylben	8.74	105	266	N.D.		
	C308	sec-Butylbenzene	8.74	105	266	N.D.		
	C260	1,3-Dichlorobenzen	0.00	146	0	N.D.		
	C309	4-Isopropyltoluene	9.00	119	807	N.D.		
	C267	1,4-Dichlorobenzen	0.00	146	0	N.D.		
	C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
		n-Butylbenzene	0.00	91	0	N.D.		
	C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
	C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
	C316	Hexachlorobutadien	0.00	225	0	N.D.		
	C314	Naphthalene	10.87	128	1872	N.D.		
85) -	C934	1,2,3-Trichloroben	0.00	180	0 	N.D.		

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

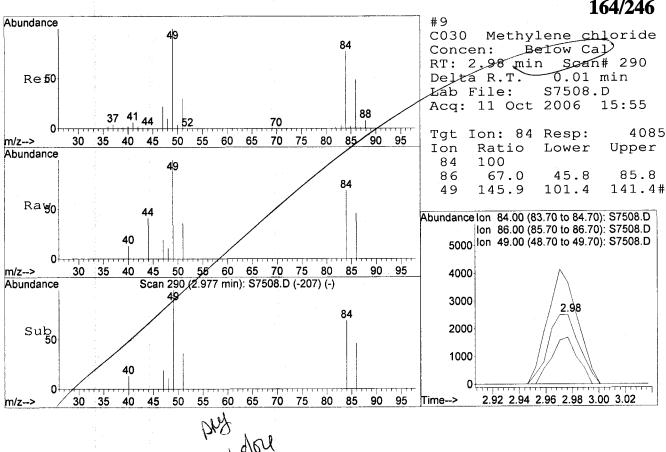
Page: 2

35 40 45 50 55 60 65 70 75 80 85 90 95 100

1.80 2.00 2.20 2.40

Time-->

1.60



165/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDCHEM\S\DATA\101106\S7508.D

Acq On : 11 Oct 2006 15:55 Sample : A6B58601 DF4 FOAMS

Misc

MS Integration Params: LSCINT.P

|--Internal Standard---|

Multiplr: 1.000

Vial: 144 Operator: LHH Inst : HP5973SS

TIC Top Hit name RT EstConc Units Response | # RT Resp Conc|

Library : C:\DATABASE\NISTO2.L

No Library Search Compounds Detected

A6I0001998ASP8260 E1.M Wed Oct 11 16:51:06 2006 HP5973S

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

TB-10-05-06	
-------------	--

7) N7 CFF D 66-1-	Construents		TB-10-05-06
Lab Name: STL Buffalo	Contract:		
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:	•
Matrix: (soil/water) WATER		Lab Sample ID:	A6B58610
Sample wt/vol:5.00	(g/mL) <u>ML</u>	Lab File ID:	S7517.RR
Level: (low/med) LOW		Date Samp/Recv:	10/05/2006 10/05/2006
% Moisture: not dec	Heated Purge: N	Date Analyzed:	10/11/2006
GC Column: DB-624 ID: _	0.53 (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(uL)	Soil Aliquot Vol	ume:(uL)

		CONCENTRATION T		
CAS NO. COMPO	UND	(ug/L or ug/K	g) <u>UG</u>	<u>/L</u> Q
74-87-3Chlore	methane			1 U
74-83-9Bromor	methane			1 U
75-01-4Vinyl	chloride	· :	•	1 U
75-00-3Chlore				1 U
75-09-2 Methy				1 U
67-64-1Acetor				5 บ
75-15-0Carboi				1 U
75-35-41,1-D	ichloroethene			1 U
75-34-31,1-D				1 U
67-66-3Chlore				1 U
107-06-21,2-D	ichloroethane			1 U
78-93-32-Buta			,	5 ไบ
71-55-61,1,1				1 U
56-23-5Carbo				1 ប្រ
75-27-4Bromox				ט
78-87-51,2-D	ichloropropane —			1 U
10061-01-5cis-1		9		1 U
79-01-6Trich				1 ប
124-48-1Dibror	mochloromethane			1 U
79-00-51,1,2	-Trichloroethane			1 U
71-43-2Benzer				1 U
10061-02 -6tra ns	-1,3-Dichloroprope	ene		1 ប
75-25-2Bromo				1 U
108-10-14-Metl	nyl-2-pentanone			5 บ
591-78-6 2-Hex a			*	5 U
127-18-4Tetra	chloroethene			1 U
108-88-3Toluer	ne —			1 U
79-34-51,1,2	,2-Tetrachloroetha	ane		1 U
108-90-7Chlore		:		1 U
100-41-4Ethyll	cenzene			1 U
100-42-5Styre				1 U
1330-20-7Total	Xylenes			3 U
75-71-8Dichlo		3		1 U
	lorofluoromethane			1 lu

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EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

TB-10-05-06 Lab Name: STL Buffalo Contract: Case No.: ____ SAS No.: ____ SDG No.: ____ Lab Code: RECNY Lab Sample ID: A6B58610 Matrix: (soil/water) WATER Lab File ID: S7517.RR Sample wt/vol: _____5.00 (g/mL) <u>M</u>L Date Samp/Recv: <u>10/05/2006</u> <u>10/05/2006</u> Level: (low/med) LOW 10/11/2006 % Moisture: not dec. ____ Heated Purge: N Date Analyzed: GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm) Dilution Factor: ____1.00 Soil Aliquot Volume: _____ (uL) Soil Extract Volume: ____ (uL) CONCENTRATION UNITS: <u>UG/L</u> Q (ug/L or ug/Kg) CAS NO. COMPOUND U 76-13-1----1,1,2-Trichloro-1,2,2-trifluoroethane 1 1 U 156-60-5----trans-1,2-Dichloroethene 1 U 1634-04-4----Methyl-t-Butyl Ether (MTBE) U 1 156-59-2----cis-1,2-Dichloroethene U 1 110-82-7-----Cyclohexane U 108-87-2----Methylcyclohexane 1 U 106-93-4----1,2-Dibromoethane 1 U 98-82-8-----Isopropylbenzene U 541-73-1----1,3-Dichlorobenzene 1 U 1 106-46-7----1,4-Dichlorobenzene 1 U 95-50-1----1,2-Dichlorobenzene 1 U 96-12-8----1,2-Dibromo-3-chloropropane 1 U 120-82-1----1,2,4-Trichlorobenzene

79-20-9-----Methyl acetate

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

						TB-10-05-	06	
Lab Name:	STL Buffalo	Cont	ract:	<u></u>				
Lab Code:	RECNY Case No	·:	SAS No.:	SDG No.: _	<u> </u>			
Matrix: (soil/water) <u>WATER</u>			Lab Sampl	le ID:	<u>A6B58610</u>		
Sample wt	/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>		Lab File	ID:	<u>S7517.RR</u>	· ·	_
Level:	(low/med) <u>LOW</u>			Date Sam	/Recv:	10/05/20	<u>06</u> 10	/05/2006
% Moistur	e: not dec	_		Date Anal	lyzed:	10/11/20	06	
GC Column	: <u>DB-624</u> ID	: 0.53 (mm)		Dilution	Factor	:1.00		
Soil Extr	act Volume:	(uL)		Soil Alio	quot Vo	lume:		(uL)
Number TI	Cs found: 0			CONCENTRAT (ug/L or u				
	CAS NO.	Cor	mpound Name	RT	Est.	Conc.	Q	

(Not Reviewed) **169/246** STL Buffalo Quantitation Report

Vial: 23

Data File : D:\MSDCHEM\S\DATA\101106\S7517.D

Acq On : 11 Oct 2006 19:37

Operator: LH : A6B58610 Inst : HP5973S Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Results File: A6I0001...0 E1.RES Quant Time: Oct 11 19:51:19 2006

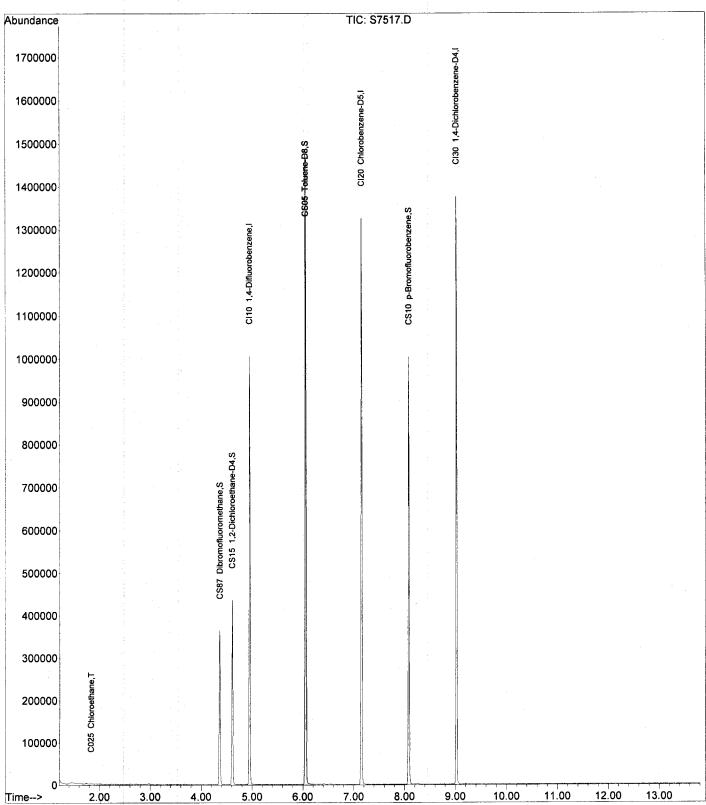
Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

5ML WATER Title : 8260

Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

DataAcq Meth: VOA



Quantitation Report STL Buffalo (Not Reviewed) 170/246

Data File : D:\MSDCHEM\S\DATA\101106\S7517.D Vial: 23

Operator: LH Inst : HP5973S Acq On : 11 Oct 2006 19:37 Sample : A6B58610 Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 19:51:19 2006 Results File: A6I0001...0 E1.RES

Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006) 9:36)

Internal Standards					nits	Dev Rcv	(Min) (Ar)
1) CI10 1,4-Difluorobenzene					ng		0.00,
43) CI20 Chlorobenzene-D5	7.16	117	588350	125.00	ng	0.0	0.00
62) CI30 1,4-Dichlorobenzene-	9.02	152	284000	125.00	ng		0.00 1.79%
System Monitoring Compounds 30) CS87 Dibromofluoromethane Spiked Amount 125.000 Ran 31) CS15 1,2-Dichloroethane-D Spiked Amount 125.000 Ran 44) CS05 Toluene-D8 Spiked Amount 125.000 Ran 61) CS10 p-Bromofluorobenzene Spiked Amount 125.000 Ran	ge 70 4.61 ge 73 6.05 ge 77 8.08	- 130 65 - 136 98 - 122 174	Recove 219078 Recove 726542 Recove 200497	ry = 160.31 ry = 129.19 ry = 117.70	116. ng 128. ng 103. ng	.748 .25% .35%	
Target Compounds						Qva	alue
2) C290 Dichlorodifluorome 3) C010 Chloromethane 4) C020 Vinvl chloride	0.00	50 62	0 0 0 0	N.D. N.D. N.D. N.D.			
5) C015 Bromomethane 6) C025 Chloroethane 7) C275 Trichlorofluoromet	1.85	64	1830	9.82	ng	#	45
8) C045 1,1-Dichloroethene 9) C030 Methylene chloride 10) C040 Carbon disulfide 11) C036 Acrolein	0.00 2.98 2.73 0.00	96	0 0 997 468 0	N.D. N.D. Below N.D. N.D.	Cal		87
13) C035 Acetone	0.00	43 41 142 101 73	1472	N.D. N.D. N.D. N.D.			
19) C255 Methyl Acetate 20) C050 1,1-Dichloroethane 21) C125 Vinyl Acetate 22) C051 2,2-Dichloropropan	2.91 0.00 0.00	96	0 514 0 0	N.D. N.D. N.D. N.D. N.D.			
24) C272 Tetrahydrofuran 25) C222 Bromochloromethane 26) C060 Chloroform 27) C115 1,1,1-Trichloroeth 28) C120 Carbon tetrachlori 29) C116 1,1-Dichloropropen	0.00 0.00 0.00 0.00 0.00	42 128 83 97 117 75	0 0 0 0 0	N.D. N.D. N.D. N.D. N.D.			
33) C065 1,2-Dichloroethane 34) C110 2-Butanone 35) C256 Cyclohexane 36) C150 Trichloroethene 37) C140 1,2-Dichloropropan	0.00 0.00 4.03 0.00 0.00 0.00	78 62 43 56 95 63 93	0 0 378 0 0 0	N.D. N.D. N.D. N.D. N.D. N.D.			\(\sigma_{\chi}^{\chi}\)

Vial: 23

Data File : D:\MSDCHEM\S\DATA\101106\S7517.D

Acq On : 11 Oct 2006 19:37 Sample : A6B58610 Operator: LH Inst : HP5973S Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

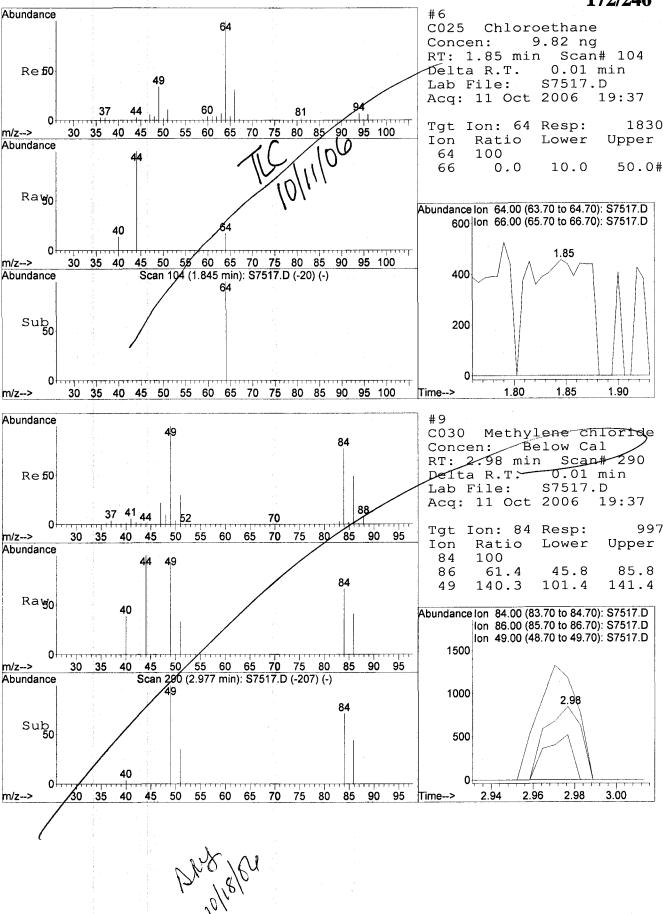
Quant Time: Oct 11 19:51:19 2006 Results File: A6I0001...0_E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Int	ernal	Standards	R.T	. QIon	Response	Conc Units	s Dev(Min) Rcv(Ar)
201	 C130	Bromodichlorometha	0.00	83	0	N.D.	
	C130	2-Chloroethylvinyl	0.00	63	0	N.D.	
41)	C101	Methylcycolhexane	0.00	83	0	N.D.	
41)	C145	cis-1,3-Dichloropr	0.00	75	0	N.D.	
45)	C230	Toluene	0.00	92	Ö	N.D.	
46)	C170	trans-1,3-Dichloro	0.00	75	Ö	N.D.	
,	C284	Ethyl Methacrylate	0.00	69	Õ	N.D.	
48)	C160	1,1,2-Trichloroeth	0.00	83	Ö	N.D.	
49)	C210	4-Methyl-2-pentano	6.05	43	3347	N.D.	
	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropan	0.00	76	Ö	N.D.	
52)		Dibromochlorometha	0.00	129	Ö	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	. 0	N.D.	•
54)	C215	2-Hexanone	0.00	43	Ö	N.D.	
55)	C235	Chlorobenzene	0.00	112	Ö	N.D.	
56)	C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.15	91	956	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	Ö	N.D.	
60)		Styrene	0.00	104	Ö	N.D.	
63)	C180	Bromoform	0.00	173	Ö	N.D.	
64)	C966	Isopropylbenzene	0.00	105	Ö	N.D.	
65)	C301	Bromobenzene	0.00	156	Ö	N.D.	
66)	C225	1,1,2,2-Tetrachlor	0.00	83	Ö	N.D.	
67)		1,2,3-Trichloropro	0.00	110	Ö	N.D.	
68)	C283	t-1,4-Dichloro-2-B	0.00	53	Ö	N.D.	
69)	C302	n-Propylbenzene	0.00	91	Ö	N.D.	
70)	C303	2-Chlorotoluene	0.00	126	Ö	N.D.	
71)		4-Chlorotoluene	0.00	126	Ö	N.D.	
72)		1,3,5-Trimethylben	0.00	105	Ö	N.D.	
	C306	tert-Butylbenzene	0.00	134	Ō	N.D.	
74)	C307	1,2,4-Trimethylben	0.00	105	Ō	N.D.	
75)		sec-Butylbenzene	0.00	105	Ō	N.D.	
76)	C260	1,3-Dichlorobenzen	0.00	146	Ō	N.D.	
77)	C309	4-Isopropyltoluene	0.00	119	Ō	N.D.	
78)	C267	1,4-Dichlorobenzen	0.00	146	Ō	N.D.	
79)	C249	1,2-Dichlorobenzen	0.00	146	Ō	N.D.	
	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chlo	0.00	75	Ō	N.D.	
82)		1,2,4-Trichloroben	0.00	180	Ö	N.D.	
83)	C316	Hexachlorobutadien	0.00	225	Ö	N.D.	
84)	C314	Naphthalene	0.00	128	Ō	N.D.	
	C934	1,2,3-Trichloroben	0.00	180	Ō	N.D.	

^{(#) =} qualifier out of range (m) = manual integration (+) = signals summed



173/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDChem\S\Data\101106\S7517.D

Acq On : 11 Oct 2006 19:37 Sample : A6B58610

Misc

MS Integration Params: LSCINT.P

Vial: 233 Operator: LHH Inst : HP5973SS Multiplr: 1.000

|--Internal Standard---|

TIC Top Hit name RT EstConc Units Response | # RT Resp Conc|

Library : C:\DATABASE\NISTO2.L

No Library Search Compounds Detected

Standards

METHOD 8260 - AQUEOUS (30% RSD/ 20% D) INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: _____ Lab Sample ID: A6I0001998-1

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No: ____

Intrument ID: <u>HP5973S</u> Calibration Dates(s): <u>10/03/2006</u> <u>10/03/2006</u>

Heated Purge (Y/N): N Calibration Times: 10:17 11:55

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)

Lab File ID: RRF25 = <u>S7103.RR</u>		S7105.RR S7102.RR	RRF10 RRF100	$= \frac{S7104}{S7101}$		
COMPOUND	DDF1	DDE10 DDE25	DDEEN	DDE100	AVC	DDE

$RRF25 = \underline{S7103.RR} \qquad RRI$?50 =	S7102.I	<u>RR</u> I	RRF100	= <u>S7103</u>	L.RR	
COMPOUND	RRF1	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
Chloromethane	0.439	0.300	0.270	0.271	0.264	0.3090	24.000
Bromomethane	0.125	0.076	0.070	0.066	0.054	0.0780	34.900
Vinyl chloride	0.303	0.279	0.266	0.262	0.249	0.2720	7.600
Chloroethane	0.045	0.043	0.041	0.042	0.037	0.0420	7.200
Methylene chloride	0.428	0.280	0.244	0.238	0.221	0.2820	29.800
Acetone	0.090	0.065		0.060	0.061	0.0670	19.300
Carbon Disulfide	0.686	0.613	0.581	0.595	0.554		8.200
1,1-Dichloroethene	0.165	0.175	0.165	0.166	0.156		4.100
1,1-Dichloroethane	0.486	0.493	0.462	0.470	0.436	0.4690	1
cis-1,2-Dichloroethene	0.271	0.273	0.255	0.256			
trans-1,2-Dichloroethene	0.255	0.246	0.234				
Chloroform	0.406	0.418	0.396	0.396			
1,2-Dichloroethane	0.314	0.336	0.315	0.314	0.289		5.400
2-Butanone	0.112	0.115	0.108	0.108	0.096	0.1080	6.600
1,1,1-Trichloroethane	0.324	0.353	0.342	0.349			3.900
Carbon Tetrachloride	0.242	0.292	0.280	0.293	0.274		7.500
Bromodichloromethane	0.249	0.295	0.291	0.298	0.285		7.000
1,2-Dichloropropane	0.295	0.290	0.274	0.276	0.251	0.2770	6.100
cis-1,3-Dichloropropene	0.352	0.398	0.391	0.401	0.381	0.3840	5.100
Trichloroethene	0.237	0.255	0.244	0.247			4.000
Dibromochloromethane	0.166	0.200	0.204		0.209		
1,1,2-Trichloroethane	0.170	0.179		0.170			
Benzene	1.076	1.090	1.031	1.032	0.942	1.0340	5.600
trans-1,3-Dichloropropene	0.299	0.353	0.348	0.359	0.346	0.3410	7.000
Bromoform	0.166	0.220	0.237	0.254	0.256	0.2270	16.200
4-Methyl-2-pentanone	0.242	0.246	0.232	0.228	0.205	0.2310	7.100
2-Hexanone	0.154	0.170	0.163	0.161	0.147	0.1590	5.600
Tetrachloroethene	0.276	0.279	0.264	0.266	0.243	0.2660	5.400
1,1,2,2-Tetrachloroethane	0.490	0.536	0.504	0.507		0.5040	4.100
Toluene	0.770	0.748	0.696	0.693	0.650	0.7120	
Chlorobenzene	0.768	0.778	0.736	0.737		0.7420	4.600
Ethylbenzene	1.363	1.403	1.325	1.326	1.239	1.3310	4.600
Styrene	0.881	0.915	0.867	0.857	l .	0.8590	5.900
Total Xylenes	0.515	0.536	0.504	0.499	0.451	0.5010	6.200
1,1,2-Trichloro-1,2,2-trifl	0.165	0.165	0.152	0.160	0.161		3.300
1,2,4-Trichlorobenzene	0.537	0.527		0.549			3.700
1,2-Dibromo-3-chloropropane	0.039	0.070	0.075	0.079	0.076	0.0680	24.000

METHOD 8260 - AQUEOUS (30% RSD/ 20% D) INITIAL CALIBRATION DATA

Lab Name: STL Buffalo Contract: Lab Sample ID: A6I0001998-1

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No: ____

Intrument ID: <u>HP5973S</u> Calibration Dates(s): <u>10/03/2006</u> <u>10/03/2006</u>

Heated Purge (Y/N): N Calibration Times: 10:17 11:55

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)

Lab File ID:	RRF1	= <u>S7105.RR</u>	RRF10	= <u>S7104.RR</u>	
RRF25 = <u>S7103.RR</u>	RRF50	= <u>S7102.RR</u>	RRF100	= <u>S7101.RR</u>	

COMPOUND	RRF1	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
1,2-Dibromoethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Cyclohexane Dichlorodifluoromethane Methyl acetate Trichlorofluoromethane Methyl-t-Butyl Ether (MTBE) Isopropylbenzene Methylcyclohexane	0.205 1.139 1.247 1.293 0.573 0.191 0.359 0.293 0.667 2.821 0.575	0.214 1.100 1.176 1.185 0.551 0.182 0.276 0.276 0.646 2.788 0.503	1.026 1.125 1.114 0.519 0.174 0.256 0.270 0.611 2.638	1.134 1.127 0.530 0.179 0.255 0.279 0.613 2.653	1.051 0.489 0.166 0.229 0.258 0.566 2.485	1.0410 1.1500 1.1540 0.5320 0.1780 0.2750 0.2750 0.6210 2.6770	5.200 18.100 4.700 6.200
Toluene-D8 p-Bromofluorobenzene 1,2-Dichloroethane-D4	1.452 0.423 0.373	' ======= :	1.186 0.386	 1.148	1.028 0.311	1.1950 0.3620	13.100 12.100 13.200

Comments:

Method Path : D:\MSDCHEM\S\METHODS\82605MLLOW\

Method File: A6I0001998ASP8260 E1.M

: 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

Response Via : Initial Calibration

8260/ASP

(AGI...1998ASP8260) Calibration Files =S7105.D 2 = S7104.D1 5 = S7101.D= S7102.D8RSD 5 Avg 2 3 4 1 Compound 1,4-Difluoroben ------ISTD-----1) I CI10 Dichlorodifluor 0.191 0.182 0.174 0.179 0.166 0.178 5.16 C290 2) T Chloromethane 0.439 0.300 0.269 0.271 0.264 ----3) T C010 0.259 R=0.995 L M= 0.026 B= Vinyl chloride 0.303 0.279 0.266 0.262 0.249 0.272 7.56 34.93 OUT-C020 4) T 0.125 0.076 0.070 0.066 0.054 0.078 Bromomethane C015 5) T 0.045 0.043 0.041 0.041 0.037 0.042 Chloroethane 6) T C025 Trichlorofluoro 0.293 0.276 0.270 0.279 0.258 0.275 4.70 C275 7) T 1,1-Dichloroeth 0.165 0.175 0.165 0.166 0.156 0.165 4.11 8) T C045 Methylene chlor 0.428 0.280 0.244 0.238 0.221 -----9) T C030 0.216 R=0.997 * L M= B= 0.029 Carbon disulfid 0.686 0.613 0.581 0.594 0.554 0.606 8.21 10) T C040 0.041 0.038 0.036 0.035 0.030 0.036 10.94 11) T C036 Acrolein 0.115 0.107 0.099 0.096 0.083 0.100 12.21 C038 Acrylonitrile 19.33 OUT -12) T 0.090 0.065 0.059 0.060 0.061 0.067 13) T C035 Acetone 0.038 0.035 0.032 0.032 0.028 0.033 14) T C300 C276 15) T L M= 0.261 R=0.998 B = -0.0161,1,2 Trichloro 0.165 0.165 0.152 0.160 0.161 0.161 3.31 16) T C291 T-butyl Methyl 0.667 0.646 0.611 0.613 0.566 0.621 6.22 17) T C962 trans-1,2-Dichl 0.255 0.246 0.234 0.234 0.214 0.237 6.46 18) T C057 18.07 OUT Methyl Acetate 0.358 0.276 0.256 0.255 0.228 0.275 19) Т C255 1,1-Dichloroeth 0.486 0.493 0.461 0.470 0.436 0.469 C050 20) T 0.395 0.453 0.456 0.464 0.418 0.437 6.70 Vinyl Acetate 21) T C125 2,2-Dichloropro 0.285 0.325 0.322 0.334 0.315 0.316 5.93 22) C051 Т cis-1,2-Dichlor 0.270 0.273 0.255 0.256 0.235 0.258 5.82 C056 23) Т Tetrahydrofuran 0.081 0.076 0.072 0.070 0.063 0.073 9.38 C272 24) T Bromochlorometh 0.123 0.121 0.114 0.114 0.106 0.116 5.69 25) Т C222 Chloroform 0.406 0.418 0.396 0.396 0.371 0.397 1,1,1-Trichloro 0.324 0.353 0.342 0.349 0.325 0.338 Carbon tetrachl 0.242 0.292 0.280 0.293 0.274 0.276 1,1-Dichloropro 0.331 0.348 0.330 0.334 0.307 0.330 4.38 26) T C060 3.93 27) T C115 7.54 28) T C120 4.44 C116 29) T Dibromofluorome 0.307 0.248 0.244 0.245 0.222 0.253 1,2-Dichloroeth 0.373 0.301 0.292 0.290 0.268 0.305 12.61 30) S CS87 13.16 31) S CS15 1.076 1.090 1.031 1.032 0.942 1.034 5.60 32) T C165 Benzene 1,2-Dichloroeth 0.314 0.336 0.315 0.314 0.289 0.314 5.36 33) T C065 2-Butanone 0.112 0.115 0.108 0.108 0.096 0.108 6.60 34) T C110 0.573 0.551 0.519 0.530 0.489 0.532 5.98 C256 Cyclohexane 35) T Trichloroethene 0.237 0.255 0.244 0.246 0.229 0.242 4.01 36) T C150 1,2-Dichloropro 0.295 0.290 0.274 0.276 0.251 0.277 6.14 37) T C140 Dibromomethane 0.130 0.132 0.127 0.127 0.119 0.127 3.81 38) T C278 Bromodichlorome 0.249 0.295 0.291 0.298 0.285 0.284 7.04 39) T C130 2-Chloroethylvi 0.096 0.128 0.133 0.137 0.126 0.124 Methylcycolhexa 0.575 0.503 0.469 0.475 0.422 0.489 13.25 C161 40) T 11.47 C012 41) T cis-1,3-Dichlor 0.352 0.398 0.391 0.401 0.381 0.384 42) T C145 Chlorobenzene-D ------ISTD------CI20 43) I 1.452 1.160 1.186 1.148 1.028 1.195 13.07 44) S CS05 Toluene-D8 0.770 0.748 0.696 0.693 0.650 0.712 6.69 C230 45) Т Toluene trans-1,3-Dichl 0.299 0.353 0.348 0.359 0.345 0.341 7.04 46) Т C170 Ethyl Methacryl 0.267 0.322 0.315 0.326 0.308 0.308 7.76 47) T C284 1,1,2-Trichloro 0.170 0.179 0.167 0.170 0.159 0.169 4.25 C160 48) Т 4-Methyl-2-pent 0.242 0.246 0.232 0.228 0.205 0.231

Т

49)

C210

```
Method Path : D:\MSDCHEM\S\METHODS\82605MLLOW\
 Method File: A6I0001998ASP8260 E1.M
             : 8260 5ML WATER
 Title
 Last Update : Wed Oct 11 12:01:01 2006
 Response Via : Initial Calibration
                  Tetrachloroethe 0.276 0.279 0.264 0.266 0.243 0.266
                                                                                               5.37
           C220
50) T
                  1,3-Dichloropro 0.395 0.404 0.379 0.378 0.350 0.381
                                                                                               5.45
51) T
           C221
           C155 Dibromochlorome 0.166 0.200 0.204 0.213 0.209 0.199
                                                                                               9.41
52) T
           C163 1,2-Dibromoetha 0.205 0.213 0.204 0.207 0.195 0.205
                                                                                                3.23
53) T
           C215 2-Hexanone 0.154 0.170 0.163 0.161 0.147 0.159
54) T
                                                                                               5.61
           C235 Chlorobenzene 0.768 0.778 0.736 0.737 0.690 0.742
55) T
                                                                                               4.64
           C281 1,1,1,2-Tetrach 0.202 0.238 0.232 0.237 0.226 0.227
                                                                                                6.54
56) T
           C240 Ethylbenzene 1.363 1.403 1.325 1.326 1.239 1.331
                                                                                               4.56
57) T
           C246 m,p-Xylene 0.538 0.556 0.524 0.513 0.464 0.519 0.547 0-Xylene 0.515 0.536 0.504 0.499 0.451 0.501 0.881 0.915 0.867 0.857 0.778 0.859 0.867 0.354 0.311 0.362
                                                                                                6.72
58) T
                                                                                                6.24
59) T
                                                                                               5.87
60) T
                 p-Bromofluorobe 0.423 0.335 0.386 0.354 0.311 0.362 12.09
61) S
           CS10
                   1,4-Dichloroben ------ISTD------
62) I
           CI30
                   Bromoform 0.166 0.220 0.237 0.254 0.256 ----
63) T
           C180
                                                                          L M= 0.260 R=0.998 *
                                                                               B = -0.020
                   Isopropylbenzen 2.821 2.788 2.638 2.653 2.485 2.677
                                                                                                5.01
64) T
           C966
                   Bromobenzene 0.628 0.610 0.581 0.579 0.546 0.589
                                                                                                5.36
65) T
           C301
                   1,1,2,2-Tetrach 0.490 0.536 0.504 0.507 0.481 0.504
                                                                                                4.14
66) T
           C225
                   1,2,3-Trichloro 0.163 0.171 0.162 0.158 0.148 0.160
                                                                                                5.12
67) T
           C282
                                                                                                3.67
                   t-1,4-Dichloro- 0.170 0.179 0.175 0.177 0.163 0.172
68) T
           C283
           C302 n-Propylbenzene 3.349 3.348 3.126 3.162 2.939 3.185 C303 2-Chlorotoluene 0.627 0.640 0.602 0.609 0.567 0.609
                                                                                                5.40
69) T
                                                                                                4.56
70) T
       C303 2-Chlorotoluene 0.627 0.640 0.602 0.609 0.567 0.609 C289 4-Chlorotoluene 0.656 0.654 0.619 0.613 0.561 0.621 1.3.5-Trimethyl 2.336 2.333 2.182 2.172 1.984 2.202 C306 tert-Butylbenze 0.575 0.520 0.484 0.487 0.445 0.502 C307 1.2.4-Trimethyl 2.269 2.318 2.177 2.161 2.020 2.189 C308 sec-Butylbenzen 3.234 2.905 2.713 2.729 2.461 2.808 C260 1.3-Dichloroben 1.247 1.176 1.125 1.134 1.068 1.150 C309 4-Isopropyltolu 2.803 2.577 2.414 2.419 2.182 2.479 C267 1.4-Dichloroben 1.293 1.185 1.114 1.127 1.051 1.154 C249 1.2-Dichloroben 1.139 1.100 1.026 1.017 0.925 1.041 C310 n-Butylbenzene 2.337 2.233 2.099 2.092 1.852 2.123 C286 1.2-Dibromo-3-C 0.039 0.070 0.075 0.079 0.076 -----
                                                                                                6.22
71) T
                                                                                                6.58
72) T
                                                                                                9.67
73) T
                                                                                               5.23
74) T
                                                                                             10.18
75) T
                                                                                               5.78
76) T
                                                                                                9.26
77) T
                                                                                                7.91
78) T
                                                                                                7.95
79) T
80) T
81) T
           C286
                   1,2-Dibromo-3-C 0.039 0.070 0.075 0.079 0.076 ----
                                                                           L M= 0.077 R=0.998 €
                                                                               B = -0.003
                   1,2,4-Trichloro 0.537 0.527 0.533 0.549 0.497 0.529
                                                                                                3.69
82) T
           C313
           C316 Hexachlorobutad 0.503 0.302 0.271 0.264 0.224 0.313 C314 Naphthalene 0.938 1.018 1.119 1.180 1.057 1.062
                                                                                               35.1900
83) T
84) T
                   1,2,3-Trichloro 0.570 0.453 0.459 0.466 0.390 0.468 13.83
85) T
                                                                  Total Average %RSD 7.96
```

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef (#) = Out of Range

A6I0001998ASP8260_E1.M Wed Oct 11 12:01:08 2006 HP5973S

ICC Profile

Date: 10/03/2006 Time: 14:16:04

Page: Rept: AN0287R

ICC Profile Code: A00263 METHOD 8260 low 5ML PURGE (30% RSD/ 20% D)

Fraction: MV

No of Points: 5

Default Min. RRF: 0.3000

CCC Conc: 125.00

QC Approver: JRS

QC Date: 11/08/2005

Comments:

			_	On Column		
Seq	Parameter	Point 1	Point 2	Point 3	Point 4	Point 5
2 123-9		200.000	2000.0000		10000.0000	
7 77-73	-6 Dicyclopentadiene	5.0000	50.0000	125.0000	250.0000	500.0000
8 526-7	3-8 1,2,3-Trimethylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
15 994-0	5-8 tert-Amyl Methyl Ether (TAME)	5.0000	50.0000	125.0000	250.0000	500.0000
18 67-64	-1 Acetone	25.0000	250.0000	625.0000	1250.0000	2500.0000
20 71-43	-2 Benzene	5.0000	50.0000	125.0000	250.0000	500.0000
25 637-9	2-3 Ethyl-t-butyl ether (ETBE)	5.0000	50.0000	125.0000	250.0000	500.0000
30 108-8	6-1 Bromobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
40 74-97	'-5 Bromochloromethane	5.0000	50.0000	125.0000	250.0000	500.0000
50 75-27	-4 Bromodichtoromethane	5.0000	50.0000	125.0000	250.0000	500.0000
51 108-7	0-3 1,3,5-Trichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
60 75-25	-2 Bromoform	5.0000	50.0000	125.0000	250.0000	500.0000
70 74-83	-9 Bromomethane	5.0000	50.0000	125.0000	250.0000	500.0000
88 78-93	-3 2-Butanone	25.0000	250.0000	625.0000	1250.0000	2500.0000
90 104-5	1-8 n-Butylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
91 107-1	2-0 Propionitrile	50.0000	500.0000	1250.0000	2500.0000	5000.0000
92 126-9		5.0000	50.0000	125.0000	250.0000	500.0000
93 108-2	0-3 Isopropyl Ether (DIPE)	5.0000	50.0000	125.0000	250.0000	500.0000
94 78-83		200.0000	2000.0000	5000.0000	10000.0000	20000.0000
95 71-36		200.0000	2000.0000	5000.0000	10000.0000	20000.0000
96 108-4		5.0000	50.0000	125.0000	250.0000	500.0000
97 108-9		50.0000	500.0000	1250.0000	2500.0000	5000.0000
98 76-0		5.0000	50.0000	125.0000	250.0000	500.0000
99 75-65		100.0000	1000.0000	2500.0000	5000.0000	10000.0000
100 135-9		5.0000	50.0000	125.0000	250.0000	500.0000
101 79-20		5.0000	50.0000	125.0000	250.0000	
102 110-8		5.0000	50.0000	125.0000	250.0000	
103 108-8		5.0000	50.0000	125.0000	250.0000	
104 98-56		5.0000	50.0000	125.0000	250.0000	
105 98-15		5.0000	50.0000	125.0000	250.0000	
106 88-16		5.0000	50.0000	125.0000	250.0000	
110 98-0		5.0000	50.0000	125.0000	250.0000	
111 106-8		100.0000	1000.0000	2500.0000		10000.0000
112 79-46		25.0000	250.0000	625.0000	1250.0000	
114 TOTAL		5.0000	50.0000	125.0000	250.0000	
120 554-	그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	5.0000	50.0000	125.0000		
120 554-		5.0000	50.0000	125.0000		
		5.0000	50.0000	125.0000		
128 75-15		5.0000	50.0000	125.0000		
130 56-23		5.0000				
140 108-9			50.0000	125.0000		
145 104-7		50.0000	500.0000	1250.0000		
150 75-00	The state of the s	5.0000	50.0000	125.0000		
160 67-60		5.0000	50.0000	125.0000		
170 74-87		5.0000	50.0000	125.0000		
180 95-49	1. 1. 1988年1917 - 新疆设施 1918年1918年1918年1918年1918年1918年1918年1918	5.0000	50.0000	125.0000	STATE OF STATE OF STATE	and the of the
190 106-4		5.0000	50.0000	125.0000		
200 124-4	8-1 Dibromochloromethane	5.0000	50.0000	125.0000	250.0000	500.0000

1-1-6 -- 18

ICC Profile

Date: 10/03/2006 Time: 14:16:04 Page: 2 Rept: AN0287R

ICC Profile Code: A00263 METHOD 8260 low 5ML PURGE (30% RSD/ 20% D) (continued)

			ng	On Column		
Seq	Parameter	Point 1	Point 2	Point 3	Point 4	Point 5
201 110-54-3	Hexane	5.000 0	50.0000	125.0000	250.0000	500.0000
202 142-82-5	Heptane	5.000 0	50.0000	125.0000	250.0000	500.0000
203 534-15-6	1,1-Dimethoxyethane	25.000 0	250.0000	625.0000	1250.0000	2500.0000
204 75-56-9	Propylene Oxide	25.0000	250.0000	625.0000	1250.0000	2500.0000
210 96-12-8	1,2-Dibromo-3-chloropropane	5.000 0	50.0000	125.0000	250.0000	500.0000
220 106-93-4	1,2-Dibromoethane	5.000 0	50.0000	125.0000	250.0000	500.0000
230 74-95-3	Dibromomethane	5.0000	50.0000	125.0000	250.0000	500.0000
240 95-50-1	1,2-Dichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
250 541-73-1	1,3-Dichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
260 106-46-7	1,4-Dichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
270 75-71-8	Dichlorodifluoromethane	5.000	50.0000	125.0000	250.0000	500.0000
280 75-34-3	1.1-Dichloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
290 107-06-2	1,2-Dichloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
300 75-35-4	1,1-Dichloroethene	5.000	50.0000	125.0000	250.0000	500.0000
307 109-99-9	Tetrahydrofuran	25.000 0	250.0000	625.0000	1250.0000	
		5.0000	50.0000	125.0000	250.0000	500.0000
310 156-59-2	cis-1,2-Dichloroethene	5.0000	50.0000	125.0000	250.0000	500.0000
320 156-60-5	trans-1,2-Dichloroethene				250.0000	500.0000
330 78-87-5	1,2-Dichloropropane	5.0000	50.0000	125.0000		500.0000
340 142-28-9	1,3-Dichloropropane	5.0000	50.0000	125.0000	250.0000	
350 594-20-7	2,2-Dichloropropane	5.0000		125.0000	250.0000	500.0000
360 563-58-6	1,1-Dichloropropene	5.0000	50.0000	125.0000	250.0000	500.0000
370 10061-01-5	cis-1,3-Dichloropropene	5.0000	50.0000	125.0000	250.0000	500.0000
380 10061-02-6	trans-1,3-Dichloropropene	5.0000	50.0000	125.0000	250.0000	500.0000
390 100-41-4	Ethyl benzene	5.0000	50.0000	125.0000	250.0000	500.0000
410 87-68-3	Hexachlorobutadiene	5.0000	50.0000	125.0000	250.0000	500.0000
418 591-78-6	2-Hexanone	25.0000	250.0000	625.0000	1250.0000	2500.0000
420 98-82-8	Isopropyl benzene	5.0000	50.0000	125.0000	250.0000	500.0000
430 99-87-6	p-Cymene	5.0000	50.0000	125.0000	250.0000	500.0000
440 75-09-2	Methylene chloride	5.0000	50.0000	125.0000	250.0000	500.0000
458 108-10-1	4-Methyl-2-pentanone	25.0000	250.0000	625.0000	1250.0000	2500.0000
460 91-20-3	Naphthalene	5.0000	50.0000	125.0000	250.0000	500.0000
470 103-65-1	n-Propylb en zene	5.0000	50.0000	125.0000	250.0000	500.0000
480 100-42-5	Styrene	5.0000	50.0000	125.0000	250.0000	500.0000
490 630-20-6	1,1,1,2-Tetrachloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
500 79-34-5	1,1,2,2-Tetrachloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
510 127-18-4	Tetrachloroethene	5.0000	50.0000	125.0000	250.0000	500.0000
520 108-88-3	Toluene	5.0000	50.0000	125.0000	250.0000	500.0000
530 87-61-6	1,2,3-Trichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
540 120-82-1	1,2,4-Trichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
550 71-55-6	1,1,1-Trichloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
560 79-00-5	1,1,2-Trichloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
570 79-01-6	Trichloroethene	5.0000	50.0000	125.0000	250.0000	500.0000
580 75-69-4	Trichlorofluoromethane	5.0000	50.0000	125.0000	250.0000	500,0000
590 96-18-4	1,2,3-Trichloropropane	5.0000	50.0000	125.0000	250.0000	500,0000
600 95-63-6	1,2,4-Trimethylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
610 108-67-8	1,3,5-Trimethylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
620 75-01-4	Vinyl chloride	5.0000	50.0000	125.0000	250.0000	500.0000
630 1330-20-7	Total Xylenes	15.0000	150.0000	375.0000	750.0000	1500.0000
646 SU107-06-2	1,2-Dichloroethane-D4	5.0000	50.0000	125.0000	250.0000	500.0000
648 2037-26-5	Toluene-D8	5.0000	50.0000	125.0000	250,0000	500.0000
650 460-00-4	p-Bromofluorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
660 SU95-50-1	1,2-Dichlorobenzene-d4	5.0000	50.0000	125.0000	250.0000	500.0000
1-00 3093-30-1	1, E D ICITO ODEIZERE U4	7.000 0	20.0000	.25.0000		200.0000

ICC Profile

Date: 10/03/2006 Time: 14:16:04

ICC Profile Code: A00263 METHOD 8260 low 5ML PURGE (30% RSD/ 20% D) (continued)

–ng On Column -Point 5 Point 1 Point 2 Point 3 Point 4 Parameter | Seq 1,4-Dichlorobenzene-D4 0.0000 0.0000 0.0000 0.0000 0.0000 670 SU106-46-7 0.0000 0.0000 0.0000 Chlorobenzene-D5 0.0000 0.0000 680 3114-55-4 0.0000 0.0000 0.0000 0.0000 0.0000 1,4-Difluorobenzene 690 540-36-3 0.0000 0.0000 0.0000 0.0000 0.0000 700 462-06-6 Fluorobenzene 50.0000 125.0000 250.0000 500.0000 Methyl-t-Butyl Ether (MTBE) 5.0000 800 1634-04-4 125,0000 250.0000 500,0000 5.0000 50.0000 805 75-43-4 Dichlorofluoromethane 125.0000 250.0000 500.0000 5.0000 50.0000 810 594-18-3 Dibromodichloromethane 10000.0000 100.0000 1250.0000 2500.0000 5000.0000 815 107-02-8 Acrolein 125.0000 250.0000 500.0000 50,0000 5.0000 820 76-13-1 1,1,2-Trichloro-1,2,2-trifluor 2500.0000 5000.0000 10000.0000 825 107-13-1 Acrylonitrile 100,0000 1250,0000 125.0000 250.0000 500.0000 830 80-62-6 Methyl methacrylate 5.0000 50.0000 10.0000 100.0000 250,0000 500.0000 1000.0000 840 540-59-0 1,2-Dichloroethene (Total) 100.0000 250.0000 500.0000 1000.0000 10.0000 850 M/P XYLENE m/p-Xylenes 250.0000 500,0000 50.0000 125.0000 860 95-47-6 o-Xylene 5.0000 2500.0000 Vinyl acetate 25.0000 250.0000 625.0000 1250.0000 870 108-05-4 25.0000 250.0000 625.0000 1250.0000 2500.0000 2-Chloroethylvinyl ether 880 110-75-8 1250.0000 2500.0000 625.0000 250.0000 890 110-57-6 trans-1,4-Dichloro-2-butene 25.0000 250.0000 500.0000 50,0000 125.0000 900 74-88-4 I odomethane 5.0000 910 97-63-2 Ethyl methacrylate 5.0000 50.0000 125.0000 250.0000 500.0000 50.0000 125.0000 250.0000 9-500:0000 5.0000 920 75-45-6 Chlorodifluoromethane 125.0000 250.0000 500.0000 5.0000 50.0000 1-Chlorohexane 930 544-10-5 10000.0000 20000.0000 5000.0000 940 75-05-8 Acetonitrile 200.0000 2000.0000 125.0000 250,0000 500,0000 950 60-29-7 Ethyl ether 5.0000 50.0000 250.0000 500.0000 1000.0000 10.0000 100.0000 m-Xylene 951 108-38-3 250.0000 500.0000 1000.0000 10.0000 100.0000 952 106-42-3 p-Xylene 10.0000 250.0000 500.0000 1000.0000 100.0000 962 542-75-6 1,3-Dichloropropene (Total) 1000.0000 2500.0000 5000.0000 10000.0000 Ethanol 100.0000 972 64-17-5 50.0000 125.0000 250.0000 500,0000 982 141-78-6 Ethyl acetate 5.0000 50.0000 500.0000 125.0000 250.0000 5.0000 992 107-05-1 3-Chloropropene (Allyl Chlor.) 500.0000 993 126-99-8 2-Chloro-1,3-butadiene 5.0000 50.0000 125.0000 250.0000 125.0000 250.0000 500.0000 5.0000 50.0000 994 54-28-81TIC Bis(chloromethyl) ether (VOA T

3 Page:

Rept: ANO287R

Data File : D:\MSDCHEM\S\DATA\100306\S7105.D

Acq On : 3 Oct 2006 11:55

Sample : VSTD001

Misc : VSTDU

MS Integration Params: RTEINT.P

Vial: 6

Operator: LH Inst : HP5973S

Multiplr: 1.00

The Theographic Taramot Million

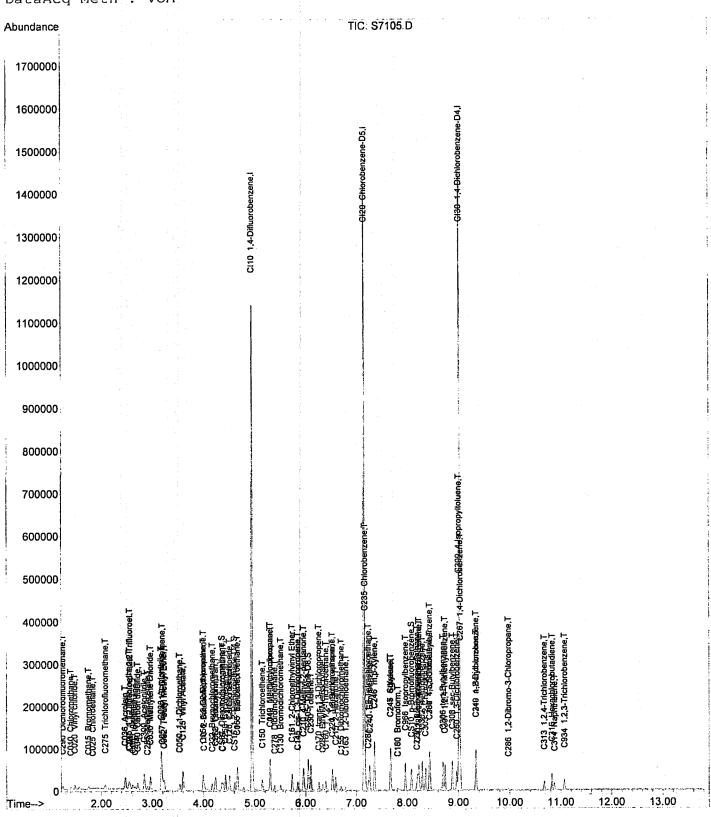
Quant Time: Oct 03 13:16:06 2006 Results File: A6I0001998_E1.RES

Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)
Title : 8260 5ML WATER

Last Update : Tue Oct 03 13:09:53 2006

Response via : Initial Calibration

DataAcq Meth: VOA



Data File : D:\MSDCHEM\S\DATA\100306\S7105.D

Acq On : 3 Oct 2006 11:55 Sample : VSTD001

Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 03 13:16:06 2006

Operator: LH

: HP5973S Inst Multiplr: 1.00

Vial: 6

Results File: A6I0001998_E1.RES

Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update : Tue Oct 03 13:09:53 2006 Response via : Initial Calibration

DataAcq Meth : VOA

NSVDataV100306VS7103 D (3 Oct 2006 11:06)

IS QA File : D:\MSDChem\S\Data\	100306\\$710	3.D (3 Oct	2006 11:	.06)
Internal Standards	R.T. QIon			D (7)
1) CI10 1,4-Difluorobenzene	4.95 114	679359	125.00 ng	
43) CI20 Chlorobenzene-D5	7.16 117	654796	125.00 no	g 0.00 97.28%
62) CI30 1,4-Dichlorobenzene-	9.02 152	322368		94.52%
System Monitoring Compounds 30) CS87 Dibromofluoromethane Spiked Amount 125.000 Rang 31) CS15 1,2-Dichloroethane-D Spiked Amount 125.000 Rang 44) CS05 Toluene-D8 Spiked Amount 125.000 Rang 61) CS10 p-Bromofluorobenzene Spiked Amount 125.000 Rang	ge 70 - 130 4.61 65 ge 73 - 130	Recove 10131 Recove	ery = 6.12 no ery = 6.08 no	4.86%# g 0.00 4.90%#
Target Compounds 2) C290 Dichlorodifluorometh 3) C010 Chloromethane 4) C020 Vinyl chloride 5) C015 Bromomethane 6) C025 Chloroethane 7) C275 Trichlorofluorometha 8) C045 1,1-Dichloroethene 9) C030 Methylene chloride 10) C040 Carbon disulfide 11) C036 Acrolein 12) C038 Acrylonitrile 13) C035 Acetone 14) C300 Acetonitrile 15) C276 Iodomethane 16) C291 1,1,2 Trichloro-1,2, 17) C962 T-butyl Methyl Ether 18) C057 trans-1,2-Dichloroet	1.25 85 1.41 50 1.49 62 1.75 94 1.84 64 2.08 101 2.54 96 2.97 84 2.72 76 3.18 53 2.62 43 2.62 43 2.62 43 2.67 142 2.57 101 3.23 73 3.20 96 2.91 43	5184 11926 8240 3389 1232 7968 4473 11620 18642 22056 62487 12196 41847 9087 4494 18132 6937 9741 13214	5.35 ng 7.11 ng 5.58 ng 7.98 ng 5.46 ng 5.33 ng 4.98 ng 7.58 ng 5.66 ng 113.15 ng 114.92 ng 33.53 ng 232.09 ng 6.53 ng 5.14 ng 5.38 ng 6.52 ng	Qvalue 94 92 97 83 97 83 98 99 86 99 98 90 100 88 90 100 88 90 100 88 96 90 92 87 94 96 99 97 97 98 99 99 99 99 99 99 99 99 99 99
33) C065 1,2-Dichloroethane 34) C110 2-Butanone 35) C256 Cyclohexane 36) C150 Trichloroethene 37) C140 1,2-Dichloropropane 38) C278 Dibromomethane	4.67 62 4.02 43 4.43 56 5.14 95 5.30 63 5.39 93	15564 6445 8003	5.01 n 25.94 n 5.38 n 4.89 n 5.31 n 5.10 n	9 98 g # 84 g 97 g 82

Data File : D:\MSDCHEM\S\DATA\100306\S7105.D

Vial: 6 Acq On : 3 Oct 2006 11:55 Operator: LH

: VSTD001 Sample

: HP5973S Inst Multiplr: 1.00

Misc MS Integration Params: RTEINT.P

Quant Time: Oct 03 13:16:06 2006

Results File: A6I0001998_E1.RES

Quant Method : D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update : Tue Oct 03 13:09:53 2006

Response via : Initial Calibration

DataAcq Meth : VOA

: D:\MSDChem\S\Data\100306\S7103.D (3 Oct 2006 11:06) IS QA File

Internal Standards	R.T.	QIon	Response	Conc Units		(Min) (Ar)
39) C130 Bromodichloromethane	5.51	83	6765	4.39 ng		98
40) C161 2-Chloroethylvinyl E	5.73	63	12982	19.29 ng		98
41) C012 Methylcycolhexane	5.30	83	15623	5.88 ng		90
42) C145 cis-1,3-Dichloroprop	5.84	75	9567	4.58 ng		82
45) C230 Toluene	6.10	92	20171	5.41 ng		92
46) C170 trans-1,3-Dichloropr	6.26	75	7834	4.39 ng		99
47) C284 Ethyl Methacrylate	6.33	69	6982	4.33 ng	#	67
48) C160 1,1,2-Trichloroethan	6.40	83	4460	5.03 ng		89
49) C210 4-Methyl-2-pentanone	5.96	43	31739	26.28 ng	#	92
50) C220 Tetrachloroethene	6.53	166	7219	5.19 ng		98
51) C221 1,3-Dichloropropane	6.52	76	10346	5.18 ng		86
52) C155 Dibromochloromethane	6.70	129	4358	4.19 ng		89
53) C163 1,2-Dibromoethane	6.79	107	5381	5.01 ng		92
54) C215 2-Hexanone	6.59	43	20144	24.18 ng	#.	83
55) C235 Chlorobenzene	7.17	112	20115	5.18 ng		96
56) C281 1,1,1,2-Tetrachloroe	7.23	131	5282	4.45 ng		95
57) C240 Ethylbenzene	7.27	91	35704	5.12 ng		97
58) C246 m,p-Xylene	7.36	106	28170	10.36 ng		90
59) C247 o-Xylene	7.67	106	13488	5.14 ng		95
60) C245 Styrene	7.68	104	23072	5.13 ng		98
63) C180 Bromoform	7.82	173	2145	3.67 ng		83
64) C966 Isopropylbenzene	7.97	105	36374	5.27 ng		93
65) C301 Bromobenzene	8.20	156	8094	5.33 ng	#	76
66) C225 1,1,2,2-Tetrachloroe	8.18	83	6320	4.87 ng		97
67) C282 1,2,3-Trichloropropa	8.22	110	2101	5.08 ng	,,	100
68) C283 t-1,4-Dichloro-2-But	8.23	53	10953	24.62 ng	#	76
69) C302 n-Propylbenzene	8.29	91	43188	5.26 ng		93
70) C303 2-Chlorotoluene	8.36	126	8081	5.15 ng		100
71) C289 4-Chlorotoluene	8.45	126	8460	5.28 ng		100
72) C304 1,3,5-Trimethylbenze	8.43	105	30122	5.31 ng		99
73) C306 tert-Butylbenzene	8.70	134	7410	5.72 ng		100 100
74) C307 1,2,4-Trimethylbenze	8.74	105	29258 41703	5.18 ng 5.76 ng		92
75) C308 sec-Butylbenzene	8.88	105		5.42 ng		97
76) C260 1,3-Dichlorobenzene	8.97	146	16076 36146			99
77) C309 4-Isopropyltoluene	9.00	119	16678	5.65 ng 5.60 ng		95
78) C267 1,4-Dichlorobenzene	9.04	146 146	14690	5.47 ng		92
79) C249 1,2-Dichlorobenzene	9.35	91	30132	5.50 ng		97
80) C310 n-Butylbenzene		75	507	2.90 ng		94
81) C286 1,2-Dibromo-3-Chloro	9.98 10.68	180	6920	5.08 ng		84
82) C313 1,2,4-Trichlorobenze 83) C316 Hexachlorobutadiene	10.82	225	6489	8.04 ng		96
and the second of the second o	10.82	128	12091	4.41 ng		100
84) C314 Naphthalene 85) C934 1,2,3-Trichlorobenze	11.07	180	7345	6.09 ng		97

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : D:\MSDCHEM\S\DATA\100306\S7104.D

3 Oct 2006 Acq On

Sample : VSTD010

Misc MS Integration Params: RTEINT.P

Vial: 5 Operator: LH 11:30

: HP5973S Inst

Multiplr: 1.00

Results File: A6I0001998_E1.RES Quant Time: Oct 03 13:16:00 2006

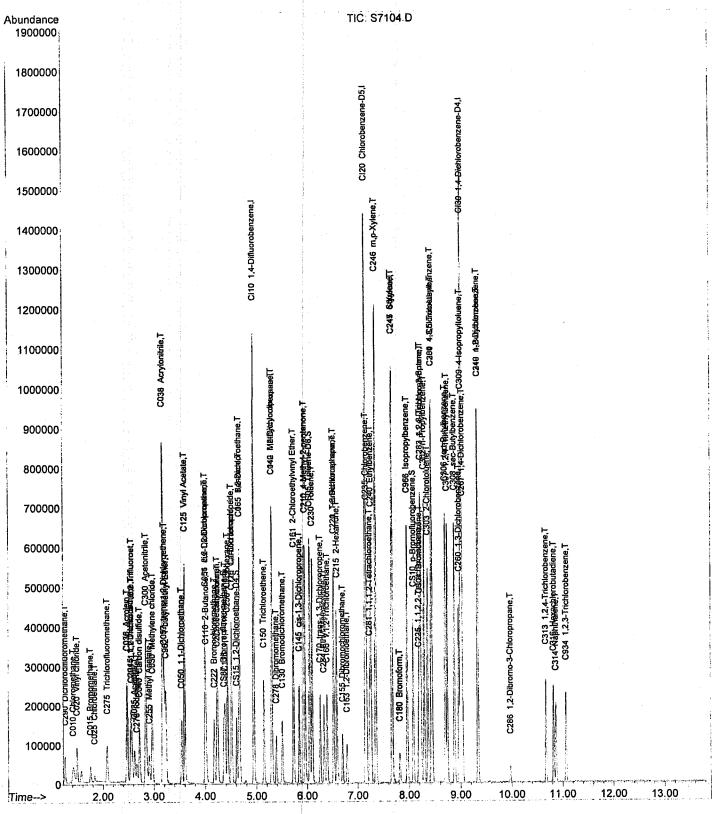
Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

Title : 8260 5ML WATER

: Tue Oct 03 13:09:53 2006 Last Update

Response via : Initial Calibration

DataAcq Meth: VOA



Vial: 5

Multiplr: 1.00

: HP5973S

Operator: LH

Inst

Data File : D:\MSDCHEM\S\DATA\100306\S7104.D

Acq On : 3 Oct 2006 11:30 Sample : VSTD010

Misc

MS Integration Params: RTEINT.P

Results File: A6I0001998_E1.RES Quant Time: Oct 03 13:16:00 2006

Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update : Tue Oct 03 13:09:53 2006 Response via : Initial Calibration

DataAcq Meth : VOA

~\e\n=+=\100306\97103 D (3 Oct 2006 11:06)

IS QA File : D:\MSDChem\S\Data	\100306\s7	103.D (3 Oct 2	2006 11:0)6)
Internal Standards	A CONTRACTOR OF THE CONTRACTOR	n Response (D / 7 \
1) CI10 1,4-Difluorobenzene			125.00 ng	
43) CI20 Chlorobenzene-D5	7.16 11	.7 656299	125.00 ng	0.00 97.51%
62) CI30 1,4-Dichlorobenzene-	9.02 15	330018	125.00 ng	0.00 96.77%
System Monitoring Compounds 30) CS87 Dibromofluoromethane Spiked Amount 125.000 Ran 31) CS15 1,2-Dichloroethane-D Spiked Amount 125.000 Ran 44) CS05 Toluene-D8 Spiked Amount 125.000 Ran 61) CS10 p-Bromofluorobenzene Spiked Amount 125.000 Ran	ge 70 - 1	Recovery 81434	y = 39 49.39 ng	0.00 0.00 518#
Target Compounds 2) C290 Dichlorodifluorometh 3) C010 Chloromethane 4) C020 Vinyl chloride 5) C015 Bromomethane 6) C025 Chloroethane 7) C275 Trichlorofluorometha 8) C045 1,1-Dichloroethene 9) C030 Methylene chloride 10) C040 Carbon disulfide Acrolein 12) C038 Acrylonitrile 13) C035 Acetone 14) C300 Acetonitrile 15) C276 Iodomethane 16) C291 1,1,2 Trichloro-1,2, 17) C962 T-butyl Methyl Ether 18) C057 trans-1,2-Dichloroet 19) C255 Methyl Acetate 20) C050 1,1-Dichloroethane 21) C125 Vinyl Acetate 22) C051 2,2-Dichloropropane 23) C056 cis-1,2-Dichloroethe 24) C272 Tetrahydrofuran 25) C222 Bromochloromethane 26) C060 Chloroform 27) C115 1,1,1-Trichloroethan 28) C120 Carbon tetrachloride 29) C116 1,1-Dichloropropene 32) C165 Benzene 33) C065 1,2-Dichloropropene 34) C110 2-Butanone Cyclohexane 36) C150 Trichloroethene 37) C140 1,2-Dichloropropane 38) C278 Dibromomethane	1.41 1.49 1.75 1.84 2.08 2.54 2.97 2.72 2.47 3.17 2.62 2.84 2.67 1.62 2.84 2.67 2.56 3.23 3.20 2.91 3.54 3.60 3.99 4.00 4.22 4.18 4.24 4.38 4.52 4.67 4.66 4.67 4.02 4.43 5.15 5.30	80 81188 75407 20663 64 20663 64 11618 74655 47414 84 75807 76 165962 56 207411 1 53 580604 1 43 87424 1 41 380162 2 58670 44715 174920 66 488 74637 63 133357 133357 43 612933 87904 96 73829 103235 28 32771 133231 97 95462 75 17 78987 94212 78 295093 91027	51.25 ng 48.83 ng 51.65 ng 50.13 ng 52.98 ng 49.63 ng 50.61 ng 068.07 ng 071.77 ng 241.25 ng 116.29 ng 42.29 ng 51.37 ng 52.05 ng 51.88 ng 50.16 ng	97 95 98 96 99 91 88 100 96 91 97 89 98 97 94 91 97 94 91 97 95 94 100 93 97 85 99 87

Vial: 5 Data File : D:\MSDCHEM\S\DATA\100306\S7104.D Acq On : 3 Oct 2006 11:30 Operator: LH

: VSTD010 : HP5973S Inst Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P Results File: A6I0001998_E1.RES Quant Time: Oct 03 13:16:00 2006

Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update : Tue Oct 03 13:09:53 2006

Response via: Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\100306\S7103.D (3 Oct 2006 11:06)

Internal	Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39) C130 40) C161 41) C012 42) C145	2-Chloroethylvinyl E Methylcycolhexane	5.51 5.73 5.30 5.84	83 63 83 75	79849 172866 136077 107710	52.01 ng 257.76 ng 51.41 ng 51.74 ng	100 97 91 79
45) C230 46) C170 47) C284	Toluene trans-1,3-Dichloropr	6.10 6.26 6.33	92 75 69	196384 92751 84454	52.56 ng 51.81 ng 52.29 ng	90 98 # 71
48) C160 49) C210 50) C220	4-Methyl-2-pentanone Tetrachloroethene	6.40 5.95 6.52	83 43 166	47020 323288 73352	52.93 ng 267.03 ng 52.62 ng	99 # 89 93 86
51) C221 52) C155 53) C163 54) C215	Dibromochloromethane 1,2-Dibromoethane	6.52 6.70 6.78 6.58	76 129 107 43	106070 52527 56046 223354	53.01 ng 50.39 ng 52.09 ng 267.50 ng	90 99 # 87
54) C215 55) C235 56) C281 57) C240	Chlorobenzene 1,1,1,2-Tetrachloroe	7.17 7.24 7.27	112 131	204320 62442 368426	52.46 ng 52.45 ng 52.71 ng	98 99 99
58) C246 59) C247 60) C245	m,p-Xylene o-Xylene Styrene	7.36 7.67 7.67	106 104	291941 140725 240117	107.16 ng 53.51 ng 53.22 ng	99 92 96
63) C180 64) C966 65) C301 66) C225	Isopropylbenzene Bromobenzene	7.81 7.96 8.20 8.18	105	28980 368057 80493 70761	48.46 ng 52.08 ng 51.80 ng 53.22 ng	93 99 # 72 99
67) C282 68) C283 69) C302	1,2,3-Trichloropropa t-1,4-Dichloro-2-But	8.22 8.23 8.29	110 53	22545 117868 441966	53.22 ng 258.82 ng 52.56 ng	100 98 99
70) C303 71) C289 72) C304	2-Chlorotoluene 4-Chlorotoluene 1,3,5-Trimethylbenze	8.36 8.45 8.43	126 105	84466 86396 308025	52.54 ng 52.70 ng 53.00 ng	100 100 100
73) C306 74) C307 75) C308	1,2,4-Trimethylbenze sec-Butylbenzene	8.70 8.74 8.88 8.97	105 105	68685 305963 383417 155193	51.81 ng 52.94 ng 51.71 ng 51.13 ng	100 97 96 98
76) C260 77) C309 78) C267 79) C249	4-Isopropyltoluene 1,4-Dichlorobenzene	9.00 9.04 9.34	119 146	340188 156412 145167	51.98 ng 51.33 ng 52.80 ng	98 97 94
80) C310 81) C286 82) C313	n-Butylbenzene 1,2-Dibromo-3-Chloro 1,2,4-Trichlorobenze	9.33 9.97 10.67	91 75 180	294826 9197 69612	52.61 ng 51.39 ng 49.88 ng	100 97 99
83) C316 84) C314 85) C934	Naphthalene	10.82 10.87 11.07	128	39838 134371 59840	48.25 ng 47.91 ng 48.47 ng	99 100 99

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Vial: 4

Data File : D:\MSDCHEM\S\DATA\100306\S7103.D

3 Oct 2006 11:06 Acq On

Operator: LH : HP5973S Inst VSTD025 Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Results File: A6I0001998_E1.RES Quant Time: Oct 03 13:15:52 2006

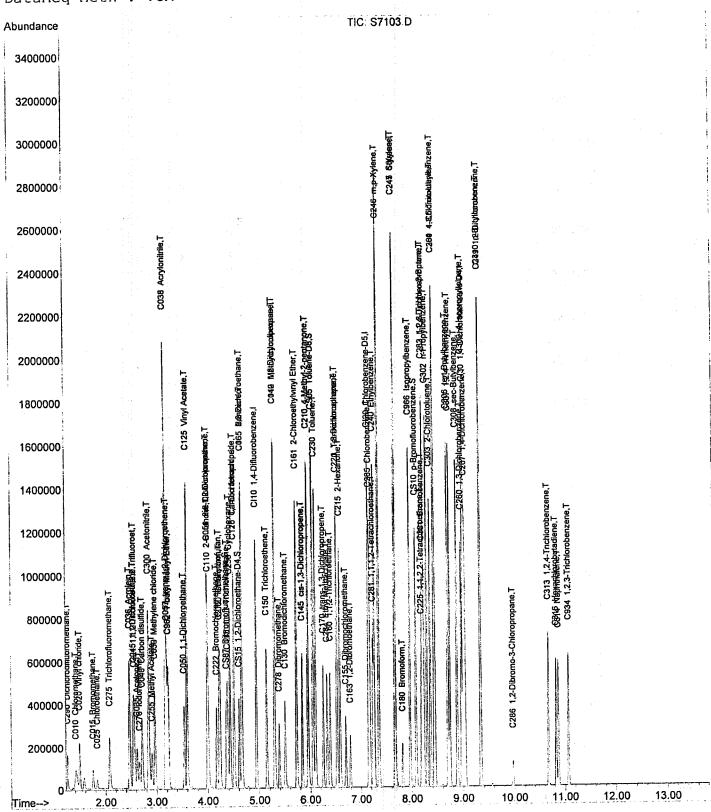
Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

5ML WATER 8260 Title

Last Update : Tue Oct 03 13:09:53 2006

Response via: Initial Calibration

DataAcq Meth : VOA



Data File : D:\MSDCHEM\S\DATA\100306\S7103.D

Vial: 4 Operator: LH

Acq On : 3 Oct 2006 11:06 Sample : VSTD025 Inst : HP5973S Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P Results File: A6I0001998_E1.RES Quant Time: Oct 03 13:15:52 2006

Quant Method : D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

Title : 8260 5ML WATER

Last Update : Tue Oct 03 13:09:53 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\100306\S7103.D (3 Oct 2006 11:06)

Internal S	Standards	R.T.	QIon	Response	Conc Ur	nits	Dev(M Rcv(A	
1) CI10	1,4-Difluorobenzene			690788		ng		0.00
2, 3220							100.	
43) CI20	Chlorobenzene-D5	7.16	117	673074	125.00	ng		0.00
			150	241040	105 00		100.	0.00
62) CI30	1,4-Dichlorobenzene-	9.02	152	341048	125.00	ng	100.	
System Mo	nitoring Compounds							
30) CS87		4.36	111	168794	120.60			0.00
Spiked A	mount 125.000 Rang		- 130				.48%	
31) CS15	1,2-Dichloroethane-D	4.61	65 - 136	201381	119,67		.748	0.00
Spiked A	mount 125.000 Rang	6.05		Recove 798536	ery = 124.12			0.00
44) CS05	Toluene-D8 mount 125.000 Rang	0.03	- 122			99	.30%	,
Spiked A	p-Bromofluorobenzene	8 08	174	259473	-			0.00
Spiked A	mount 125.000 Rang		- 120	Recove			.51%	
opined in		, -			-			
Target Co							Qva]	
2) C290		1.25		120322	122.06			100
3) C010	Chloromethane	1.41		186159				97 97
4) C020	Vinyl chloride	1.49		183554 48375	122.24 112.01			98
5) C015	Bromomethane Chloroethane	1.75 1.83		28229				97
6) C025 7) C275	Trichlorofluorometha			186183				100
8) C045	1,1-Dichloroethene			114042	124.85	_		91
9) C030	Methylene chloride	2.96		168606 401140	108.14		#	85
10) C040	Carbon disulfide	2.72		401140	119.84			98
11) C036	Acrotein	2.41		491894	2481.82			100
12) C038	Acrylonitrile	3.17		1373731	2484.59			96 91
13) C035	Acetone	2.62		204431 897560				99
14) C300	Acetonitrile	2.84		150214		-		95
15) C276 16) C291	<pre>Iodomethane 1,1,2 Trichloro-1,2,</pre>							96
17) C962	T-butyl Methyl Ether	3.23		105192 422141	123.08		#	88
18) C057	trans-1,2-Dichloroet			161700	123.63	ng		91
19) C255	Methyl Acetate	2.91		176977	116.53			94
20) C050	1,1-Dichloroethane				122.94			97
21) C125	Vinyl Acetate	3.60						97 96
22) C051	2,2-Dichloropropane			222311	127.24	-		91
23) C056	cis-1,2-Dichloroethe	3.99 4.22		176002 248993	123.48 621.34	na	#	92
24) C272 25) C222	Tetrahydrofuran Bromochloromethane	4.17		78858	123.49			93
26) C060	Chloroform	4.24		273442	124.52			96
27) C115	1,1,1-Trichloroethan	4.38		236127	126.27	_		95
28) C120	Carbon tetrachloride	4.52	117	193477	126.80	_		97
29) C116	1,1-Dichloropropene	4.51		228059	125.01			99
32) C165	Benzene	4.66		712260	124.62			100 91
33) C065	1,2-Dichloroethane	4.66		217552	125.49 627.86			96
34) C110	2-Butanone	4.01 4.43		374564 358323	121.78		#	85
35) C256 36) C150	Cyclohexane Trichloroethene	5.14		168656	125.85		.,	94
37) C140	1,2-Dichloropropane	5.30		189572	123.80	ng	مكام الكوراندان	
38) C278	Dibromomethane	5.39		87586	124.73	ng		91

Vial: 4

Data File : D:\MSDCHEM\S\DATA\100306\S7103.D Operator: LH Acq On : 3 Oct 2006 11:06

Inst : HP5973S : VSTD025 Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P Results File: A6I0001998 E1.RES Quant Time: Oct 03 13:15:52 2006

Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update : Tue Oct 03 13:09:53 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\100306\S7103.D (3 Oct 2006 11:06)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Rcv(
39) C130 Bromodichloromethane	5.51	83	200750	128.11 ng		96
40) C161 2-Chloroethylvinyl E	5.73	63	457732	668.72 ng		96
41) C012 Methylcycolhexane	5.30	83	324296	120.04 ng		90
42) C145 cis-1,3-Dichloroprop	5.84	75	269931	127.04 ng		80
45) C230 Toluene	6.10	92	468742	122.32 ng		92
46) C170 trans-1,3-Dichloropr	6.26	75	234102	127.50 ng		94
47) C284 Ethyl Methacrylate	6.33	69	212297	128.18 ng	#	71
48) C160 1,1,2-Trichloroethan	6.40	83	112727	123.73 ng		96
49) C210 4-Methyl-2-pentanone	5.95	43	779366	627.71 ng	#	88
50) C220 Tetrachloroethene	6.52	166	177550	124.19 ng		94
51) C221 1,3-Dichloropropane	6.52	76	255000	124.26 ng		86
52) C155 Dibromochloromethane	6.70	129	137171	128.31 ng		92
53) C163 1,2-Dibromoethane	6.78	107	137114	124.26 ng	÷ .	99
54) C215 2-Hexanone	6.58	43	548949	641.06 ng	# .	86.
55) C235 Chlorobenzene	7.17	112	495316	124.00 ng		98
56) C281 1,1,1,2-Tetrachloroe	7.23	131	155829	127.62 ng		97
57) C240 Ethylbenzene	7.27	91	891815	124.40 ng		100
58) C246 m,p-Xylene	7.36	106	705865	252.64 ng		98
59) C247 o-Xylene	7.67	106	338975	125.67 ng		95
60) C245 Styrene	7.67	104	583345	126.06 ng		98
63) C180 Bromoform	7.81	173	80893	130.89 ng		95
64) C966 Isopropylbenzene	7.96	105	899610	123.17 ng		97
65) C301 Bromobenzene	8.20	156	198017	123.31 ng	#,	73
66) C225 1,1,2,2-Tetrachloroe	8.18	83	171811	125.05 ng		97 100
67) C282 1,2,3-Trichloropropa	8.22		55343	126.41 ng		100
68) C283 t-1,4-Dichloro-2-But	8.23		297567	632.28 ng		95
69) C302 n-Propylbenzene	8.29		1066077	122.69 ng		100
70) C303 2-Chlorotoluene	8.36		205417	123.63 ng		100 100
71) C289 4-Chlorotoluene	8.45		211222	124.68 ng		99
72) C304 1,3,5-Trimethylbenze	8.43		744231	123.90 ng		100
73) C306 tert-Butylbenzene	8.70		164982	120.43 ng 124.33 ng		99
74) C307 1,2,4-Trimethylbenze	8.74		742531			99
75) C308 sec-Butylbenzene	8.88		925313 383576	120.77 ng 122.28 ng		98
76) C260 1,3-Dichlorobenzene	8.97		823167	122.28 ng 121.71 ng		98
77) C309 4-Isopropyltoluene	9.00		380072	121.71 ng		96
78) C267 1,4-Dichlorobenzene	9.04		349891	123.15 ng		98
79) C249 1,2-Dichlorobenzene	9.35		715813	123.13 ng		99
80) C310 n-Butylbenzene	9.33		25503	137.90 ng		96
81) C286 1,2-Dibromo-3-Chloro			181854	126.09 ng		99
82) C313 1,2,4-Trichlorobenze	10.67		92407	108.29 ng		100
83) C316 Hexachlorobutadiene	10.82		381705	131.68 ng		100
84) C314 Naphthalene	11.07		156479	122.65 ng		97
85) C934 1,2,3-Trichlorobenze						

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

191/246

Quantitation Report STL Buffalo

(Not Reviewed)

Data File : D:\MSDCHEM\S\DATA\100306\S7102.D

3 Oct 2006 10:41 Acq On

VSTD050 Sample

Misc

Operator: LH : HP5973S Inst Multiplr: 1.00

Vial: 3

MS Integration Params: RTEINT.P

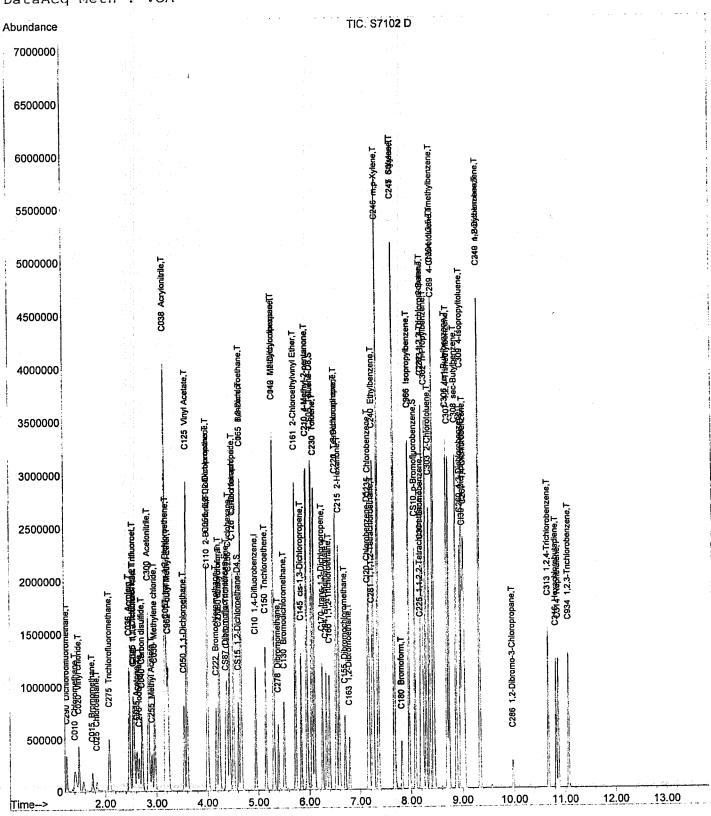
Results File: A6I0001998 E1.RES Quant Time: Oct 03 13:15:47 2006 Results File: A61000199 Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

8260 5ML WATER Title

: Tue Oct 03 13:09:53 2006 Last Update

Response via : Initial Calibration

DataAcq Meth : VOA



Vial: 3

Data File : D:\MSDCHEM\S\DATA\100306\S7102.D

Acq On : 3 Oct 2006 10:41

Operator: LH : HP5973S Inst : VSTD050 Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Results File: A6I0001998_E1.RES Quant Time: Oct 03 13:15:47 2006

Quant Method : D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update : Tue Oct 03 13:09:53 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\100306\S7103.D (3 Oct 2006 11:06)

nternal	Standards 1,4-Difluorobenzene Chlorobenzene-D5 1,4-Dichlorobenzene-	R.T.	QIon	Response	Conc Un	its	Dev(M Rcv(A	in) r)
1) CI10	1,4-Difluorobenzene	4.95	114	710140	125.00	ng	0	.00
3) CI20	Chlorobenzene-D5	7.16	117	695048	125.00	ng	0	.00
			160	250212	125 00	24	103.	26% იი
2) CI30	1,4-Dichloropenzene-	9.02	152	350212	125.00	119	102.	69%
0) CS87	Dibromofluoromethane mount 125.000 Range 1,2-Dichloroethane-D	4.36	111 - 130	34/538 Recove	241.34 arv =	ng 193	. 238#	.00
Spiked A	mount 125.000 Nam	4.61	65	411654	237.96	ng	0	.00
Sniked A	1,2-Dichloroethane-D mount 125.000 Rand Toluene-D8 mount 125.000 Rand p-Bromofluorobenzene	ae 73	- 136	Recove	erv =	190	.37%#	
301 CS 05	Toluene-D8	6.05	98	1595676	240.17	ng	0	.00
Spiked A	mount 125.000 Ran	ge 77	- 122	Recove	ery =	192	.14%#	
(1) CS10	p-Bromofluorobenzene	8.08	174	492236	244.60	ng	, O	.00
Spiked A	mount 125.000 Randomounts Dichlorodifluorometh Chloromethane Vinyl chloride Bromomethane Chloroethane Trichlorofluorometha 1,1-Dichloroethene Methylene chloride Carbon disulfide Acrolein Acrylonitrile Acetone Acetonitrile Iodomethane 1,1,2 Trichloro-1,2, T-butyl Methyl Ether trans-1,2-Dichloroet Methyl Acetate 1,1-Dichloroethane Vinyl Acetate 2,2-Dichloropropane cis-1,2-Dichloroethe Totrabudrofuran	ge 74	- 120	Recove	ery =	195	.68%#	
arget Co	mpounds						Qval	ue
2) C290	Dichlorodifluorometh	1.25	85	254855	251.48	ng		100
3) C010	Chloromethane	1.41	50	384188	219.14	ng		96
4) C020	Vinyl chloride	1.49	62	372568	241.35	ng		9/
5) C015	Bromomethane	1.75	94	935/8	210.//	ng		100
6) C025	Chloroethane	1.83	64	58875	249.40	ng		9/
7) C275	Trichlorofluorometna	2.08	101	395819	250.04	ng		an an
8) C045	1,1-Dichloroethene	2.54	96	235257	230.34	ng	#	90 97
9) C030	Methylene chloride	2.96	84	338379	245 36 711.20	ng	11	98
.0) C040	Carbon disulfide	2.12	/ to	044205 00251 <i>1</i>	4922 13	na		99
.1) CU36	Acrolein	2.4/	55	202014	4022.10	מת ייי		96
.2) CU38	Acrylonitrile	2.10	43	424734	1117.07	na		89
13) 0035	Acetone	2.02	41	1792541	9510.64	na 		99
14) C300	ACECONICITIE	2.67	142	360824	247.87	ng		95
15) 02/0	1 1 2 Trichloro-1.2.	2.56	101	227432	249.03	ng		96
17) 0962	T-butyl Methyl Ether	3.23	73	870417	246.86	ng	#	87
18) C057	trans-1.2-Dichloroet	3.20	96	332376	247.19	ng		91
19) C255	Methvl Acetate	2.91	43	362601	232.24	ng		94
20) C050	1.1-Dichloroethane	3.54	63	667554	250.43	ng		97
21) C125	Vinyl Acetate	3.60	43	3296872	1326.77	ng		98
22) C051	2,2-Dichloropropane	3.99	77	474564	264.21	ng		96
23) C056	cis-1,2-Dichloroethe	3.99	96	364142	248.51	ng	#	88
24) (2/2	rectanydrordran					_	#	
25) C222	Bromochloromethane	4.17		161820	246.49			94
26) C060	Chloroform	4.24		562816	249.31			97 96
27) C115	1,1,1-Trichloroethan	4.38		495178	257.58			96
28) C120	Carbon tetrachloride	4.52		415783	265.07			98
29) C116	1,1-Dichloropropene	4.51		474312 1466027	252.91 249.51			100
32) C165	Benzene	4.66 4.66		446542	250.56			92
33) C065	1,2-Dichloroethane	4.00		767969	1252.22			96
34) C110 35) C256	2-Butanone Cyclohexane	4.43		752817	248.89		#	85
36) C150	Trichloroethene	5.14		350060	254.10			96
30/ 0100	1,2-Dichloropropane				249.13			95
37) C140	- Pananintopropane -							

STL Buffalo (Not Reviewed)

Data File : D:\MSDCHEM\S\DATA\100306\S7102.D

Vial: 3 Operator: LH

Acq On : 3 Oct 2006 10:41 Sample : VSTD050 Inst : HP5973S Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P Results File: A6I0001998 E1.RES Quant Time: Oct 03 13:15:47 2006

Quant Method: D:\MSDCHEM\S...\A610001998 E1.M (RTE Integrator)

Title : 8260 5ML WATER

Last Update : Tue Oct 03 13:09:53 2006

Response via: Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\100306\S7103.D (3 Oct 2006 11:06)

Inte	ernal	Standards	R.T.	QIon	Response	Conc Units		(Min) (Ar)
39)	C130	Bromodichloromethane	5.51	83	423650	262.99 ng		96
	C161	2-Chloroethylvinyl E	5.73	63	974827	1385.37 ng		96
41)	C012	Methylcycolhexane	5.30	83	674297	242.80 ng		90
42)	C145	cis-1,3-Dichloroprop	5.84	75	569457	260.71 ng		81
	C230	Toluene	6.10	92	963865	243.57 ng		94
46)	C170	trans-1,3-Dichloropr	6.26	75	499431	263.40 ng		96
47)	C284	Ethyl Methacrylate	6.33	69	453073	264.90 ng	#	70
48)	C160	1,1,2-Trichloroethan	6.40	83	236470	251.35 ng		98
49)	C210	4-Methyl-2-pentanone	5.96	43	1583882	1235.34 ng	#	87
50)	C220	Tetrachloroethene	6.52	166	369654	250.38 ng		94
51)	C221	1,3-Dichloropropane	6.52	76	525521	247.99 ng		86
	C155	Dibromochloromethane	6.70	129	296756	268.81 ng		94
53)	C163	1,2-Dibromoethane	6.78	107	287624	252.41 ng		99
54)	C215	2-Hexanone	6.58	43	1119865	1266.43 ng	#	86
55)	C235	Chlorobenzene	7.17	112	1024271	248.31 ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.23	131	329403	261.25 ng		98
57)	C240	Ethylbenzene	7.27	91	1843142	248.98 ng		100
58)	C246	m,p-Xylene	7.36	106	1425378	494.03 ng		97
	C247	o-Xylene	7.67	106	693250	248.89 ng		95
	C245	Styrene	7.67	104	1190704	249.18 ng		96
63)	C180	Bromoform	7.81		177632	279.89 ng		93
	C966	Isopropylbenzene	7.96		1858279	247.76 ng		98
65)	C301	Bromobenzene	8.20		405577	245.96 ng	#	72
	C225		8.18		354823	251.49 ng		97
67)	C282	1,2,3-Trichloropropa	8.22		110680	246.19 ng		100
	C283		8.23		618892	1280.63 ng		91
69)	C302	The state of the s	8.29		2214447	248.18 ng		99
70)	C302		8.36		426651	250.06 ng		100
71)	C289		8.45		429701	247.00 ng		100
72)	C304		8.43		1521041	246.60 ng		100
	C304		8.70		340991	242.40 ng		100
74)	C307		8.74		1513848	246.84 ng		100
	C308		8.88		1911306	242.93 ng		98
	C260		8.97		793964	246.49 ng		98
77)	C309		9.00		1694564	243.99 ng		98
	C267		9.04		789388	244.13 ng		97
	C249		9.34		712202	244.12 ng		96
	C310		9.33		1465520	246.43 ng		99
	C286		9.97		55600	292.77 ng		97
			10.67		384540	259.66 ng		97
	C313		10.82		185013	211.14 ng		98
			10.87		826710	277.74 ng		100
84)	C934		11.07		326678	249.36 ng		99
03)	C934							

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

THE RESERVE STORMS OF STREET

D:\MSDCHEM\S\DATA\100306\S7101.D

Vial: 2 Operator: LH 3 Oct 2006 10:17 Acq On

VSTD100 Sample Misc

: HP5973S Inst Multiplr: 1.00

MS Integration Params: RTEINT.P

Results File: A6I0001998_E1.RES Quant Time: Oct 03 13:15:41 2006

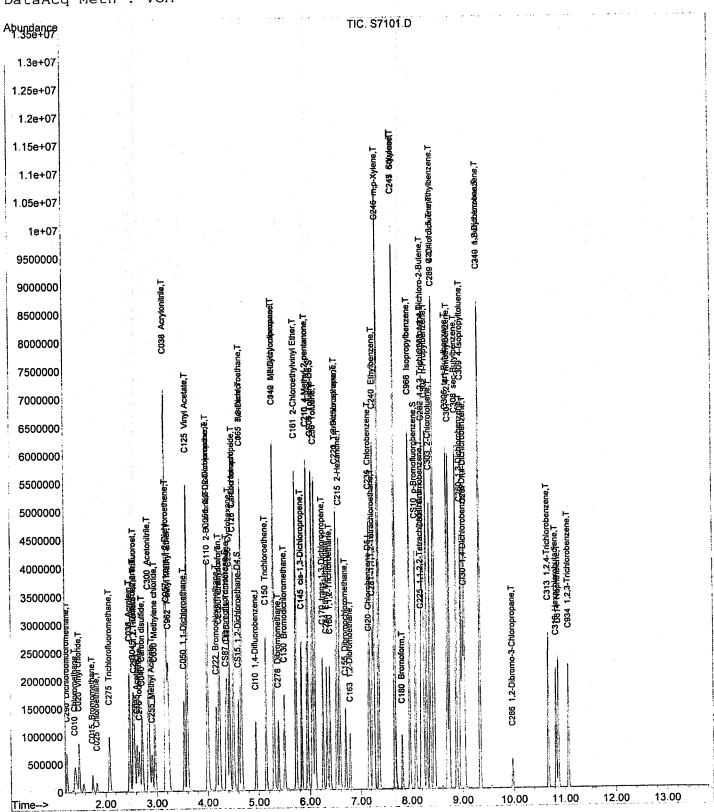
Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

WATER 5ML Title 8260

Tue Oct 03 13:09:53 2006 Last Update :

Response via: Initial Calibration

DataAcq Meth : VOA



Vial: 2 Data File : D:\MSDCHEM\S\DATA\100306\S7101.D

Operator: LH Inst : HP5973S Acq On : 3 Oct 2006 10:17 Sample : VSTD100 Multiplr: 1.00 Misc

Results File: A6I0001998_E1.RES Quant Time: Oct 03 13:15:41 2006

Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

Title : 8260 5ML WATER

MS Integration Params: RTEINT.P

Last Update : Tue Oct 03 13:09:53 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\100306\S7103.D (3 Oct 2006 11:06)

Inter	nal S	Standards	R.T.	QIon	Response	Conc U	nits	Dev(Min) Rcv(Ar)	
1) C	 CI10	a allestes and a contract and a second	4 0 5	11/	751678	125 00	na	0.00	
•		Chlorobenzene-D5 1,4-Dichlorobenzene-				105 00		109.25%	
43) C	CI20	Chlorobenzene-D5	7.16	117	732627	125.00	ng	100 05%	
				150	265074	125 00	na	0.00	
62) C	CI30	1,4-Dichlorobenzene-	9.02	152	363074	123.00	ng	107.04%	
								10,,010	
Syste	am Moi	nitoring Compounds							
			4.36	111	670796	438.69	ng	0.00	
Spik	ced Ar	nount 125.000 Ran	ge 70	- 130	Recove	ery =	350	.95%#	
31) C	CS15	1,2-Dichloroethane-D	4.61	65	807721	439.35	ng	0.00	
Spik	ked Ai	mount 125.000 Ran	ge 73	- 136	Recove	ery =	351	.48%#	
44) C	S05	Toluene-D8	6.05	98	3011707	430.06	ng	0.00	
Spik	ked A	nount 125.000 Ran 1,2-Dichloroethane-D mount 125.000 Ran Toluene-D8 mount 125.000 Ran	ge 77	- 122	Recov	ery =	344	#\$CU.	
Spik	ked A	mount 125.000 Ran	ge 74	- 120	Kecov	ery =	543	・ソンでサ	
							J	Qvalue	
rarge	et Col	mpounds Dighlorodifluorometh	. 1 25	85	500786	465.00	ng	100	
3) (-010	mpounds Dichlorodifluorometh Chloromethane Vinyl chloride Bromomethane Chloroethane Trichlorofluorometha 1,1-Dichloroethene Methylene chloride Carbon disulfide Acrolein Acrylonitrile Acetone Acetonitrile	1.41	50	797736	428.16	ng	100 96	
3) (-U2U	Vinul chloride	1.49	62	751049	457.82	ng	97	
51 (2020 2015	Bromomethane	1.75	94	162422	344.24	ng	99	
6) (2013 2025	Chloroethane	1.83	64	112078	446.90	ng	98	
7) (2023	Trichlorofluorometha	2.08	101	778602	468.92	ng	99	
8) (C045	1.1-Dichloroethene	2.54	96	470787	471.78	ng	90	
9) (030	Methylene chloride	2.96	84	665687	390.83	ng	# 86	
10)	C040	Carbon disulfide	2.72	7:6	1673107	457.54	ng	98	
11)	C036	Acrolein	2.47	56	1825853	8432.34	ng	99	
12)	C038	Acrylonitrile	3.18	53	4984256	8251.58	ng	96	
13) (C035	Acetone	2.62	43	925151	2289.59	ng	# 87	_
14) (C300	Acrylonitrile Acetone Acetonitrile Iodomethane 1,1,2 Trichloro-1,2, T-butyl Methyl Ether trans-1,2-Dichloroet Methyl Acetate 1,1-Dichloroethane Vinyl Acetate 2,2-Dichloropropane cis-1,2-Dichloroethe	2.84	41	3410060	17024.9	1 ng	99	9
15) (C276	Iodomethane	2.67	142	780555	504.56	ng	96	
16) (C291	1,1,2 Trichloro-1,2,	2.57	101	485533	500.26	ng	# 96	
17) (C962	T-butyl Methyl Ether	3.23	73	1/08360	455.92	ng	# 55	
18) (C057	trans-1,2-Dichloroet	3.20	96	64/291	452.99	ng na	91	
19) (C255	Methyl Acetate	2.91	4.3	689//0	410./1	119	07	
20) (C050	1,1-Dichloroethane	3.54	ნ.პ 4:⊃	1313371	2390 51	na	99	
21) (C125	Vinyl Acetate	3.60	43	0512007	498 50	ו חמ	95	
22) (C051	2,2-Dichloropropane	3.99	0.6	710262	456.11	na	91	
,			3.99 4.22		948182	2165.80) na	# 91	
	C272	Tetrahydrofuran	4.22		320286	459.09		96	
	C222	Bromochloromethane	4.18		1119359	466.59		97	
	C060	Chloroform 1,1,1-Trichloroethan	4.24		981140	480.24		96	
	C115 C120	Carbon tetrachloride	4.52		828284	496.88		96	
	C120	1,1-Dichloropropene	4.51		927326	465.28	ng	98	
	C116	Benzene	4.66		2843261	455.34		100	
33) (1,2-Dichloroethane	4.66		871702	460.26	ng	93	
	C110	2-Butanone	4.01		1452443	2228.53	ng ng	97	
35)		Cyclohexane	4.43		1476532	459.35		# 85	
		Trichloroethene	5.14		692701	473.14		96	
36) (
36) (37) (C140	1,2-Dichloropropane	5.39		757092 360053	452.57 469.34		. 95 90	

Vial: 2 Data File : D:\MSDCHEM\S\DATA\100306\S7101.D

Operator: LH Acq On : 3 Oct 2006 10:17 : HP5973S Inst : VSTD100 Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P Results File: A6I0001998 E1.RES Quant Time: Oct 03 13:15:41 2006

Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update : Tue Oct 03 13:09:53 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\100306\S7103.D (3 Oct 2006 11:06)

Inte	ernal	Standards	R.T.	QIon	Response	Conc Units	Dev()	
			5.51	83	860302	502.53 ng		97
	C130	Bromodichloromethane	5.73	6 3	1905584	2548.28 ng		95
	C161	2-Chloroethylvinyl E	5.30	8 3	1275286	432.10 ng		91
	C012	Methylcycolhexane	5.84	7 5	1149322	495.14 ng		80
	C145	cis-1,3-Dichloroprop	6.10	92	1905887	456.92 ng		92
-	C230	Toluene	6.26	75	1012451	506.58 ng		96
	C170	trans-1,3-Dichloropr	6.33	69	903652	501.24 ng	#	70
,	C284	Ethyl Methacrylate	6.40	83	465971	469.88 ng		97
	C160	1,1,2-Trichloroethan	5.96	43	3000923	2220.50 ng	#	86
•	C210	4-Methyl-2-pentanone	6.52	166	711573	457.26 ng	**	92
	C220	Tetrachloroethene	6.52	76	1024537	458.67 ng		85
51)	C221	1,3-Dichloropropane	6.70		612316	526.21 ng	'	96
52)	C155	Dibromochloromethane	6.79		571730	476.00 ng		98
	C163	1,2-Dibromoethane	6.58		2152925	2309.81 ng	#	8.4
-	C215	2-Hexanone	_		2022625	465.19 ng		97
55)	C235	Chlorobenzene	7.17		661698	497.87 ng	:	98
56)	C281	1,1,1,2-Tetrachloroe	7.24		3631437	465.39 ng		100
	C240	Ethylbenzene	7.27		2717151	893.44 ng		96
58)	C246	m,p-Xylene	7.36		1322507	450.45 ng		97
	C247	o-Xylene	7.67			452.74 ng		99
	C245	Styrene	7.68		2280423 373735	564.92 ng		93
	C180	Bromoform	7.81		3629173	464.18 ng		99
	C966		7.97		796775	463.53 ng	#	75
	C301	Bromobenzene	8.20			477.96 ng	π	98
66)	C225	1,1,2,2-Tetrachloroe	8.18		702969	462.09 ng		100
67)	C282	1,2,3-Trichloropropa	8.22		216557	2359.24 ng		8.8
	C283		8.23		1188536	461.39 ng		98
	C302	n-Propylbenzene	8.29		4291550	465.44 ng		100
	C303		8.37		827813	452.00 ng		100
	C289		8.45		819706	450.68 ng		100
	C304		8.44		2897774	430.00 ng		100
	C306		8.70		649760	461.35 ng		98
	C307		8.74		2949490	438.10 ng		98
75)	C308		8.88		3593185	-		98
	C260		8.97		1559487	464.43 ng		98
77)	C309	4-Isopropyltoluene	9.00		3185931	440.04 ng		97
78)	C267		9.04		1534549	455.26 ng		98
	C249		9.35		1350533	444.08 ng		99
	C310		9.33		2704491	436.25 ng		99
	C286		9.97		110652	558.93 ng		96
	C313		10.67		725407	469.88 ng		
83)	C316		10.82		326681	357.63 ng		98 100
84)	C314	Naphthalene	10.87		1543488	497.44 ng		98
85)	C934	1,2,3-Trichlorobenze	11.07	180	569249	416.84 ng		70

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Vial: 9

Data File : D:\MSDChem\S\Data\100306\S7108.D

3 Oct 2006 13:26 Acq On

Operator: LH : HP5973S Inst MSB/SSCAL Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Results File: A6I0001998_E1.RES Quant Time: Oct 03 14:31:56 2006

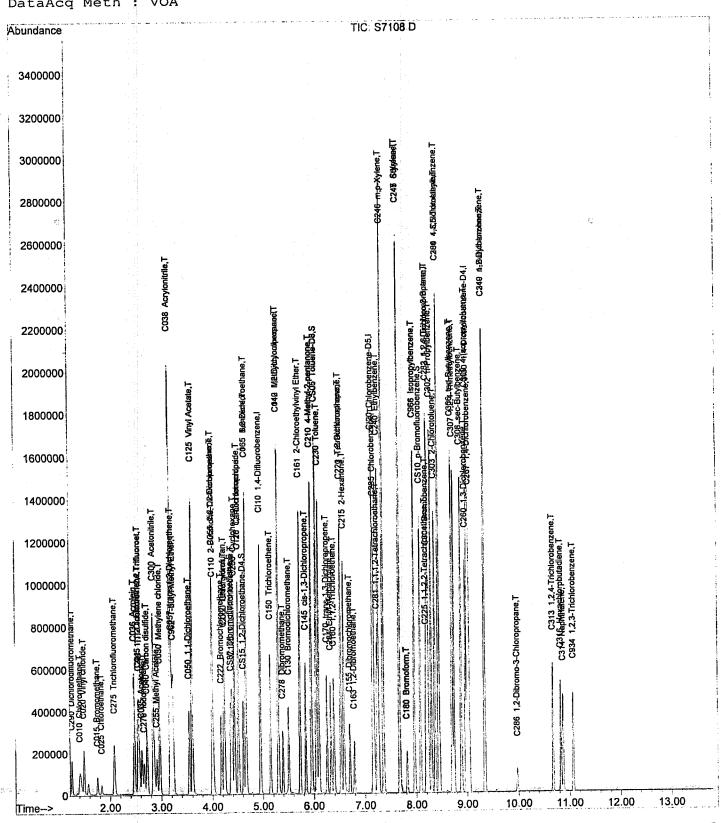
Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

: 8260 5ML WATER Title

: Tue Oct 03 13:22:59 2006 Last Update

Response via : Initial Calibration

DataAcq Meth : VOA



Multiplr: 1.00

Data File : D:\MSDChem\S\Data\100306\S7108.D

Vial: 9 Acq On : 3 Oct 2006 13:26 Operator: LH Inst : HP5973S

: MSB/SSCAL : Sample Misc

MS Integration Params: RTEINT.P Results File: A6I0001998_E1.RES Quant Time: Oct 03 14:31:56 2006

Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)
Title: 8260 5ML WATER
Last Update: Tue Oct 03 13:22:59 2006
Response via: Initial Calibration
DataAcq Meth: VOA
IS QA File: D:\MSDCHEM\S\DATA\100306\S7103.D (3 Oct 2006 11:06)

IS QA F	ile	: D:\MSDCHEM\S\DATA\1	.00306	5\S710:	3.D (3 Oct	2006	11:0	6)	
Interna	al St	andards	R.T.	QIon	Response	Conc U	nits	Dev(Rcv(Min) Ar)
1) CI	10 1	,4-Difluorobenzene	4.95	114	715968	125.00	ng		0.00 .65%
43) CI	20 C	hlorobenzene-D5	7.15	117	697000	125.00	ng		0.00 .55%
62) CI	30 1	,4-Dichlorobenzene-	9.02	152	349950	125.00	ng		0.00 .61%
System	Moni 87 D	toring Compounds ibromofluoromethane	4.36	111	178121	122.79			0.00
Spike	d Amo	unt 125.000 Range	e 70	- 130	Recove			.23%	
311 09	15 1	2-Dichloroethane-D	4.61	65	215841	123.75	ng	0.00	0.00
Snika	d Amo	unt 125.000 Range	e 73	- 136	Recove			.00%	0.00
111 00	<u> ሰ</u> ፍ ጥ	oluene-D8	6.05	98	84//58		ng	.79%	0.00
Spike	d Amo	nint 125.000 Range	e //	- 122	Necovo	ery = 137.87		. 196	0.00
61) CS	10 r	-Bromofluorobenzene	8.08	1/4	2/8241		119	.30%	0.00
Spike	d Amo	ount 125.000 Range	e /4	- 120	Recove	ry –	110	. 500	
Target	Comp	oounds						Qva	alue
2) C2	90 [ichlorodifluorometh	1.25	85	122498				99
3) C0	10 0	Chloromethane	1.41	50	197245				97
4) 00	20 V	invl chloride	1.49	62	186804	120.03	ng		97
5) C0	15 E	Bromomethane Chloroethane	1.75	94	43597		ng		97
6) CO	25 0	Chloroethane	1.83	64	29703	124.84	ng	1	97
71 (2	75 7	richlorofluorometha	2.08	TOT	192485	122.19	ng		100 87
8) C0	45 1	,1-Dichloroethene	2.54	96	115381				84
9) C0	30 M	,1-Dichloroethene Methylene chloride	2.96	84	172749 403014	106.90			99
10) CO	40 C	arbon disulfide	2.12	. / 0			ng ng		99
11) CO	36 <i>F</i>	Acrolein Acrylonitrile	2.47	96	474469 1357596	2369.06			96
.12) CO	38 <i>I</i>	Acrylonitrile	3.17		225711				89
13) CO	35 I	Acetone	2.62		887469	4670.29			99
14) C3	00 Z	Acetonitrile	2.84		168024				95
15) C2				101					95
16) C2	91	1,1,2 Trichloro-1,2, T-butyl Methyl Ether	2.30	73	420789				87
17) C9	62 :	T-butyl Methyl Ether trans-1,2-Dichloroet	3 20	96					90
18) CC		Methyl Acetate	2 91	43			5 ng		94
19) C2 20) C0	(55)	Methyl Acetate	3.54	63					98
20) CC 21) C1) 3 U .	l,1-Dichloroethane Vinyl Acetate	3.60		1560932	623.08	3 ng		97
21) C1		2,2-Dichloropropane	3.99		225908	124.7	5 ng		95
23) CC		cis-1,2-Dichloroethe	3.99		179585	121.5	5 ng	#	88
	730 (Tetrahydrofuran	4.22		244449	588.5			94
	222 1	Bromochloromethane	4.18		78849	119.1			92
•		Chloroform	4.24	83	277831	122.0			96
	15	1,1,1-Trichloroethan	4.38	97	238558	123.0			97
	120	Carbon tetrachloride	4.52		199010	125.8			95
29) C1		1,1-Dichloropropene	4.51		235519	124.5			99
	165	Benzene	4.66		720716	121.6			100 93
33) C		1,2-Dichloroethane	4.66		221982	123.5			95
		2-Butanone	4.01		376798 360473	609.3 121.1		#	86
35) C2		Cyclohexane	4.43		369473 172602	124.2		11	95
36) C		Trichloroethene	5.14					i Maring debi	96
37) C		1,2-Dichloropropane	5.30 5.39		86859	119.3		energy (Fig.)	94
38) C2	278	Dibromomethane	J.J:	, , ,	5 5 5 5		, ,		
								D -	1

Vial: 9 Data File : D:\MSDChem\S\Data\100306\S7108.D Operator: LH Acq On : 3 Oct 2006 13:26

Inst : HP5973S : MSB/SSCAL Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P Results File: A6I0001998_E1.RES Quant Time: Oct 03 14:31:56 2006

Quant Method: D:\MSDCHEM\S...\A610001998_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update : Tue Oct 03 13:22:59 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDCHEM\S\DATA\100306\S7103.D (3 Oct 2006 11:06)

Inte	ernal	Standards	R.T.	QIon	Response	Conc Units		(Min) (Ar)
201	C130	Bromodichloromethane	5.51	83	200579	123.50 ng		96
	C161	2-Chloroethylvinyl E	5.73	63	454345	640.43 ng		96
	C012	Methylcycolhexane	5.30	83	323417	115.51 ng		90
	C145	cis-1,3-Dichloroprop	5.84	7 5	272018	123.52 ng		80
		Toluene	6.10	92	477252	120.27 ng		92
	C230 C170	trans-1,3-Dichloropr	6.26	75	234911	123.55 ng		97
		Ethyl Methacrylate	6.33	69	211169	123.12 ng	#	71
47)	C284 C160	1,1,2-Trichloroethan	6.40	83	115134	122.04 ng		97
		4-Methyl-2-pentanone	5.95	43	780427	606.99 ng	#	88
	C210	Tetrachloroethene	6.52	166	180556	121.96 ng		93
	C220	1,3-Dichloropropane	6.52	76	260287	122.48 ng		85
51)	C221	Dibromochloromethane	6.70		137666	124.35 ng		92
52)	C155	1,2-Dibromoethane	6.78		138313	121.04 ng		98
53)	C163	2-Hexanone	6.58		542526	611.81 ng	#	87
54)	C215 C235	Chlorobenzene	7.17		504492	121.96 ng		99
55)	C235	1,1,1,2-Tetrachloroe	7.24		157456	124.53 ng		98
56)	C240	Ethylbenzene	7.27		911470	122.78 ng		100
57)			7.36		718017	248.16 ng		99
5.8)	C246	m,p-Xylene	7.67		343543	122.99 ng		94
59)	C247	o-Xylene	7.67		589776	123.08 ng		97
	C245	Styrene	7.82		78299	123.47 ng		91
63)	C180	Bromoform Isopropylbenzene	7.02		906913	121.01 ng		98
-	C966	Bromobenzene	8.20		198902	120.71 ng	#	72
65)			8.18		170639	121.04 ng		97
	C225 C282		8.22		54304	120.88 ng		100
	C282		8.23		293245	607.25 ng		96
			8.29		1072872	120.33 ng		100
	C302		8.36		207542	121.73 ng		100
70)			8.45		210221	120.93 ng		100
71) 72)	C289		8.43		737254	119.62 ng		100
-	C304		8.70		163547	116.35 ng		100
	C300		8.74		740834	120.89 ng		99
	C307		8.88		900021	114.48 ng		99
	C260		8.97		380438	118.20 ng	¥	98
-			9.00		795978	114.69 ng		99
77)		그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	9.04		379492	117.45 ng		97
	C267 C249		9.34		347763	119.29 ng		96
	C249	• * *	9.33		679067	114.27 ng		98
			9.97		23237	122.45 ng		97
	C286		10.67		156121	105.50 ng		96
	C316		10.82		79052	90.28 ng		98
			10.87		307653	103.44 ng		100
84)	C934		11.07		119416	91.22 ng		100

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

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METHOD 8260 - AQUEOUS (30% RSD/ 20% D) CONTINUING CALIBRATION CHECK

Lab Name: <u>STL Buffalo</u> Contract: _____ Lab Samp ID: <u>A6C0006410-1</u>

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No: ____

Lab File Id: <u>S7496.RR</u> Calibration Date: <u>10/11/2006</u> Time: <u>09:36</u>

Heated Purge (Y/N): N Init. Calib. Times: 10:17 11:55

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)

Olditi: <u>DB-624</u> ID: <u>0.18</u> (titil)					
	AVG		MIN		MAX
COMPOUND	RRF	RRF25	RRF	% D	% D
Chloromethane	0.3090	0.3393	0.1000	-9.800	100.00
Bromomethane	0.0780				
Vinyl chloride	0.2720	1	0.0100		
Chloroethane	0.0420		0.0100		100.00
Methylene chloride	0.2820		0.0100		
Acetone	0.0670		0.0100		100.00
Carbon Disulfide	0.6060		0.0100		100.00
1,1-Dichloroethene	0.1650		0.0100		20.00
1,1-Dichloroethane	0.4690		0.1000		
cis-1,2-Dichloroethene	0.2580		0.0100	•	100.00
	0.2370		0.0100		
trans-1,2-Dichloroethene		1		3	
Chloroform	0.3970			-16.200	
1,2-Dichloroethane	0.3140				
2-Butanone	0.1080			-20.600	
1,1,1-Trichloroethane	0.3380		0.0100		
Carbon Tetrachloride	0.2760			-12.400	
Bromodichloromethane	0.2840			-10.400	
1,2-Dichloropropane	0.2770	ľ		-11.700	
cis-1,3-Dichloropropene	0.3840	2	0.0100		100.00
Trichloroethene	0.2430		0.0100		100.00
Dibromochloromethane	0.1990		0.0100		100.00
1,1,2-Trichloroethane	0.1690		0.0100		100.00
Benzene	1.0340		0.0100		
trans-1,3-Dichloropropene	0.3410		0.0100		
Bromoform	0.2270		0.1000	6.500	1
4-Methyl-2-pentanone	0.2310		0.0100		
2-Hexanone	0.1590		0.0100		100.00
Tetrachloroethene	0.2660	0.2561	0.0100		100.00
1,1,2,2-Tetrachloroethane	0.5040		0.3000		100.00
Toluene	0.7120	1	0.0100		20.00
Chlorobenzene	0.7420	1	0.3000		100.00
Ethylbenzene	1.3310		0.0100	0.700	20.00
Styrene	0.8590	0.8504	0.0100		100.00
Total Xylenes	0.5010	0.4996	0.0100	0.300	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.1610	0.1705	0.0100	-5.900	
1,2,4-Trichlorobenzene	0.5290	0.4694	0.0100	11.300	
1,2-Dibromo-3-chloropropane	0.0680	0.0684	0.0100	-0.600	
1,2-Dibromoethane	0.2050	0.2051	0.0100	0.000	
1,2-Dichlorobenzene	1.0410	0.9880	0.0100	5.100	100.00
	1 7.			,	
	L	<u> </u>	L	L	l

METHOD 8260 - AQUEOUS (30% RSD/ 20% D) CONTINUING CALIBRATION CHECK

Lab Name: STL Buffalo Contract: Lab Samp ID: A6C0006410-1

Lab Code: RECNY Case No.: ____ SAS No.: ____ SDG No: ____

Lab File Id: <u>S7496.RR</u> Calibration Date: <u>10/11/2006</u> Time: <u>09:36</u>

Heated Purge (Y/N): N Init. Calib. Times: 10:17 11:55

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)

COMPOUND	AVG RRF	RRF25	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene 1,4-Dichlorobenzene Cyclohexane Dichlorodifluoromethane Methyl acetate Trichlorofluoromethane Methyl-t-Butyl Ether (MTBE) Isopropylbenzene Methylcyclohexane	1.1500 1.1540 0.5320 0.1780 0.2750 0.2750 0.6210 2.6770 0.4890	0.3102 0.6364 2.5799	0.0100 0.0100	8.000 -13.800 1.300 -22.500 -12.800 -2.500 3.600	100.00 100.00 100.00 100.00
Toluene-D8 p-Bromofluorobenzene 1,2-Dichloroethane-D4	 1.1950 0.3620 0.3050			-23.400	

(Not Reviewed) 202/246STL Buffalo Quantitation Report

Data File: D:\MSDChem\S\Data\101106\S7496.D

Vial: 2 Operator: LH 11 Oct 2006 Acq On : 9:36

: HP5973S VSTD025 Inst Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Results File: A6I0001...0_E1.RES Quant Time: Oct 11 10:59:35 2006

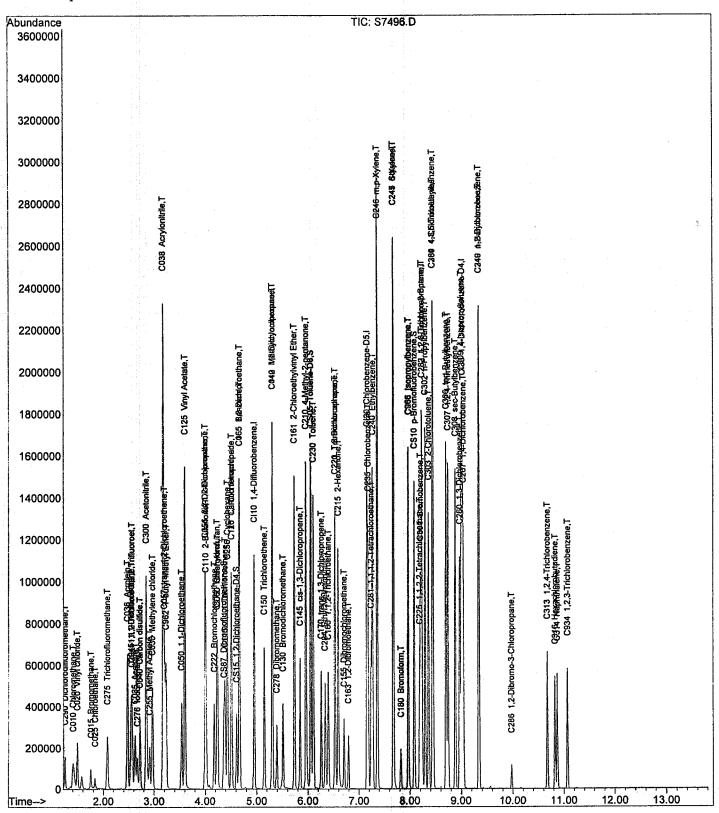
Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

WATER Title 5ML 8260

: Wed Oct 11 09:35:03 2006 Last Update

Response via : Initial Calibration

DataAcq Meth : VOA



Quantitation Report STL Buffalo (Not Reviewed) 203/246

Vial: 2

Data File : D:\MSDChem\S\Data\101106\S7496.D

Acq On : 11 Oct 2006 9:36

Operator: LH : VSTD025 Inst : HP5973S Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 10:59:35 2006 Results File: A6I0001...0_E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update: Wed Oct 11 09:35:03 2006
Response via: Initial Calibration
DataAcq Meth: VOA

IS QA File : D:\MSDCHEM\S\DATA\101006\S7469.D (10 Oct 2006 21:40)

12 OH LITE	. D. MODCHEM O OATA	(10100	0 (5/40.	J. D (10 00	2000		,	
Internal	Standards				Conc Ur		Dev (Mi Rcv (Ar	:)
1) CI10	1,4-Difluorobenzene					ng	0.	00
43) CI20	Chlorobenzene-D5	7.16	117	681213	125.00	ng	0. 91.5	00 58%
62) CI30	1,4-Dichlorobenzene-	9.02	15 2	347221	125.00	ng	0. 91.5	.00
Great and Ma	nitaring Compounds							
30) CS87	nitoring Compounds Dibromofluoromethane	4.36	111	151037	114.54	ng	0.	00
Spiked A	mount 125.000 Ran	ge 70	- 130	Recove	ery =	91.	.638	
31) CS15	mount 125.000 Ran 1,2-Dichloroethane-D	4.61	65	176241	111.16	ng	0.	.00
	mount 125.000 Ran	ge 73	- 136	Recove		88		
44) CS05	Toluene-D8	6.05	98	774689	118.97	ng_	0.	.00
Spiked A	mount 125.000 Ran	ge 77	- 122	Recove	ery =	95	.18%	
61) CS10	mount 125.000 Ran p-Bromofluorobenzene	8.08	174	304252	154.26	ng	. 0.	. 00
Spiked A	amount 125.000 Ran	ge 74	- 120	Recove	ery =	123	.41%#	
Marcat Co	ompounds						Qvalu	16
Target Co	mpounds Dichlerediflueremeth	1 25		11/280	123.05 156.59	na	2 (4.1.)	ົດດ
2) (290	Dichlorodifluorometh	1.23	50	220954	156 59	na	_	94
3) COIO	Chloromethane Vinyl chloride	1.41	50	192356	135.39	ng		95
4) C020	Vinyi chioride	1.49	62	172330	135.97	200		99
5) C015	Bromomethane	1.75	94	47961 33599 201915	117.07	119		98
	Chloroethane	1.83	64	33399	100.00	119		97
7) C275	Trichlorofluorometha	2.08	101	201913	120 47	119	т	77
8) C045	1,1-Dichloroethene	2.54	96	112279	130.47	ng		82
9) C030	Methylene chloride	2.97	84	174630	141.11 125.79	ng	#	
10) C040					125.79	ng		98
11) C036	Acrolein Acrylonitrile Acetone Acetonitrile Iodomethane 1,1,2 Trichloro-1,2,	2.4/	5 6	528707		ng		99
12) C038	Acrylonitrile	3.17	53	1578168	3029.61		,,	95
13) C035	Acetone	2.62	43	281665	887.69		#	88
14) C300	Acetonitrile	2.84	41	1066671			-	98
15) C276	Iodomethane	2.67	142	161814	127.03	ng	J	100
16) C291	1,1,2 Trichloro-1,2,	2.56	101	110952	132.56	ng .	#	94
17) C962	T-butyl Methyl Ether	3.23	73	414207	128.18	ng	##	85
18) C057	trans-1,2-Dichloroet	3.20	96	1647/0	133./1	ng	#	
19) C255	1,1,2 Trichloro-1,2, T-butyl Methyl Ether trans-1,2-Dichloroet Methyl Acetate	2.91	43	219353	153.29 138.63 753.05	ng		91
20) 0050	I, I-Dichioroethane	3.54	6.0	338688	138.63	ng		97
21) C125	Vinyl Acetate	3.60		1714905	753.05	ng		95
22) C051				199948		ng	zi.	95
23) C056	cis-1,2-Dichloroethe	3.99		180912	134.71		#	86
24) C272	Tetrahydrofuran	4.22		281810	746.41			97
25) C222	Bromochloromethane	4.17	128	81157	134.89		#	85
26) C060	Chloroform	4.24	83	286944	138.69	_		97
27) C115	1,1,1-Trichloroethan	4.38	97	239220	135.77			94
28) C120	Carbon tetrachloride	4.52	117	201925	140.46			95
29) C116	1,1-Dichloropropene	4.51	75	235811	137.20			99
32) C165	Benzene	4.66		723972	134.44		•	100
33) C065	1,2-Dichloroethane	4.66		237580	145.46			91
34) C110	2-Butanone	4.01		423800	754.01		.,	93
35) C256	Cyclohexane	4.43		393865	142.08	_	#	90
36) C150	Trichloroethene	5.14	95	171214	135.61			95
37) C140	1,2-Dichloropropane	5.30		201331	139.56		,	95
38) C278	Dibromomethane	5.39	93	89694	135.58	ng	#	86

Quantitation Report STL Buffalo (Not Reviewed) 204/246

Data File : D:\MSDChem\S\Data\101106\S7496.D

Vial: 2 Acq On : 11 Oct 2006 9:36 Operator: LH

: VSTD025 Inst: HP5973S Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 10:59:35 2006 Results File: A6I0001...0_E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER

Last Update : Wed Oct 11 09:35:03 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDCHEM\S\DATA\101006\S7469.D (10 Oct 2006 21:40)

Inte	ernal	Standards	R.T.	QIon	Response	Conc Units		Min) Ar)
39)	C130	Bromodichloromethane	5.51	83	203955	138.15 ng		96
	C161	2-Chloroethylvinyl E	5.73	63	501246	777.26 ng		97
	C012	Methylcycolhexane	5.30	83	331827	130.37 ng	#	86
	C145	cis-1,3-Dichloroprop	5.84	75	267224	133.49 ng		79
	C230	Toluene	6.10	92	472656	121.87 ng		94
	C170	trans-1,3-Dichloropr	6.26	75	227216	122.27 ng		98
	C284	Ethyl Methacrylate	6.33	69	209203	124.80 ng	#	69
•	C160	1,1,2-Trichloroethan	6.40	83	118342	128.34 ng		99
49)	C210	4-Methyl-2-pentanone	5.95	43	877264	698.11 ng		92
50)	C220	Tetrachloroethene	6.52	166	174485	120.59 ng		94
51)	C221	1,3-Dichloropropane	6.52	76	261955	126.12 ng		85
52)	C155	Dibromochloromethane	6.70	129	137600	127.17 ng		93
	C163	1,2-Dibromoethane	6.78	107	139733	125.12 ng		99
	C215	2-Hexanone	6.58	43	609592	703.38 ng		91
	C235	Chlorobenzene	7.17	112	502425	124.28 ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.23	131	153693	124.37 ng		97
57)	C240	Ethylbenzene	7.27	91	900629	124.13 ng		100
58)	C246	m,p-Xylene	7.36	106	707246	250.11 ng		99
59)	C247	o-Xylene	7.67	106	340348	124.67 ng		95
60)	C245	Styrene	7.67	104	579333	123.70 ng		97
63)		Bromoform	7.82	173	73723	108.59 ng		94
64)	C966	Isopropylbenzene	7.96	105	895797	120.47 ng		97
65)	C301	Bromobenzene	8.20	156	192168	117.54 ng	#	76
-	C225	1,1,2,2-Tetrachloroe	8.18	83	170412	121.82 ng		97
67)	C282	1,2,3-Trichloropropa	8.22	110	55736	125.05 ng		100
	C283	t-1,4-Dichloro-2-But	8.23	53	320709	669.34 ng		93
69)	C302	n-Propylbenzene	8.29	91	1072811	121.27 ng		99
	C303	2-Chlorotoluene	8.36	126	198096	117.11 ng		100
71)	C289	4-Chlorotoluene	8.45	126	205700	119.26 ng		100
72)		1,3,5-Trimethylbenze	8.43	105	735598	120.29 ng		98 100
-	C306	tert-Butylbenzene	8.70	134	158353	113.54 ng 121.68 ng		100
74)	C307	1,2,4-Trimethylbenze	8.74	105	739862	121.66 ng		98
	C308	sec-Butylbenzene	8.88	105	910203	116.28 ng		97
76)	C260	1,3-Dichlorobenzene	8.97	146	371340 800684	116.28 ng		97
77)		4-Isopropyltoluene	9.00	119	368815	115.28 ng		96
78)	C267	<pre>1,4-Dichlorobenzene 1,2-Dichlorobenzene</pre>	9.04 9.34	146 146	343046	113.64 ng		95
79)	C249	n-Butylbenzene	9.34	91	697955	118.37 ng		99
80)	C286	1,2-Dibromo-3-Chloro	9.97	75	23750	112.93 ng		89
81) 82)	C286	1,2,4-Trichlorobenze	10.67	180	162984	111.00 ng		96
83)	C316	Hexachlorobutadiene	10.82	225	78151	89.95 ng		94
84)	C316	Naphthalene	10.82	128	363389	123.14 ng		100
	C934	1,2,3-Trichlorobenze	11.07	180	136337	104.97 ng		98

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Salar Britania (1995) Britania Britania (1996)

Raw QC Data

: HP5973S

Vial: 1

Multiplr: 1.00

Operator: LH

Inst

BFB Tune Evaluation

Data File : D:\MSDChem\S\Data\100306\S7100.D 9:51

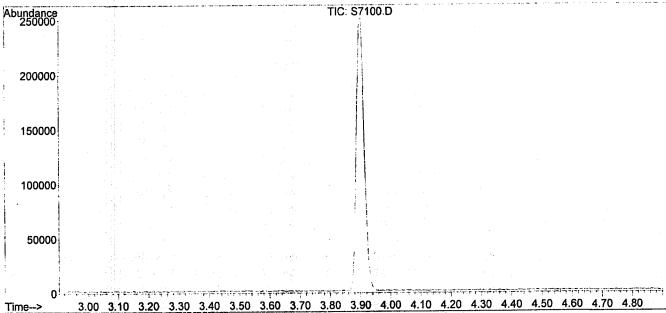
3 Oct 2006 :

: 1003BFBS1 Sample

Misc MS Integration Params: RTEINT.P

: D:\MSDCHEM\S\MET...\A610001998_E1.M (RTE Integrator)

: 8260 5ML WATER Title



Time--> Average of 3.897 to 3.909 min.: S7100.D (-) Abundance 50000 174 40000 30000 75 20000 50 10000 100 110 120 130 140 150 160 170 180 80 m/z--> 30 40 50 60 70

Pe Av I	eak Ape verage Target Mass	of	is scan: 3 scans Rel. to Mass	: 3	381,382,3	383 	minus Upper	1	Rel. Abn,%	l sca:	n 362 Raw Abn	(3. 	78 min) Result Pass/Fail	
	50	·	95	 1	15	- 	40	 I	18.8	1	9929	1	PASS	1
i	75	i	95	i	30	i.	60	ĺ	46.5	1	24546	- 1	PASS	1
í	95	i	95	i	100	j	100	Ĺ	100.0	1	52770	l	PASS	1
i	96	i	95	Ĺ	5	i	9	- 1	7.0	1	3668	- 1	PASS	1
i	173	i	174	i	Ö	ì	2	Ì	0.0	1	0	1	PASS	1
i	174	i	95	i	50	i	100	i	75.5	1	39864	- 1	PASS	1
i	175	i	174	í	5	i	9	İ	7.1	i	2816	ł	PASS	1
i	176	i	174	i	95	i	101	- 1	95.8	i	38208	1	PASS	1
i	177	i	176	i	5	i	9	1,	6.5	1	2481	1.	PASS	بار

208/246 BFB

Data File: D:\MSDChem\S\Data\101106\S7495.D

: 11 Oct 2006 Acq On 9:08

Sample : 1011BFBS1

Misc

Vial: 1 Operator: LH

: HP5973S Inst Multiplr: 1.00

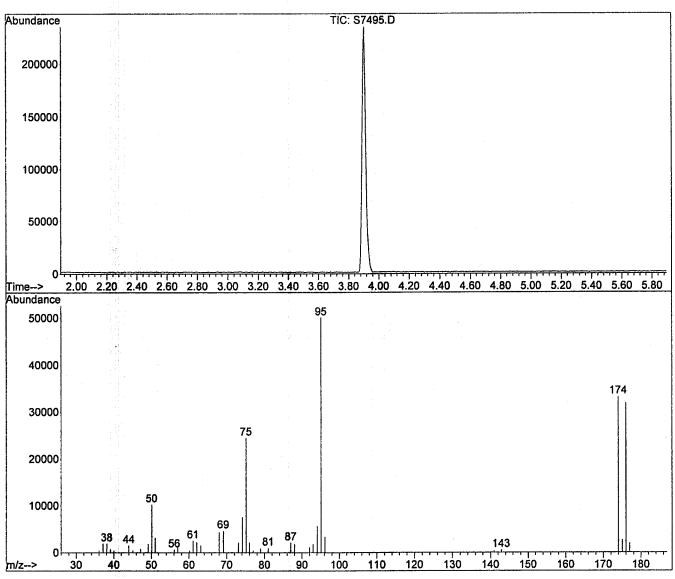
MS Integration Params: NA

: D:\MSDCHEM\S\MET...1998ASP8260_E1.M (RTE Integrator) Method

Title 8260 5MLWATER

: Wed Oct 11 09:35:03 2006 Last Update

Response via: Initial Calibration



Spectrum Information: Scan 381

 	Target Mass		Rel. to Mass	1	Lower Limit%	i 	Upper Limit%	1.	Rel. Abn%]	Raw Abn	1	Result Pass/Fail	
	50	 	95	 	15	- - -	40	1 .	20.5	1	10254	1	PASS	
1	75	Ì.	95	- 1	30	Ĺ	60	ı	48.8	- 1	24456	1	PASS	- 1
1	95	1	95	- 1	100	-	100	1	100.0	- 1	50128	1	PASS	- 1
ĺ	96	ĺ	95	1	5	1	9	١	6.8	- 1	3393	1	PASS	- 1
1	173	1	174	- 1	0.00	1	2	1	0.0	- 1	0	1	PASS	- 1
İ	174	İ	95	1	50	1	100	ı	66.1	1	33152	1	PASS	- 1
Ì	175	Ì	174	- 1	5	1	9	1	8.0	1	2638	1	PASS	- 1
Ì	176	ĺ	174	Ĺ	95	İ	101	Ì	96.0	1	31840	1	PASS	- 1
Ì	177	İ	176	İ	5	ł	9	İ	6.2	1	1963	1	PASS	1

to the angle of the angle of the season to the control of the co

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	470	56.10	641	76.00	2179	141.00	358
37.10	1902	57.00	1243	77.00	407	142.90	551
38.10	1914	60.10	446	78.90	909	174.00	33152
39.10	721	61.10	2511	81.00	1010	175.00	2638
40.00	446	62.10	2251	87.00	2106	176.00	31840
44.00	1520	63.10	1544	88.00	1855	177.00	1963
45.10	541	68.00	4373	92.00	1196		
47.10	810	69.10	4638	93.00	1824		
49.10	1858	73.10	2140	94.10	5652		
50.10	10254	74.10	7609	95.10	50128		
51.10	3198	75.10	24456	96.10	3393		

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

	; ;				VBLK21		
Lab Name:	SIL Buffalo) ····	Contract:		·		
Lab Code:	RECNY Ca	ase No.:	SAS No.: _	SDG No.:	· ·		
Matrix: (soil/water)	WATER		Lab Sample	e ID: <u>A6B2803</u>	602	
Sample wt	/vol:		<u>ML</u>	Lab File 1	ID: <u>S7498.R</u>	R	
Level:	(low/med)	LOW		Date Samp,	/Recv:	: :	. 17
% Moisture	e: not dec.	Heate	ed Purge: <u>N</u>	Date Analy	yzed: <u>10/11/2</u>	<u>006</u>	
GC Column	: DB-624	ID: <u>0.53</u> (mm)	Dilution H	Factor: 1.0	<u>o</u> '' '	
Soil Extra	act Volume:	(uL)		Soil Aliqu	ot Volume:	(u	ıL)
				╱ ╲ ℷ ╏╱╚╬┲┯═ѪͲŦ╱ ℷ ͳ	INTTO.		
	CAS NO.			CONCENTRATION	(g) <u>UG/L</u>	Q	
'.	CAS IVO.	COMPOUND		(ug/II OI ug/I	.g/ <u>од/п</u>	~	
	74-87-3	Chlorometha	ine		1	ן ט	
1'	74-83-9	Bromomethan	ne .		1	ט	
· · · · · · · · · · · · · · · · · · ·	75-01-4	Vinvl chlor	ride		1.	U	
	75-00-3	Chloroethan) <u>A</u>		1	U	
	75-09-2	Methylene c	hloride		1	U	
	67-64-1 - -	Acetone			5	ן ט	
	75-15-0	Carbon Disu	lfide		1	ן ט	
· · · · · · .	75-35-4	1 1-Dichlor	nethene		Ī	ן מ	
	75-34-3	1,1-Dichlor	methane		î	บ็	
l.	73-54-3 67-66-3	Chloroform			1	ט די	
	107-06-2	1 2-Dichlor	methane		1	ŭ	
	70_03_3	2-Butanone			5	Ū	
		·1,1,1-Trich	lomethane		1	บั	
		Carbon Tetr			1	บี	
i i		Bromodichle			1	บ็	
		1,2-Dichlor			1	บ็	
					1	บ	
		cis-1,3-Dic Trichloroet			1	ט ו	
		Dibromochlo			1	บื	
1					1	ט	
	71-43-2	1,1,2-Trich	moroechane		1 1	ט ט	
)ichloropropene		1 1	υ	
1		•	тситого р горен		1	ט	
		Bromoform_			5	ט	
		4-Methyl-2-	pencanone		5	ט	
		2-Hexanone				1 1	
		Tetrachloro	euleile		1 1	U U	
	108-88-3				1	บ	
			rachloroethane	<u> </u>	1	ט	
		Chlorobenze			1 1	Ü	
		Ethylbenzen	ıe		1	ָ ע	
	100-42-5				-	1 -	
		Total Xylen			3	U	·
		Dichlorodif			1	U	. *

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

		VBLK21
o Contract:		
ase No.: SAS No.:	SDG No.:	
WATER	Lab Sample ID:	A6B2803602
	Lab File ID:	S7498.RR
LOW	Date Samp/Recv:	
Heated Purge: N	Date Analyzed:	10/11/2006
ID: <u>0.53</u> (mm)	Dilution Factor:	1.00
<u> (uL)</u>	Soil Aliquot Vol	ume: (uL)
COMPOUND		
CAMPOOND	(ug/L or ug/Kg)	<u>UG/L</u> Q
1,1,2-Trichloro-1,2,2-triflu trans-1,2-Dichloroethene Methyl-t-Butyl Ether (MTBE) cis-1,2-Dichloroethene	uoroethane	1 U U U U U U U U U U U U U U U U U U U
1,1,2-Trichloro-1,2,2-triflu trans-1,2-Dichloroethene Methyl-t-Butyl Ether (MIBE) cis-1,2-Dichloroethene Cyclohexane Methylcyclohexane 1,2-Dibromoethane Isopropylbenzene	loroethane	1 U U 1 U U 1 U U U U U U U U U U U U U
1,1,2-Trichloro-1,2,2-triflutrans-1,2-DichloroetheneMethyl-t-Butyl Ether (MTBE)cis-1,2-DichloroetheneCyclohexaneMethylcyclohexane1,2-Dibromoethane	loroethane	1 U U 1 U U U U U U U U U U U U U U U U
	MATER	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

			VBLK21		
Lab Name: <u>STL Buffalo</u>	Contract:	-		· · · · · ·	
Lab Code: <u>RECNY</u> Case No.	.: SAS No.:	SDG No.: _			
Matrix: (soil/water) <u>WATER</u>		Lab Sampl	e ID: <u>A6B280</u>	<u>3602</u>	
Sample wt/vol: 5.00	<u>)</u> (g/mL) <u>ML</u>	Lab File	ID: <u>\$7498.</u>	RR	
Level: (low/med) <u>LOW</u>		Date Samp	/Recv:		
% Moisture: not dec.	• · · · · · · · · · · · · · · · · · · ·	Date Anal	yzed: <u>10/11/</u>	<u> 2006</u>	
GC Column: <u>DB-624</u> ID:	: <u>0.53</u> (mm)	Dilution	Factor: 1.	<u>00</u>	
Soil Extract Volume:	(uL)	Soil Aliq	quot Volume:		(uL)
Number TICs found: 0		CONCENTRATI	ON UNITS: ng/Kg) <u>UG/L</u>		
CAS NO.	Compound Name	RT	Est. Conc.	Q	

(Not Reviewed) **213/246** Quantitation Report STL Buffalo

Data File: D:\MSDChem\S\Data\101106\S7498.D

: 11 Oct 2006 11:38 Acq On

Sample : VBLK21

Misc

Operator: LH Inst : HP5973S Multiplr: 1.00

Vial: 4

MS Integration Params: RTEINT.P

Quant Time: Oct 11 11:59:40 2006 Results File: A6I0001...0 E1.RES

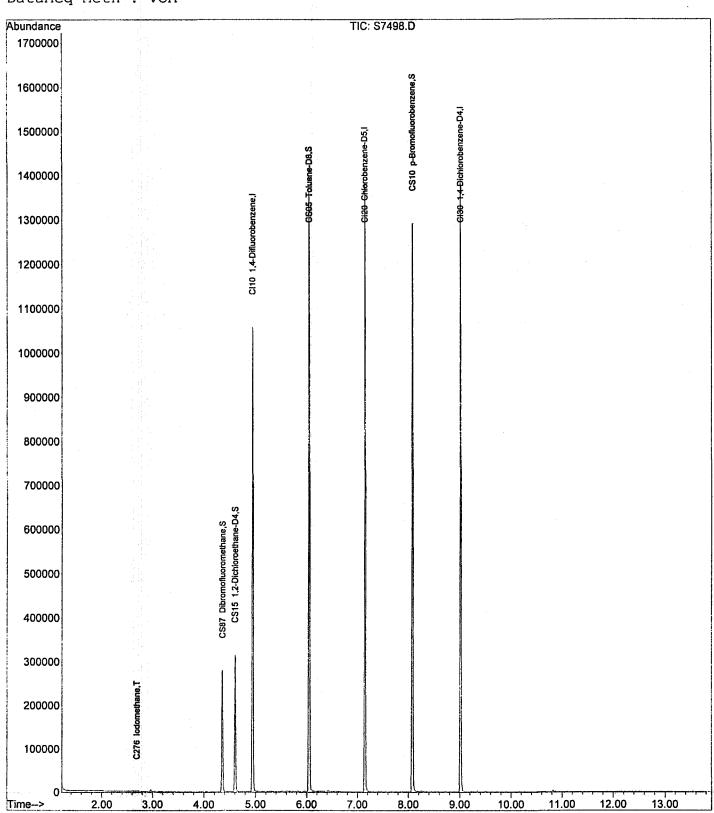
Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER

: Wed Oct 11 11:00:13 2006 Last Update

Response via : Initial Calibration

DataAcq Meth: VOA



Data File : D:\MSDChem\S\Data\101106\S7498.D

Vial: 4

Operator: LH Inst : HP5973S Acq On : 11 Oct 2006 11:38 Sample : VBLK21 Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Results File: A6I0001...0_E1.RES Quant Time: Oct 11 11:59:40 2006

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER

Last Update : Wed Oct 11 11:00:13 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006)

IS Q	A File	: D:\MSDChem\S\Dat	.a\10110	6\S749	6.D (11 Oc	t 2006	9:3	36)	194	ركر
Inte	ernal S	Standards	R.T.	QIon	Response	Conc Ur	nits	Dev Rcv	(Min) (Ar)	N
1)	CI10	1,4-Difluorobenzene	4.95	114	600721	125.00	ng	9;	0.00 2.30%	
43)	CI20	Chlorobenzene-D5	7.16	117	615094	125.00	ng		0.00 0.29%)
62)	CI30	1,4-Dichlorobenzene-	9.02	152	300899	125.00	ng		0.00 6.66%)
Svst	em Mor	nit ori ng Compounds								
30)	CS87 iked Ar	Dibromofluoromethane	e 4.36 inge 70		134375 Recove	110.40 rv =		. 32%	0.00)
31)		1,2-Dichloroethane-D	4.61		160298	109.54		.63%	0.00)
44)		Toluene-D8	6.05		677566	115.24	ng	.19%	0.00)
61)	CS10	p-Bromofluorobenzene	8.08		262756	147.54	ng 🛭		0.00)
_		npounds				-		Qva	alue	
2)	C290	Dichlorodifluorome	0.00	85	0	N.D.				
		Chloromethane	0.00	50	0	N.D.				
		Vinyl chloride	0.00	62	0	N.D.				
		Bromomethane	1.77	94	141	N.D.				
		Chloroethane	0.00	64	0	N.D.				
		Trichlorofluoromet	0.00	101	0	N.D.				
8)	C045	1,1-Dichloroethene	0.00	96	0	N.D.				
9)	C030	Methylene chloride	2.97		1656	Below	Cal	#	78	3
10)	C040	Carbon disulfide	2.73	76	1008	N.D.				
11)	C036	Acrolein	0.00	56	0	N.D.				
12)	C038	Acrylonitrile	3.17	53	735	N.D.				
	C035	Acetone	2.61	43	1170	N.D.				
	C300	Acetonitrile	2.84	41	140	N.D.				
		Iodomethane	2.70	142	892	8.88	- ng -	-#-	34	l
	C291	1,1,2 Trichloro-1,	0.00	101		N.D.	_			
	C962	T-butyl Methyl Eth	0.00	73	0	N.D.				
	C057	trans-1,2-Dichloro	0.00	96	0	N.D.				
	C255	Methyl Acetate	2.90	43	265	N.D.				
	C050	1,1-Dichloroethane	0.00	63	0	N.D.				
	C125	Vinyl Acetate	0.00	43	. 0	N.D.				
22)	C051	2,2-Dichloropropan	0.00	77	0	N.D.				
23)	C056	cis-1,2-Dichloroet	0.00	96	0	N.D.				
24)	C272	Tetrahydrofuran	0.00	42	0	N.D.				
25)		Bromochloromethane	0.00	128	0	N.D.				
26)		Chloroform	0.00	83	Ö	N.D.				
27)	C115	1,1,1-Trichloroeth	0.00	97	Ö	N.D.				
28)	C120	Carbon tetrachlori	0.00	117	Ö	N.D.				
29)	C116	1,1-Dichloropropen	0.00	75	Ö	N.D.				
32)	C165	Benzene	4.67	78	140	N.D.				
33)	C065	1,2-Dichloroethane	0.00	62	0	N.D.				
34)	C110	2-Butanone	4.03	43	922	N.D.				
	C256	Cyclohexane	0.00	56	0	N.D.				Kr
	C150	Trichloroethene	0.00	95	ŏ	N.D.				N/
		1,2-Dichloropropan	0.00	63	0 ,,,,	N.D.				Ν.
	C278	Dibromomethane	0.00	93	0	N.D.	ingan para pinangan.	aga nga sabga diga	MATERIA STATE	1.1
307	0270		Q 00		_					1

Vial: 4 Data File: D:\MSDChem\S\Data\101106\S7498.D Acq On : 11 Oct 2006 11:38 Operator: LH

: VB**LK**21 : HP5973S Inst Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 11:59:40 2006 Results File: A6I0001...0_E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update : Wed Oct 11 11:00:13 2006

Response via : Initial Calibration

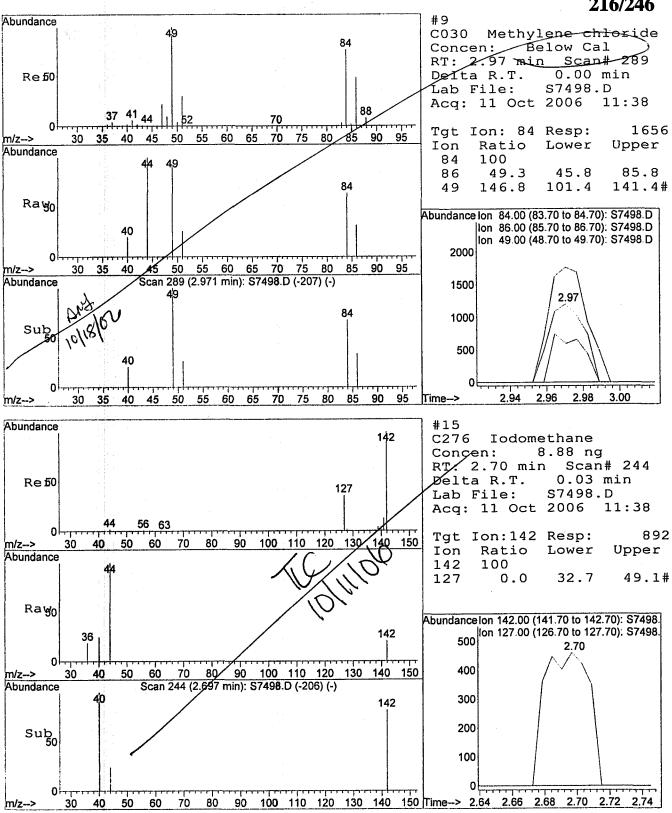
DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Internal	Standards	R.T	. QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39) C130		0.00	83	0	N.D.	
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.	
41) C012	Methylcycolhexane	5.30	83	131	N.D.	
42) C145		0.00	75	0	N.D.	
45) C230		0.00	92	0	N.D.	
46) C170	· · · · · · · · · · · · · · · · · · ·	0.00	75	0	N.D.	
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48) C160		0.00	83	0	N.D.	
49) C210		6.05	43	2939	N.D.	
50) C220		0.00	166	0	N.D.	
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.	- &
52) C155		0.00	129	0	N.D.	
53) C163		0.00	107	0	N.D.	
54) C215		0.00	43	0	N.D.	
55) C235		0.00	112	0	N.D.	
56) C281		0.00	131	0	N.D.	
57) C240		7.36	91	476	N.D.	
58) C246		0.00	106	0	N.D.	
59) C247		0.00	106	0	N.D.	
60) C245		0.00	104	0	N.D.	
63) C180		0.00	173	0	N.D.	
64) C966	Isopropylbenzene	0.00	105	0	N.D.	
65) C301		0.00	156	0	N.D.	
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.	
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.	
68) C283	t-1,4-Dichloro-2-B	0.00	53	0	N.D.	
69) C302	n-Propylbenzene	8.30	91	137	N.D.	
70) C303	2-Chlorotoluene	0.00	126	0	N.D.	
71) C289	4-Chlorotoluene	0.00	126	0	N.D.	
72) C304		0.00	105	0	N.D.	
73) C306		0.00	134	0	N.D.	
74) C307		8.74	105	346	N.D.	
75) C308		8.88	105	1256	N.D.	
76) C260	1,3-Dichlorobenzen	8.98	146	152	N.D.	
77) C309		9.01	119	1086	N.D.	
78) C267		9.04	146	614	N.D.	
79) C249		0.00	146	0	N.D.	
80) C310		9.34	91	1331	N.D.	
81) C286		0.00	75	0	N.D.	
82) C313		10.68	180	295	N.D.	
83) C316		10.82	225	1045	N.D.	
84) C314		10.87	128	992	N.D.	
85) C934		11.07	180	292	N.D.	

^{(#) =} qualifier out of range (m) = manual integration (+) = signals summed

The state of the s



217/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDCHEM\S\DATA\101106\S7498.D

Acq On : 11 Oct 2006 11:38

Sample : VBLK21

Misc

MS Integration Params: LSCINT.P

|--Internal Standard---|

Vial: 44 Operator: LHH Inst : HP5973SS

Multiplr: 1.000

TIC Top Hit name RT EstConc Units Response | # RT Resp Conc|

Library : C:\DATABASE\NISTO2.L

No Library Search Compounds Detected

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

U

U

1

1

Iah Name: STI. Buffalo	Contract:		Volatil	e Holding Bl
District Strategy		· · · · · · · · · · · · · · · · · · ·		
Lab Code: <u>RECNY</u> Cas	se No.: SAS No.:	SDG No.:	<u> 3.</u> 1. 611	
Matrix: (soil/water) <u>y</u>	VATER	Lab Sample ID:	A6B58611	
Sample wt/vol:	5.00 (g/mL) <u>ML</u>	Lab File ID:	<u>S7518.RR</u>	
Level: (low/med) <u>l</u>	LOW	Date Samp/Recv	: <u>10/05/20</u>	06 <u>10/05/200</u> 6
% Moisture: not dec	Heated Purge: N	Date Analyzed:	10/11/20	<u>06</u>
GC Column: <u>DB-624</u>	ID: <u>0.53</u> (mm)	Dilution Facto	r: <u>1.00</u>	
Soil Extract Volume: _	(uL)	Soil Aliquot V	olume:	(uL)
- 10 mm - 10		CONCENTRATION UNIT	S:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
74_97_3	Chloromethane		1	U
74-83-9	The decision of the large of th	•	i	lŭ
75-01-4	Vinyl chloride		1	บี
75-00-3			ī	U
75-09-2	Methylene chloride		1	υ
67-64-1	Adotono	1	5	υ
	Carbon Digulfide		1	Ū
75-25-4	1,1-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	lŭ l
67-66-3			i	υ
107-06-2	1,2-Dichloroethane		1	Ü
78-93-3	2-Putanone		5	Ü
71 55 6	1,1,1-Trichloroethane		1	lυ
56-23-5	Carbon Tetrachloride			บั
75-27-4	Bromodichloromethane		1	lŭ l
79_97_5	1,2-Dichloropropane		i	υ
10061-01-5	cis-1,3-Dichloropropene		1 : '	ŭ
	Trichloroethene		1	υ
	Dibromochloromethane		7	Ū
	1,1,2-Trichloroethane		ī	ען ען
71-43-2			1	lυ l
	trans-1,3-Dichloropropene		1	<u> </u>
75-25-2			1	l u l
108-10-1	4-Methyl-2-pentanone		5	Ü
591-78-6			5	lυ
	Tetrachloroethene		1	U
108-88-3			1	U
	1,1,2,2-Tetrachloroethane		1	Ū
The state of the s	Chlorobenzene		1	Ü
	Ethylbenzene		1	U
100-42-5			ī	Ū
	Total Xylenes		3	Ū
1-000 -00			_	1

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Lab Name:	: STL Buffal	o Contract:		Volati	lle Holdii	ng Bli
						
Lab Code:	: <u>RECNY</u> C	Case No.: SAS No.:	SLG No.: _			
Matrix:	(soil/water)	WATER	Lab Sample	ID: <u>A6B586</u>	<u>L1</u>	
Sample wt	:/vol:		Lab File II	S7518.I	RR	
Level:	(low/med)	LOW	Date Samp/F	Recv: <u>10/05/</u> 2	2006 <u>10/0</u>	5/2006
% Moistur	re: not dec.	Heated Purge: N	Date Analyz	zed: <u>10/11/</u> 2	2006	
GC Column	n: <u>DB-624</u>	ID: <u>0.53</u> (mm)	Dilution Fa	actor: 1.0	<u>00</u>	
Soil Exti	ract Volume:	(uL)	Soil Aliqua	ot Volume:	(u	ட்)
	CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/Kg		Q	
	156-60-5 1634-04-4 156-59-2 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8 120-82-1	1,2-DibromoethaneIsopropylbenzene1,3-Dichlorobenzene		1 1 1 1 1 1 1 1 1 1 1	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	
	19-20-3			т .	ا ت	

EPA ASP 2000 - METHOD 8260 VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

		Volatile Holding Blk
Lab Name: STL Buffalo Contract:	<u> </u>	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A6B58611
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	S7518.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/05/2006 10/05/200
% Moisture: not dec	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor	:1.00
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume: (uL)
Number TICs found: <u>0</u>	CONCENTRATION UNI (ug/L or ug/Kg)	

CAS NO.	Compound Name	RT	Est. Conc.	Q

(Not Reviewed) **221/246** Quantitation Report STL Buffalo

Data File : D:\MSDCHEM\S\DATA\101106\S7518.D

Vial: 24 Acq On : 11 Oct 2006 20:01 Operator: LH

: A6B58611 : HP5973S Sample Inst Misc Multiplr: 1.00

MS Integration Params: RTEINT.P

Results File: A6I0001...0 E1.RES Quant Time: Oct 11 20:35:58 2006

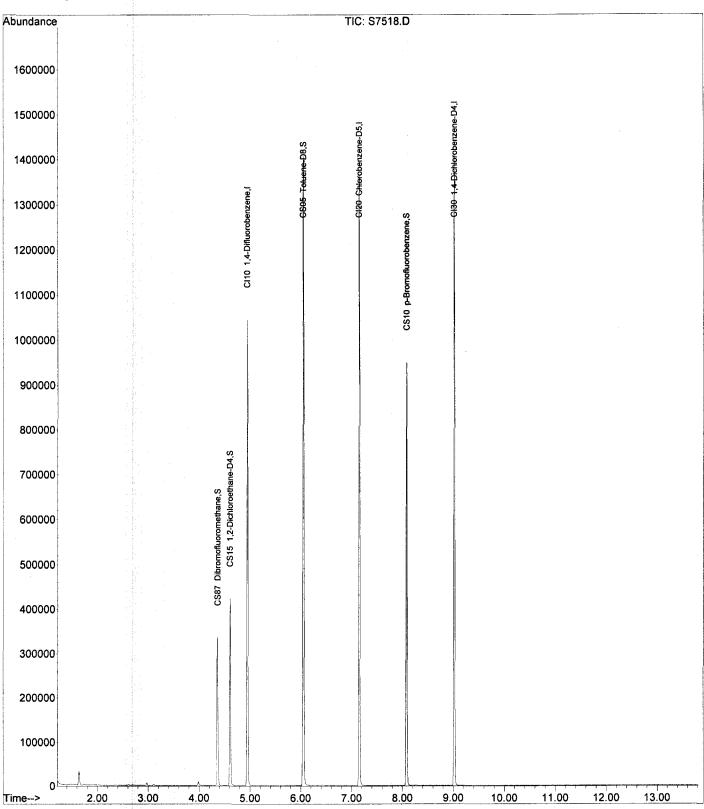
Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

DataAcq Meth : VOA



Quantitation Report STL Buffalo (Not Reviewed) 222/246

Data File : D:\MSDCHEM\S\DATA\101106\S7518.D

Vial: 24

Operator: LH Inst : HP5973S Acq On : 11 Oct 2006 20:01 Sample : A6B58611 Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 20:35:58 2006 Results File: A6I0001...0 E1.RES

Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006)

Internal	Standards]	Rcv (A	r)
1) CI10	1,4-Difluorobenzene					ng	0	.00
43) CI20	Chlorobenzene-D5	7.16	117	602453	125.00	ng	0	.00
62) CT30	1,4-Dichlorobenzene-	. 9.02	152	291947	125.00	na	88.	44%
02) 0130	1,4 Dioniologenzene		102	23131	123.00	9	84.	08%
	onitoring Compounds	. 4 36		159364	125 72	na	0	.00
Spiked	Dibromofluoromethane Amount 125.000 Ra	nge 70	- 130	Recove	ry =	108.		.00
31) CS15	Amount 125.000 Ra 1,2-Dichloroethane-I	4.61	65	212072	150.21	ng	170	.00
Spiked 44) CS05	Amount 125.000 Ra Toluene-D8 Amount 125.000 Ra	nge /3 6.05	- 136 - 98	700126	ry = 121.58	120. ng	1/6	.00
Spiked	Amount 125.000 Ra	inge 77	- 122	Recove	ry =	97.	26%	
61) CS10	p-Bromofluorobenzene Amount 125.000 Ra	8.08	174	189451	108.61	ng 🔸	U	.00
		inge / i	120	1.000 7 0	- 1			
farget C	ompounds Dichlorodifluorome	0 00	Ω.5.	0	N D		Qval	ue
2) C290	Chloromethane	0.00	50	0	N.D.			
4) CO20	Chloromethane Vinyl chloride	0.00	62	0	N.D.			
5) C015	Bromomethane	0.00	94	0 0	N.D.			
6) C025	Bromomethane Chloroethane	1.81	64	131	N.D.			
7) C275	Trichlorofluoromet	0.00	101	0	N.D.			
8) C045	1.1-Dichloroethene	0.00	96	0	N.D.			
9) C030	1,1-Dichloroethene Methylene chloride Carbon disulfide	2.97	84	2083	Below	Cal		93
10) C040	Carbon disulfide	2.73	76	157	N.D.			
11) C036	Acrolein	0.00	56	0	N.D.			
12) C038	Acrylonitrile	0.00	53 43		N.D.			
(3) C035		2.61	43	0 1890	N.D.			
L4) C300	Acetonitrile	0.00	41		N.D.			
L5) C276		0.00	142	0	N.D.			
16) C291	1,1,2 Trichloro-1,	0.00	101 73	0	N.D.			
l7) C962	T-butyl Methyl Eth	0.00	73	0	N.D.			
l8) C057	1 0 D	$\alpha \alpha \alpha$	96	0	N.D.			
l9) C255	Methyl Acetate	2.91	43	657	N.D.			
20) C050	Methyl Acetate 1,1-Dichloroethane Vinyl Acetate 2,2-Dichloropropan	0.00	63	0	N.D.			
21) C125	Vin yl Aceta te	0.00	43	0	N.D.			
22) C051	2,2-Dichloropropan		77	0	N.D.			
23) C056		0.00	96	0	N.D.			
24) C272		4.24	42	148	N.D.			
25) C222			128	0	N.D.			
26) C060		0.00	83	0	N.D.			
27) C115		0.00	97	0	N.D.			
28) C120			117	0	N.D.			
29) C116		0.00	75 78	0	N.D.			
32) C165		0.00	78 62	0	N.D. N.D.			
33) C065		0.00 4.03	62 43	287	N.D.			
34) C110 35) C256		0.00	56	0	N.D.			
35) C256 36) C150		0.00	95	0	N.D.			
36) C130		0.00	63	0	N.D.			
37) C140		0.00	93	0	N D			

N.D.

Dibromomethane

38) C278

Data File : D:\MSDCHEM\S\DATA\101106\S7518.D Vial: 24 Acq On : 11 Oct 2006 20:01

Operator: LH Inst : HP5973S : A6B58611 Sample Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 20:35:58 2006 Results File: A6I0001...0 E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

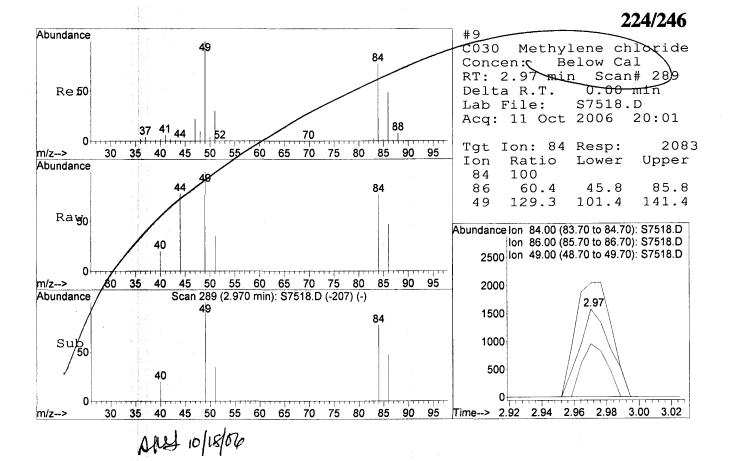
Response via : Initial Calibration

DataAcq Meth : VOA

: D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36) IS QA File

Int	ernal	Standards	R.T	. QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39)	C130	Bromodichlorometha	0.00	83	0	N.D.	
	C161	2-Chloroethylvinyl	0.00	63	0	N.D.	
41)	C012	Methylcycolhexane	0.00	83	0	N.D.	
		cis-1,3-Dichloropr	0.00	75	0	N.D.	
	C230	Toluene	6.10	92	268	N.D.	
	C170	trans-1,3-Dichloro	0.00	75	0	N.D.	
	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroeth	0.00	83	0	N.D.	
	C210	4-Methyl-2-pentano	6.05	43	3306	N.D.	
	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropan	0.00	76	0	N.D.	
	C155	Dibromochlorometha	0.00	129	0	N.D.	
	C163	1,2-Dibromoethane	0.00	107	Ō	N.D.	
	C215	2-Hexanone	0.00	43	Ō	N.D.	
55)		Chlorobenzene	0.00	112	Ō	N.D.	
56)	C281	1,1,1,2-Tetrachlor	0.00	131	Ō	N.D.	
	C240	Ethylbenzene	7.15	91	1035	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
	C247	o-Xylene	0.00	106	Ö	N.D.	
	C245	Styrene	0.00	104	Ö	N.D.	
63)		Bromoform	0.00	173	O O	N.D.	
•	C966	Isopropylbenzene	0.00	105	. 0	N.D.	
65)		Bromobenzene	0.00	156	Ō	N.D.	
	C225	1,1,2,2-Tetrachlor	0.00	83	Ö	N.D.	
	C282	1,2,3-Trichloropro	0.00	110	Ö	N.D.	
	C283	t-1,4-Dichloro-2-B	0.00	53	Ö	N.D.	
•	C302	n-Propylbenzene	0.00	91	Ö	N.D.	
	C302	2-Chlorotoluene	0.00	126	Ö	N.D.	
	C289	4-Chlorotoluene	0.00	126	Ö	N.D.	
	C304	1,3,5-Trimethylben	0.00	105	Ö	N.D.	
	C304	tert-Butylbenzene	0.00	134	Ö	N.D.	
	C307	1,2,4-Trimethylben	0.00	105	Ö	N.D.	
	C308	sec-Butylbenzene	0.00	105	Ö	N.D.	
	C260	1,3-Dichlorobenzen	0.00	146	Ö	N.D.	
	C309	4-Isopropyltoluene	0.00	119	Ö	N.D.	
	C267	1,4-Dichlorobenzen	0.00	146	Ö	N.D.	
	C249	1,2-Dichlorobenzen	0.00	146	Ö	N.D.	
	C310	n-Butylbenzene	0.00	91	Ö	N.D.	
	C286	1,2-Dibromo-3-Chlo	0.00	75	Ö	N.D.	
	C313	1,2,4-Trichloroben	0.00	180	Ö	N.D.	
	C316	Hexachlorobutadien	0.00	225	0	N.D.	
	C314	Naphthalene	0.00	128	Ö	N.D.	
	C934		0.00	180	Ö	N.D.	
						. 	

^(#) = qualifier out of range (m) = manual integration (+) = signals summed



225/246 Tentatively Identified Compound (LSC) summary

Data File : D:\MSDCHEM\S\DATA\101106\S7518.D
Acq On : 11 Oct 2006 20:01
Sample : A6B58611

Misc

Vial: 244 Operator: LHH Inst : HP5973SS

Multiplr: 1.000

MS Integration Params: LSCINT.P

|--Internal Standard---|

TIC Top Hit name RT EstConc Units Response | # RT Resp Conc|

Library : C:\DATABASE\NIST02.L

No Library Search Compounds Detected

Client No.

			MSB21	
Lab Name: <u>STL Buffalo</u>	Contract:		L	
Lab Code: <u>RECNY</u> Cas	se No.: SAS No.:	SDG No.:	-	
Matrix: (soil/water) <u>V</u>	WATER	Lab Sample ID:	A6B2803601	
Sample wt/vol:	5.00 (g/mL) <u>ML</u>	Lab File ID:	S7497.RR	
Level: (low/med) <u>I</u>	LOW	Date Samp/Recv:		
% Moisture: not dec	Heated Purge: N	Date Analyzed:	10/11/2006	
GC Column: <u>DB-624</u>	ID: <u>0.53</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: _	(uL)	Soil Aliquot Vol	ume:	(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q
74-87-3	Chloromethane		30 23	
74-83-9	Bromomethane		26	l
75-01-4	Vinyl chloride			,
75-00-3	Chloroethane		31	
75-09-2	Methylene chloride		27	
67-64-1			150	
	Carbon Disulfide		22	-
75-35-4+-	1,1-Dichloroethene		26	
75-34-3	1,1-Dichloroethane		27	
167-66-3	Chloroform	1	27	
107-06-2	1,2-Dichloroethane		28	j
78-93-3	2-Butanone		130	
71-55-6	1,1,1-Trichloroethane		26	
56-23-5	Carbon Tetrachloride		27	1
75-27-4	Bromodichloromethane		27	
78-87-5	1,2-Dichloropropane		27	
	cis-1,3-Dichloropropene		26	
	Trichloroethene		26	
	Dibromochloromethane		25	
I .	1,1,2-Trichloroethane		24	1
71-43-2	•		26	
	trans-1,3-Dichloropropene		24	Ì
75-25-2	·		21	
	4-Methyl-2-pentanone		120	
591-78-6	<u> </u>		120	.]
	z-nexalione Tetrachloroethene		24	
			24	
108-88-3			24	
	1,1,2,2-Tetrachloroethane		i i	ł
The state of the s	Chlorobenzene		24	
1	Ethylbenzene		24	
100-42-5	±		24	
1330-20-7	Total Xylenes		72	

24

27

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

			MSB21	
Lab Name: <u>STL Buffa</u>	contract:			
Lab Code: <u>RECNY</u>	Case No.: SAS No.:	SDG No.:	_	
Matrix: (soil/water	MATER	Lab Sample ID:	A6B2803601	
Sample wt/vol:	<u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	<u>S7497.RR</u>	
Level: (low/med)	LOW	Date Samp/Recv:		
% Moisture: not dec	Heated Purge: N	Date Analyzed:	10/11/2006	
GC Column: <u>DB-624</u>	ID: <u>0.53</u> (mm)	Dilution Factor	:1.00	
Soil Extract Volume	(uL)	Soil Aliquot Vo	lume: (uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		
156-60-5 1634-04-4- 156-59-2 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8 120-82-1	Methylcyclohexane1,2-DibromoethaneIsopropylbenzene1,3-Dichlorobenzene		24 26 23 26 25 23 24 24 22 22 23 25 22 23	

Vial: 3

Multiplr: 1.00

: HP5973S

Operator: LH

Inst

Results File: A6I0001...0 E1.RES

Data File : D:\MSDChem\S\Data\101106\S7497.D

: 11 Oct 2006 10:11 Acq On

Sample : MSB (FULL)

Misc

MS Integration Params: RTEINT.P

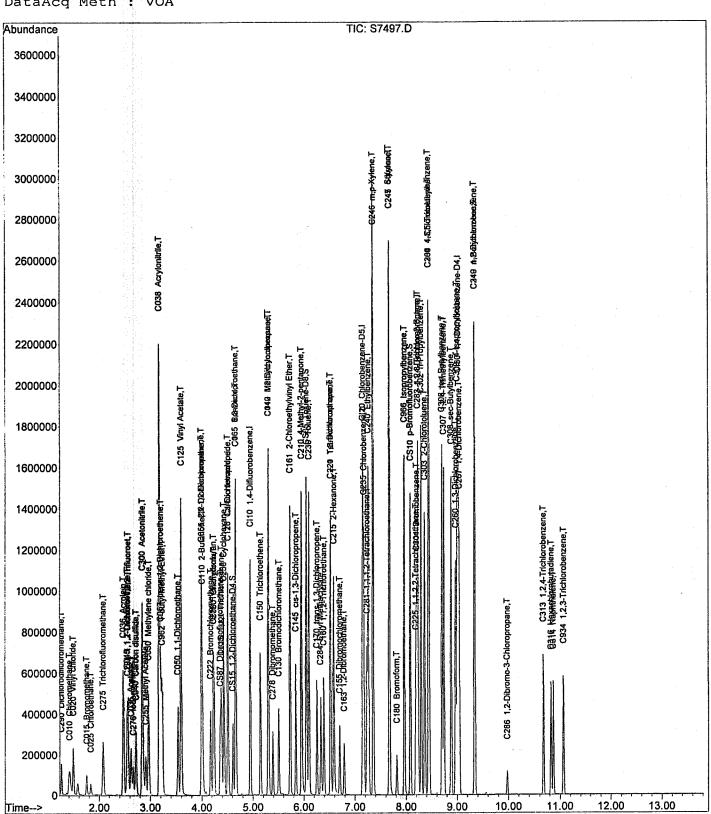
Quant Time: Oct 11 11:00:24 2006 Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

5ML WATER Title : 8260

Last Update : Wed Oct 11 11:00:13 2006

Response via : Initial Calibration

DataAcq Meth : VOA



STL Buffalo (Not Reviewed) 229/246 Quantitation Report

Data File : D:\MSDChem\S\Data\101106\S7497.D

Acq On : 11 Oct 2006 10:11

Misc

Sample

: MSB (FULL)

MS Integration Params: RTEINT.P

Operator: LH Inst: HP5973S

Multiplr: 1.00

Page: 1

Vial: 3

Results File: A6I0001...0_E1.RES Quant Time: Oct 11 11:00:24 2006

Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER

Last Update : Wed Oct 11 11:00:13 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006

IS QA	File	:	D:\MSDChem\S\Da	ita\1	0110	6\5/49	6.D (II C	OCT 2006	9:3	(0)	
Inte	rnal	Stand	lards		R.T.	QIon	Response	Conc Ur	nits	Dev((Min) (Ar)
1)	CI10	1,4	-Difluorobenzene	}	4.95	114	688541	125.00	ng	105	0.00 5.79%
43)	CI20	Chl	robenzene-D5		7.16	117	716667	125.00	ng		0.00 5.20%
62)	CI30	1,4	-Dichlorobenzene	;-	9.02	152	361469	125.00	ng		0.00
30) Spi 31) Spi 44) Spi 61)	CS87 ked A CS15 ked A CS05 ked A CS10	Dib Amoun 1,2 Amoun Tol Amoun	ring Compounds romofluoromethar 125.000 F -Dichloroethane- 125.000 F 125.000 F romofluorobenzer 125.000 F	Range -D Range Range ne	70 4.61 73 6.05 77 8.08	- 130 65 - 136 98 - 122 174	Recov 171448 Recov 755098 Recov 296354 Recov	rery = 110.23 rery = 142.82 rery =	84. ng 81. ng 88. ng* 114.	46% 77% 18% 26%	0.00 0.00 0.00 0.00
Targ	get Co	ompou	nds							Qva	alue
3) 4) 5)	C010 C020 C015	Chle Vin Bro	nlorodifluoromet bromethane yl chloride momethane		1.41 1.49 1.75	50 62 94	115927 221263 198236 50291	148.01 132.45 116.82	ng ng		99 95 96 98
6) 7) 8) 9)	C025	Tric 1,1	proethane chlorofluorometh Dichloroethene nylene chloride oon disulfide	na	1.83 2.08 2.54 2.97	101 96 84	35923 207193 117631 177412 373318	136.77 129.20 134.98	ng	# #	97 97 78 81 99
11) 12) 13) 14)	C036 C038 C035 C300	Acr Acr Ace Ace	olein ylonitrile tone tonitrile		2.47 3.17 2.62 2.84	56 53 43 41	492292 1465334 245349 972903	2491.94 2658.92 730.88 5323.83	ng ng ng ng		100 96 89 98
	C276 C291	1.1	omethane .2 Trichloro-1.2	2.	2.56	142	152908 104644	114.34 118.17	ng ng		99 94
	C962	T-b	utyl Methyl Ethe	er	3.23	73	387174	113.25	ng	#	
	C057	tra	ns-1,2-Dichloroe	e t	3.20	96	170754	130.98	ng	#	86
	C255	Met	hyl Acetate Dichloroethane		2.91	43	206656 349615 1594445	136.51	ng	#	90
	C050	1,1	-Dichloroethane	•	3.54	63	349615	135.27	ng		97 05
	C125	Vin	yl Acetate		3.60		1594445	661.81	ng		95 94
22)	C051		-Dichloropropane		3.99	77	208482	119.71 130.49		#	94 85
	C056 C272		-1,2-Dichloroethrahydrofuran	16	3.99 4.22	96 42	185394 261169	653.85		11	97
	C222		mochloromethane		4.17	128	81326	127.77		#	84
	C060		proform		4.24	83	293104	133.91		"	98
	C115		,1-Trichloroetha	an	4.38	97	246028	131.99			95
	C120		on tetrachloric		4.52	117	208904	137.36			96
	C116		Dichloropropens		4.51	75	245346	134.92			99
	C165		zene		4.66	78	743471	130.50			100
	C065		-Dichloroethane		4.66	62	238642	138.11			91
34)	C110	2-B	atanone		4.01	43	393080	661.05			93
	C256		lohexane		4.43	56	367201	125.21		#	91
	C150		chloroethene		5.14	95	176572	132.19			94
37) 38)	C140 C278		-Dichloropropane romomethane	}rry:	5.30 5.39		206801 91140	135.49 130.22		\$* ***	96 89 M

Data File : D:\MSDChem\S\Data\101106\S7497.D

Vial: 3

Acq On : 11 Oct 2006 10:11 Operator: LH

Sample : HP5973S : MSB(FULL) Inst Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Quant Time: Oct 11 11:00:24 2006 Results File: A6I0001...0_E1.RES

Quant Method : D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 11:00:13 2006
Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Internal Sta	andards	R.T.	QIon	Response	Conc Units		(Min) (Ar)
39) C130 B	romodichloromethane	5.51	83	209493	134.13 ng		99
,	-Chloroethylvinyl E	5.73	63	462825	678.37 ng		98
	ethylcycolhexane	5.30	83	308578	114.60 ng	#	86
	is-1,3-Dichloroprop	5.84	75	271870	128.37 ng	••	79
•	oluene	6.10	92	484020	118.62 ng		93
	rans-1,3-Dichloropr	6.26	75	230210	117.75 ng		100
	thyl Methacrylate	6.33	69	193779	109.88 ng	#	69
	,1,2-Trichloroethan	6.39	83	118332	121.98 ng		96
	-Methyl-2-pentanone	5.95	43	812645	614.70 ng		92
	etrachloroethene	6.52	166	179362	117.83 ng		92
51) C221 1	,3-Dichloropropane	6.52	76	265595	121.55 ng		86
	ibromochloromethane	6.70	129	141181	124.03 ng		94
53) C163 1	,2-Dibromoethane	6.78	107	142395	121.19 ng		100
54) C215 2	-Hexanone	6.58	43	561252	615.56 ng		90
55) C235 C	hlorobenzene	7.17	112	511188	120.19 ng		99
56) C281 1	,1,1,2-Tetrachloroe	7.23	131	156976	120.74 ng		97
57) C240 E	thylbenzene	7.27	91	930595	121.92 ng		100
58) C246 m	,p-Xylene	7.36	106	721405	242.49 ng		96
	-Xylene	7.67	106	345979	120.47 ng		94
60) C245 S	tyrene	7.67	104	590611	119.87 ng		96
	romoform	7.82	173	75737	107.24 ng		96
64) C966 I	sopropylbenzene	7.96	105	920169	118.87 ng		98
65) C301 B	romobenzene	8.20	156	194929	114.53 ng	#	76
66) C225 1	,1,2,2-Tetrachloroe	8.18	83	176135	120.95 ng		99
	,2,3-Trichloropropa	8.22	110	58049	125.10 ng		100
	-1,4-Dichloro-2-But	8.23	53	299194	599.82 ng		96
	-Propylbenzene	8.29	91	1097038	119.12 ng		99
	-Chlorotoluene	8.36	126	204077	115.89 ng		100
	-Chlorotoluene	8.45	126	208177	115.94 ng		100
	,3,5-Trimethylbenze	8.43	105	757755	119.03 ng		97
	ert-Butylbenzene	8.70	134	163104	112.33 ng		100
	,2,4-Trimethylbenze	8.74	105	753080	118.97 ng		100
	ec+Butylbenzene	8.88	105	919320	113.21 ng		97
	,3-Dichlorobenzene	8.97	146	374905	112.76 ng		97
	-Isopropyltoluene	9.00	119	809262	112.89 ng		98
	,4-Dichlorobenzene	9.04	146	375905	112.63 ng		97
- •	,2+Dichlorobenzene	9.35	146	344159	114.29 ng		96
	-Butylbenzene	9.33	91	704082	114.70 ng		99
	,2-Dibromo-3-Chloro	9.97	75	24168	110.42 ng		85
	,2,4-Trichlorobenze	10.67	180	166154	108.70 ng		96
	exachlorobutadiene	10.82	225	80058	88.52 ng		100
	aphthalene	10.87	128	360871	117.46 ng		100
85) C934 1	,2,3-Trichlorobenze	11.07	180	140931	104.23 ng		99

^{(#) =} qualifier out of range (m) = manual integration (+) = signals summed

	The state of the s					GW-3	
Lab Name	: STL Buffal	o Contract:		<u></u>			
Lab Code	RECNY C	ase No.: SAS No.:		SDG No.:			
Matrix:	(soil/water)	WATER		Lab Sample	e ID:	A6B58601M	2
Sample wt	:/vol:			Lab File 1	D:	S7519.RR	
Level:	(low/med)	LOW		Date Samp,	/Recv:	10/05/2006	10/05/2006
% Moistu	re: not dec.	Heated Purge: N		Date Analy	yzed:	10/11/2006	5
GC Column	n: <u>DB-624</u>	ID: <u>0.53</u> (mm)		Dilution I	Factor:	4.00	
Soil Ext	ract Volume:	(uL)		Soil Aliq	ot Vol	ume:	(uL)
			CONT	CENTRATION	INTTTC.		
	CAS NO.	COMPOUND		-		UG/L	Q
	74-87-3	Chloromethane				120	
unct -	174-83-9+	Bromomethane				82	
	75-01-4	Vinyl chloride			ľ	110	
	しょうーいけー シャー・ナ	·===Cnioroei.nane			1	170	
•	75-09-2	Methylene chloride	**********		l	120	
	67-64-1	Acetone			1	500	
	75-15-0	Carbon Digulfido				96	
	75-35-4	1,1-Dichloroethene				100	
	75-34-3	1,1-Dichloroethane				110	
	67-66-3				F	120	
	107 06 3	Chloroform 1,2-Dichloroethane		· ·	į.	120	
	70 02 2	2-Butanone				580	
	70-93-3	2-Butanone1,1,1-Trichloroethane				110	
	/I-33-6	Carbon Totrochlorido			1	120	
	30-23-5	carpon lectacinoride				120	
		Bromodichloromethane				120	
		1,2-Dichloropropane				100	
		cis-1,3-Dichloropropene				110	
		Trichloroethene				110	
		Dibromochloromethane				i i	
		1,1,2-Trichloroethane				100	
	71-43-2					110	
		trans-1,3-Dichloropropene				94	
		Bromoform				91	
		4-Methyl-2-pentanone				550	
		2-Hexanone	-			550	J
		Tetrachloroethene				95	
	108-88-3					98	
		1,1,2,2-Tetrachloroethane			1	100	
		Chlorobenzene				100	
		Ethylbenzene				100	
	100-42-5	styrene				100	
		Total Xylenes				300	1
		Dichlorodifluoromethane				88	
	1/5-69-4+	iricniorotinoromethane			I	110	I

120

EPA ASP 2000 - METHOD 8260 VOLATILES ANALYSIS DATA SHEET

Client No.

			GW-3
Lab Name: <u>STL Buffa</u>	Contract:		
Lab Code: <u>RECNY</u>	Case No.: SAS No.:	SDG No.:	_ /
Matrix: (soil/water	<u>WATER</u>	Lab Sample ID:	A6B58601MS
Sample wt/vol:	<u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	S7519.RR
Level: (low/med)	LOW	Date Samp/Recv:	10/05/2006 10/05/2006
Moisture: not dec	Heated Purge: N	Date Analyzed:	10/11/2006
GC Column: <u>DB-624</u>	ID: <u>0.53</u> (mm)	Dilution Factor	:4.00
Soil Extract Volume	(uL)	Soil Aliquot Vo	lume: (uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)	
156-60-5 1634-04-4- 156-59-2 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1	1,1,2-Trichloro-1,2,2-triflucture		99 110 99 110 100 94 100 94 93 92 96 95
I120-82-1	+1 2 4-Trichlorobenzene		84

79-20-9-----Methyl acetate

Vial: 25

Data File : D:\MSDCHEM\S\DATA\101106\S7519.D

Acq On : 11 Oct 2006 20:26

Operator: $_{
m LH}$: HP5973S Sample : A6B58601MS DF4 FOAMS Inst Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P

Results File: A6I0001...0_E1.RES Quant Time: Oct 11 20:45:07 2006

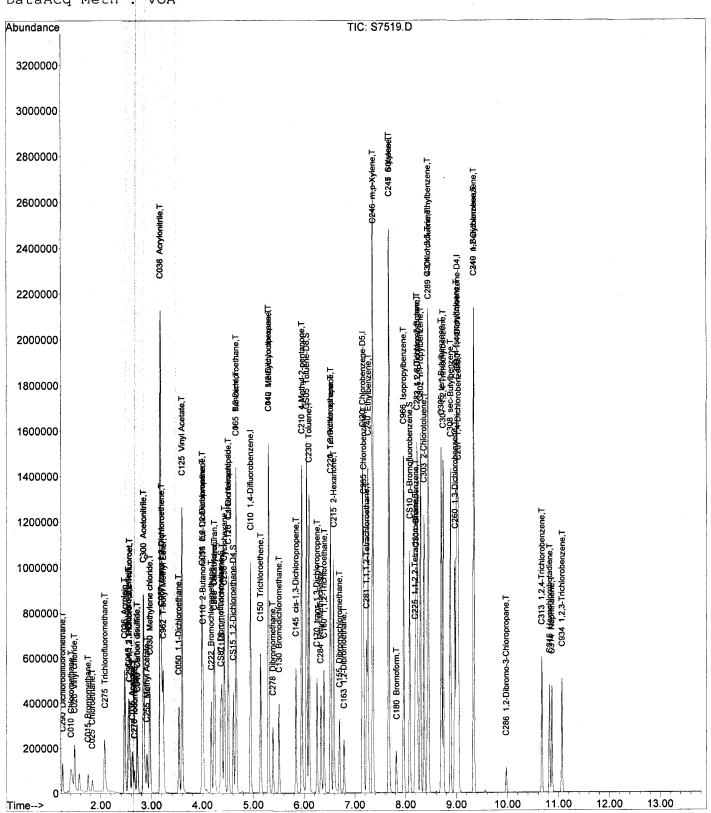
D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator) Quant Method:

Title 8260 5ML WATER

Wed Oct 11 12:01:01 2006 Last Update :

Response via : Initial Calibration

DataAcq Meth: VOA



Data File : D:\MSDCHEM\S\DATA\101106\S7519.D Acq On : 11 Oct 2006 20:26 Sample : A6B58601MS DF4 FOAMS Vial: 25 Operator: LH Inst : HP5973S Multiplr: 1.00

Misc MS Integration Params: RTEINT.P

Results File: A6I0001...0 E1.RES Quant Time: Oct 11 20:45:07 2006

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER

Last Update : Wed Oct 11 12:01:01 2006

Response via : Initial Calibration

DataAcq Meth : VOA

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

IS Q	4 FITE	: D:\MSDCnem\S\Dat	a (10110	0 \ 5 / 4 9	6.D (II O	2006	9:3	30)	
Inte	ernal	Standards	R.T.	QIon	Response	Conc Ur		Dev(Rcv(Ar)
1)	CI10	1,4-Difluorobenzene	4.95	114	581759	125.00			0.00 .39%
43)	CI20	Chlorobenzene-D5	7.16	117	615529	125.00	ng		
62)	CI30	1,4-Dichlorobenzene-	9.02	152	323247	125.00	ng		0.00
								93	.10%
30)	CS87	onitoring Compounds Dibromofluoromethane							0.00
Sp:	iked A	mount 125.000 Ra	nge 70	- 130	Recove	ery =	115.	.13%	
31)	CS15	1.2-Dichloroethane-D	4.61	65	220987	155.93	ng		0.00
Sp.	iked A	Amount 125.000 Ra Toluene-D8 Amount 125.000 Ra	nae 73	- 136	Recove	ery =	124.	. 74%	
44)	CS05	Toluene-D8	6.05	98	762419	129.58			0.00
Sp.	iked A	mount 125,000 Ra	nge 77	- 122	Recove		103.		
611	CS10	p-Bromofluorobenzene	8.08	174	218139				0.00
Sp	iked A	Amount 125.000 Ra				ery =	97.	. 92%	
		ompounds			0.1.0.5.0	110.54			lue
2)	C290	Dichlorodifluorometh	1.25	85	91852		ng		99
3)	C010	Chloromethane Vinyl chloride Bromomethane	1.41		193112	153.06	ng		96
4)	C020	Vin y l chloride	1.49	62	168276	100.07	119		
5)	C015	Bromomethane	1.75	94	37185	102.23			94
6)	C025			64	40161 181721	207.74	ng		96
	C275	Trichlorofluorometha	2.08	101	181721	141.97	ng		100
	C045	1,1-Dichloroethene	2.55	96	101229	131.59	ng	#	74
	C030	Methylene chloride	2.97		162593			#	76
	C040	Carbon disulfide	2.72	76	339212	120.33	na		
	C036	Acrolein	2 47	56	439927	120.33 2635.61	na		99 100
	C038	Acrolein Acrylonitrile	3 18	53	1388494	2981.94	na		96
	C035	Acrylonitrile Acetone Acetonitrile Iodomethane	2 62	43	196994	632.44			96
		Acetone	2.02	43	004455				99
	C300	Acetonitrile	2.84	41	931177 100130				92
	C276	lodomethane	2.67	142	100130 92988	90.45			
	C291	1,1,2 Trichloro-1,2,						ш	93
•	C962	T-butyl Methyl Ether	3.23	73	358172	124.00		#	85
	C057	trans-1,2-Dichloroet Methyl Acetate	3.20	96 43	150092	136.26	ng	#	83
	C255	Methyl Acetate	2.91	43	18/548	146.63	ng	#	89
	C050	1,1-Dichloroethane	3.54		313906				96
	C125	Vin y l Acetate		43	1364277	670.21			95
	C051	2,2-Dichloropropane		77	131589				93
23)	C056	cis-1,2-Dichloroethe		96	165391	137.78			92
24)	C272	Tetrahydrofuran	4.23	42	244980	725.90			95
25)	C222	Bromochloromethane	4.18	128	76505	142.25	ng	#	82
26)	C060	Chloroform	4.24	83	270212	146.11	ng		97
27)	C115	1,1,1-Trichloroethan	4.38	97	218389	138.67	ng		93
•	C120	Carbon tetrachloride		117	185433	144.31			93
	C116	1,1-Dichloropropene	4.51	75	212882	138.56	ng		99
	C165	Benzene	4.66	78	661294	137.38			100
33)	C065	1,2-Dichloroethane	4.67	62	227149	155.58	-		93
	C110	2-Butanone	4.02	43	363962	724.43		#	90
	C256	Cyclohexane	4.43	56	324160	130.82		#	90
	C150	Trichloroethene	5.14	95	155300	137.61		**	94
37)	C140	1,2-Dichloropropane	5.30	63	186464	144.59	_		95
38)	C278	Dibromomethane	5.39	93	85257	144.17		#	86
507	02/0	2 1 2 2 3 mome chanc	3.37	20	00207	/	9	"	N

Data File : D:\MSDCHEM\S\DATA\101106\S7519.D
Acq On : 11 Oct 2006 20:26
Sample : A6B58601MS DF4 FOAMS
Misc : Vial: 25 Operator: LH Inst : HP5973S

Multiplr: 1.00

MS Integration Params: RTEINT.P Ouant Time: Oct 11 20:45:07 2006 Results File: A6I0001...0 E1.RES

Quant Method: D:\MSDCHEM\S.....1998ASP8260 E1.M (RTE Integrator)

: 8260 5ML WATER Title

Last Update: Wed Oct 11 12:01:01 2006
Response via: Initial Calibration
DataAcq Meth: VOA

IS QA File : D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36)

Int	ernal	Standards	R.T.	QIon	Response	Conc Units		Min) Ar)
391	C130	Bromodichloromethane	5.51	83	190958	144.70 ng		94
	C161	2-Chloroethylvinyl	5.84	63	1102	N.D.		
41)			5.30	83	267660	117.65 ng	#	86
42)		cis-1,3-Dichloroprop	5.84	75	225771	126.18 ng		81
	C230	Toluene	6.10	92	431176	123.04 ng		92
	C170	trans-1,3-Dichloropr	6.26	75	196669	117.12 ng		99
	C284	Ethyl Methacrylate	6.33	69	174390	115.13 ng	#	69
48)	C160	1,1,2-Trichloroethan	6.40	83	109007	130.83 ng		96
49)	C210	4-Methyl-2-pentanone	5.96	43	778634	685.75 ng	#	91
50)	C220	Tetrachloroethene	6.52	166	154930	118.50 ng		91
51)	C221	1,3-Dichloropropane	6.52	76	247347	131.80 ng		85
52)	C155	Dibromochloromethane	6.70	129	131893	134.91 ng		93
53)	C163	1,2-Dibromoethane	6.78	107	131407	130.22 ng		98
54)	C215	2-H ex anone	6.58	43	535451	683.76 ng		91
55)	C235	Chlorobenzene	7.17	112	466554	127.72 ng		99
56)	C281	1,1,1,2-Tetrachloroe		131	143398	128.42 ng		98
57)	C240	Ethylbenzene	7.27	91	825980	125.99 ng		100
58)	C246	m,p-Xylene	7.36	106	643648	251.90 ng		98
59)	C247	o-Xylene	7.67	106	311675	126.35 ng		97
60)	C245	Styrene	7.67	104	534116	126.21 ng		95
63)	C180	Bromoform	7.82	173	71840	113.39 ng		95
64)	C966	Isopropylbenzene	7.97	105	818081	118.17 ng		98
65)	C301	Bromobenzene	8.20	156	179155	117.71 ng	#	75
66)		1,1,2,2-Tetrachloroe	8.18	83	166344	127.74 ng		97
67)	C282	1,2,3-Trichloropropa	8.22	110	54482	131.30 ng		100
68)		t-1,4-Dichloro-2-But	8.23	53	264365	592.66 ng		94
69)	C302	n-Propylbenzene	8.29	91	975986	118.51 ng		99
70)	C303	2-Chlorotoluene	8.36	126	184675	117.27 ng		100
71)		4-Chlorotoluene	8.45	126	191327	119.15 ng		100 98
72)	C304	1,3,5-Trimethylbenze	8.43	105	682979	119.97 ng		
	C306	tert-Butylbenzene	8.70	134	146328	112.70 ng		100 100
74)	C307	1,2,4-Trimethylbenze	8.74	105	685827	121.15 ng		98
75)		sec-Butylbenzene	8.88	105	816980	112.50 ng		90 97
76)	C260	1,3-Dichlorobenzene	8.97	146	346582	116.57 ng		98
77)	C309	4-Isopropyltoluene	9.00	119	722705	112.74 ng		95
	C267	1,4-Dichlorobenzene	9.04	146	344442	115.41 ng 120.13 ng		94
79)		1,2-Dichlorobenzene	9.34	146	323472	120.13 ng 112.97 ng		98
80)		n-Butylbenzene	9.33	91 75	620095 23174	112.97 ng	#	85
	C286	1,2-Dibromo-3-Chloro	9.97	7.5	143989	105.34 ng	π	95
82)		1,2,4-Trichlorobenze	10.67	180 225	69428	85.84 ng		97
83)		Hexachlorobutadiene	10.82		305316	111.13 ng		100
84)	C314 C934	Naphthalene 1,2,3-Trichlorobenze	10.87	180	118392	97.91 ng		100
03)		1, 2, 3-111Chiolobenze		-				

^{(#) =} qualifier out of range (m) = manual integration (+) = signals summed

		GW-3
Contract:		
e No.: SAS No.:	SDG No.:	
ATER	Lab Sample ID:	A6B58601SD
<u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	S7520.RR
<u>W</u>	Date Samp/Recv:	10/05/2006 10/05/2006
Heated Purge: N	Date Analyzed:	10/11/2006
ID: <u>0.53</u> (mm)	Dilution Factor:	4.00
(uL)	Soil Aliquot Volu	me: (uL)
COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>L</u>	IG/L Q
-Bromomethane -Vinyl chloride -Chloroethane -Methylene chloride -Acetone -Carbon Disulfide -1,1-Dichloroethane -1,1-Dichloroethane -1,2-Dichloroethane -2-Butanone -1,1,1-Trichloroethane -Carbon Tetrachloride -Bromodichloromethane -1,2-Dichloropropane -cis-1,3-Dichloropropene -Trichloroethene -Dibromochloromethane -1,1,2-Trichloroethane -1,1,2-Trichloroethane -Benzene -trans-1,3-Dichloropropene -trans-1,3-Dichloropropene -Bromoform -4-Methyl-2-pentanone -2-Hexanone -Tetrachloroethene -Toluene -1,1,2,2-Tetrachloroethane -Chlorobenzene -Ethylbenzene -Styrene -Total Xylenes		20 86 100 120 190 96 100 110 110 110 110 110 110 11
	MER 5.00 (g/mL) ML W Heated Purge: N ID: _0.53 (mm) (uL) COMPOUND Chloromethane Bromomethane Vinyl chloride Chloroethane Methylene chloride Carbon Disulfide 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane 1,2-Dichloromethane 1,2-Dichloromethane 1,2-Dichloromethane 1,2-Dichloromethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,1,2-Trichloroethane Date Samp/Recv: Meated Purge: N Date Analyzed: ID: _0.53 (mm) Dilution Factor:	

rah Mama	COTT D. FF. 1	Control of		GW-3		
LaD Name	: SIL BULLAR	Contract:				
Lab Code	: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	·		
Matrix:	(soil/water)	<u>WATER</u>	Lab Sample ID:	: A6B58601	SD	
Sample w	t/vol:	<u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	S7520.RR		
Level:	(low/med)	TOM	Date Samp/Reco	v: <u>10/05/20</u>	<u>06 10/</u>	05/2006
% Moistu	re: not dec.	Heated Purge: N	Date Analyzed	: 10/11/200	<u>06</u>	
3C Colum	n: <u>DB-624</u>	ID: <u>0.53</u> (mm)	Dilution Facto	or: <u>4.00</u>		
Soil Ext	ract Volume:	(uL)	Soil Aliquot V	Volume:	(uL)
	CAS NO.	COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)		Q	
						-
	156-60-5 1634-04-4 156-59-2 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8	1,1,2-Trichloro-1,2,2-triflutrans-1,2-DichloroetheneMethyl-t-Butyl Ether (MIBE)cis-1,2-DichloroetheneCyclohexaneMethylcyclohexane1,2-Dibromoethane1,2-Dibromoethane1,3-Dichlorobenzene1,4-Dichlorobenzene1,2-Dibromo-3-chloropropane1,2-Dibromo-3-chloropropane		98 100 99 110 100 92 100 92 92 92 95 96		

(Not Reviewed) 238/246 Quantitation Report STL Buffalo

Multiplr: 1.00

Data File : D:\MSDCHEM\S\DATA\101106\S7520.D

Vial: 26 Acq On : 11 Oct 2006 20:50 Operator: LH : A6B58601SD DF4 FOAMS Inst : HP5973S Sample

Misc

MS Integration Params: RTEINT.P

Results File: A6I0001...0 E1.RES Quant Time: Oct 11 21:06:55 2006

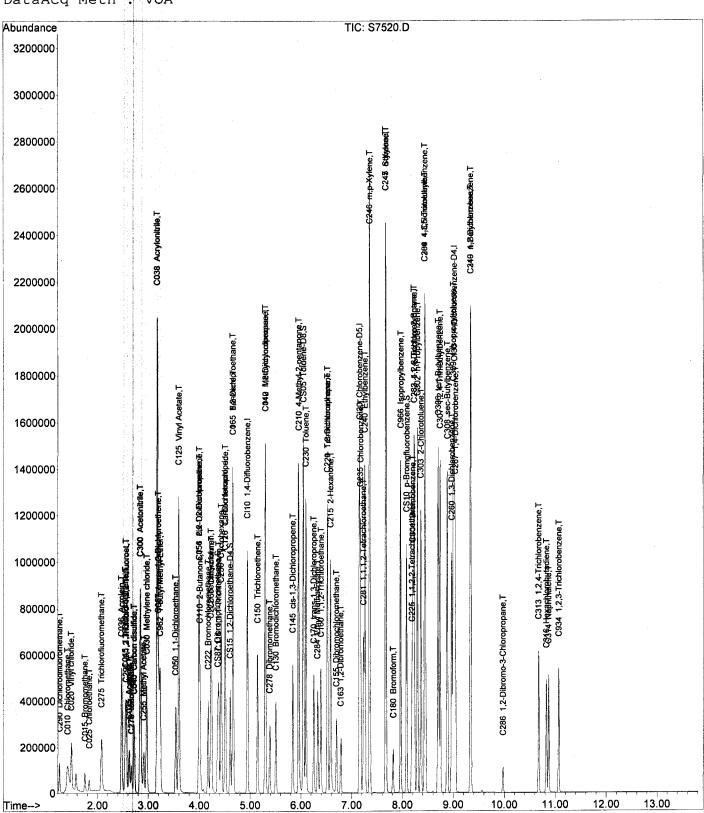
D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator) Quant Method :

Title 8260 5ML WATER

Wed Oct 11 12:01:01 2006 Last Update :

Response via : Initial Calibration

DataAcq Meth VOA



Quantitation Report STL Buffalo (Not Reviewed) 239/246

Data File : D:\MSDCHEM\S\DATA\101106\S7520.D
Acq On : 11 Oct 2006 20:50
Sample : A6B58601SD DF4 FOAMS Vial: 26 Operator: LH Inst : HP5973S Multiplr: 1.00

Misc MS Integration Params: RTEINT.P

Results File: A6I0001...0 E1.RES Ouant Time: Oct 11 21:06:55 2006

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\101106\ \C\Data\101106\C7406 D /11 Oat 2006 9.361

IS QF	A File	: D:\MSDChem\S\Data\	101106	5\s7496	5.D (11 Oc	t 2006	9:3	6)
Inte	ernal	Standards			Response			
1)	CI10	1,4-Difluorobenzene					ng	0.00 90.31%
43)	CI20	Chlorobenzene-D5	7.16	117	630216	125.00		
62)	CI30	1,4-Dichlorobenzene-	9.02	152	323760	125.00	ng	0.00 93.24%
30) Spi 31) Spi 44) Spi 61)	CS87 ked A CS15 ked A CS05 ked A	nitoring Compounds Dibromofluoromethane Amount 125.000 Rang 1,2-Dichloroethane-D Amount 125.000 Rang Toluene-D8 Amount 125.000 Rang p-Bromofluorobenzene Amount 125.000 Rang	ge 70 4.61 ge 73 6.05 ge 77 8.08	- 130 65 - 136 98 - 122 174	Recove 215216 Recove 754031 Recove 214656	150.32 ery = 125.17 ery =	113.3 ng 120.3 ng 100.	83% 0.00 26% 0.00 14% 0.00
Taro	ret Co	ompounds						Qvalue
2) 3) 4) 5) 6) 7)	C290	Dichlorodifluorometh Chloromethane Vinyl chloride Bromomethane Chloroethane Trichlorofluorometha 1,1-Dichloroethene Methylene chloride	1.41 1.49 1.75 1.84	50 62 94 64	90171 192630 166445 39452 38389 178621 100318	151.06 130.28	ng ng ng ng ng	93 100 98 # 74
9) 10) 11) 12) 13) 14) 15)	C030 C040 C036 C038 C035 C300 C276	Methylene chloride Carbon disulfide Acrolein Acrylonitrile Acetone Acetonitrile Iodomethane 1,1,2 Trichloro-1,2,	2.72 2.47 3.18 2.62 2.84	76 56 53 43 41	341738 431369 1377738 193326 908537 120002	146.15 120.00 2558.09 2928.78 614.35 5824.38 103.76	ng ng ng ng ng	# 78 98 100 95 92 98 97 93
17) 18)	C291 C962 C057	T-butyl Methyl Ether trans-1,2-Dichloroet	3.23 3.20	73 96	361159 147177	122.06 123.76 132.26	ng ng	# 85 # 83
20) 21)	C255 C050 C125 C051	Methyl Acetate 1,1-Dichloroethane Vinyl Acetate 2,2-Dichloropropane		43 63 43 77	187969 305987 1393453 133608	145.46 138.70 677.59 89.88	ng ng	# 90 97 95 92
23) 24)	C056 C272 C222	cis-1,2-Dichloroethe Tetrahydrofuran Bromochloromethane	3.99 4.22 4.17	96 42 128	164179 240812 75514	135.38 706.30 138.98	ng ng	# 88 96 # 82
26) 27) 28)	C060 C115 C120 C116	Chloroform 1,1,1-Trichloroethan Carbon tetrachloride 1,1-Dichloropropene	4.24 4.38 4.52 4.51	83 97 117 75	263287 216419 181244 206457	140.92 136.02 139.61 133.01	ng ng ng	99 94 96 99
32) 33) 34) 35) 36) 37)	C165 C065 C110 C256 C150 C140 C278	Benzene 1,2-Dichloroethane 2-Butanone Cyclohexane Trichloroethene 1,2-Dichloropropane Dibromomethane	4.66 4.66 4.02 4.43 5.14 5.30 5.39	78 62 43 56 95 63 93	654016 226161 356391 321222 154558 185636 85016	134.49 153.33 702.15 128.32 135.56 142.49 142.30	ng ng ng ng ng ng	99 90 92 # 91 92 94 89
510001	L998AS	SP82 60 E1.M Wed Oct 11 2	21:06:5	56 2006	5 HP5973S			Page: 1

Data File : D:\MSDCHEM\S\DATA\101106\S7520.D
Acq On : 11 Oct 2006 20:50
Sample : A6B58601SD DF4 FOAMS Vial: 26

Operator: LH Inst : HP5973S Multiplr: 1.00 Misc

MS Integration Params: RTEINT.P Results File: A6I0001...0 E1.RES Quant Time: Oct 11 21:06:55 2006

Quant Method: D:\MSDCHEM\S.....1998ASP8260_E1.M (RTE Integrator)

Title : 8260 5ML WATER
Last Update : Wed Oct 11 12:01:01 2006
Response via : Initial Calibration

DataAcq Meth : VOA

D:\MSDChem\S\Data\101106\S7496.D (11 Oct 2006 9:36) IS QA File

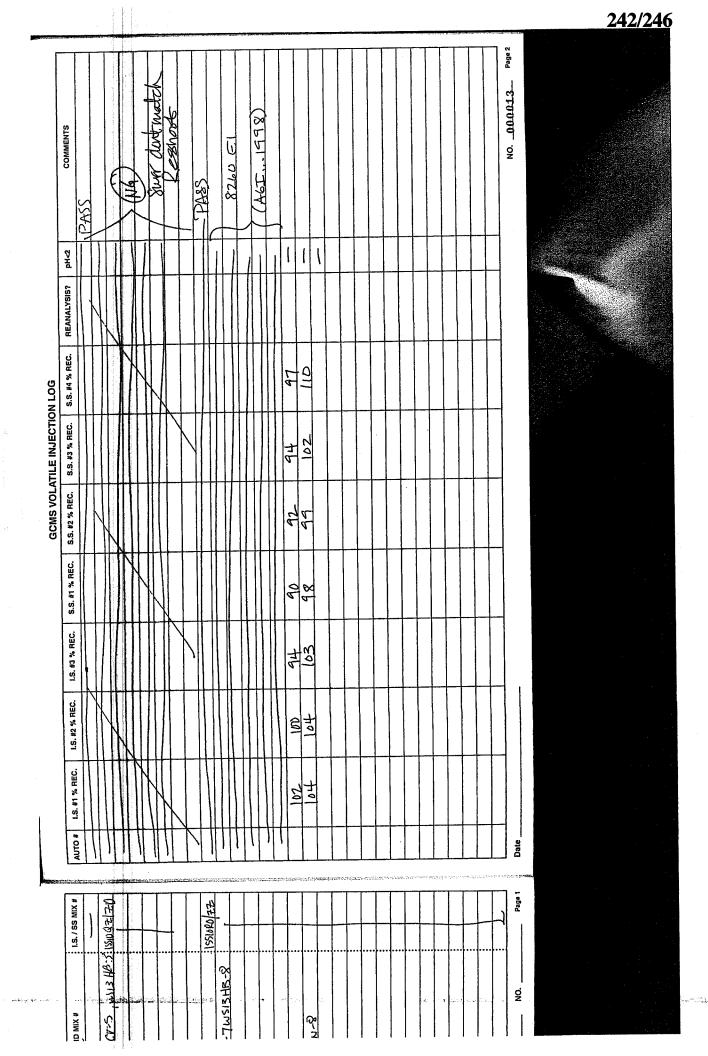
Int	ernal	Standards	R.T.	QIon	Response	Conc Units		(Min) (Ar)
391	C130	Bromodichloromethane	5.51	83	190888	143.18 ng		97
	C161	2-Chloroethylvinyl	5.84	63	1328	N.D.		
	C012	Methylcycolhexane	5.30	83	264043	114.88 ng	#	84
	C145	cis-1,3-Dichloroprop	5.84	75	231130	127.86 ng		80
	C230	Toluene	6.10	92	421707	117.53 ng		93
	C170	trans-1,3-Dichloropr	6.26	75	201884	117.43 ng		99
	C284	Ethyl Methacrylate	6.33	69	179712	115.88 ng	#	69
	C160	1,1,2-Trichloroethan	6.40	83	111928	131.21 ng		98
49)		4-Methyl-2-pentanone	5.96	43	768716	661.23 ng	#	90
	C220	Tetrachloroethene	6.52	166	151391	113.09 ng		93
	C221	1,3-Dichloropropane	6.52	76	247685	128.90 ng		85
	C155	Dibromochloromethane	6.70	129	131124	131.00 ng		94
53)	C163	1,2-Dibromoethane	6.78	107	132309	128.06 ng		99
54)	C215	2-H ex anone	6.58	43	524201	653.79 ng		90
55)	C235	Chlorobenzene	7.17	112	455393	121.76 ng		97
56)	C281	1,1,1,2-Tetrachloroe	7.24	131	142376	124.53 ng		97
57)	C240	Ethylbenzene	7.27	91	817230	121.75 ng		100
58)	C246	m,p-Xylene	7.36	106	634328	242.47 ng		98
	C247	o-Xylene	7.67	106	306687	121.43 ng		98
60)	C245	Styrene	7.67	104	527857	121.83 ng		96
63)		Bromoform	7.82	173	71196	112.25 ng		94
	C966	Isopropylbenzene	7.97	105	796417	114.86 ng		98
	C301	Bromobenzene	8.20	156	177297	116.31 ng	#	78
	C225	1,1,2,2-Tetrachloroe		83	165627	126.98 ng		98
67)	C282	1,2,3-Trichloropropa	8.22	110	55802	134.27 ng		100
	C283	t-1,4-Dichloro-2-But	8.23	53	261967	586.36 ng		95
	C302	n-Propylbenzene	8.29	91	953027	115.54 ng		100
	C303	2-Chlorotoluene	8.36	126	182452	115.67 ng		100
	C289	4-Chlorotoluene	8.45	126	187623	116.66 ng		100
	C304	1,3,5-Trimethylbenze	8.43	105	672095	117.87 ng		97
	C306	tert-Butylbenzene	8.70	134	143241	110.14 ng		100
•	C307	1,2,4-Trimethylbenze	8.74	105	673519	118.79 ng		99
	C308	sec-Butylbenzene	8.88	105	808267	111.12 ng		98
	C260	1,3-Dichlorobenzene	8.97	146	340646	114.39 ng		98
	C309	4-Isopropyltoluene	9.00	119	713409	111.11 ng		98
	C267	1,4-Dichlorobenzene	9.04	146	343676	114.97 ng		97 96
79)		1,2-Dichlorobenzene	9.34	146	321334	119.14 ng		98
80)		n-Butylbenzene	9.33	91	609980	110.95 ng		96 84
	C286	1,2-Dibromo-3-Chloro	9.97	75 180	23540	119.95 ng 108.83 ng		95
82)		1,2,4-Trichlorobenze	10.67	180 225	148999 68404	84.44 ng		95 96
	C316 C314	Hexachlorobutadiene	10.82	128	325413	118.26 ng		100
	C314	Naphthalene		180	128425	106.04 ng		98
00)		1,2,3-Trichlorobenze	11.07	100	120423			

^{(#) =} qualifier out of range (m) = manual integration (+) = signals summed

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	COMMENTS						13/85	01,11/4 1990 (S) 11 /AT 1990 1082)	(42) (18) 840 (185m) (18/2) CH																						NO
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	COMMENTS			104.5 J	PLEL 1998 (SUDOSMYKET 1998KEP(BOLD PRE)																NO000043
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N LOG	S.S. #4 % REC.	36	5																		
GCMS VOLATILE INJECTION LOG	S.S. #3 % REC.	7,01	901																		
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