UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

August 26, 2010

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

FROM: for M. Elfeky Marvelyn Humphrey, ESAT Regional Project Officer
Environmental Services Branch (6MD-H)

TO: Vincent Malott, Superfund Project Manager (6SF-RA)

Site : GRIGGS AND WALNUT GROUND WATER PLUME

Case#: 40415

SDG#: F3L05

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative.

If you have any questions regarding the data review report, please contact me at (281) 983-2140.

625266

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: August 26, 2010

TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA

FROM: Tseng-Ying Fan, Data Reviewer, ESAT JF

THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT DGJ BY JF

SUBJECT: CLP Data Review

Contract No.:	EP-W-06-030
TO No.:	018
Task/Sub-Task:	2-11
ESAT Doc. No.:	9018-211-0065
TDF No.:	6-10-101A
ESAT File No.:	O-0564

Attached is the data review summary for Case # 40415
SDG # F3L05
Site Griggs & Walnut Ground Water Plume

COMMENTS:

I. LEVEL OF DATA REVIEW

Standard Review was performed for this data package.

II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

The CCS and hardcopy review found the data package contractually compliant.

III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of sample results reviewed for this data package was 1,020. Some results were qualified because of the following significant technical problem.

Fifteen samples had up to two DMC recoveries below the QC limits.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099
ORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	40415	SITE	Griggs & Walnut Ground Water Plume
LABORATORY	A4	NO. OF SAMPLES	20
CONTRACT#	EP-W-05-036	MATRIX	19 Water/1 PE
SDG#	F3L05	REVIEWER (IF NOT ESB)	ESAT
SOW#	SOM01.2	REVIEWER'S NAME	T. Fan
SF#	302DD2CHZ	COMPLETION DATE	August 26, 2010

SAMPLE NO.					
	F3KC4	F3KC8	F3KE3	F3KE7	F3KF3
	F3KC5	F3KC9	F3KE4	F3KE8	F3KF4
	F3KC6	F3KD0	F3KE5	F3KE9	F3KF5
	F3KC7	F3KE2	F3KE6	F3KF0	F3L05

DATA ASSESSMENT SUMMARY

		TVOA
1.	HOLDING TIMES	O
2.	GC/MS TUNE/INSTR. PERFORM.	O
3.	CALIBRATIONS	O
4.	BLANKS	O
5.	DMC/SURROGATES	M
6.	MATRIX SPIKE/DUPLICATE/LCS	O
7.	OTHER QC	O
8.	INTERNAL STANDARDS	O
9.	COMPOUND ID/QUANTITATION	O
10.	PERFORMANCE/COMPLETENESS	O
11.	OVERALL ASSESSMENT	M

O = Data had no problems.
M = Data qualified because of major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

ACTION ITEMS:

AREA OF CONCERN: Fifteen samples had up to two DMC recoveries below the QC limits.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 40415 **SDG** F3L05 **SITE** Griggs & Walnut Ground Water Plume **LAB** A4

COMMENTS: This SDG consisted of 1 PE and 19 water samples for Trace VOA analysis following CLP SOW SOM01.2. According to the OTR/COC Records, sample F3KE7 was the laboratory QC sample and sample F3L05 was the PE sample.

Standard data review was performed for this package as requested by the Region. The target compounds of concern were cis/trans-1,2-dichloroethenes, trichloroethene, and tetrachloroethene; all had a user's desired DL of 0.5 ug/L. All samples met the user's desired DL criteria for the compounds of concern. The only compound of concern reported at concentrations over the desired DL was tetrachloroethene in 16 field samples. Fifteen samples had low DMC recoveries.

According to the PES Scoring Evaluation Report, PE sample F3L05 had action high results for four compounds, but the field sample data usability was not affected. The reviewer did not qualify the PE sample results for any laboratory QC problem because the PE sample is a QC sample.

Some results were qualified for 15 samples because of a DMC performance problem. ESAT's final data qualifiers in the DST indicate the technical usability of all reported results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist.

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

Acceptable = No results were qualified for any problem associated with this QC parameter.
Provisional = Some results were qualified because of problems associated with this QC parameter.
Unusable = All results are unusable because of major problems associated with this QC parameter.

1. **Holding Times:** Acceptable. The samples were analyzed within the contractual and technical holding time limits. The pH values reported by the laboratory indicated that the samples were preserved with acid.

Note: Polymerization of vinyl chloride and styrene is likely to occur in acid-preserved samples and could cause low-biased results for these two compounds.

2. **Tuning/Performance:** Acceptable. The BFB analyses met GC/MS tuning criteria.

3. Calibrations: Acceptable. The target analytes met contractual calibration criteria. Bromomethane and 1,2,3-trichlorobenzene failed the technical %RSD criteria for the IC, but result qualification was not required because these analytes were not detected in the associated samples.

4. Blanks: Acceptable. The method, instrument, and storage blanks met contractual requirements and were free of target compounds.

Trip Blanks: Samples F3KF7, F3KF8, and F3KF9 were trip blanks that were associated with Case 40415 and reported with SDG F3L04. Since all samples for the case were hand-delivered to the laboratory, there was no Airbill information for the reviewer to associate the samples with the trip blanks, nor could the reviewer evaluate the sample results for shipping contamination. Trip blank samples F3KF7 and F3KF8 contained acetone and/or toluene at concentrations below the CRQL's. For those samples associated with these two trip blanks, the reported acetone and toluene concentrations may be due to shipping contamination in the reviewer's opinion.

5. Deuterated Monitoring Compounds (DMC's)/Surrogates: Provisional. The DMC performance was contractually compliant although all field samples had some outlying DMC recoveries. The high DMC recoveries did not impact the data usability because associated analytes were not detected in the samples. Because of low DMC recoveries, the reviewer qualified as estimated and biased low the results associated with VDMC6 for samples F3KC4, F3KC6, F3KC9, F3KD0, and F3KE8 and those associated with VDMC13 for samples F3KC4, F3KC5, F3KC6, F3KC7, F3KC8, F3KC9, F3KD0, F3KE4, F3KE6, F3KE8, F3KE9, F3KF0, F3KF3, F3KF4, and F3KF5.

6. Matrix Spike/Matrix Spike Duplicate/Laboratory Control Sample (MS/MSD/LCS): Acceptable. The MS and/or MSD recoveries exceeded the QC limits for all spike compounds. Since none of the spike compounds was detected in the native sample, data qualification was not required. The RPD's for all spike compounds were with QC limits, demonstrating acceptable analysis precision.

7. Other QC:

PE Sample: Acceptable. According to the PES Scoring Evaluation Report, results for PE sample F3L05 were acceptable except for action-high results for dibromochloromethane, 1,2-dibromoethane, bromoform, and 1,2-dibromo-3-chloropropane. Since none of these compounds was detected in the field samples, no action was required. The PE Scoring Evaluation Report also reported 1,3-dichlorobenzene as a contaminant for the PE sample. However, the reviewer verified that this 1,3-dichlorobenzene result was a false positive, which was caused by an isolated incidence of identification error made by the analyst that was not detected in other samples.

8. Internal Standards (IS): Acceptable. IS performance was acceptable for all analyses.

9. Compound Identity (ID)/Quantitation: Acceptable. Target compounds reported at concentrations above the CRQL's were acetone, methylene chloride, and/or tetrachloroethene in all field samples. The PE sample required dilution and reanalysis because of high target compound concentrations. No compound ID or quantitation problem was detected except for the misidentification of 1,3-dichlobenzene for the PE sample, which was discussed in Sec. 7 above.

10. Performance/Completeness: Acceptable. The data package was complete. The laboratory originally reported an incorrect sample ID for the PE sample and omitted the PDF file of the hardcopy package. A laboratory resubmission in response to Region 6 was received that corrected these problems. The resubmitted data pages have been used to replace the erroneous ones. However, please note that the PDF file submitted by the laboratory still contains incorrect sample ID for the PE sample because it is a scanned file of the original data package. The laboratory was contacted for a CSF issue that did not impact the DST (see Resubmission Request). The DST included in this report is the final version.

11. Overall Assessment: Data are acceptable for samples F3KE2, F3KE3, F3KE5, F3KE7, and F3L05. Some results were qualified for the rest of the samples because of a DMC performance problem.

ORGANIC ACRONYMS

%D	Percent Difference
%RSD	Percent Relative Standard Deviation
ARO	Aroclors
BFB	4-Bromofluorobenzene
BNA	Base/Neutral and Acid
CADRE	Computer-Aided Data Review and Evaluation
CCS	Contract Compliance Screening
CCV	Continuing Calibration Verification
CF	Calibration Factor
CRQL	Contract Required Quantitation Limit
CSF	Complete SDG File
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenylphosphine
DMC	Deuterated Monitoring Compound
DST	Data Summary Table
GC/ECD	Gas Chromatograph/Electron Capture Detector
GC/MS	Gas Chromatograph/Mass Spectrometer
GPC	Gel Permeation Chromatography
IC	Initial Calibration
INDA(B,C)	Individual Standard Mixture A(or B or C)
IS	Internal Standard
LCS	Laboratory Control Sample
LMVOA	Low/Medium Volatile Organic Analysis
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NFG	National Functional Guidelines
OTR/COC	Organic Traffic Report/Chain of Custody
PAH	Polynuclear Aromatic Hydrocarbon
PE	Performance Evaluation
PEM	Performance Evaluation Mixture
PEST	Pesticides
QA	Quality Assurance
QC	Quality Control
QL	Quantitation Limit
RIC	Reconstructed Ion Chromatogram
RPD	Relative Percent Difference
RRF	Relative Response Factor
RRT	Relative Retention Time
RSCC	Regional Sample Control Center
RT	Retention Time
SDG	Sample Delivery Group
SDMC	Semivolatile Deuterated Monitoring Compound
SIM	Selected Ion Monitoring
SMO	Sample Management Office
SOW	Statement of Work
SQL	Sample Quantitation Limit
SVOA	Semivolatile Organic Analysis
TCL	Target Compound List
TCX	Tetrachloro-m-xylene
TIC	Tentatively Identified Compound
TVOA	Trace Volatile Organic Analysis
VDMC	Volatile Deuterated Monitoring Compound
VOA	Volatile Organic Analysis

HEADER DEFINITIONS FOR ORGANIC EXCEL DST

CASE:	Case Number
SDG:	SDG Number
EPASAMP:	EPA Sample Number
LABID:	Laboratory File/Sample ID
MATRIX:	Sample Matrix
ANDATE:	Sample Analysis Date
ANTIME:	Sample Analysis Time
CASNUM:	Compound CAS Number
ANALYTE:	Compound Name
CONC:	Compound Concentration
VALDQAL:	Region 6 Organic Data Validation Qualifier (see Organic Data Qualifier Definitions on the next page)
UNITS:	Concentration Units
ADJCRQL:	Adjusted Contract Required Quantitation Limit Value
SMPDATE:	Sampling Date
STATLOC:	Station Location

Disclaimer: ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, VALDQAL, and ADJCRQL. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

U Not detected at reported quantitation limit.

N Identification is tentative.

J Estimated value.

L Reported concentration is below the CRQL.

M Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.

R Unusable.

$\wedge$ High biased. Actual concentration may be lower than the concentration reported.

$\vee$ Low biased. Actual concentration may be higher than the concentration reported.

F+ A false positive exists.

F- A false negative exists.

UJ Estimated quantitation limit.

T Identification is questionable because of absence of other commonly coexisting pesticides.

C Identification of pesticide or aroclor has been confirmed by Gas Chromatography/Mass Spectrometer (GC/MS).

X Identification of pesticide or aroclor could not be confirmed by GC/MS when attempted.

***** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.

CASE	SDG	EPASAMP	LABID	MATRIX	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	STATLOC
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-69-4	Trichlorofluoromethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	67-64-1	Acetone	11		ug/L	5.0	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	79-20-9	Methyl acetate	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-09-2	Methylene chloride	0.87	Jv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	1634-04-4	Methyl tert-butyl ether	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	71-55-6	1,1,1-Trichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	56-23-5	Carbon tetrachloride	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	107-06-2	1,2-Dichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	108-88-3	Toluene	0.19	LJ	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	127-18-4	Tetrachloroethene	3.8		ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	106-93-4	1,2-Dibromoethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127

40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	67-64-1	Acetone	9.0		ug/L	5.0	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-09-2	Methylene chloride	0.97		ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	108-88-3	Toluene	0.19	LJ	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	127-18-4	Tetrachloroethene	3.5		ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-69-4	Trichlorofluoromethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	67-64-1	Acetone	6.8		ug/L	5.0	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132

40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	79-20-9	Methyl acetate	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-09-2	Methylene chloride	0.96	Jv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	1634-04-4	Methyl tert-butyl ether	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	71-55-6	1,1,1-Trichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	56-23-5	Carbon tetrachloride	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	107-06-2	1,2-Dichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	108-88-3	Toluene	0.20	LJ	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	127-18-4	Tetrachloroethene	3.6		ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	106-93-4	1,2-Dibromoethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	67-64-1	Acetone	6.6		ug/L	5.0	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-09-2	Methylene chloride	0.90		ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137

40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	108-88-3	Toluene	0.19	LJ	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	127-18-4	Tetrachloroethene	3.0		ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	67-64-1	Acetone	6.0		ug/L	5.0	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-09-2	Methylene chloride	0.85		ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D

40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	108-88-3	Toluene	0.18	LJ	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	127-18-4	Tetrachloroethene	3.2		ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-69-4	Trichlorofluoromethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	67-64-1	Acetone	7.2		ug/L	5.0	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	79-20-9	Methyl acetate	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-09-2	Methylene chloride	1.0	Jv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	1634-04-4	Methyl tert-butyl ether	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	71-55-6	1,1,1-Trichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	56-23-5	Carbon tetrachloride	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	107-06-2	1,2-Dichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142

40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	108-88-3	Toluene	0.23	LJ	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	127-18-4	Tetrachloroethene	2.9		ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	106-93-4	1,2-Dibromoethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-69-4	Trichlorofluoromethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	67-64-1	Acetone	7.0		ug/L	5.0	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	79-20-9	Methyl acetate	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-09-2	Methylene chloride	0.99	Jv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	1634-04-4	Methyl tert-butyl ether	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	71-55-6	1,1,1-Trichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	56-23-5	Carbon tetrachloride	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	107-06-2	1,2-Dichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	127-18-4	Tetrachloroethene	2.6		ug/L	0.50	08/10/2010	NGMW-01-147

40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	106-93-4	1,2-Dibromoethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	67-64-1	Acetone	25		ug/L	5.0	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	78-93-3	2-Butanone	1.9	LJ	ug/L	5.0	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	127-18-4	Tetrachloroethene	1.5		ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157

40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	67-64-1	Acetone	13		ug/L	5.0	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	78-93-3	2-Butanone	1.5	LJ	ug/L	5.0	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	127-18-4	Tetrachloroethene	1.6		ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162

40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	67-64-1	Acetone	15		ug/L	5.0	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	78-93-3	2-Butanone	1.6	LJ	ug/L	5.0	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	127-18-4	Tetrachloroethene	1.5		ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132

40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	67-64-1	Acetone	12		ug/L	5.0	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	78-93-3	2-Butanone	1.3	LJ	ug/L	5.0	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	127-18-4	Tetrachloroethene	2.7		ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137

40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	67-64-1	Acetone	13		ug/L	5.0	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	78-93-3	2-Butanone	1.6	LJ	ug/L	5.0	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	127-18-4	Tetrachloroethene	2.7		ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	67-64-1	Acetone	11		ug/L	5.0	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142

40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	127-18-4	Tetrachloroethene	2.5		ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-69-4	Trichlorofluoromethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	67-64-1	Acetone	13		ug/L	5.0	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	79-20-9	Methyl acetate	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-09-2	Methylene chloride	0.22	LJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	1634-04-4	Methyl tert-butyl ether	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147

40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	71-55-6	1,1,1-Trichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	56-23-5	Carbon tetrachloride	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	107-06-2	1,2-Dichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	127-18-4	Tetrachloroethene	2.0		ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	106-93-4	1,2-Dibromoethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	67-64-1	Acetone	11		ug/L	5.0	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-09-2	Methylene chloride	0.67		ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152

40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	127-18-4	Tetrachloroethene	1.6		ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	67-64-1	Acetone	9.1		ug/L	5.0	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-09-2	Methylene chloride	0.88		ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	108-88-3	Toluene	0.18	LJ	ug/L	0.50	08/10/2010	NGMW-03-157

40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	127-18-4	Tetrachloroethene	1.9		ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	67-64-1	Acetone	12		ug/L	5.0	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-09-2	Methylene chloride	0.93		ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	127-18-4	Tetrachloroethene	0.16	LJ	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125

40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	67-64-1	Acetone	8.6		ug/L	5.0	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-09-2	Methylene chloride	1.2		ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	127-18-4	Tetrachloroethene	0.13	LJ	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	SF-06-128

40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	67-64-1	Acetone	9.6		ug/L	5.0	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-09-2	Methylene chloride	1.1		ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	127-18-4	Tetrachloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-128 D

40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-71-8	Dichlorodifluoromethane	19		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-01-4	Vinyl chloride	20	*	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-35-4	1,1-Dichloroethene	5.3		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	67-64-1	Acetone	3.8	LJ	ug/L	5.0	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	156-60-5	trans-1,2-Dichloroethene	2.8		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-34-3	1,1-Dichloroethane	2.0		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	67-66-3	Chloroform	8.4		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	71-55-6	1,1,1-Trichloroethane	2.6		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	79-01-6	Trichloroethene	4.2		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	78-87-5	1,2-Dichloropropane	11		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-27-4	Bromodichloromethane	4.2		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	127-18-4	Tetrachloroethene	5.1		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	124-48-1	Dibromochloromethane	16		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	106-93-4	1,2-Dibromoethane	9.2		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	108-90-7	Chlorobenzene	24	*	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-25-2	Bromoform	29	*	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	541-73-1	1,3-Dichlorobenzene	11		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	106-46-7	1,4-Dichlorobenzene	10		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	96-12-8	1,2-Dibromo-3-chloropropane	18		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-71-8	Dichlorodifluoromethane	19	*	ug/L	1.0		
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	74-87-3	Chloromethane	1.0	U *	ug/L	1.0		
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-01-4	Vinyl chloride	19		ug/L	1.0		
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	74-83-9	Bromomethane	1.0	U *	ug/L	1.0		

40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-00-3	Chloroethane	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-69-4	Trichlorofluoromethane	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-35-4	1,1-Dichloroethene	6.4	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	76-13-1	1,1;2-Trichloro-1,2,2-trifluoroethane	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	67-64-1	Acetone	5.0	*	ug/L	10
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-15-0	Carbon Disulfide	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	79-20-9	Methyl acetate	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-09-2	Methylene chloride	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	156-60-5	trans-1,2-Dichloroethene	2.8	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	1634-04-4	Methyl tert-butyl ether	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-34-3	1,1-Dichloroethane	1.9	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	156-59-2	cis-1,2-Dichloroethene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	78-93-3	2-Butanone	10	U *	ug/L	10
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	74-97-5	Bromochloromethane	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	67-66-3	Chloroform	8.2	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	71-55-6	1,1,1-Trichloroethane	2.6	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	110-82-7	Cyclohexane	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	56-23-5	Carbon tetrachloride	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	71-43-2	Benzene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	107-06-2	1,2-Dichloroethane	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	79-01-6	Trichloroethene	4.2	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	108-87-2	Methylcyclohexane	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	78-87-5	1,2-Dichloropropane	10	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-27-4	Bromodichloromethane	3.8	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	10061-01-5	cis-1,3-Dichloropropene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	108-10-1	4-Methyl-2-pentanone	10	U *	ug/L	10
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	108-88-3	Toluene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	10061-02-6	trans-1,3-Dichloropropene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	79-00-5	1,1,2-Trichloroethane	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	127-18-4	Tetrachloroethene	4.9	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	591-78-6	2-Hexanone	10	U *	ug/L	10
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	124-48-1	Dibromochloromethane	14	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	106-93-4	1,2-Dibromoethane	8.5	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	108-90-7	Chlorobenzene	23		ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	100-41-4	Ethylbenzene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	95-47-6	o-Xylene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	179601-23-1	m,p-Xylene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	100-42-5	Styrene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-25-2	Bromoform	25		ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	98-82-8	Isopropylbenzene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	79-34-5	1,1,2,2-Tetrachloroethane	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	541-73-1	1,3-Dichlorobenzene	10	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	106-46-7	1,4-Dichlorobenzene	10	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	95-50-1	1,2-Dichlorobenzene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	96-12-8	1,2-Dibromo-3-chloropropane	15	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	120-82-1	1,2,4-Trichlorobenzene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	87-61-6	1,2,3-Trichlorobenzene	1.0	U *	ug/L	1.0

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 40415 SDG No. F3L05 SDG Nos. To Follow Mod. Ref No. Date Rec 08/18/10

EPA Lab ID: A4

Lab Location: The Woodlands, TX

Region: 6 Audit No.: 40415/F3L05

Re_Submitted CSF? Yes ____ No X

Box No(s): 1

COMMENTS:

Item	Description
7	The Case No. was omitted from one Form DC-1 (p. 543). The auditor corrected this omission.
8	The sample receipt time recorded on the Form DC-1for the PE sample was inconsistent with that recorded on the corresponding shipping documents. The laboratory was contacted for resolution.
	Under Remarks #4 of Form DC-1's on pages 544 and 545, the Sample Custodian circled both "Present" and "Absent" for the Airbill. The auditor crossed out the incorrect "Present" answer on both pages.
18, 18a	The Airbill and the COC Record associated with the PE sample were photocopies, but the location of the originals was not indicated on these copies. The auditor located the originals in the CSF for SDG F3L04.

Over for additional comments.

ORIGINALS	YES	NO	N/A
CUSTODY SEALS			
1. Present on package?	X		
2. Intact upon receipt?	X		
FORM DC-2			
3. Numbering scheme accurate?	X		
4. Are enclosed documents listed?	X		
5. Are listed documents enclosed?	X		
FORM DC-1			
6. Present?	X		
7. Complete?		X	
8. Accurate?		X	
TRAFFIC REPORT /CHAIN-OF-CUSTODY RECORD(s)			
9. Signed?	X		
10. Dated?	X		
AIRBILLS/AIRBILL STICKER			
11. Present?	X		
12. Signed?	X		
13. Dated?	X		
SAMPLE TAGS			
14. Does DC-1 list tags as being included?	X		
15. Present?	X		
OTHER DOCUMENTS			
16. Complete?	X		
17. Legible?	X		
18. Original?		X	
18a. If "NO", does the copy indicate where original documents are located?		X	

Audited by: [signature] Tseng-Ying Fan / ESAT Data Reviewer Date 08/24/10

Audited by: ____ ____ Date ____

Signature Printed Name/Title

DC-2__

In Reference To Case No(s):
40415 SDG: F3L05 (O-0564)

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Resubmission Request

Laboratory Name:	A4
Lab Contact:	Parveen Hasan
Region:	6
Regional Contact:	Mahmoud El-Feky - EPA
ESAT Reviewer:	Tseng-Ying Fan

In reference to data for the fraction(s):

CSF Deliverables

Summary of Questions/Issues:

The PE sample receipt time recorded on the Airbill (p. 516) was inconsistent with that recorded on the associated COC Record (pages 5 & 517) and Form DC-1 (p. 543). Please make the necessary correction and resubmission.

NOTE: Any laboratory resubmission should be submitted either as an addendum to the original CSF with a revised Form DC-2 or submitted as a new CSF with a new Form DC-2 except for replacement pages (SOM01.2, p. B-33, sec. 2.6.3). Custody seals are required for all such shipments.

Please respond to the above items **within 7 days** by e-mail to El-Feky.Mahmoud@epa.gov and by regular mail to:

Mr. Mahmoud El-Feky
U.S. EPA Region 6 Laboratory
10625 Fallstone Road
Houston, TX 77099

If you have any questions, please contact Mr. El-Feky at 281-983-2128.

Distribution: (1) Lab Copy, (2) Region Copy, and (3) ESAT Copy

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 40415 R
DAS No:

Region:	6	Date Shipped:	8/10/2010	Chain of Custody Record	Sampler Signature:
Project Code:	EP-W-06-004	Carrier Name:	EA Engineering	Relinquished By / (Date / Time)	Received By / (Date / Time)
Account Code:		Airbill:		1 8/10/10 1800	Justin Sucheck 8/11/10 9:00
CERCLIS ID:		Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	2 Justin Sucheck 8/11/10 12:45	
Spill ID:				3	
Site Name/State:	Griggs & Walnut Ground Water Plume Sup			4	
Project Leader:	Teresa McMillan				
Action:	Integrated site assessment/site investigation				
Sampling Co:	EA Engineering				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F3KC4	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401600 (HCL), 6-401601 (HCL), 6-401602 (HCL) (3)	NGMW-01-122	S: 8/10/2010 11:35		--
F3KC5	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401603 (HCL), 6-401604 (HCL), 6-401605 (HCL) (3)	NGMW-01-127	S: 8/10/2010 11:40		--
F3KC6	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401606 (HCL), 6-401607 (HCL), 6-401608 (HCL) (3)	NGMW-01-132	S: 8/10/2010 11:45		--
F3KC7	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401609 (HCL), 6-401610 (HCL), 6-401611 (HCL) (3)	NGMW-01-137	S: 8/10/2010 11:55		--
F3KC8	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401612 (HCL), 6-401613 (HCL), 6-401614 (HCL) (3)	NGMW-01-137 D	S: 8/10/2010 12:00		Field Duplicate
F3KC9	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401615 (HCL), 6-401616 (HCL), 6-401617 (HCL) (3)	NGMW-01-142	S: 8/10/2010 12:05		--
F3KD0	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401622 (HCL), 6-401623 (HCL), 6-401624 (HCL) (3)	NGMW-01-147	S: 8/10/2010 12:10		--
F3KF3	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-485950 (HCL), 6-485951 (HCL), 6-485952 (HCL) (3)	SF-06-125	S: 8/10/2010 9:16		--
F3KF4	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-485953 (HCL), 6-485954 (HCL), 6-485955 (HCL) (3)	SF-06-128	S: 8/10/2010 9:20		--
F3KF5	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-485956 (HCL), 6-485957 (HCL), 6-485958 (HCL) (3)	SF-06-128 D	S: 8/10/2010 9:23		Field Duplicate
F3KF6	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-485959 (HCL), 6-485960 (HCL), 6-485961 (HCL) (3)	SF-06-130	S: 8/10/2010 9:27		--

Page 30 of 32

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: TVOA SOM01 = TRACE VOA	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 6-001352085-081010-0004

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 40415
DAS No:
R

Region: 6	Date Shipped: 8/10/2010	Chain of Custody Record	Sampler Signature:
Project Code: EP-W-06-004	Carrier Name: EA Engineering	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:	Airbill:	1 8/10/10 1700	Justin Sucheski 8/11/10 9:00
CERCLIS ID:	Shipped to: A4 Scientific, 1544 Sawdust Road, Suite 505, The Woodlands TX 77380, (281) 292-5277	2 Justin Sucheski 8/11/10	
Spill ID:		3 12:45	
Site Name/State: Griggs & Walnut Ground Water Plume Sup		4	
Project Leader: Teresa McMillan			
Action: Integrated site assessment/site investigation			
Sampling Co: EA Engineering			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F3KE2	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401661 (HCL), 6-401662 (HCL) (2)	NGMW-02-157	S: 8/10/2010 10:38		--
F3KE3	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401663 (HCL), 6-401664 (HCL), 6-401665 (HCL) (3)	NGMW-02-162	S: 8/10/2010 10:43		--
F3KE4	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401666 (HCL), 6-401667 (HCL), 6-401668 (HCL) (3)	NGMW-02-167	S: 8/10/2010 11:02		--
F3KE5	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401669 (HCL), 6-401670 (HCL), 6-401671 (HCL) (3)	NGMW-03-132	S: 8/10/2010 7:23		--
F3KE6	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401672 (HCL), 6-401673 (HCL), 6-401674 (HCL) (3)	NGMW-03-137	S: 8/10/2010 7:29		--
F3KE7	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401675 (HCL), 6-401676 (HCL), 6-401677 (HCL), 6-401678 (HCL), 6-401679 (HCL), 6-401680 (HCL), 6-401681 (HCL), 6-401682 (HCL), 6-401683 (HCL) (9)	NGMW-03-142	S: 8/10/2010 7:40		--
F3KE8	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401684 (HCL), 6-401685 (HCL), 6-401686 (HCL) (3)	NGMW-03-147	S: 8/10/2010 7:49		--
F3KE9	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401687 (HCL), 6-401688 (HCL), 6-401689 (HCL) (3)	NGMW-03-152	S: 8/10/2010 7:53		--
F3KF0	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401690 (HCL), 6-401691 (HCL), 6-401692 (HCL) (3)	NGMW-03-157	S: 8/10/2010 7:57		--

Page 31 of 32

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: F3KE7	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: TVOA SOM01 = TRACE VOA	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 6-001352085-081010-0006

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

Recipient Copy

CHAIN-OF-CUSTODY RECORD

COC No. 11634

Order Number: SG011142 Date Shipped: 8/9/2010 AirBill No(s): 417558952773

From: QATS LABORATORY
2700 CHANDLER AVENUE, BLDG. B
LAS VEGAS, NV 89120
PHONE: 1-702-895-8712
FAX: 1-702-795-8210

To: LAXMI TEERUPALLI
A4 SCIENTIFIC, INC.
1544 SAWDUST ROAD, SUITE 505
THE WOODLANDS TX 77380
281-292-5277

Sample ID Number	Qty	Description/Remarks	→ Catalogue Number
F3L04	1	TRACE CONC. AQUEOUS VOLATILE	01-001 0012597-01
F3L05	1	TRACE CONC. AQUEOUS VOLATILE	01-001 ~~-02~~ 0012598-01

Please use the enclosed Sample Preparation Instructions. If catalogue number(s) are listed at the top of the Sample Preparation Instructions use the Sample Preparation Instructions with catalogue number(s) matching the catalogue number(s) of each of the samples listed above.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8/9/10 15:00	Kishan	8/10/10, 10:30
Custody Seal(s): Present/Absent	Remarks:		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

000000005

QATS Form 20-008F053R00 04-05-2010

CASE	SDG	EPASAMP	LABID	MATRIX	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	STATLOC
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-69-4	Trichlorofluoromethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	67-64-1	Acetone	11		ug/L	5.0	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	79-20-9	Methyl acetate	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-09-2	Methylene chloride	0.87	Jv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	1634-04-4	Methyl tert-butyl ether	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	71-55-6	1,1,1-Trichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	56-23-5	Carbon tetrachloride	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	107-06-2	1,2-Dichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	108-88-3	Toluene	0.19	LJ	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	127-18-4	Tetrachloroethene	3.8		ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	106-93-4	1,2-Dibromoethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC4	0012602-10	W	08/13/2010	13:03:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-122
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127

40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	67-64-1	Acetone	9.0		ug/L	5.0	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-09-2	Methylene chloride	0.97		ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	108-88-3	Toluene	0.19	LJ	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	127-18-4	Tetrachloroethene	3.5		ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC5	0012602-11	W	08/13/2010	13:31:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-127
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-69-4	Trichlorofluoromethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132

40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	67-64-1	Acetone	6.8		ug/L	5.0	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	79-20-9	Methyl acetate	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-09-2	Methylene chloride	0.96	Jv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	1634-04-4	Methyl tert-butyl ether	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	71-55-6	1,1,1-Trichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	56-23-5	Carbon tetrachloride	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	107-06-2	1,2-Dichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	108-88-3	Toluene	0.20	LJ	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	127-18-4	Tetrachloroethene	3.6		ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	106-93-4	1,2-Dibromoethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC6	0012602-12	W	08/13/2010	13:58:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-132
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	67-64-1	Acetone	6.6		ug/L	5.0	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-09-2	Methylene chloride	0.90		ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137

40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	108-88-3	Toluene	0.19	LJ	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	127-18-4	Tetrachloroethene	3.0		ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC7	0012602-13	W	08/13/2010	14:26:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	67-64-1	Acetone	6.0		ug/L	5.0	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-09-2	Methylene chloride	0.85		ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D

40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	108-88-3	Toluene	0.18	LJ	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	127-18-4	Tetrachloroethene	3.2		ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC8	0012602-14	W	08/13/2010	14:54:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-137 D
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-69-4	Trichlorofluoromethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	67-64-1	Acetone	7.2		ug/L	5.0	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	79-20-9	Methyl acetate	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-09-2	Methylene chloride	1.0	Jv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	1634-04-4	Methyl tert-butyl ether	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	71-55-6	1,1,1-Trichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	56-23-5	Carbon tetrachloride	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142

40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	107-06-2	1,2-Dichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	108-88-3	Toluene	0.23	LJ	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	127-18-4	Tetrachloroethene	2.9		ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	106-93-4	1,2-Dibromoethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KC9	0012602-15	W	08/13/2010	15:22:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-142
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-69-4	Trichlorofluoromethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	67-64-1	Acetone	7.0		ug/L	5.0	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	79-20-9	Methyl acetate	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-09-2	Methylene chloride	0.99	Jv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	1634-04-4	Methyl tert-butyl ether	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	71-55-6	1,1,1-Trichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	56-23-5	Carbon tetrachloride	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	107-06-2	1,2-Dichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147

40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	127-18-4	Tetrachloroethene	2.6		ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	106-93-4	1,2-Dibromoethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KD0	0012602-16	W	08/13/2010	15:50:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-01-147
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	67-64-1	Acetone	25		ug/L	5.0	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	78-93-3	2-Butanone	1.9	LJ	ug/L	5.0	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157

40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	127-18-4	Tetrachloroethene	1.5		ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE2	0012602-01	W	08/12/2010	22:29:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-157
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	67-64-1	Acetone	13		ug/L	5.0	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	78-93-3	2-Butanone	1.5	LJ	ug/L	5.0	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	127-18-4	Tetrachloroethene	1.6		ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162

40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE3	0012602-02	W	08/12/2010	22:55:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-162
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	67-64-1	Acetone	15		ug/L	5.0	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	78-93-3	2-Butanone	1.6	LJ	ug/L	5.0	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	127-18-4	Tetrachloroethene	1.5		ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167

40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE4	0012602-03	W	08/12/2010	23:21:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-02-167
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	67-64-1	Acetone	12		ug/L	5.0	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	78-93-3	2-Butanone	1.3	LJ	ug/L	5.0	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	127-18-4	Tetrachloroethene	2.7		ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132

40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE5	0012602-04	W	08/12/2010	23:47:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-132
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	67-64-1	Acetone	13		ug/L	5.0	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	78-93-3	2-Butanone	1.6	LJ	ug/L	5.0	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	127-18-4	Tetrachloroethene	2.7		ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE6	0012602-05	W	08/13/2010	00:13:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-137
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142

40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	67-64-1	Acetone	11		ug/L	5.0	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	127-18-4	Tetrachloroethene	2.5		ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE7	0012602-06	W	08/13/2010	00:39:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-142
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-69-4	Trichlorofluoromethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147

40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	67-64-1	Acetone	13		ug/L	5.0	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	79-20-9	Methyl acetate	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-09-2	Methylene chloride	0.22	LJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	1634-04-4	Methyl tert-butyl ether	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	71-55-6	1,1,1-Trichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	56-23-5	Carbon tetrachloride	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	107-06-2	1,2-Dichloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	127-18-4	Tetrachloroethene	2.0		ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	106-93-4	1,2-Dibromoethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE8	0012602-07	W	08/13/2010	11:37:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-147
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	67-64-1	Acetone	11		ug/L	5.0	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-09-2	Methylene chloride	0.67		ug/L	0.50	08/10/2010	NGMW-03-152

40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	127-18-4	Tetrachloroethene	1.6		ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KE9	0012602-08	W	08/13/2010	12:08:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-152
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	67-64-1	Acetone	9.1		ug/L	5.0	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-09-2	Methylene chloride	0.88		ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-157

40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	108-88-3	Toluene	0.18	LJ	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	127-18-4	Tetrachloroethene	1.9		ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF0	0012602-09	W	08/13/2010	12:36:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	NGMW-03-157
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	67-64-1	Acetone	12		ug/L	5.0	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-09-2	Methylene chloride	0.93		ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-125

40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	127-18-4	Tetrachloroethene	0.16	LJ	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF3	0012602-17	W	08/13/2010	16:18:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-125
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	67-64-1	Acetone	8.6		ug/L	5.0	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-09-2	Methylene chloride	1.2		ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128

40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	127-18-4	Tetrachloroethene	0.13	LJ	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF4	0012602-18	W	08/13/2010	16:47:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	67-64-1	Acetone	9.6		ug/L	5.0	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-09-2	Methylene chloride	1.1		ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D

40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	127-18-4	Tetrachloroethene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	UJv	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3KF5	0012602-19	W	08/13/2010	17:16:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010	SF-06-128 D
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-71-8	Dichlorodifluoromethane	19		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-01-4	Vinyl chloride	20	*	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-35-4	1,1-Dichloroethene	5.3		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	67-64-1	Acetone	3.8	LJ	ug/L	5.0	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-15-0	Carbon Disulfide	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	156-60-5	trans-1,2-Dichloroethene	2.8		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-34-3	1,1-Dichloroethane	2.0		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	67-66-3	Chloroform	8.4		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	71-55-6	1,1,1-Trichloroethane	2.6		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	71-43-2	Benzene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	79-01-6	Trichloroethene	4.2		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	78-87-5	1,2-Dichloropropane	11		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-27-4	Bromodichloromethane	4.2		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	108-10-1	4-Methyl-2-pentanone	5.0	U	ug/L	5.0	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	108-88-3	Toluene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	127-18-4	Tetrachloroethene	5.1		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	124-48-1	Dibromochloromethane	16		ug/L	0.50	08/10/2010	
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	106-93-4	1,2-Dibromoethane	9.2		ug/L	0.50	08/10/2010	

40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	108-90-7	Chlorobenzene	24	*	ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	100-42-5	Styrene	0.50	U	ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	75-25-2	Bromoform	29	*	ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	541-73-1	1,3-Dichlorobenzene	11		ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	106-46-7	1,4-Dichlorobenzene	10		ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	96-12-8	1,2-Dibromo-3-chloropropane	18		ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010
40415	F3L05	F3L05	0012598-01	W	08/12/2010	20:43:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	08/10/2010
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-71-8	Dichlorodifluoromethane	19	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	74-87-3	Chloromethane	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-01-4	Vinyl chloride	19		ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	74-83-9	Bromomethane	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-00-3	Chloroethane	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-69-4	Trichlorofluoromethane	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-35-4	1,1-Dichloroethene	6.4	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	67-64-1	Acetone	5.0	*	ug/L	10	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-15-0	Carbon Disulfide	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	79-20-9	Methyl acetate	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-09-2	Methylene chloride	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	156-60-5	trans-1,2-Dichloroethene	2.8	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	1634-04-4	Methyl tert-butyl ether	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-34-3	1,1-Dichloroethane	1.9	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	156-59-2	cis-1,2-Dichloroethene	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	78-93-3	2-Butanone	10	U *	ug/L	10	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	74-97-5	Bromochloromethane	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	67-66-3	Chloroform	8.2	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	71-55-6	1,1,1-Trichloroethane	2.6	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	110-82-7	Cyclohexane	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	56-23-5	Carbon tetrachloride	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	71-43-2	Benzene	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	107-06-2	1,2-Dichloroethane	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	79-01-6	Trichloroethene	4.2	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	108-87-2	Methylcyclohexane	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	78-87-5	1,2-Dichloropropane	10	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-27-4	Bromodichloromethane	3.8	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	10061-01-5	cis-1,3-Dichloropropene	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	108-10-1	4-Methyl-2-pentanone	10	U *	ug/L	10	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	108-88-3	Toluene	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	10061-02-6	trans-1,3-Dichloropropene	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	79-00-5	1,1,2-Trichloroethane	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	127-18-4	Tetrachloroethene	4.9	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	591-78-6	2-Hexanone	10	U *	ug/L	10	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	124-48-1	Dibromochloromethane	14	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	106-93-4	1,2-Dibromoethane	8.5	*	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	108-90-7	Chlorobenzene	23		ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	100-41-4	Ethylbenzene	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	95-47-6	o-Xylene	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	179601-23-1	m,p-Xylene	1.0	U *	ug/L	1.0	
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	100-42-5	Styrene	1.0	U *	ug/L	1.0	

40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	75-25-2	Bromoform	25		ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	98-82-8	Isopropylbenzene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	79-34-5	1,1,2,2-Tetrachloroethane	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	541-73-1	1,3-Dichlorobenzene	10	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	106-46-7	1,4-Dichlorobenzene	10	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	95-50-1	1,2-Dichlorobenzene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	96-12-8	1,2-Dibromo-3-chloropropane	15	*	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	120-82-1	1,2,4-Trichlorobenzene	1.0	U *	ug/L	1.0
40415	F3L05	F3L05DL	0012598-01RE1	W	08/12/2010	22:02:00	87-61-6	1,2,3-Trichlorobenzene	1.0	U *	ug/L	1.0

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2

LABORATORY NAME A4 SCIENTIFIC, INC.
CITY/STATE THE WOODLANDS, TX
CASE NO. 40415 SDG NO. F3L05
SDG NOs. TO FOLLOW NA
MOD. REF. NO. NA
CONTRACT NO. EPW05036
SOW NO. SOM01.2

All documents delivered in the Complete SDG File (CSF) must be original documents where possible.

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
1. **Inventory Sheet** (Form DC-2) (Do not number)			✓	✓
2. **SDG Case Narrative**	01	03	✓	✓
3. **SDG Cover Sheet/Traffic Report**	04	07	✓	✓
4. **Trace Volatiles Data**				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II VOA-1 and VOA-2)	08	09	✓	✓
Matrix Spike/Matrix Spike Duplicate Recovery (Form III VOA) (if requested by USEPA Region)	10	10	✓	✓
Method Blank Summary (Form IV VOA)	11	12	✓	✓
GC/MS Instrument Performance Check (Form V VOA)	13	15	✓	✓
Internal Standard Area and RT Summary (Form VIII VOA)	16	19	✓	✓
b. Sample Data	20	337	✓	✓
TCL Results - Organics Analysis Data Sheet (Form I VOA-1 and VOA-2)				✓
Tentatively Identified Compounds (Form I VOA-TIC)				✓
Reconstructed total ion chromatograms (RIC) for each sample				✓
For each sample:				
Raw Spectra and background-subtracted mass spectra of target compounds identified				✓
Quantitation reports				✓
Mass Spectra of all reported TICs with three best library matches				✓
c. Standards Data (All Instruments)	338	427		
Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)			✓	✓
RICs and Quantitation Reports for all Standards				✓
Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)				✓
RICs and Quantitation Reports for all Standards				✓
d. Raw/Quality Control (QC) Data				✓
BFB	428	442	✓	✓
Blank Data	443	486	✓	✓

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3L05 SDG NOS. TO FOLLOW NA

MOD. REF. NO. NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
Matrix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)	487	504	✓	✓
e. Trace SIM Data (Place at the end of the Trace Volatiles Section)	NA	NA		✓
[Form I VOA-SIM; Form II VOA-SIM1 and VOA-SIM2; Form IV-VOA-SIM; Form VI VOA-SIM; Form VII VOA-SIM; Form VIII VOA-SIM; and all raw data for QC, Samples, and Standards.]				
5. Low/Med Volatiles Data				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II VOA-1, VOA-2, VOA-3, VOA-4)				
Matrix Spike/Matrix Spike Duplicate Recovery (Form III VOA-1 and VOA-2) (if requested by USEPA Region)				
Method Blank Summary (Form IV VOA)				
GC/MS Instrument Performance Check (Form V VOA)				
Internal Standard Area and RT Summary (Form VIII VOA)				
b. Sample Data				
TCL Results - Organics Analysis Data Sheet (Form I VOA-1 and VOA-2)				
Tentatively Identified Compounds (Form I VOA-TIC)				
Reconstructed total ion chromatograms (RIC) for each sample				
For each sample:				
Raw Spectra and background-subtracted mass spectra of target compounds identified				
Quantitation reports				
Mass Spectra of all reported TICs with three best library matches				
c. Standards Data (All Instruments)				
Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)				
RICs and Quantitation Reports for all Standards				
Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)				
RICs and Quantitation Reports for all Standards				
d. Raw/Quality Control (QC) Data				
BFB				
Blank Data				

RW 8/17/10

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3L05 SDG NOS. TO FOLLOW NA

MOD. REF. NO. NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
Martix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)				
6. **Semivolatiles Data**				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II SV-1, SV-2, SV-3, SV-4)				
Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III SV-1 and SV-2) (if requested by USEPA Region)				
Method Blank Summary (Form IV SV)				
GC/MS Instrument Performance Check (Form V SV)				
Internal Standard Area and RT Summary (Form VIII SV-1 and SV-2)				
b. Sample Data				
TCL Results - Organics Analysis Data Sheet (Form I SV-1 and SV-2)				
Tentatively Identified Compounds (Form I SV-TIC)				
Reconstructed total ion chromatograms (RICs) for each sample				
For each sample:				
Raw Spectra and background-subtracted mass spectra of target compounds				
Quantitation reports				
Mass Spectra of TICs with three best library matches			Rec 8/17/10	
GPC chromatograms (if GPC is required)				
c. Standards Data (All Instruments)				
Initial Calibration Data (Form VI SV-1, SV-2, SV-3)				
RICs and Quantitation Reports for all Standards				
Continuing Calibration Data (Form VII SV-1, SV-2, SV-3)				
RICs and Quantitation Reports for all Standards				
d. Raw QC Data				
DFTPP				
Blank Data				
MS/MSD Data (if requested by USEPA Region)				
e. Raw GPC Data				

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3L05 SDG NOS. TO FOLLOW NA

MOD. REF. NO. NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
f. Semivolatile SIM Data				
[Form I SV-SIM; Form II SV-SIM1 and SV-SIM2; Form III SV-SIM1 and SV-SIM2 (if required); Form IV SV-SIM; Form VI SV-SIM; Form VII SV-SIM; Form VIII SV-SIM1 and SV-SIM2; and all raw data for QC, Samples, and Standards.]				
7. **Pesticides Data**				
a. QC Summary				
Surrogate Recovery Summary (Form II PEST-1 and PEST-2)				
Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III PEST-1 and PEST-2)				
Laboratory Control Sample Recovery (Form III PEST-3 and PEST-4)				
Method Blank Summary (Form IV PEST)				
b. Sample Data				
TCL Results - Organics Analysis Data Sheet (Form I PEST)				
Chromatograms (Primary Column)				
Chromatograms from second GC column confirmation				
GC Integration report or data system printout				
Manual work sheets				
For pesticides by GC/MS				
Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)				
c. Standards Data				
Initial Calibration of Single Component Analytes (Form VI PEST-1 and PEST-2)				
Toxaphene Initial Calibration (Form VI PEST-3 and PEST-4)				
Analyte Resolution Summary (Form VI PEST-5, per column)				
Performance Evaluation Mixture (Form VI PEST-6)				
Individual Standard Mixture A (Form VI PEST-7)				
Individual Standard Mixture B (Form VI PEST-8)				
Individual Standard Mixture C (Form VI PEST-9 and PEST-10)				
Calibration Verification Summary (Form VII PEST-1)				
Calibration Verification Summary (Form VII PEST-2)				
Calibration Verification Summary (Form VII PEST-3)				

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ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3L05 SDG NOS. TO FOLLOW NA

MOD. REF. NO. NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
Calibration Verification Summary (Form VII PEST-4)				
Analytical Sequence (Form VIII PEST)				
Florisil Cartridge Check (Form IX PEST-1)				
Pesticide GPC Calibration (Form IX PEST-2)				
Identification Summary for Single Component Analytes (Form X PEST-1)				
Identification Summary for Toxaphene (Form X PEST-2)				
Chromatograms and data system printouts A printout of Retention Times and corresponding peak areas or peak heights				
d. Raw QC Data				
Blank Data				
Matrix Spike/Matrix Spike Duplicate Data				
Laboratory Control Sample Data				
e. Raw GPC Data				
f. Raw Florisil Data				
8. **Aroclor Data**				
a. QC Summary				
Surrogate Recovery Summary (Form II ARO-1 and ARO-2)				
Matrix Spike/Matrix Spike Duplicate Summary (Form III ARO-1 and ARO-2)				
Laboratory Control Sample Recovery (Form III ARO-3 and ARO-4)				
Method Blank Summary (Form IV ARO)				
b. Sample Data				
TCL Results - Organics Analysis Data Sheet (Form I ARO)				
Chromatograms (Primary Column)				
Chromatograms from second GC column confirmation				
GC Integration report or data system printout				
Manual work sheets				
For Aroclors by GC/MS				
Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)				

Rec 8/17/10

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3L05 SDG NOS. TO FOLLOW NA

MOD. REF. NO. NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
c. Standards Data				
Aroclors Initial Calibration (Form VI ARO-1, ARO-2, and ARO-3)				
Calibration Verification Summary (Form VII ARO-1)				
Analytical Sequence (Form VIII ARO)				
Identification Summary for Multicomponent Analytes (Form X ARO)				
Chromatograms and data system printouts A printout of Retention Times and corresponding peak areas or peak heights				
d. Raw QC Data				
Blank Data				
Matrix Spike/Matrix Spike Duplicate Data				
Laboratory Control Sample (LCS) Data				
e. Raw GPC Data (if performed)				

9. **Miscellaneous Data**

Original preparation and analysis forms or copies of preparation and analysis logbook pages	505	515	✓	✓
Internal sample and sample extract transfer chain-of-custody records	↓	↓	↓	✓
Screening records	↓	↓	↓	✓
All instrument output, including strip charts from screening activities (describe or list)				

10. **EPA Shipping/Receiving Documents**

Airbills (No. of shipments 1 2 ?)	516	516	✓	✓
Chain of Custody Records	517	519	✓	✓
Sample Tags	520	540	✓	✓
Sample Log-in Sheet (Lab & DC-1)	541	545	✓	✓
Miscellaneous Shipping/Receiving Records (describe or list)				
CUSTODY SEALS	546	548	✓	✓

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3L05 SDG NOS. TO FOLLOW NA

MOD. REF. NO. NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
11. **Internal Lab Sample Transfer Records and Tracking Sheets** (describe or list)				
CUSTODY LOG BOOK	548A	548A	✓	✓
12. **Other Records** (describe or list)				
Telephone Communication Log	NA	NA		✓
E-MAILS	549	552	✓	✓
PE INSTRUCTIONS	553	554	✓	✓

13. **Comments**

RO 8/17/10

Completed by: (CLP Lab)	Kishore (Signature)	RAMKISHOR KORYADA/QC Specialist (Printed Name/Title)	8/17/10 (Date)
Verified by: (CLP Lab)	Sree Gempalli (Signature)	Sreelakshmi Gempalli/QA Specialist (Printed Name/Title)	8/17/10 (Date)
Audited by: (USEPA) (ESAT)	[illegible] (Signature)	TSENG-YANG FAN/Data Review (Printed Name/Title)	8/24/10 (Date)

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2

LABORATORY NAME A4 SCIENTIFIC, INC.
CITY/STATE THE WOODLANDS, TX
CASE NO. 40415 SDG NO. F3L05
SDG NOs. TO FOLLOW NA
MOD. REF. NO. NA
CONTRACT NO. EPW05036
SOW NO. SOM01.2

All documents delivered in the Complete SDG File (CSF) must be original documents where possible.

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
1. **Inventory Sheet** (Form DC-2) (Do not number)			✓	
2. **SDG Case Narrative**	01	03	✓	
3. **SDG Cover Sheet/Traffic Report**	04	07	✓	
4. **Trace Volatiles Data**				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II VOA-1 and VOA-2)	08	09	✓	
Matrix Spike/Matrix Spike Duplicate Recovery (Form III VOA) (if requested by USEPA Region)	10	10	✓	
Method Blank Summary (Form IV VOA)	11	12	✓	
GC/MS Instrument Performance Check (Form V VOA)	13	15	✓	
Internal Standard Area and RT Summary (Form VIII VOA)	16	19	✓	
b. Sample Data	20	337	✓	
TCL Results - Organics Analysis Data Sheet (Form I VOA-1 and VOA-2)				
Tentatively Identified Compounds (Form I VOA-TIC)				
Reconstructed total ion chromatograms (RIC) for each sample				
For each sample:				
Raw Spectra and background-subtracted mass spectra of target compounds identified				
Quantitation reports				
Mass Spectra of all reported TICs with three best library matches				
c. Standards Data (All Instruments)	338	427		
Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)			✓	
RICs and Quantitation Reports for all Standards				
Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)				
RICs and Quantitation Reports for all Standards				
d. Raw/Quality Control (QC) Data				
BFB	428	442	✓	
Blank Data	443	486	✓	

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3L05 SDG NOS. TO FOLLOW NA

MOD. REF. NO. NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
Matrix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)	481	504	✓	
e. Trace SIM Data (Place at the end of the Trace Volatiles Section)	NA	NA		
[Form I VOA-SIM; Form II VOA-SIM1 and VOA-SIM2; Form IV-VOA-SIM; Form VI VOA-SIM; Form VII VOA-SIM; Form VIII VOA-SIM; and all raw data for QC, Samples, and Standards.]				
5. Low/Med Volatiles Data				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II VOA-1, VOA-2, VOA-3, VOA-4)				
Matrix Spike/Matrix Spike Duplicate Recovery (Form III VOA-1 and VOA-2) (if requested by USEPA Region)				
Method Blank Summary (Form IV VOA)				
GC/MS Instrument Performance Check (Form V VOA)				
Internal Standard Area and RT Summary (Form VIII VOA)				
b. Sample Data				
TCL Results - Organics Analysis Data Sheet (Form I VOA-1 and VOA-2)				
Tentatively Identified Compounds (Form I VOA-TIC)				
Reconstructed total ion chromatograms (RIC) for each sample				
For each sample:				
Raw Spectra and background-subtracted mass spectra of target compounds identified				
Quantitation reports				
Mass Spectra of all reported TICs with three best library matches				
c. Standards Data (All Instruments)				
Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)				
RICs and Quantitation Reports for all Standards				
Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)				
RICs and Quantitation Reports for all Standards				
d. Raw/Quality Control (QC) Data				
BFB				
Blank Data				

Re 8/17/16

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3L05 SDG NOS. TO FOLLOW NA

MOD. REF. NO. NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
Martix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)				
6. **Semivolatiles Data**				
a. QC Summary				
Deuterated Monitoring Compound Recovery (Form II SV-1, SV-2, SV-3, SV-4)				
Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III SV-1 and SV-2) (if requested by USEPA Region)				
Method Blank Summary (Form IV SV)				
GC/MS Instrument Performance Check (Form V SV)				
Internal Standard Area and RT Summary (Form VIII SV-1 and SV-2)				
b. Sample Data				
TCL Results - Organics Analysis Data Sheet (Form I SV-1 and SV-2)				
Tentatively Identified Compounds (Form I SV-TIC)				
Reconstructed total ion chromatograms (RICs) for each sample				
For each sample:				
Raw Spectra and background-subtracted mass spectra of target compounds				
Quantitation reports				
Mass Spectra of TICs with three best library matches			Rec 8/17/10	
GPC chromatograms (if GPC is required)				
c. Standards Data (All Instruments)				
Initial Calibration Data (Form VI SV-1, SV-2, SV-3)				
RICs and Quantitation Reports for all Standards				
Continuing Calibration Data (Form VII SV-1, SV-2, SV-3)				
RICs and Quantitation Reports for all Standards				
d. Raw QC Data				
DFTPP				
Blank Data				
MS/MSD Data (if requested by USEPA Region)				
e. Raw GPC Data				

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3405 SDG NOS. TO FOLLOW NA

MOD. REF. NO. NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
f. Semivolatile SIM Data				
[Form I SV-SIM; Form II SV-SIM1 and SV-SIM2; Form III SV-SIM1 and SV-SIM2 (if required); Form IV SV-SIM; Form VI SV-SIM; Form VII SV-SIM; Form VIII SV-SIM1 and SV-SIM2; and all raw data for QC, Samples, and Standards.]				
7. **Pesticides Data**				
a. QC Summary				
Surrogate Recovery Summary (Form II PEST-1 and PEST-2)				
Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III PEST-1 and PEST-2)				
Laboratory Control Sample Recovery (Form III PEST-3 and PEST-4)				
Method Blank Summary (Form IV PEST)				
b. Sample Data				
TCL Results - Organics Analysis Data Sheet (Form I PEST)				
Chromatograms (Primary Column)				
Chromatograms from second GC column confirmation				
GC Integration report or data system printout				
Manual work sheets				
For pesticides by GC/MS				
Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)				
c. Standards Data				
Initial Calibration of Single Component Analytes (Form VI PEST-1 and PEST-2)				
Toxaphene Initial Calibration (Form VI PEST-3 and PEST-4)				
Analyte Resolution Summary (Form VI PEST-5, per column)				
Performance Evaluation Mixture (Form VI PEST-6)				
Individual Standard Mixture A (Form VI PEST-7)				
Individual Standard Mixture B (Form VI PEST-8)				
Individual Standard Mixture C (Form VI PEST-9 and PEST-10)				
Calibration Verification Summary (Form VII PEST-1)				
Calibration Verification Summary (Form VII PEST-2)				
Calibration Verification Summary (Form VII PEST-3)				

Rev 8/1-1/10

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3L05 SDG NOS. TO FOLLOW NA

MOD. REF. NO. no

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
Calibration Verification Summary (Form VII PEST-4)				
Analytical Sequence (Form VIII PEST)				
Florisil Cartridge Check (Form IX PEST-1)				
Pesticide GPC Calibration (Form IX PEST-2)				
Identification Summary for Single Component Analytes (Form X PEST-1)				
Identification Summary for Toxaphene (Form X PEST-2)				
Chromatograms and data system printouts A printout of Retention Times and corresponding peak areas or peak heights				
d. Raw QC Data				
Blank Data				
Matrix Spike/Matrix Spike Duplicate Data				
Laboratory Control Sample Data				
e. Raw GPC Data				
f. Raw Florisil Data				
8. **Aroclor Data**				
a. QC Summary				
Surrogate Recovery Summary (Form II ARO-1 and ARO-2)				
Matrix Spike/Matrix Spike Duplicate Summary (Form III ARO-1 and ARO-2)				
Laboratory Control Sample Recovery(Form III ARO-3 and ARO-4)				
Method Blank Summary (Form IV ARO)				
b. Sample Data				
TCL Results - Organics Analysis Data Sheet (Form I ARO)				
Chromatograms (Primary Column)				
Chromatograms from second GC column confirmation				
GC Integration report or data system printout				
Manual work sheets				
For Aroclors by GC/MS				
Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)				

Rec 8/17/10

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3L05 SDG NOS. TO FOLLOW NA

MOD. REF. NO. NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
c. Standards Data				
Aroclors Initial Calibration (Form VI ARO-1, ARO-2, and ARO-3)				
Calibration Verification Summary (Form VII ARO-1)				
Analytical Sequence (Form VIII ARO)				
Identification Summary for Multicomponent Analytes (Form X ARO)				
Chromatograms and data system printouts A printout of Retention Times and corresponding peak areas or peak heights				
d. Raw QC Data				
Blank Data				
Matrix Spike/Matrix Spike Duplicate Data				
Laboratory Control Sample (LCS) Data				
e. Raw GPC Data (if performed)				
9. Miscellaneous Data				
Original preparation and analysis forms or copies of preparation and analysis logbook pages	505	515	✓	
Internal sample and sample extract transfer chain-of-custody records	↓	↓	↓	
Screening records	↓	↓	↓	
All instrument output, including strip charts from screening activities (describe or list)				
10. EPA Shipping/Receiving Documents				
Airbills (No. of shipments 1)	516	516	✓	
Chain of Custody Records	517	519	✓	
Sample Tags	520	540	✓	
Sample Log-in Sheet (Lab & DC-1)	541	545	✓	
Miscellaneous Shipping/Receiving Records (describe or list)				
CUSTODY SEALS	546	548	✓	

PR 8/27/10

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET
FORM DC-2 (CON'T)

CASE NO. 40415 SDG NO. F3L05 SDG NOS. TO FOLLOW NA

MOD. REF. NO. NA

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK USEPA
11. **Internal Lab Sample Transfer Records and Tracking Sheets** (describe or list)				
CUSTODY LOG BOOK	548A	548A	✓	
12. **Other Records** (describe or list)				
Telephone Communication Log	NA	NA		
E-MAILS	549	552	✓	
PE INSTRUCTIONS	553	554	✓	

13. **Comments**

RA 8/17/10

Completed by: (CLP Lab)	Krishna (Signature)	RAMKRISHOR KORVADA/QC Specialist (Printed Name/Title)	8/17/10 (Date)
Verified by: (CLP Lab)	Sree Kampalli (Signature)	Sreelakshmi Kampalli/QA Specialist (Printed Name/Title)	8/17/10 (Date)
Audited by: (USEPA)	(Signature)	(Printed Name/Title)	(Date)

A4 SCIENTIFIC, INC.
1544 Sawdust Road, Suite505•The Woodlands, TX 77380•Phone (281) 292-5277

Contract #: EPW05036	Case #: 40415	SDG #: F3L05

SDG NARRATIVE

SAMPLE RECEIPT & LOGIN

The following samples were received on the dates listed against them. The samples were logged in for analysis as listed.

Client Sample	*Lab Sample*	*Matrix*	*#Cont.*	*Received*	*Analysis*	*Comments*
FEL05	0012598-01	Water	1	08/10/10 10:30	SOM01.2 VOA TRACE	
F3KE2	0012602-01	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KE3	0012602-02	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KE4	0012602-03	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KE5	0012602-04	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KE6	0012602-05	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KE7	0012602-06	Water	9	08/11/10 13:00	SOM01.2 VOA TRACE	MS/MSD
F3KE8	0012602-07	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KE9	0012602-08	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KF0	0012602-09	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KC4	0012602-10	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KC5	0012602-11	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KC6	0012602-12	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KC7	0012602-13	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KC8	0012602-14	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KC9	0012602-15	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KD0	0012602-16	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KF3	0012602-17	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KF4	0012602-18	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
F3KF5	0012602-19	Water	3	08/11/10 13:00	SOM01.2 VOA TRACE	
VHBLK7T	0012602-20	Water	2	08/11/10 13:00	SOM01.2 VOA TRACE	STORAGE BLANK

A4 SCIENTIFIC, INC.
1544 Sawdust Road, Suite505•The Woodlands, TX 77380•Phone (281) 292-5277

Contract #: EPW05036	Case #: 40415	SDG #: F3L05

The cooler temperatures are listed against the coolers.

DATE RECEIVED	COOLER NO.	Temp (in °C)	Airbill No.
08/10/2010	1	25.0	417558952773
08/11/2010	1	4.0	NA

The following issues were noted:

Issue: The laboratory received the attached TR/COC with no Case number. According to the sample ID number, SMO believes this to be the PE samples for Case 40415. Can you please confirm that this is correct?
Resolution: Per Region 6, these PE samples belong with Case 40415. The lab will wait until receipt of the actual samples from the field to place one PE per SDG and analyze concurrently with samples.

Directive (email) is enclosed. No other discrepancies or issues were noted during sample receipt and login.

VOLATILES TRACE

Samples were analyzed using instrument **H-5975 and F-5973**.

Instrument F-5973 consisted of an Agilent 5973 GC/MS with a 25-meter long DB-624 (Agilent cat#128-1324) column having a 0.2mm ID and 1.12µm film thickness, OI Purge and Trap Model 4560 with an Archon auto sampler. The trap used was a #10 trap (OI Cat# 228122) having an approximate composition of 40% Tenax, 30% Silica gel and 30% CMS.

Instrument H-5975 consisted of an Agilent 5975 GC/MS with a 25-meter long DB-624 (Agilent cat#128-1324) column having a 0.2mm ID and 1.12µm film thickness, OI Purge and Trap Model 4560 with an Archon auto sampler. The trap used was a #10 trap (OI Cat# 228122) having an approximate composition of 40% Tenax, 30% Silica gel and 30% CMS.

All VOA samples had the pH characteristics verified. The reading is listed below.

Client Sample	Lab Sample	pH
F3KE2	0012602-01	≤ 2
F3KE3	0012602-02	≤ 2
F3KE4	0012602-03	≤ 2
F3KE5	0012602-04	≤ 2
F3KE6	0012602-05	≤ 2
F3KE7	0012602-06	≤ 2
F3KE8	0012602-07	≤ 2
F3KE9	0012602-08	≤ 2
F3KF0	0012602-09	≤ 2
F3KC4	0012602-10	≤ 2
F3KC5	0012602-11	≤ 2
F3KC6	0012602-12	≤ 2
F3KC7	0012602-13	≤ 2
F3KC8	0012602-14	≤ 2
F3KC9	0012602-15	≤ 2
F3KD0	0012602-16	≤ 2
F3KF3	0012602-17	≤ 2

A4 SCIENTIFIC, INC.
1544 Sawdust Road, Suite505•The Woodlands, TX 77380•Phone (281) 292-5277

Contract #: EPW05036	Case #: 40415	SDG #: F3L05

The following samples were run at dilution, listed against them to get all the compounds within range.

EPA SAMPLE ID	DILUTION
F3L05	2X

MS/MSD is performed on sample F3KE~~0~~7. [signature] 08/17/10

Manual integrations were performed for the following samples for the compounds listed against them.

Compound	EPA Sample ID
Chloroethane-d5	VSTD0.58K, VSTD0058M,
Dichlorodifluoromethane	VSTD0.58K,
Bromomethane	VSTD0.58K, VSTD0208K, VSTD0058M,
VinylChloride-d3	VSTD0058L,

These manual integrations were necessary because the software failed to accurately integrate the entire peak. In all the above instances, the quantitation reports are flagged with "m". A hard copy printout of the manual integration, the scan ranges, and initials of the analyst or manager is included in the data package.

The following equations were used for calculation of the sample results from raw instrument output data:

VOLATILES

Water (Low/Med, Trace & SIM):

$$\text{Concentration } (\mu g/L) = \frac{(Ax)(Is)(Df)}{(Ais)(\overline{RRF})(Vo)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured.
A_{is} = Area of the characteristic ion (EICP) for the internal standard.
I_s = Amount of internal standard added in nanograms (ng).

$\overline{RRF}$ = Mean relative response factor from the initial calibration.
V_o = Total volume of water purged, in milliliters (mL).
Df = Dilution factor.

I certify that this Sample 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 hard copy Sample Data Package and in the electronic data deliverable has been authorized by the laboratory Manager or Manager's designee, as verified by the following signature.

[signature] Tarupalli & QA specialist
Signature and Title

08/17/10
Date of Signature

SAMPLE DELIVERY GROUP (SDG)
COVER SHEET

SDG Number: F3L05

Laboratory Name: A4 SCIENTIFIC, INC. **Laboratory Code:** A4

Contract No.: EPW05036 **Case No.:** 40415

Analysis Price: $416.00 **SDG Turnaround:** 7 days

Modified Analysis (if applicable):

Modification Reference No.: NA

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) F3KC4	7) F3KD0	13) F3KE7	19) F3KF5
2) F3KC5	8) F3KE2	14) F3KE8	20) FEL05
3) F3KC6	9) F3KE3	15) F3KE9	21)
4) F3KC7	10) F3KE4	16) F3KF0	22)
5) F3KC8	11) F3KE5	17) F3KF3	23)
6) F3KC9	12) F3KE6	18) F3KF4	24)

FEL05	F3KF5
First Sample in SDG	**Last Sample in SDG**
08/10/2010	08/11/2010
First Sample Receipt Date	**Last Sample Receipt Date**

Note: *There are a maximum of 20* ***field*** *samples [excluding Performance Evaluation (PE) Samples] in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).*

Kristen 8/16/10

Signature **Date**

Recipient Copy

CHAIN-OF-CUSTODY RECORD

COC No. 11634

Order Number: SG011142 Date Shipped: 8/9/2010 AirBill No(s): 417558952773

From: QATS LABORATORY
2700 CHANDLER AVENUE, BLDG. B
LAS VEGAS, NV 89120
PHONE: 1-702-895-8712
FAX: 1-702-795-8210

To: LAXMI TEERUPALLI
A4 SCIENTIFIC, INC.
1544 SAWDUST ROAD, SUITE 505
THE WOODLANDS TX 77380
281-292-5277

Sample ID Number	Qty	Description/Remarks	→ Catalogue Number
F3L04	1	TRACE CONC. AQUEOUS VOLATILE	01-001 0012597-01
F3L05	1	TRACE CONC. AQUEOUS VOLATILE	01-001 ~~-02~~ 0012598-01

Please use the enclosed Sample Preparation Instructions. If catalogue number(s) are listed at the top of the Sample Preparation Instructions use the Sample Preparation Instructions with catalogue number(s) matching the catalogue number(s) of each of the samples listed above.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8/9/10 15:00	Kishan	8/10/10, 10:30
Custody Seal(s): Present/Absent	Remarks:		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

00000005

QATS Form 20-008F053R00 04-05-2010

3

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 40415
DAS No:
SDG No: F3L05 L

Date Shipped:	8/10/2010
Carrier Name:	EA Engineering
Airbill:	
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	8/10/10 1400	Justin Suchechi	8/11/10 9:00
2 Justin Suchechi	8/11/10 12:45	[signature]	8/11/10, 13:00
3			
4			

Sampler Signature: [signature]

For Lab Use Only

Lab Contract No:	EPW05036
Unit Price:	
Transfer To:	
Lab Contract No:	[initials] 8/11/10
Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
F3KE2	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401661 (HCL), 6-401662 (HCL) (2)	NGMW-02-157	S: 8/10/2010 10:38		0012602-01
F3KE3	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401663 (HCL), 6-401664 (HCL), 6-401665 (HCL) (3)	NGMW-02-162	S: 8/10/2010 10:43		-02
F3KE4	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401666 (HCL), 6-401667 (HCL), 6-401668 (HCL) (3)	NGMW-02-167	S: 8/10/2010 11:02		-03
F3KE5	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401669 (HCL), 6-401670 (HCL), 6-401671 (HCL) (3)	NGMW-03-132	S: 8/10/2010 7:23		-04
F3KE6	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401672 (HCL), 6-401673 (HCL), 6-401674 (HCL) (3)	NGMW-03-137	S: 8/10/2010 7:29		-05
F3KE7	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401675 (HCL), 6-401676 (HCL), 6-401677 (HCL), 6-401678 (HCL), 6-401679 (HCL), 6-401680 (HCL), 6-401681 (HCL), 6-401682 (HCL), 6-401683 (HCL) (9)	NGMW-03-142	S: 8/10/2010 7:40		-06
F3KE8	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401684 (HCL), 6-401685 (HCL), 6-401686 (HCL) (3)	NGMW-03-147	S: 8/10/2010 7:49		-07
F3KE9	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401687 (HCL), 6-401688 (HCL), 6-401689 (HCL) (3)	NGMW-03-152	S: 8/10/2010 7:53		-08
F3KF0	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401690 (HCL), 6-401691 (HCL), 6-401692 (HCL) (3)	NGMW-03-157	S: 8/10/2010 7:57		-09

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number:
	F3KE7			NA

Analysis Key: TVOA ...01 = TRACE VOA

Concentration: L = Low, M = Low/Medium, H = High **Type/Designate:** Composite = C, Grab = G

Custody Seal Intact? Y **Shipment Iced?** Y

TR Number: 6-001352085-081010-0006

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 40415
DAS No:
SDG No: F3L05 **L**

Date Shipped:	8/10/2010
Carrier Name:	EA Engineering
Airbill:	
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1	8/10/10 1800	Justin Suchech	8/11/10 9:00
2	8/11/10 12:45	Krishna	8/11/10, 15:00
3			
4			

Sampler Signature:

For Lab Use Only
Lab Contract No: EPW05056
Unit Price:
Transfer To:
Lab Contract No: DW 8/11/10
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
F3KC4	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401600 (HCL), 6-401601 (HCL), 6-401602 (HCL) (3)	NGMW-01-122	S: 8/10/2010 11:35	0012602-10	
F3KC5	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401603 (HCL), 6-401604 (HCL), 6-401605 (HCL) (3)	NGMW-01-127	S: 8/10/2010 11:40	-11	
F3KC6	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401606 (HCL), 6-401607 (HCL), 6-401608 (HCL) (3)	NGMW-01-132	S: 8/10/2010 11:45	-12	
F3KC7	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401609 (HCL), 6-401610 (HCL), 6-401611 (HCL) (3)	NGMW-01-137	S: 8/10/2010 11:55	-13	
F3KC8	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401612 (HCL), 6-401613 (HCL), 6-401614 (HCL) (3)	NGMW-01-137 D	S: 8/10/2010 12:00	-14	
F3KC9	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401615 (HCL), 6-401616 (HCL), 6-401617 (HCL) (3)	NGMW-01-142	S: 8/10/2010 12:05	-15	
F3KD0	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401622 (HCL), 6-401623 (HCL), 6-401624 (HCL) (3)	NGMW-01-147	S: 8/10/2010 12:10	-16	
F3KF3	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-485950 (HCL), 6-485951 (HCL), 6-485952 (HCL) (3)	SF-06-125	S: 8/10/2010 9:16	-17	
F3KF4	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-485953 (HCL), 6-485954 (HCL), 6-485955 (HCL) (3)	SF-06-128	S: 8/10/2010 9:20	-18	
F3KF5	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-485956 (HCL), 6-485957 (HCL), 6-485958 (HCL) (3)	SF-06-128 D	S: 8/10/2010 9:23	-19	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number: NA
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Y	Shipment Iced? Y

TVOA SOM01 = TRACE VOA

TR Number: 6-001352085-081010-0004

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

2A - FORM II VOA-1
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	F3KE2	134 *	138 *	92	89	92	85	103
02	F3KE3	132 *	129	94	91	93	84	105
03	F3KE4	138 *	140 *	93	83	92	83	101
04	F3KE5	148 *	134 *	96	91	97	89	105
05	F3KE6	148 *	150 *	94	95	93	86	100
06	F3KE7	120	133 *	92	93	93	85	102
07	F3KE7MS	129	146 *	137 *	91	100	88	107
08	F3KE7MSD	156 *	138 *	135 *	99	97	91	101
09	FEL05	101	94	102	133	103	109	99
10	FEL05DL	100	78	91	124	100	107	94
11	VBLK5Q	74	80	66	111	88	95	91
12	VIBLKMQ	91	101	78	119	97	107	98
13	F3KC4	119	127	82	60	92	70 *	107
14	F3KC5	121	130	82	76	94	78	107
15	F3KC6	124	134 *	85	69	97	76 *	110
16	F3KC7	122	130	81	72	95	78	108
17	F3KC8	124	135 *	81	75	98	80	110
18	F3KC9	120	131	80	73	94	76 *	106
19	F3KD0	120	130	79	71	95	76 *	107
20	F3KE8	123	133 *	84	62	96	75 *	111
21	F3KE9	116	132 *	85	71	96	79	112
22	F3KF0	125	136 *	86	75	96	79	109
23	F3KF3	128	139 *	84	69	100	79	114
24	F3KF4	131	144 *	85	81	101	85	111
25	F3KF5	126	139 *	82	76	96	79	109
26	VBLK8P	83	107	61	90	96	95	99
27	VHBLK7T	99	118	67	91	105	104	105
28								
29								
30								

		QC LIMITS
VDMC1	(VCL) = Vinyl chloride-d3	(65-131)
VDMC2	(CLA) = Chloroethane-d5	(71-131)
VDMC3	(DCE) = 1,1-Dichloroethene-d2	(55-104)
VDMC4	(BUT) = 2-Butanone-d5	(49-155)
VDMC5	(CLF) = Chloroform-d	(78-121)
VDMC6	(DCA) = 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BEN) = Benzene-d6	(77-124)

Column to be used to flag recovery values
* Value outside of contract required QC limits

2B - FORM II VOA-2
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

X Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	F3KE2	96	101	81	82		78	93	2
02	F3KE3	94	101	79	87		75	90	1
03	F3KE4	94	101	77	78		71 *	92	3
04	F3KE5	98	103	83	86		76	95	2
05	F3KE6	93	98	78	87		71 *	93	3
06	F3KE7	93	100	82	88		75	90	1
07	F3KE7MS	97	106	80	85		73	96	2
08	F3KE7MSD	96	97	81	93		74	95	3
09	FEL05	101	97	104	133		111	97	0
10	FEL05DL	95	93	96	114		106	93	0
11	VBLK5Q	90	88	90	106		87	90	0
12	VIBLKMQ	98	97	100	114		109	95	0
13	F3KC4	82	103	73	62		57 *	92	2
14	F3KC5	84	102	80	75		66 *	97	1
15	F3KC6	86	106	79	70		63 *	98	3
16	F3KC7	86	103	80	75		65 *	97	1
17	F3KC8	86	105	82	75		66 *	99	2
18	F3KC9	84	102	77	71		64 *	96	2
19	F3KD0	86	103	78	71		65 *	96	2
20	F3KE8	86	106	79	63		60 *	96	3
21	F3KE9	87	108	80	73		63 *	98	2
22	F3KF0	86	106	82	76		66 *	97	2
23	F3KF3	90	109	79	70		64 *	99	2
24	F3KF4	89	105	85	79		72 *	100	2
25	F3KF5	87	102	79	74		67 *	96	2
26	VBLK8P	89	99	97	87		86	98	0
27	VHBLK7T	93	105	99	85		90	103	0
28									
29									
30									

	QC LIMITS
VDMC8 (DPA) = 1,2-Dichloropropane-d6	(79-124)
VDMC9 (TOL) = Toluene-d8	(77-121)
VDMC10 (TDP) = trans-1,3-Dichloropropene-d4	(73-121)
VDMC11 (HEX) = 2-Hexanone-d5	(28-135)
VDMC12 (DXE) = 1,4-Dioxane-d8	(50-150)
VDMC13 (TCA) = 1,1,2,2-Tetrachloroethane-d2	(73-125)
VDMC14 (DCZ) = 1,2-Dichlorobenzene-d4	(80-131)

Column to be used to flag recovery values
* Values outside of contract required QC limits
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

3A - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix Spike - EPA Sample No.: F3KE7 Level: TRACE or LOW TRACE

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC #	QC LIMITS REC.
1,1-Dichloroethene	5.0	0.0	8.3	165 *	61-145
Benzene	5.0	0.0	7.0	139 *	76-127
Trichloroethene	5.0	0.0	7.3	146 *	71-120
Toluene	5.0	0.0	6.9	139 *	76-125
Chlorobenzene	5.0	0.0	6.7	134 *	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC #	%RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	5.0	8.4	167 *	1	0-14	61-145
Benzene	5.0	6.9	138 *	1	0-11	76-127
Trichloroethene	5.0	6.9	138 *	5	0-14	71-120
Toluene	5.0	6.6	132 *	5	0-13	76-125
Chlorobenzene	5.0	6.5	130	3	0-13	75-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 10 out of 10 outside limits

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5Q

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Lab File ID: H2773.D Lab Sample ID: 0080085-BLK1

Instrument ID: H-5975

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 08/12/2010

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1950

GC Column: DB-624 ID: 0.20 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	FEL05	0012598-01	H2775.D	2043
02	VIBLKMQ	0080085-CCB1	H2776.D	2109
03	FEL05DL	0012598-01RE1	H2778.D	2202
04	F3KE2	0012602-01	H2779.D	2229
05	F3KE3	0012602-02	H2780.D	2255
06	F3KE4	0012602-03	H2781.D	2321
07	F3KE5	0012602-04	H2782.D	2347
08	F3KE6	0012602-05	H2783.D	0013
09	F3KE7	0012602-06	H2784.D	0039
10	F3KE7MS	0080085-MS1	H2785.D	0105
11	F3KE7MSD	0080085-MSD1	H2786.D	0130
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COMMENTS:

000000011

SOM01.2 (8/2007)

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK8P

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Lab File ID: F3984.D Lab Sample ID: 0080086-BLK1

Instrument ID: F-5973

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 08/13/2010

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1110

GC Column: DB-624 ID: 0.20 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	F3KE8	0012602-07	F3985.D	1137
02	F3KE9	0012602-08	F3986.D	1208
03	F3KF0	0012602-09	F3987.D	1236
04	F3KC4	0012602-10	F3988.D	1303
05	F3KC5	0012602-11	F3989.D	1331
06	F3KC6	0012602-12	F3990.D	1358
07	F3KC7	0012602-13	F3991.D	1426
08	F3KC8	0012602-14	F3992.D	1454
09	F3KC9	0012602-15	F3993.D	1522
10	F3KD0	0012602-16	F3994.D	1550
11	F3KF3	0012602-17	F3995.D	1618
12	F3KF4	0012602-18	F3996.D	1647
13	F3KF5	0012602-19	F3997.D	1716
14	VHBLK7T	0012602-20	F3998.D	1745
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COMMENTS:

000000012

SOM01.2 (8/2007)

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB8K

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Lab File ID: F3944.D BFB Injection Date: 08/11/2010

Instrument ID: F-5973 BFB Injection Time: 1746

GC Column: DB-624 ID: 0.20 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 80.0% of mass 95	53.4
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120% of mass 95	93.3
175	5.0 - 9.0% of mass 174	7.8 (8.4)1
176	95.0 - 101% of mass 174	91.6 (98.2)1
177	5.0 - 9.0% of mass 176	5.7 (6.2)2

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.58K	0H12003-CAL1	F3945.D	08/11/2010	1807
02	VSTD0208K	0H12003-CAL5	F3947.D	08/11/2010	1907
03	VSTD0108K	0H12003-CAL4	F3948.D	08/11/2010	1938
04	VSTD0058K	0H12003-CAL3	F3949.D	08/11/2010	2007
05	VSTD0018K	0H12003-CAL2	F3951.D	08/11/2010	2105
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000000013

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB5P

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Lab File ID: H2756.D BFB Injection Date: 08/12/2010

Instrument ID: H-5975 BFB Injection Time: 1108

GC Column: DB-624 ID: 0.20 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 80.0% of mass 95	44.6
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120% of mass 95	60.2
175	5.0 - 9.0% of mass 174	4.9 (8.2)1
176	95.0 - 101% of mass 174	58.0 (96.3)1
177	5.0 - 9.0% of mass 176	4.8 (8.3)2

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0055P	0H12006-CAL3	H2758.D	08/12/2010	1203
02	VSTD0205P	0H12006-CAL5	H2759.D	08/12/2010	1229
03	VSTD0.55P	0H12006-CAL1	H2762.D	08/12/2010	1348
04	VSTD0105P	0H12006-CAL4	H2763.D	08/12/2010	1414
05	VSTD0015P	0H12006-CAL2	H2764.D	08/12/2010	1441
06	VSTD0055Q	0H12006-CCV1	H2771.D	08/12/2010	1854
07	VBLK5Q	0080085-BLK1	H2773.D	08/12/2010	1950
08	FEL05	0012598-01	H2775.D	08/12/2010	2043
09	VIBLKMQ	0080085-CCB1	H2776.D	08/12/2010	2109
10	FEL05DL	0012598-01RE1	H2778.D	08/12/2010	2202
11	F3KE2	0012602-01	H2779.D	08/12/2010	2229
12	F3KE3	0012602-02	H2780.D	08/12/2010	2255
13	F3KE4	0012602-03	H2781.D	08/12/2010	2321
14	F3KE5	0012602-04	H2782.D	08/12/2010	2347
15	F3KE6	0012602-05	H2783.D	08/13/2010	0013
16	F3KE7	0012602-06	H2784.D	08/13/2010	0039
17	F3KE7MS	0080085-MS1	H2785.D	08/13/2010	0105
18	F3KE7MSD	0080085-MSD1	H2786.D	08/13/2010	0130
19	VSTD0055R	0H12006-CCV2	H2788.D	08/13/2010	0222
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB8P

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Lab File ID: F3982.D BFB Injection Date: 08/13/2010

Instrument ID: F-5973 BFB Injection Time: 0944

GC Column: DB-624 ID: 0.20 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 80.0% of mass 95	54.4
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120% of mass 95	93.2
175	5.0 - 9.0% of mass 174	6.8 (7.3)1
176	95.0 - 101% of mass 174	91.2 (97.8)1
177	5.0 - 9.0% of mass 176	6.5 (7.1)2

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0058P	0H13002-CCV1	F3983.D	08/13/2010	1043
02	VBLK8P	0080086-BLK1	F3984.D	08/13/2010	1110
03	F3KE8	0012602-07	F3985.D	08/13/2010	1137
04	F3KE9	0012602-08	F3986.D	08/13/2010	1208
05	F3KF0	0012602-09	F3987.D	08/13/2010	1236
06	F3KC4	0012602-10	F3988.D	08/13/2010	1303
07	F3KC5	0012602-11	F3989.D	08/13/2010	1331
08	F3KC6	0012602-12	F3990.D	08/13/2010	1358
09	F3KC7	0012602-13	F3991.D	08/13/2010	1426
10	F3KC8	0012602-14	F3992.D	08/13/2010	1454
11	F3KC9	0012602-15	F3993.D	08/13/2010	1522
12	F3KD0	0012602-16	F3994.D	08/13/2010	1550
13	F3KF3	0012602-17	F3995.D	08/13/2010	1618
14	F3KF4	0012602-18	F3996.D	08/13/2010	1647
15	F3KF5	0012602-19	F3997.D	08/13/2010	1716
16	VHBLK7T	0012602-20	F3998.D	08/13/2010	1745
17	VSTD0058Q	0H13002-CCV2	F3999.D	08/13/2010	1814
18					
19					
20					
21					
22					

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

GC Column: DB-624 ID: 0.20 (mm) Init. Calib. Date(s): 08/11/2010 08/11/2010

EPA Sample No.(VSTD#####): VSTD0058K Date Analyzed: 08/11/2010

Lab File ID (Standard): F3949.D Time Analyzed: 2007

Instrument ID: F-5973 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	154437	10.70	169398	6.66	85700	13.43
	UPPER LIMIT	216212	11.03	237157	6.99	119980	13.76
	LOWER LIMIT	92662	10.37	101639	6.33	51420	13.10
	EPA SAMPLE NO.						
01	VSTD0.58K	158380	10.70	181464	6.66	78144	13.43
02	VSTD0208K	175316	10.70	186813	6.66	105103	13.43
03	VSTD0108K	171347	10.71	186160	6.66	98590	13.43
04	VSTD0018K	127672	10.71	146066	6.66	65237	13.43
05							
06							
07							
08							
09							
10							
11							
12							
13							
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15							
16							
17							
18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

GC Column: DB-624 ID: 0.20 (mm) Init. Calib. Date(s): 08/12/2010 08/12/2010

EPA Sample No.(VSTD#####): VSTD0055P Date Analyzed: 08/12/2010

Lab File ID (Standard): H2758.D Time Analyzed: 1203

Instrument ID: H-5975 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	212277	9.33	244749	5.43	111146	12.87
	UPPER LIMIT	297188	9.66	342649	5.76	155604	13.20
	LOWER LIMIT	127366	9.00	146849	5.10	66688	12.54
	EPA SAMPLE NO.						
01	VSTD0205P	235819	9.33	268488	5.43	124105	12.87
02	VSTD0.55P	211599	9.33	233134	5.43	107434	12.87
03	VSTD0105P	226761	9.33	253693	5.43	118425	12.87
04	VSTD0015P	215733	9.33	238428	5.43	107166	12.88
05	VSTD0055Q	193458	9.33	214437	5.43	102848	12.87
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

GC Column: DB-624 ID: 0.20 (mm) Init. Calib. Date(s): 08/12/2010 08/12/2010

EPA Sample No.(VSTD#####): VSTD0055Q Date Analyzed: 08/12/2010

Lab File ID (Standard): H2771.D Time Analyzed: 1854

Instrument ID: H-5975 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	193458	9.33	214437	5.43	102848	12.87
	UPPER LIMIT	270841	9.66	300212	5.76	143987	13.20
	LOWER LIMIT	116075	9.00	128662	5.10	61709	12.54
	EPA SAMPLE NO.						
01	VBLK5Q	208022	9.33	237618	5.43	100546	12.88
02	FEL05	182438	9.34	203394	5.43	93077	12.87
03	VIBLKMQ	188513	9.34	211755	5.43	94330	12.87
04	FEL05DL	183867	9.33	202665	5.43	90588	12.88
05	F3KE2	174034	9.33	205494	5.43	83487	12.88
06	F3KE3	177349	9.34	213674	5.43	84407	12.87
07	F3KE4	182734	9.33	219940	5.43	86087	12.88
08	F3KE5	185987	9.33	222166	5.43	85924	12.87
09	F3KE6	168337	9.33	196944	5.43	77364	12.88
10	F3KE7	177205	9.34	213925	5.43	84007	12.87
11	F3KE7MS	174895	9.33	209414	5.43	80940	12.87
12	F3KE7MSD	175981	9.34	203461	5.43	79857	12.88
13	VSTD0055R	167326	9.33	187508	5.43	83024	12.87
14							
15							
16							
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18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

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RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

000000018

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

GC Column: DB-624 ID: 0.20 (mm) Init. Calib. Date(s): 08/11/2010 08/11/2010

EPA Sample No.(VSTD#####): VSTD0058P Date Analyzed: 08/13/2010

Lab File ID (Standard): F3983.D Time Analyzed: 1043

Instrument ID: F-5973 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	139147		10.70		148005		6.66		70421		13.43	
	UPPER LIMIT	194806		11.03		207207		6.99		98589		13.76	
	LOWER LIMIT	83488		10.37		88803		6.33		42253		13.10	
	EPA SAMPLE NO.												
01	VBLK8P	141826		10.71		157670		6.66		69530		13.43	
02	F3KE8	153610		10.70		183828		6.66		73401		13.43	
03	F3KE9	164330		10.71		198382		6.66		76514		13.43	
04	F3KF0	155851		10.71		183891		6.66		76412		13.43	
05	F3KC4	152459		10.71		184128		6.66		72727		13.43	
06	F3KC5	157398		10.71		184880		6.66		77939		13.43	
07	F3KC6	146633		10.71		174646		6.66		71205		13.43	
08	F3KC7	150313		10.70		177541		6.66		73107		13.43	
09	F3KC8	147467		10.71		173352		6.66		72459		13.43	
10	F3KC9	145172		10.70		171153		6.66		69046		13.43	
11	F3KD0	150935		10.71		178955		6.66		72390		13.43	
12	F3KF3	145192		10.71		173001		6.66		70640		13.43	
13	F3KF4	143622		10.70		165835		6.66		69418		13.43	
14	F3KF5	136017		10.71		160806		6.66		65177		13.43	
15	VHBLK7T	136142		10.71		146006		6.66		67706		13.43	
16	VSTD0058Q	136299		10.70		140069		6.66		76602		13.43	
17													
18													
19													
20													
21													
22													

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

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RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-10

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3988.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	11	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.87	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-10

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3988.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.19	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	3.8	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KC4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-10

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3988.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.32	3.5	JN
02					
03					
04					
05					
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17					
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19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3988.D Vial: 37
Acq On : 08/13/2010 1303 Operator: AC
Sample : 0012602-10 Inst : F-5973
Misc : F3KC4 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:02:04 2010 Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	184128	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	152459	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	72727	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	55198	5.9732 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 119.46%		
7) Chloroethane-d5	2.81	69	53624	6.3741 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 127.48%		
10) 1,1-Dichloroethene-d2	3.55	63	66913	4.0889 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 81.78%		
20) 2-Butanone-d5	5.23	46	25163	30.0015 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 60.00%		
24) Chloroform-d	5.59	84	83731	4.5840 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 91.68%		
26) 1,2-Dichloroethane-d4	6.18	65	35719	3.5073 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 70.15%#		
32) Benzene-d6	6.20	84	190631	5.3506 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 107.01%		
35) 1,2-Dichloropropane-d6	7.17	67	47267	4.1023 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 82.05%		
41) Toluene-d8	8.57	98	178351	5.1477 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 102.95%		
43) trans-1,3-Dichloropropene-	8.93	79	37955	3.6634 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 73.27%		
47) 2-Hexanone-d5	9.52	63	18865	31.0035 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 62.01%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	22381	2.8321 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 56.64%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	48575	4.6051 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 92.10%		

Target Compounds					Qvalue
13) Acetone	3.61	43	21135	10.8409 ug/L	97
16) Methylene Chloride	4.02	84	8857	0.8702 ug/L	97
42) Toluene	8.66	91	9022	0.1882 ug/L	97
46) Tetrachloroethene	9.44	164	37917	3.7879 ug/L	99

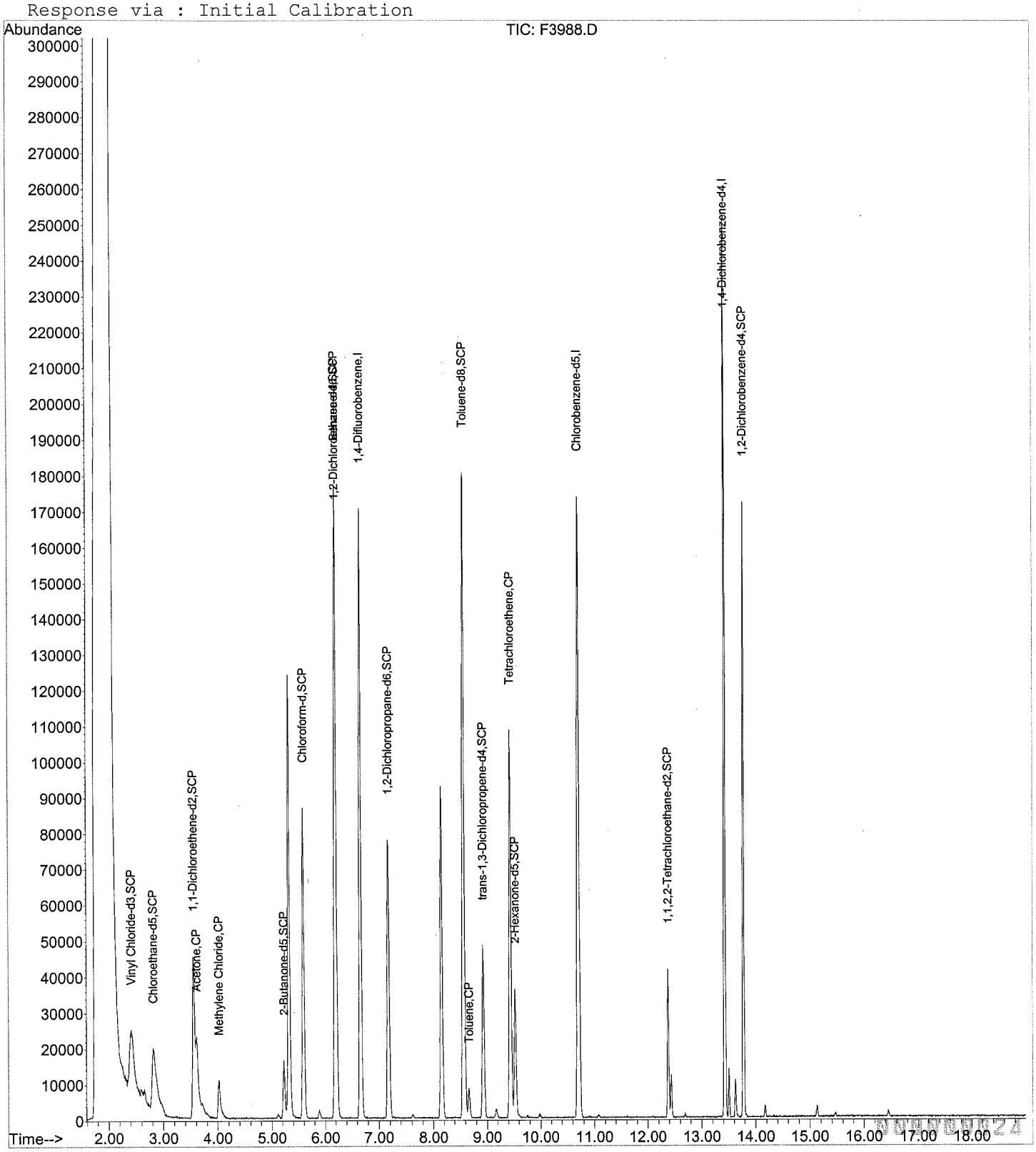
000000023

(#) = qualifier out of range (m) = manual integration (+) = signals summed

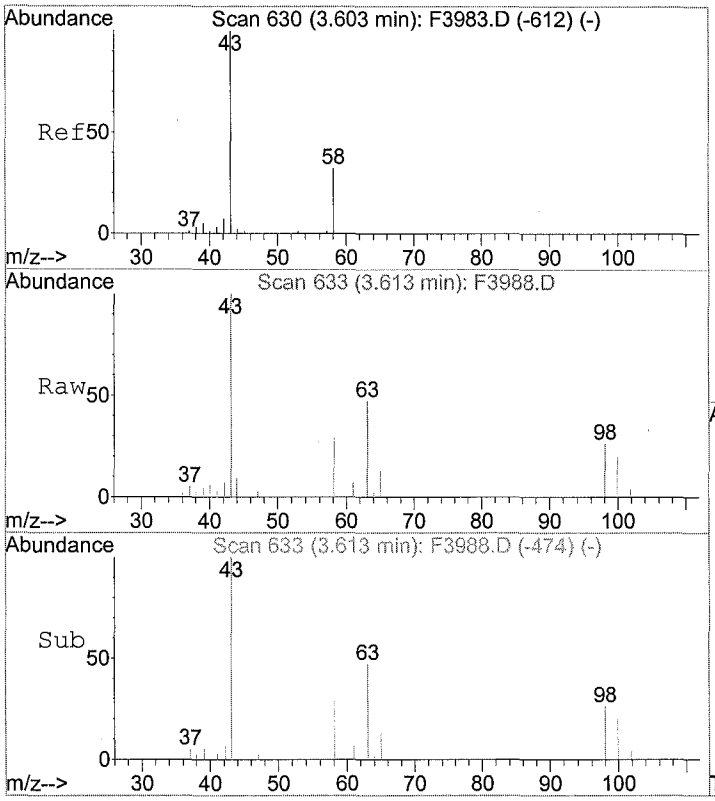
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3988.D Vial: 37
Acq On : 08/13/2010 1303 Operator: AC
Sample : 0012602-10 Inst : F-5973
Misc : F3KC4 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:55 2010 Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



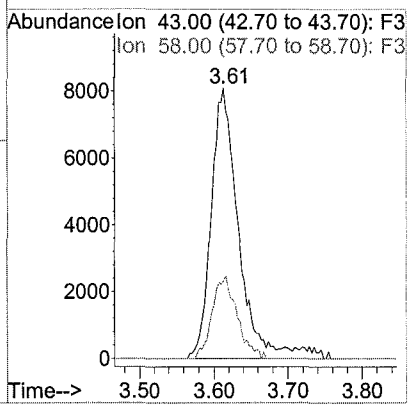
Data File : C:\MSDCHEM\1\DATA\F3988.D Vial: 37
Acq On : 08/13/2010 1303 Operator: AC
Sample : 0012602-10 Inst : F-5973
Misc : F3KC4 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

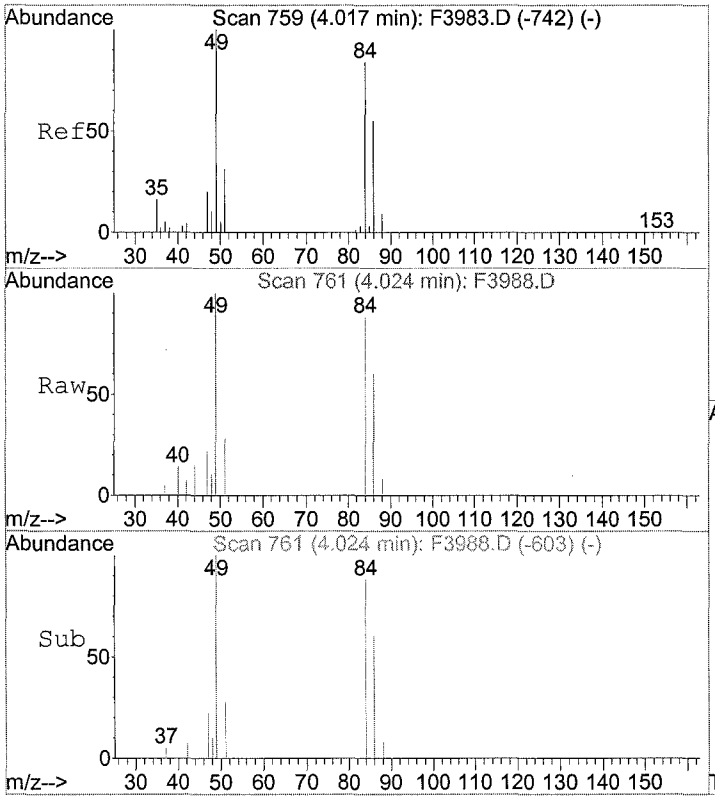


#13
Acetone
Concen: 10.8409 ug/L
RT: 3.61 min Scan# 633
Delta R.T. 0.01 min
Lab File: F3988.D
Acq: 13 Aug 2010 13:03

Tgt Ion: 43 Resp: 21135

Ion	Ratio	Lower	Upper
43	100		
58	27.6	9.3	49.3

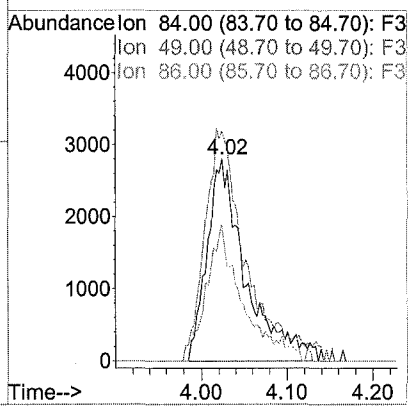




#16
Methylene Chloride
Concen: 0.8702 ug/L
RT: 4.02 min Scan# 761
Delta R.T. 0.01 min
Lab File: F3988.D
Acq: 13 Aug 2010 13:03

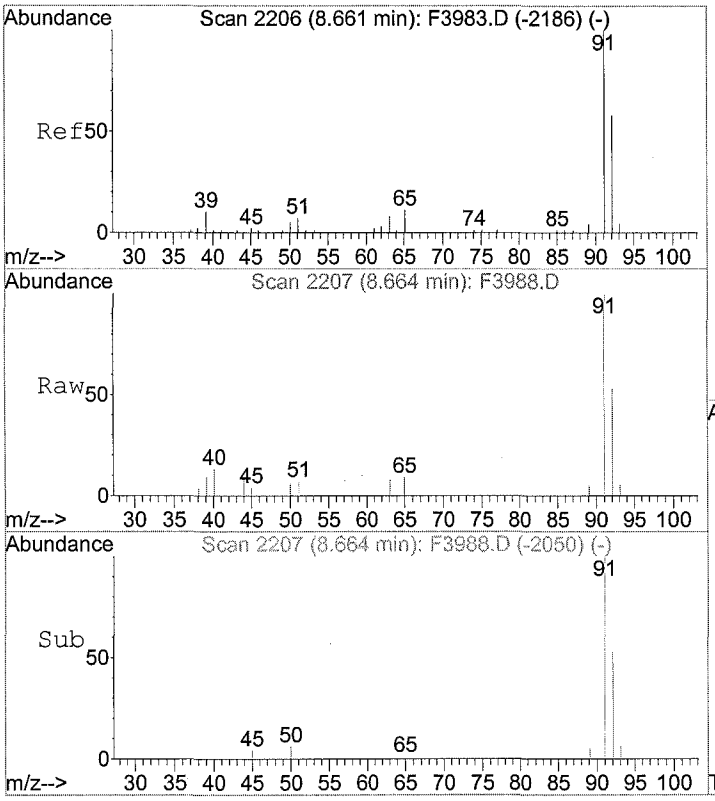
Tgt Ion: 84 Resp: 8857

Ion	Ratio	Lower	Upper
84	100		
49	121.7	97.6	137.6
86	61.7	44.0	84.0



000000025

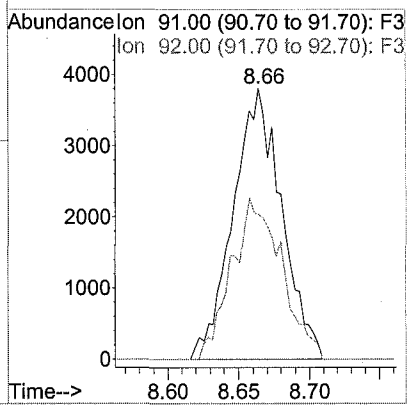
Data File : C:\MSDCHEM\1\DATA\F3988.D Vial: 37
Acq On : 08/13/2010 1303 Operator: AC
Sample : 0012602-10 Inst : F-5973
Misc : F3KC4 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

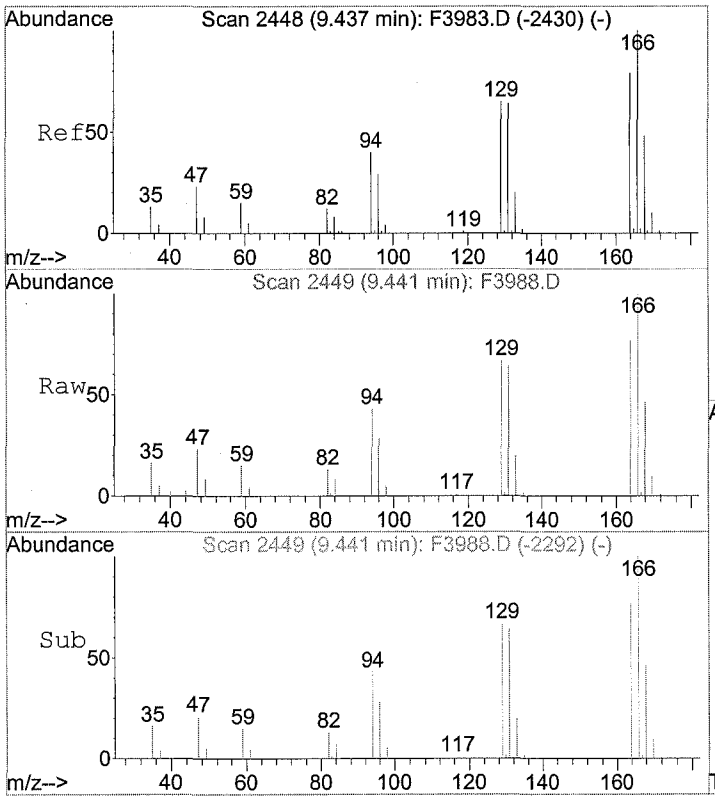


#42
Toluene
Concen: 0.1882 ug/L
RT: 8.66 min Scan# 2207
Delta R.T. 0.00 min
Lab File: F3988.D
Acq: 13 Aug 2010 13:03

Tgt Ion: 91 Resp: 9022

Ion	Ratio	Lower	Upper
91	100		
92	61.1	38.6	78.6

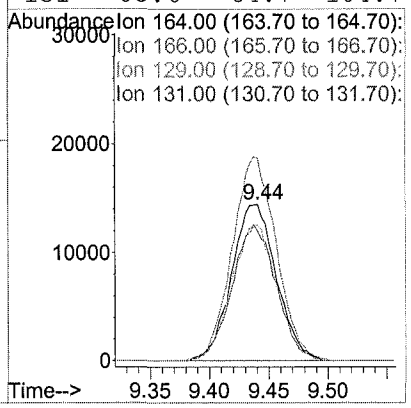




#46
Tetrachloroethene
Concen: 3.7879 ug/L
RT: 9.44 min Scan# 2449
Delta R.T. 0.00 min
Lab File: F3988.D
Acq: 13 Aug 2010 13:03

Tgt Ion:164 Resp: 37917

Ion	Ratio	Lower	Upper
164	100		
166	128.3	108.7	148.7
129	87.1	68.9	108.9
131	85.6	64.7	104.7



000000025

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3988.D Vial: 37
Acq On : 08/13/2010 1303 Operator: AC
Sample : 0012602-10 Inst : F-5973
Misc : F3KC4 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 40
Stop Thrs : 0.5 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.964	36	119	370	rBV	4353316	30721349	100.00%	87.100%
2	2.814	370	384	457	rVV3	19262	130241	0.42%	0.369%
3	3.052	457	458	509	rVB	1056	2476	0.01%	0.007%
4	3.552	595	614	708	rBV4	45116	219784	0.72%	0.623%
5	4.024	749	761	799	rVB4	10407	32935	0.11%	0.093%
6	5.118	1101	1102	1113	rVB2	1385	1584	0.01%	0.004%
7	5.227	1121	1136	1151	rBV	16178	39016	0.13%	0.111%
8	5.323	1151	1166	1201	rVB	123593	291007	0.95%	0.825%
9	5.590	1232	1249	1280	rVB	86690	211100	0.69%	0.599%
10	5.885	1334	1341	1358	rVB3	2366	4302	0.01%	0.012%
11	6.199	1418	1439	1474	rBV3	176628	488610	1.59%	1.385%
12	6.662	1565	1583	1614	rBV2	170271	413159	1.34%	1.171%
13	7.172	1725	1742	1764	rVB3	77672	204240	0.66%	0.579%
14	8.154	2030	2048	2072	rVB3	92700	235962	0.77%	0.669%
15	8.571	2156	2178	2197	rBV2	180211	456211	1.48%	1.293%
16	8.664	2197	2207	2231	rVB2	8305	19125	0.06%	0.054%
17	8.927	2272	2289	2312	rBV3	48244	119319	0.39%	0.338%
18	9.168	2358	2364	2382	rVB4	2541	5834	0.02%	0.017%
19	9.437	2430	2448	2465	rBV4	108279	278736	0.91%	0.790%
20	9.527	2465	2476	2511	rVB4	36105	92016	0.30%	0.261%
21	9.986	2615	2619	2628	rVB4	1185	1399	0.00%	0.004%
22	10.705	2823	2843	2867	rVB2	173522	449538	1.46%	1.275%
23	11.074	2952	2958	2968	rVB3	895	1557	0.01%	0.004%
24	12.377	3352	3364	3376	rBV2	41480	75914	0.25%	0.215%
25	12.434	3376	3382	3395	rVB	12038	19150	0.06%	0.054%
26	12.691	3457	3462	3468	rVB2	1221	1379	0.00%	0.004%
27	13.426	3679	3691	3705	rVV	250999	417326	1.36%	1.183%
28	13.503	3708	3715	3724	rVB6	13752	18632	0.06%	0.053%
29	13.625	3744	3753	3769	rBV3	10602	17399	0.06%	0.049%
30	13.779	3789	3801	3820	rBB2	171752	283092	0.92%	0.803%
31	14.167	3917	3922	3931	rVB2	3286	4733	0.02%	0.013%
32	15.130	4214	4222	4234	rVB6	3143	4999	0.02%	0.014%
33	15.467	4325	4327	4337	rVB3	1268	1327	0.00%	0.004%
34	15.897	4457	4461	4477	rVB3	446	1071	0.00%	0.003%
35	16.449	4626	4633	4648	rVB6	1950	3542	0.01%	0.010%
36	17.318	4893	4904	4907	rVB2	610	1139	0.00%	0.003%
37	17.553	4968	4977	4987	rVB3	474	1087	0.00%	0.003%
38	17.642	4987	5005	5006	rBV3	502	1173	0.00%	0.003%

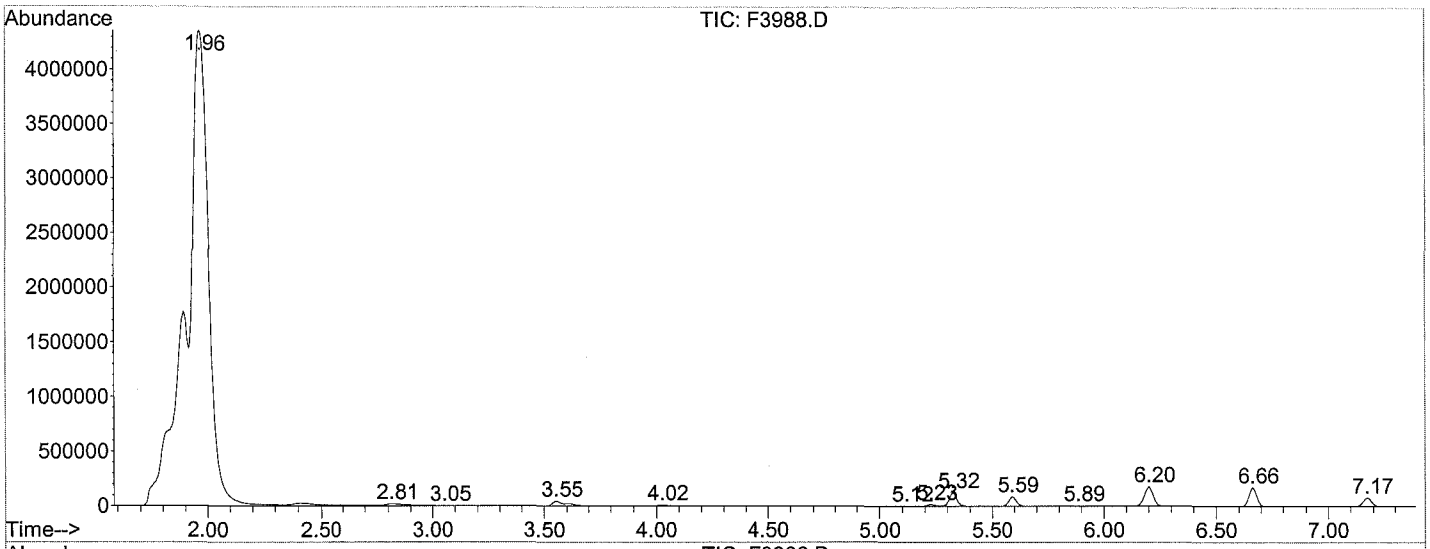
000000027

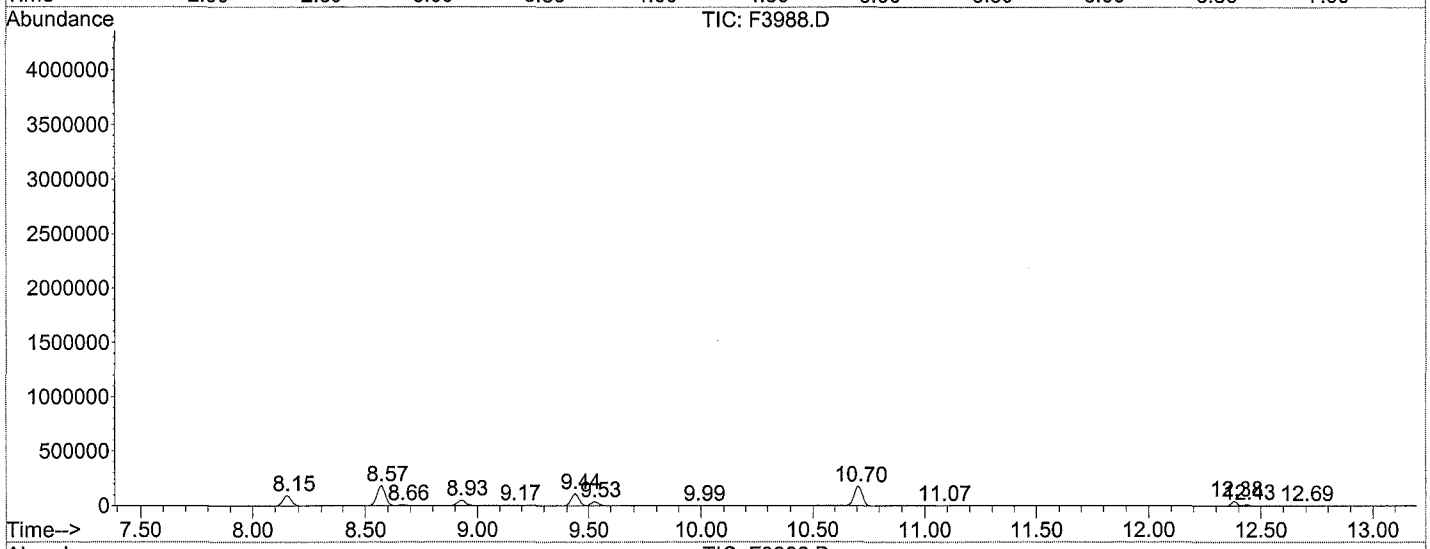
Sum of corrected areas: 35271463

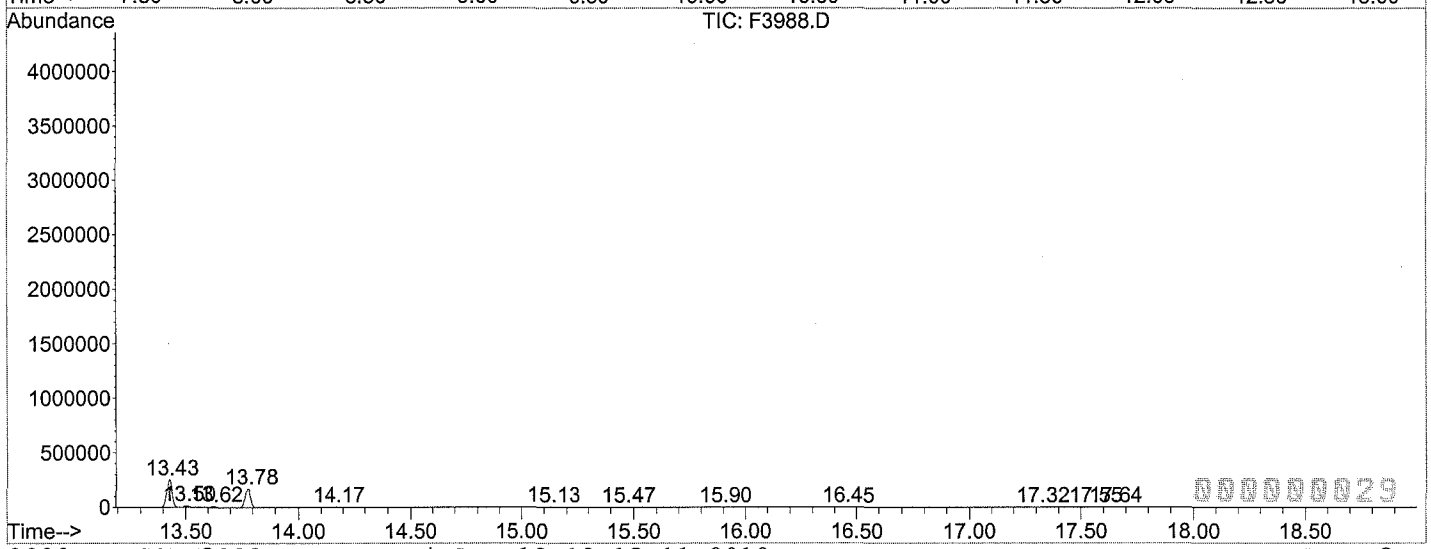
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3988.D
Acq On : 08/13/2010 1303
Sample : 0012602-10
Misc : F3KC4 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 37
Operator: AC
Inst : F-5973
Multiplr: 1.00







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3988.D
Acq On : 08/13/2010 1303
Sample : 0012602-10
Misc : F3KC4 25ML
MS Integration Params: Lscint.p

Vial: 37
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

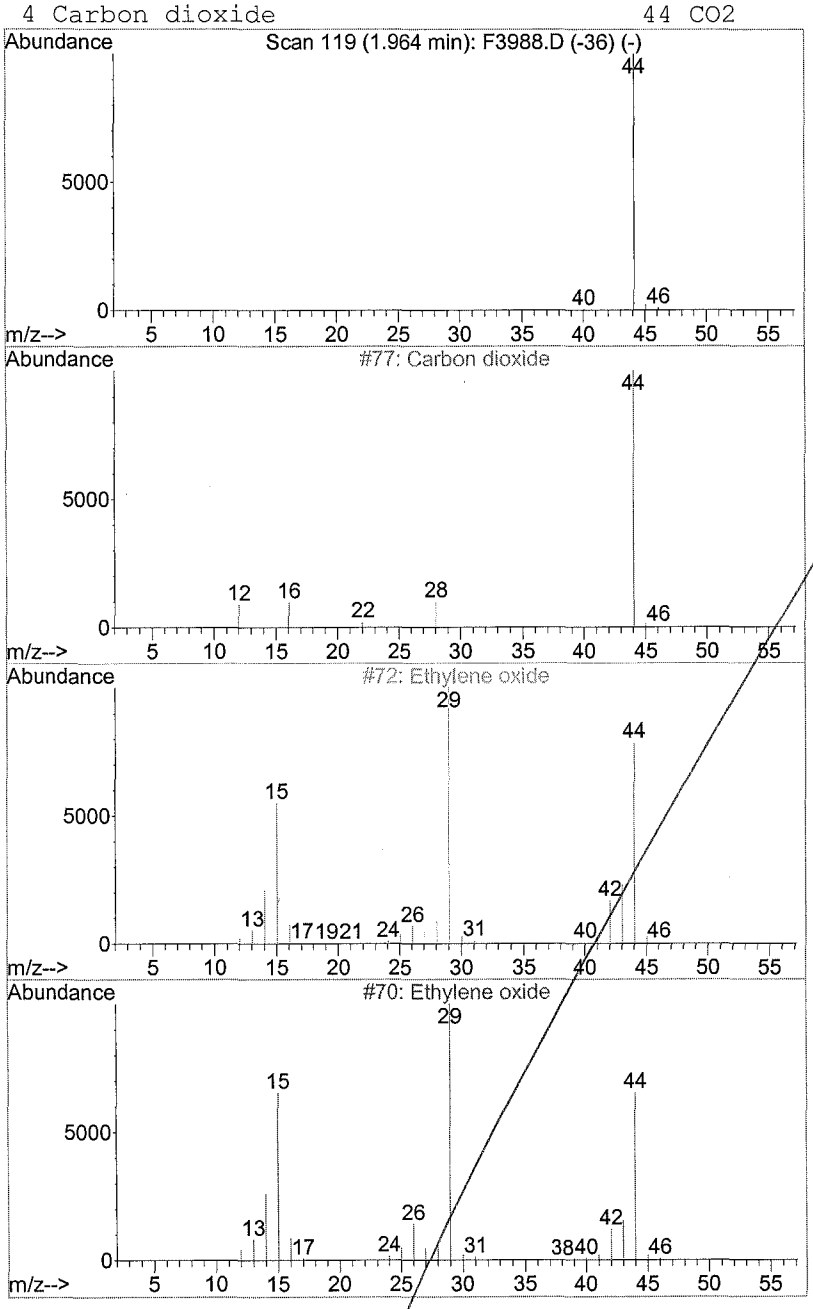
****

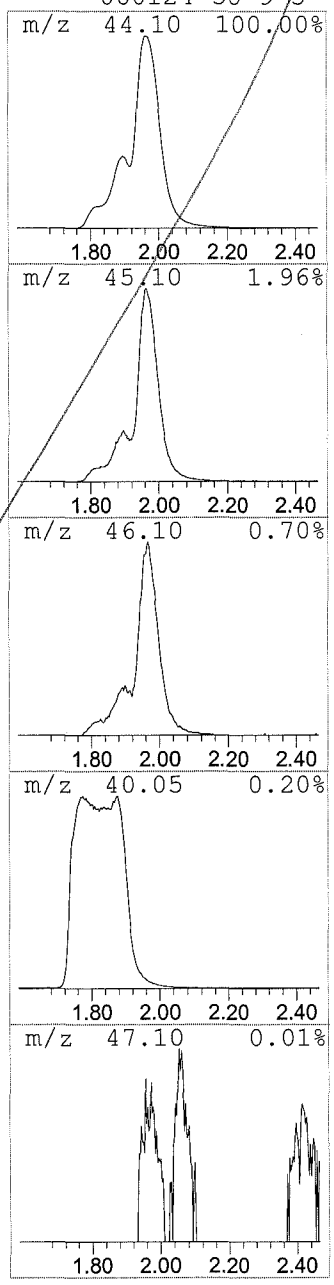
Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	371.79 ug/L	30721300	1,4-Difluorobenzene	6.66

CO_2

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3





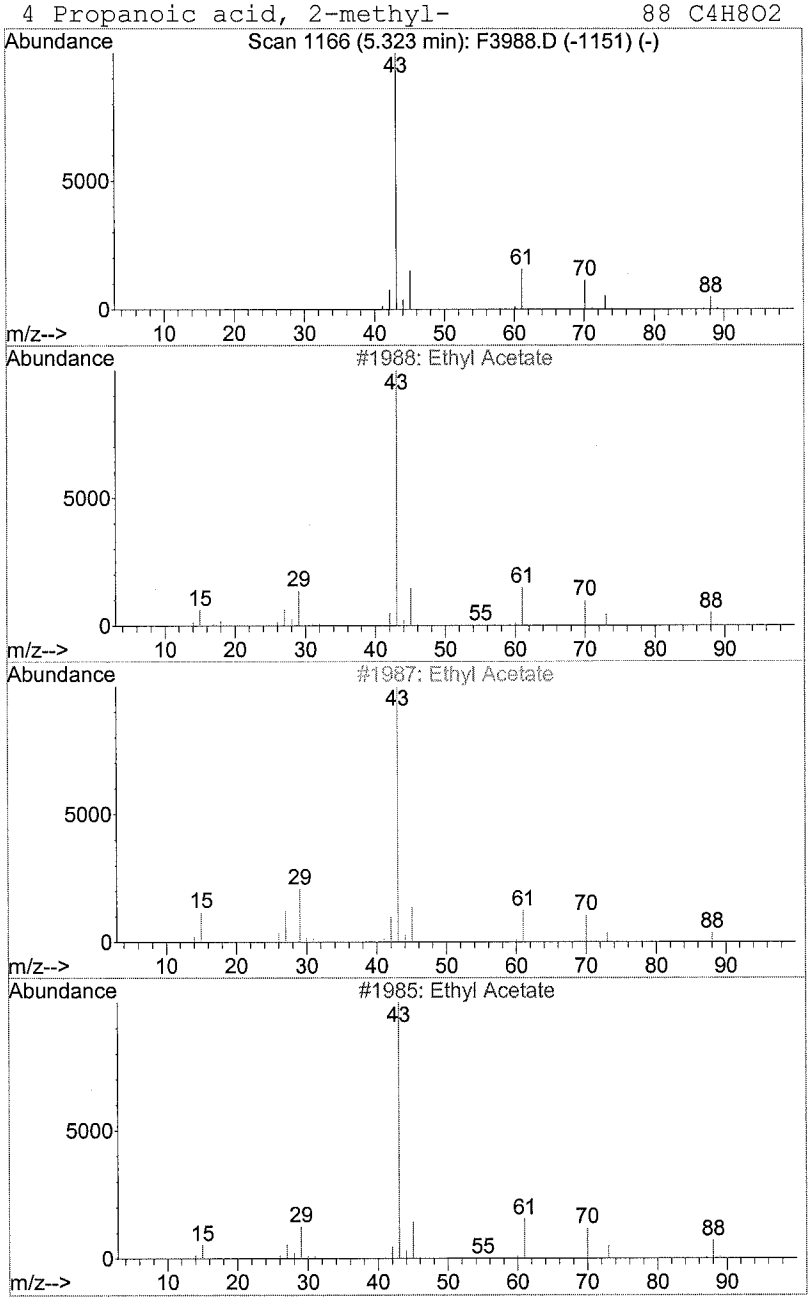
00000030

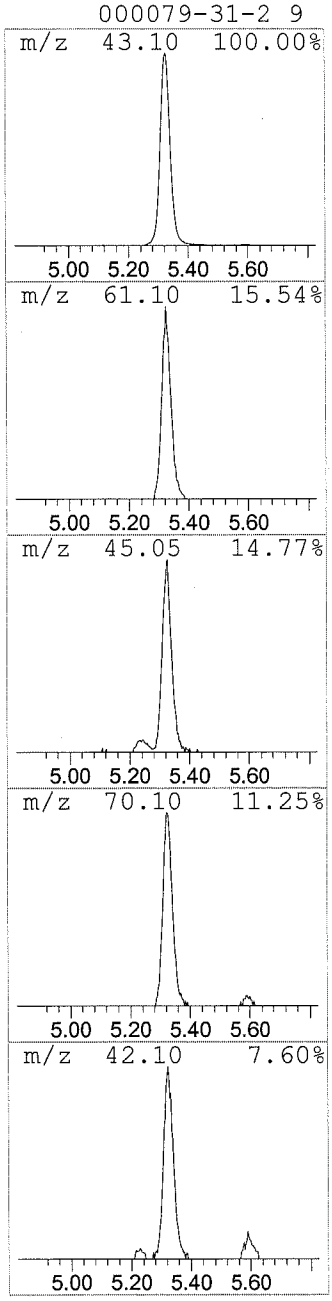
Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\F3988.D                    Vial: 37
   Acq On    : 08/13/2010  1303                         Operator: AC
   Sample    : 0012602-10                               Inst    : F-5973
   Misc      : F3KC4    25ML                            Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  2  Ethyl Acetate                   Concentration Rank  2
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	3.52 ug/L	291007	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	86
3	Ethyl Acetate	88	C4H8O2	000141-78-6	83
4	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	9





000000031

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3988.D Vial: 37
Acq On : 08/13/2010 1303 Operator: AC
Sample : 0012602-10 Inst : F-5973
Misc : F3KC4 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

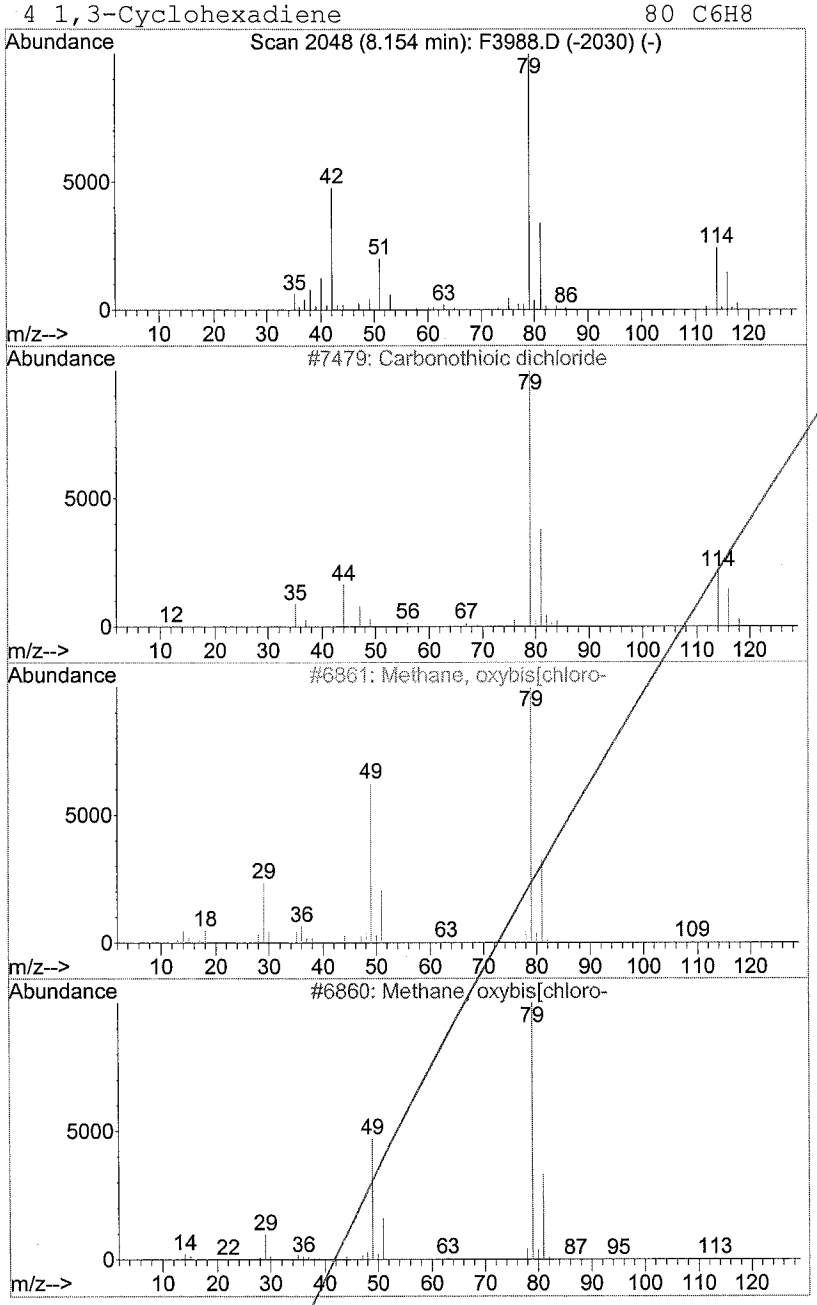
Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

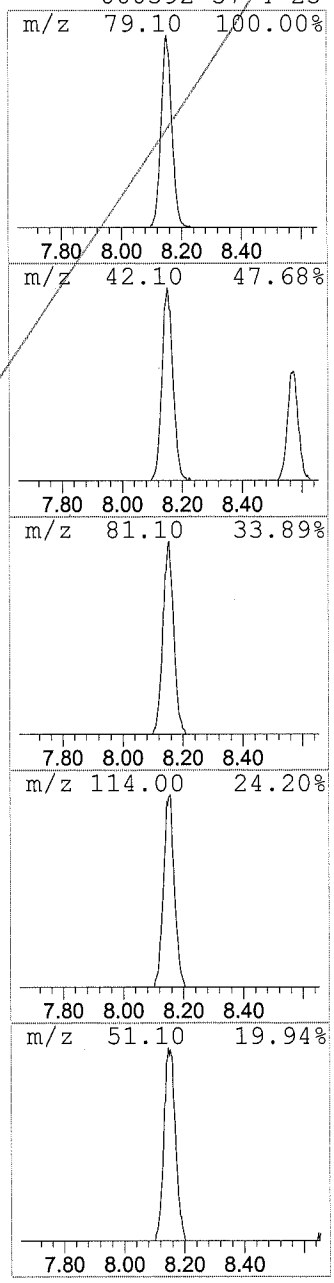
****

Peak Number 3 Carbonothioic dichloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	2.86 ug/L	235962	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	52
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	38
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	25
4	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25





One output

000000032

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 13:03
Data File: C:\MSDCHEM\1\DATA\F3988.D
Name: 0012602-10
Misc: F3KC4 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.96	371.8	ug/L	30721300	1	6.66	413159	5.0
Ethyl Acetate	5.32	3.5	ug/L	291007	1	6.66	413159	5.0
Carbonothioic dic...	8.15	2.9	ug/L	235962	1	6.66	413159	5.0

000000033

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-11

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3989.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	9.0	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.97	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-11

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3989.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.19	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	3.5	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KC5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-11

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3989.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.32	4.3	JN
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3989.D
Acq On : 08/13/2010 1331
Sample : 0012602-11
Misc : F3KC5 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:02:16 2010

Vial: 38
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	184880	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	157398	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	77939	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	56152	6.0517 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 121.03%		
7) Chloroethane-d5	2.81	69	54799	6.4872 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 129.74%		
10) 1,1-Dichloroethene-d2	3.55	63	67632	4.1161 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 82.32%		
20) 2-Butanone-d5	5.23	46	32179	38.2105 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 76.42%		
24) Chloroform-d	5.59	84	85987	4.6884 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 93.77%		
26) 1,2-Dichloroethane-d4	6.18	65	40036	3.9152 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 78.30%		
32) Benzene-d6	6.20	84	196046	5.3299 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 106.60%		
35) 1,2-Dichloropropane-d6	7.18	67	50254	4.2247 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 84.49%		
41) Toluene-d8	8.57	98	182920	5.1140 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 102.28%		
43) trans-1,3-Dichloropropene-	8.93	79	42948	4.0152 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 80.30%		
47) 2-Hexanone-d5	9.52	63	23548	37.4853 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 74.97%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	27120	3.3241 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 66.48%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	54594	4.8296 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 96.59%		

Target Compounds					Qvalue
13) Acetone	3.61	43	17611	8.9965 ug/L	96
16) Methylene Chloride	4.02	84	9870	0.9657 ug/L	97
42) Toluene	8.66	91	9542	0.1928 ug/L	98
46) Tetrachloroethene	9.44	164	35859	3.4699 ug/L	100

000000037

(#) = qualifier out of range (m) = manual integration (+) = signals summed

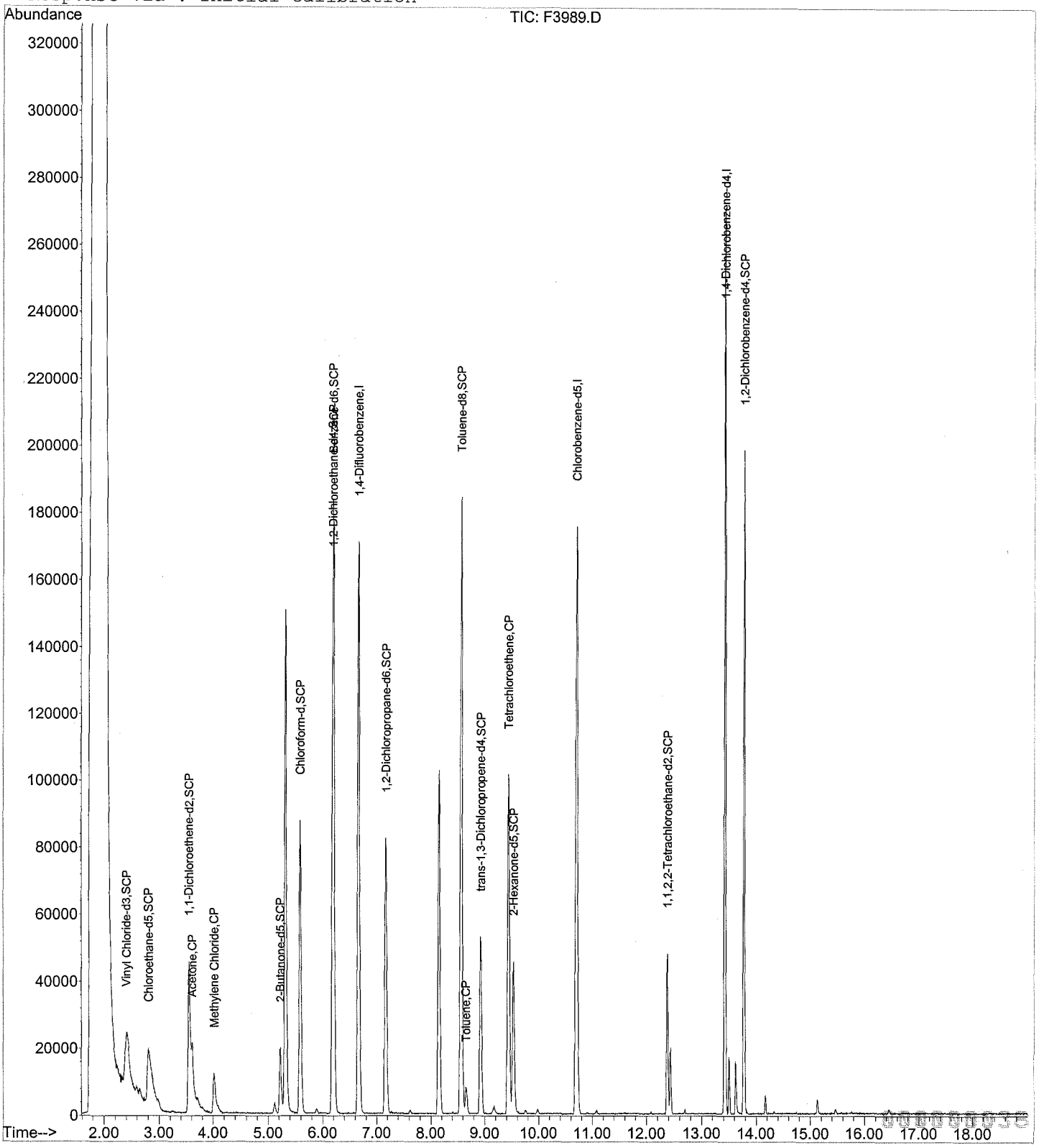
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3989.D
Acq On : 08/13/2010 1331
Sample : 0012602-11
Misc : F3KC5 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:56 2010

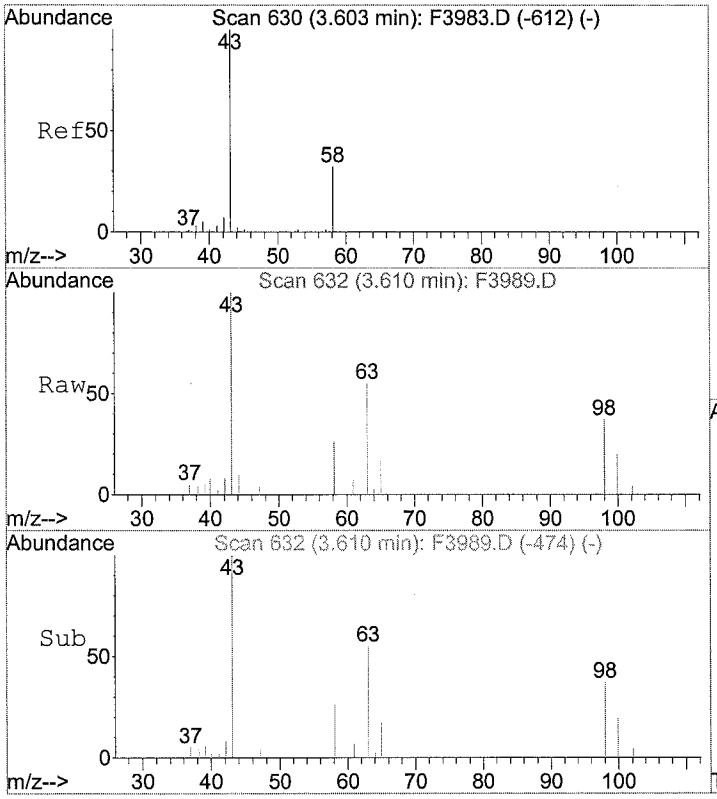
Vial: 38
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



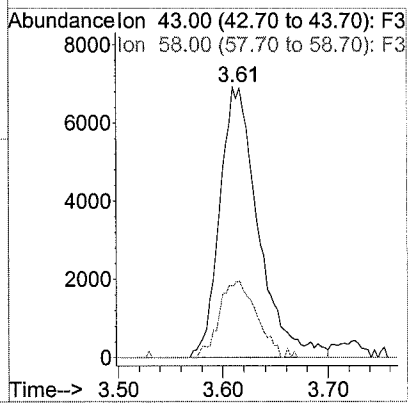
Data File : C:\MSDCHEM\1\DATA\F3989.D Vial: 38
Acq On : 08/13/2010 1331 Operator: AC
Sample : 0012602-11 Inst : F-5973
Misc : F3KC5 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

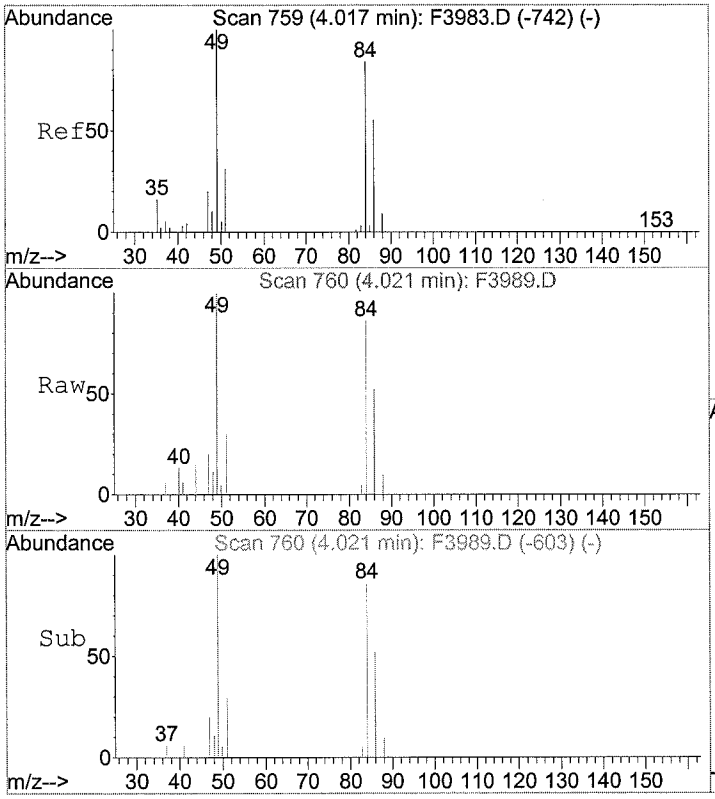


#13
Acetone
Concen: 8.9965 ug/L
RT: 3.61 min Scan# 632
Delta R.T. 0.01 min
Lab File: F3989.D
Acq: 13 Aug 2010 13:31

Tgt Ion: 43 Resp: 17611

Ion	Ratio	Lower	Upper
43	100		
58	27.1	9.3	49.3

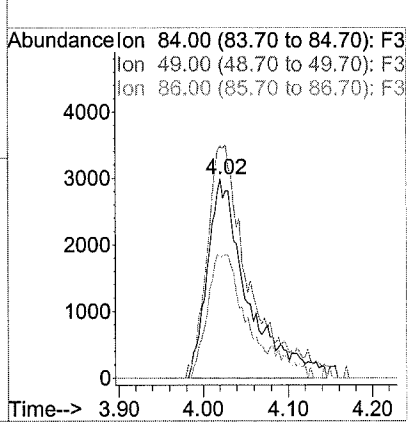




#16
Methylene Chloride
Concen: 0.9657 ug/L
RT: 4.02 min Scan# 760
Delta R.T. 0.00 min
Lab File: F3989.D
Acq: 13 Aug 2010 13:31

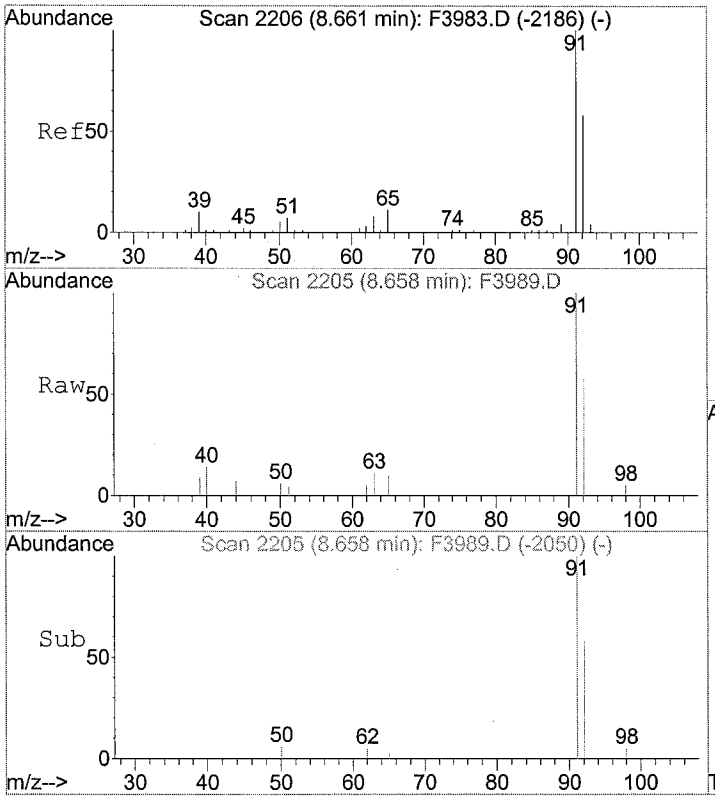
Tgt Ion: 84 Resp: 9870

Ion	Ratio	Lower	Upper
84	100		
49	122.7	97.6	137.6
86	64.9	44.0	84.0



000000039

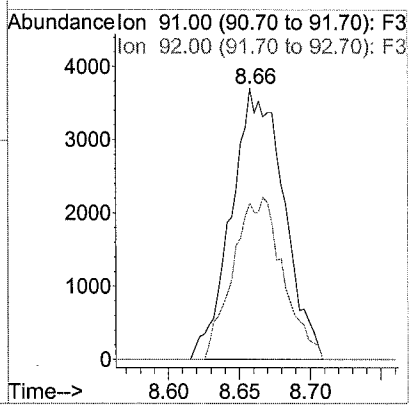
```
Data File : C:\MSDCHEM\1\DATA\F3989.D                    Vial: 38
Acq On    : 08/13/2010  1331                          Operator: AC
Sample    : 0012602-11                                Inst    : F-5973
Misc      : F3KC5    25ML                             Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title     : CLP SOM1.X-TRACE VOA-WATER  -25ML
```

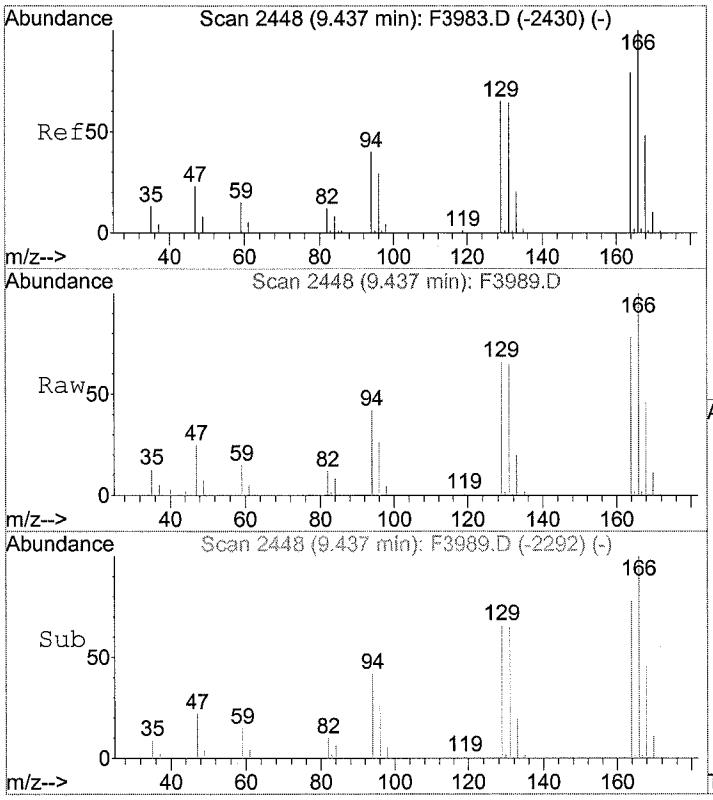


#42
Toluene
Concen: 0.1928 ug/L
RT: 8.66 min Scan# 2205
Delta R.T. -0.00 min
Lab File: F3989.D
Acq: 13 Aug 2010 13:31

Tgt Ion: 91 Resp: 9542

Ion	Ratio	Lower	Upper
91	100		
92	57.1	38.6	78.6

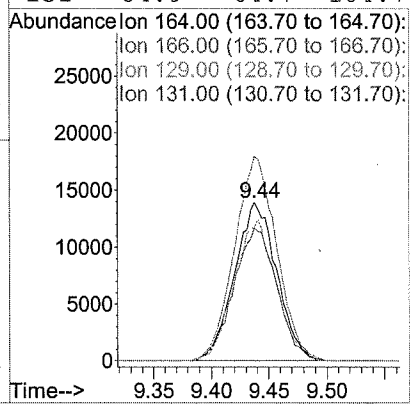




#46
Tetrachloroethene
Concen: 3.4699 ug/L
RT: 9.44 min Scan# 2448
Delta R.T. 0.00 min
Lab File: F3989.D
Acq: 13 Aug 2010 13:31

Tgt Ion:164 Resp: 35859

Ion	Ratio	Lower	Upper
164	100		
166	128.6	108.7	148.7
129	88.0	68.9	108.9
131	84.9	64.7	104.7



000000040

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3989.D
Acq On : 08/13/2010 1331
Sample : 0012602-11
Misc : F3KC5 25ML
MS Integration Params: Lscint.p

Vial: 38
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.5

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.964	37	119	371	rBV	4174436	29289025	100.00%	85.759%
2	2.814	371	384	480	rVB4	19217	135218	0.46%	0.396%
3	3.552	596	614	721	rBV4	45147	215960	0.74%	0.632%
4	4.024	747	761	799	rBV4	11656	38729	0.13%	0.113%
5	5.125	1090	1104	1120	rVB	3170	7235	0.02%	0.021%
6	5.227	1122	1136	1151	rVV2	19488	48479	0.17%	0.142%
7	5.324	1151	1166	1203	rVB2	150200	357638	1.22%	1.047%
8	5.590	1231	1249	1283	rVB3	87422	215439	0.74%	0.631%
9	5.885	1335	1341	1351	rVB3	1441	2693	0.01%	0.008%
10	6.200	1415	1439	1480	rVB4	183742	512049	1.75%	1.499%
11	6.662	1565	1583	1617	rBV	170921	417144	1.42%	1.221%
12	7.175	1725	1743	1767	rBV3	82224	216736	0.74%	0.635%
13	7.618	1872	1881	1890	rBV3	1158	2424	0.01%	0.007%
14	8.154	2030	2048	2069	rBV	102645	256304	0.88%	0.750%
15	8.571	2155	2178	2198	rBV	184197	467933	1.60%	1.370%
16	8.658	2198	2205	2222	rVB4	7765	18674	0.06%	0.055%
17	8.930	2272	2290	2307	rBV3	52743	132530	0.45%	0.388%
18	9.174	2357	2366	2384	rVB4	2434	5490	0.02%	0.016%
19	9.437	2431	2448	2464	rBV2	101327	261742	0.89%	0.766%
20	9.530	2464	2477	2503	rVB3	45309	116740	0.40%	0.342%
21	9.752	2544	2546	2560	rVB4	993	1323	0.00%	0.004%
22	9.980	2612	2617	2628	rVB3	1461	2180	0.01%	0.006%
23	10.705	2824	2843	2875	rVB2	175545	464283	1.59%	1.359%
24	11.080	2959	2960	2974	rVB3	1277	1129	0.00%	0.003%
25	12.380	3353	3365	3375	rBV2	47905	90091	0.31%	0.264%
26	12.438	3375	3383	3397	rVB	19850	32277	0.11%	0.095%
27	12.694	3457	3463	3467	rVB3	1330	1372	0.00%	0.004%
28	12.954	3536	3544	3566	rVB2	395	1390	0.00%	0.004%
29	13.429	3673	3692	3706	rBV	271002	449094	1.53%	1.315%
30	13.506	3706	3716	3726	rVB4	16968	24976	0.09%	0.073%
31	13.625	3743	3753	3776	rBV2	15825	26099	0.09%	0.076%
32	13.779	3789	3801	3814	rBV	198374	316113	1.08%	0.926%
33	14.170	3915	3923	3936	rVB2	5604	8202	0.03%	0.024%
34	15.130	4211	4222	4237	rBV7	4183	6861	0.02%	0.020%
35	15.467	4319	4327	4338	rVB4	1437	2510	0.01%	0.007%
36	16.208	4550	4558	4572	rBV3	495	1370	0.00%	0.004%
37	16.455	4629	4635	4639	rVB4	1109	1483	0.01%	0.004%
38	17.758	5040	5041	5061	rBV3	457	1254	0.00%	0.004%
39	18.907	5389	5399	5406	rVB3	483	1157	0.00%	0.003%

000000041

40	18.939	5406	5409	5423	rBV3	585	1363	0.00%	0.004%

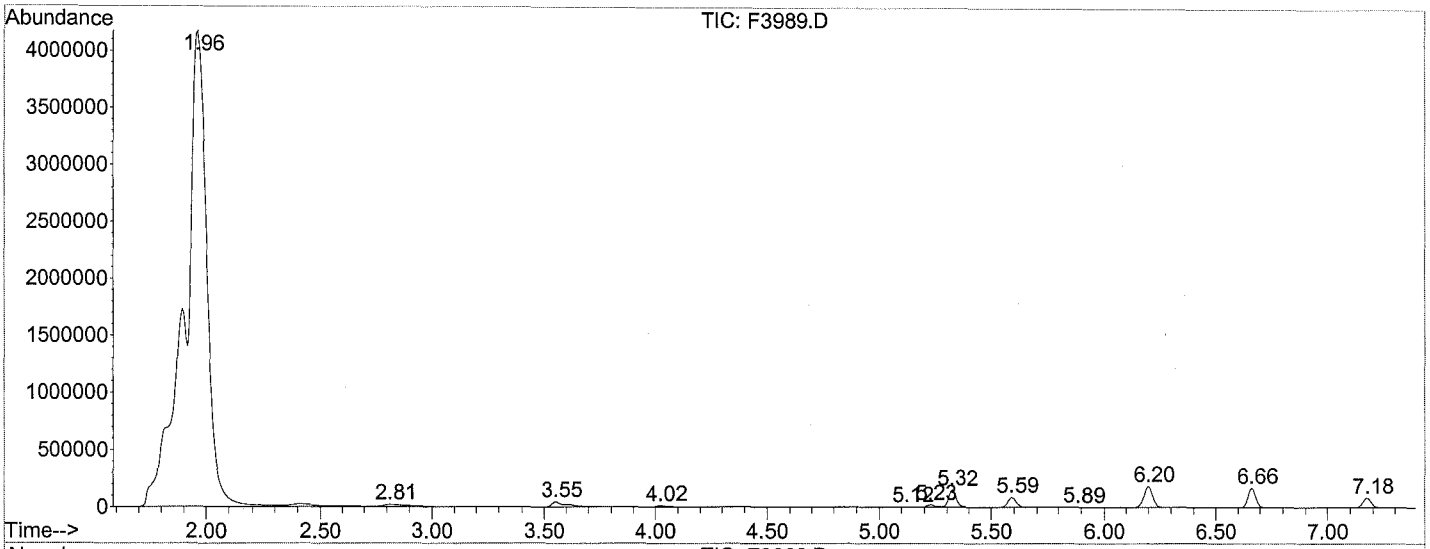
Sum of corrected areas: 34152709

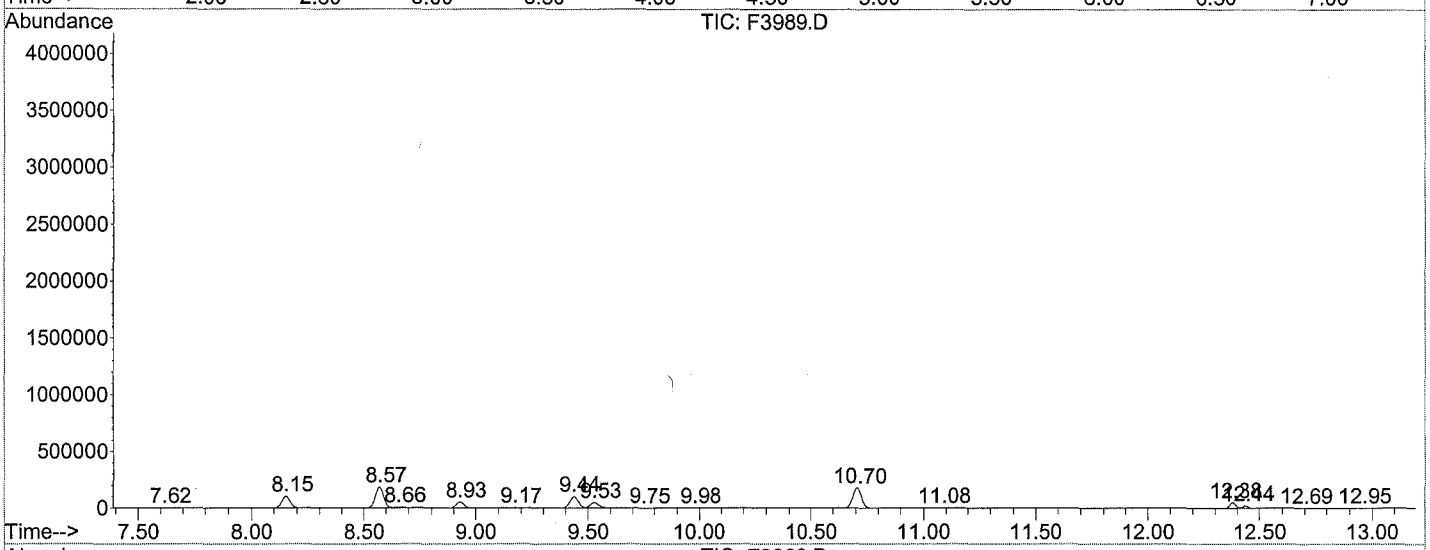
000000042

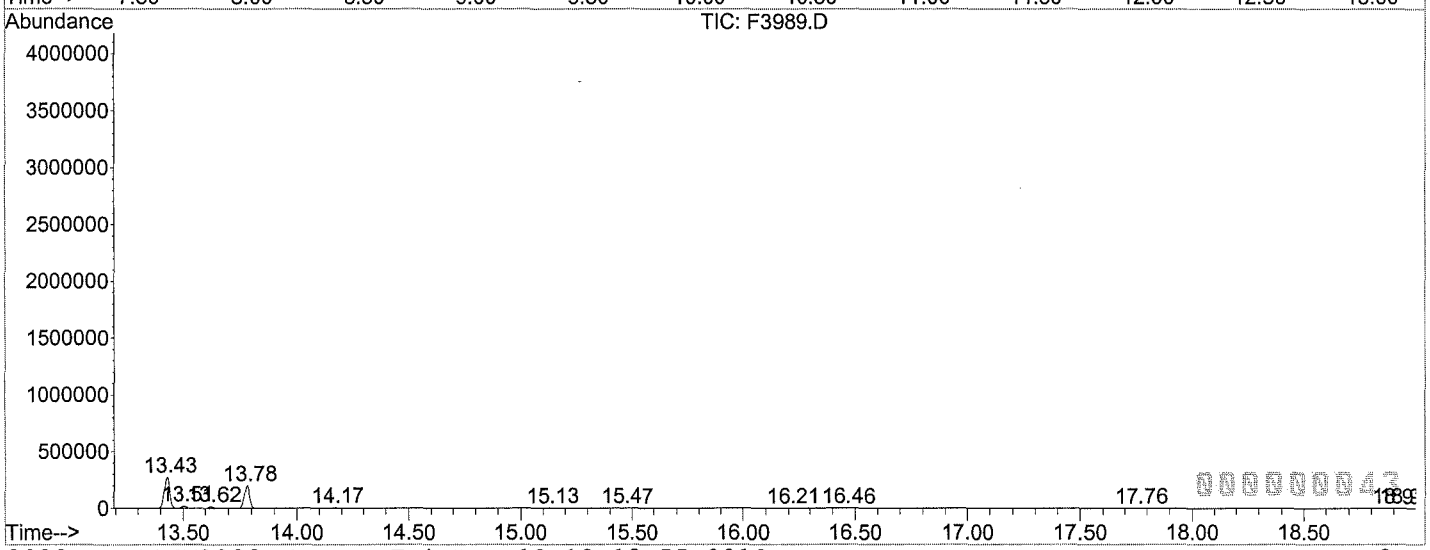
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3989.D
Acq On : 08/13/2010 1331
Sample : 0012602-11
Misc : F3KC5 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 38
Operator: AC
Inst : F-5973
Multiplr: 1.00







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3989.D Vial: 38
Acq On : 08/13/2010 1331 Operator: AC
Sample : 0012602-11 Inst : F-5973
Misc : F3KC5 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

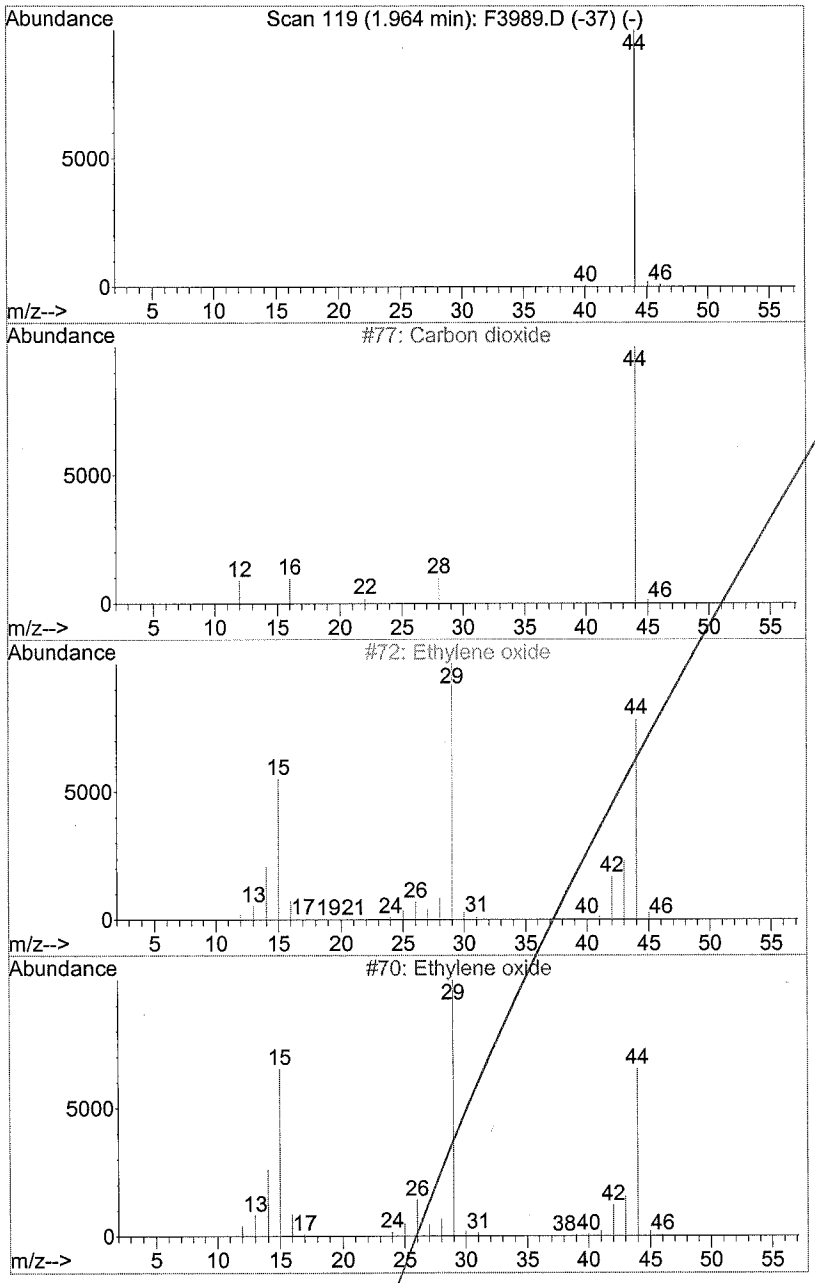
****

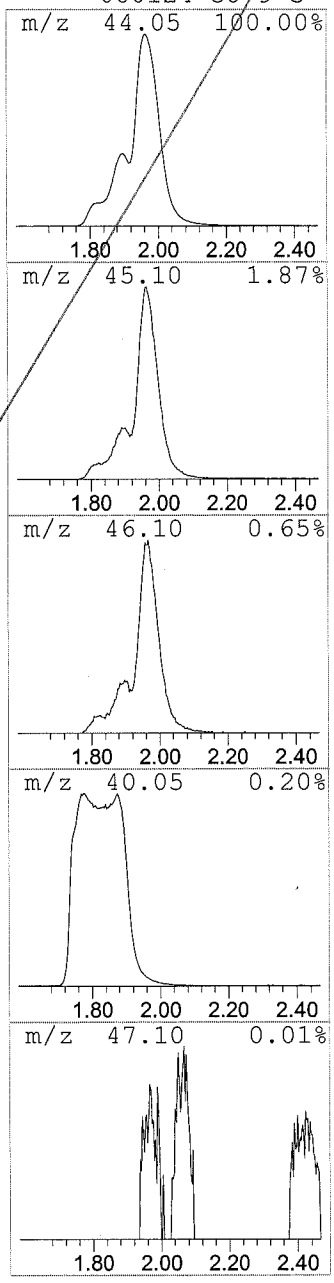
Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	351.07 ug/L	29289000	1,4-Difluorobenzene	6.66

CO2

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3





000000044

Library Search Compound Report

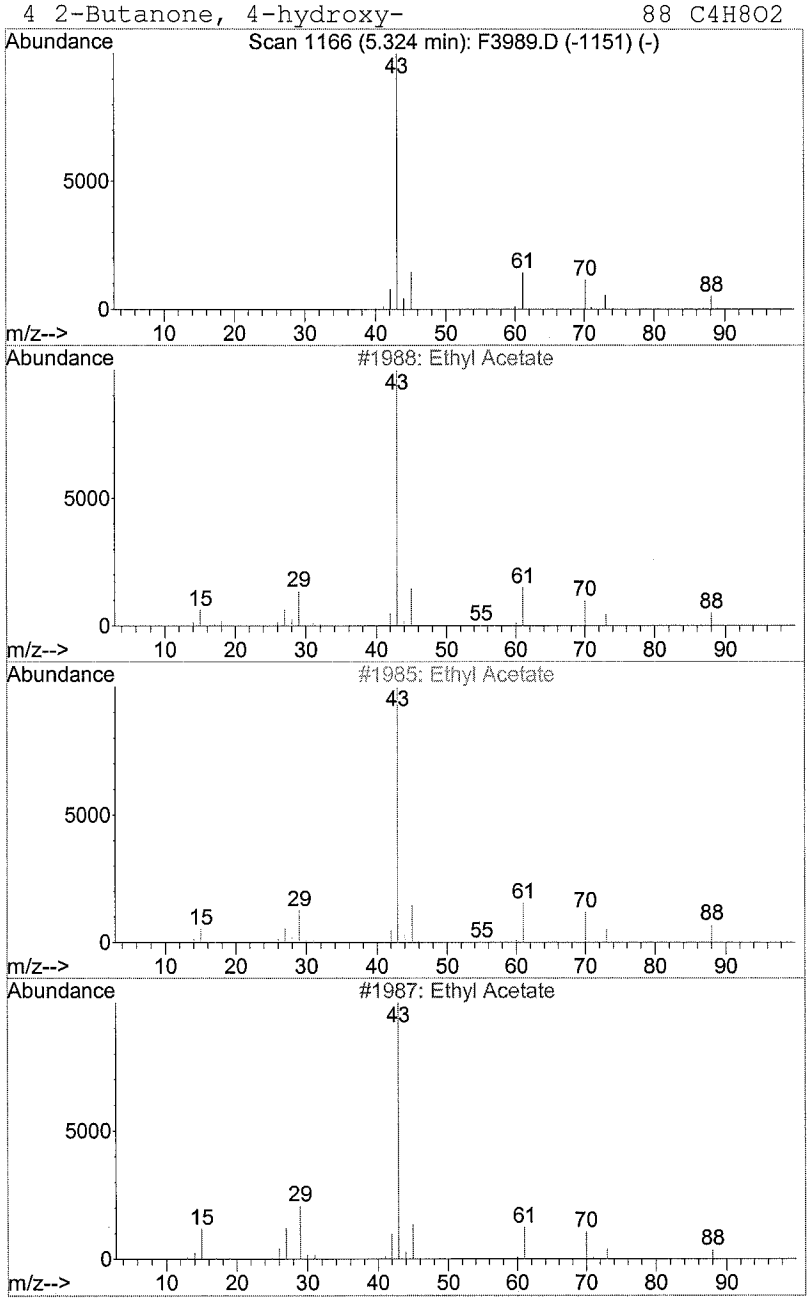
```
   Data File : C:\MSDCHEM\1\DATA\F3989.D                    Vial: 38
   Acq On    : 08/13/2010  1331                         Operator: AC
   Sample    : 0012602-11                               Inst    : F-5973
   Misc      : F3KC5    25ML                            Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
```

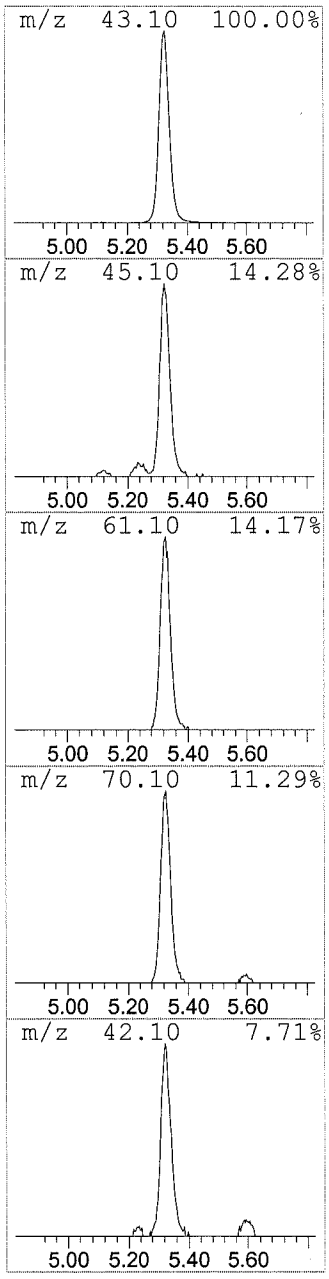
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	4.29 ug/L	357638	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	86
3	Ethyl Acetate	88	C4H8O2	000141-78-6	86
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	40





000000045

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3989.D Vial: 38
Acq On : 08/13/2010 1331 Operator: AC
Sample : 0012602-11 Inst : F-5973
Misc : F3KC5 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

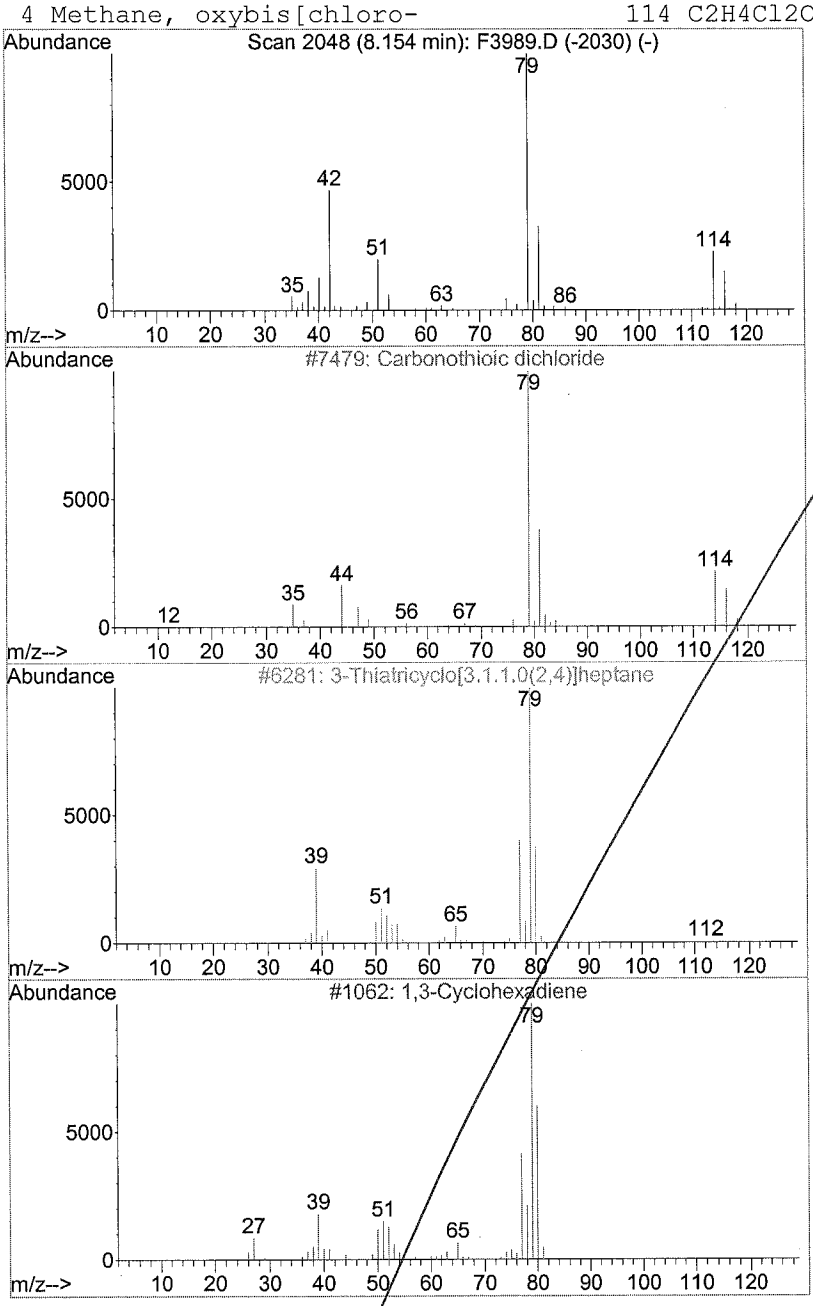
****

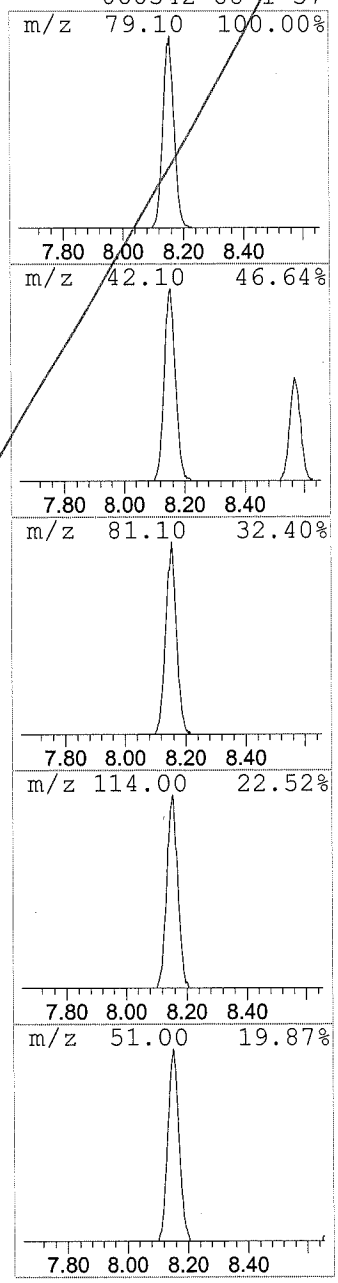
Peak Number 3 Carbonothioic dichloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.07 ug/L	256304	1,4-Difluorobenzene	6.66

Done as of 9/1

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	38
2	3-Thiatricyclo[3.1.1.0(2,4)]heptane	112	C6H8S	1000221-37-0	37
3	1,3-Cyclohexadiene	80	C6H8	000592-57-4	37
4	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	37





000000046

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 13:31
Data File: C:\MSDCHEM\1\DATA\F3989.D
Name: 0012602-11
Misc: F3KC5 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.96	351.1	ug/L	29289000	1	6.66	417144	5.0
Ethyl Acetate	5.32	4.3	ug/L	357638	1	6.66	417144	5.0
Carbonothioic dic...	8.15	3.1	ug/L	256304	1	6.66	417144	5.0

000000047

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-12

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3990.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	6.8	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.96	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-12

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3990.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.20	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	3.6	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KC6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-12

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3990.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.33	3.9	JN
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3990.D Vial: 39
Acq On : 08/13/2010 1358 Operator: AC
Sample : 0012602-12 Inst : F-5973
Misc : F3KC6 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:02:27 2010 Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	174646	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	146633	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	71205	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	54447	6.2118 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 124.24%		
7) Chloroethane-d5	2.81	69	53296	6.6790 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 133.58%#		
10) 1,1-Dichloroethene-d2	3.55	63	65739	4.2353 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 84.71%		
20) 2-Butanone-d5	5.23	46	27447	34.5014 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 69.00%		
24) Chloroform-d	5.59	84	83781	4.8358 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 96.72%		
26) 1,2-Dichloroethane-d4	6.18	65	36921	3.8221 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 76.44%#		
32) Benzene-d6	6.20	84	189105	5.5186 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 110.37%		
35) 1,2-Dichloropropane-d6	7.17	67	47540	4.2899 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 85.80%		
41) Toluene-d8	8.57	98	175886	5.2783 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 105.57%		
43) trans-1,3-Dichloropropene-	8.93	79	39215	3.9354 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 78.71%		
47) 2-Hexanone-d5	9.52	63	20363	34.7950 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 69.59%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	23838	3.1364 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 62.73%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	50348	4.8752 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 97.50%		

Target Compounds					Qvalue
13) Acetone	3.61	43	12644	6.8377 ug/L	100
16) Methylene Chloride	4.02	84	9233	0.9563 ug/L	95
42) Toluene	8.66	91	9277	0.2012 ug/L	97
46) Tetrachloroethene	9.44	164	35066	3.6423 ug/L	100

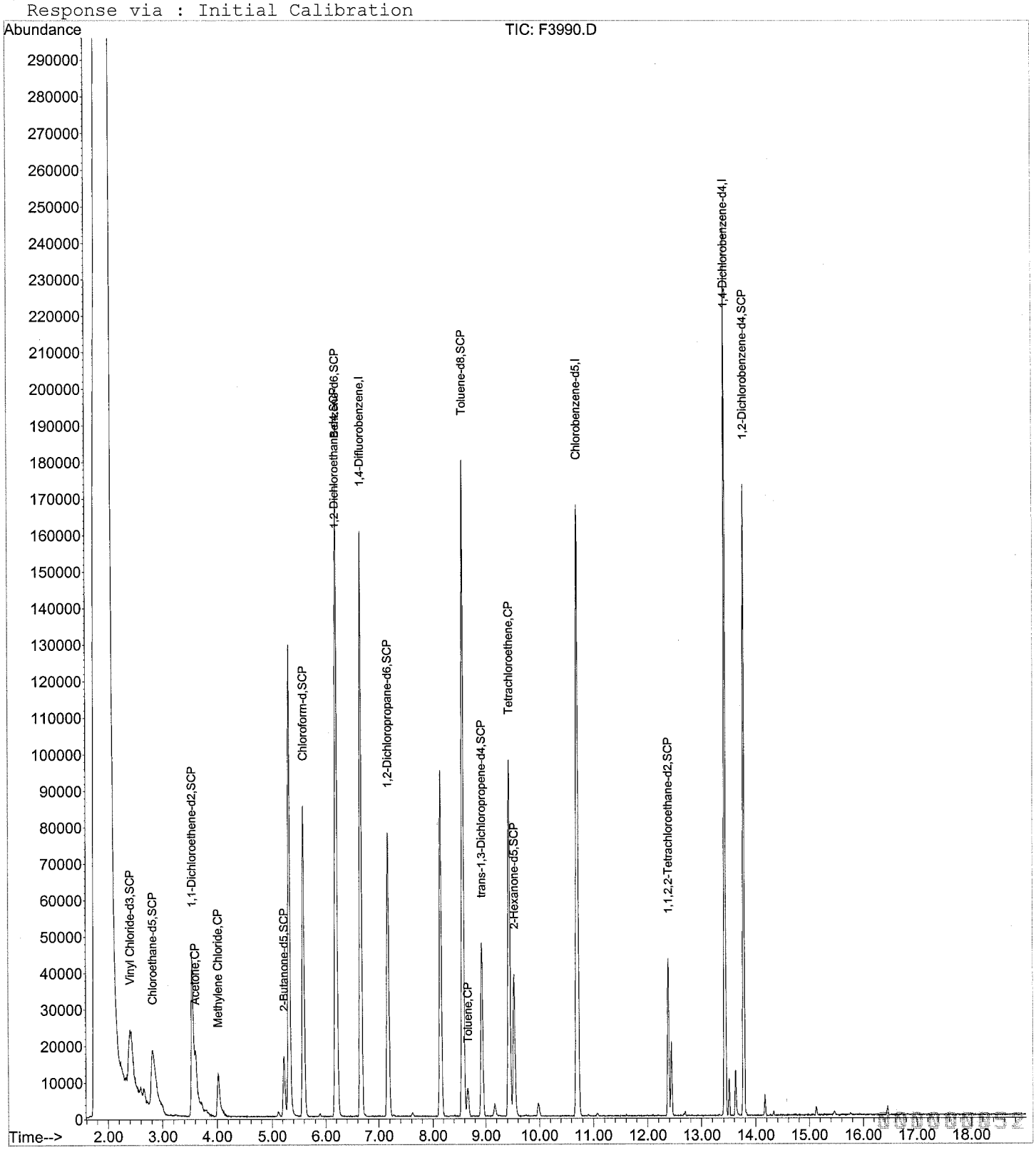
000000051

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

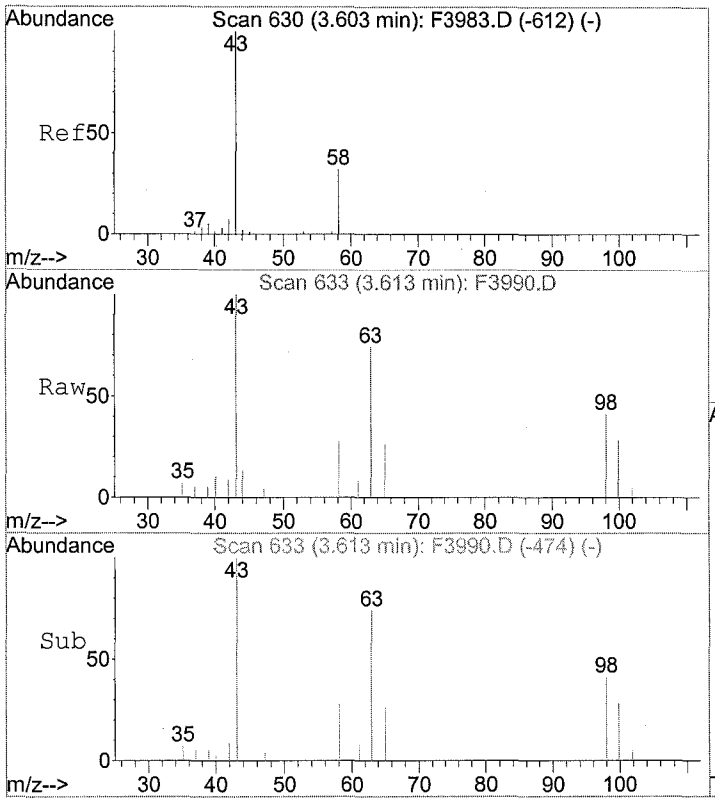
Data File : C:\MSDCHEM\1\DATA\F3990.D Vial: 39
Acq On : 08/13/2010 1358 Operator: AC
Sample : 0012602-12 Inst : F-5973
Misc : F3KC6 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:57 2010 Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\F3990.D
Acq On : 08/13/2010 1358
Sample : 0012602-12
Misc : F3KC6 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

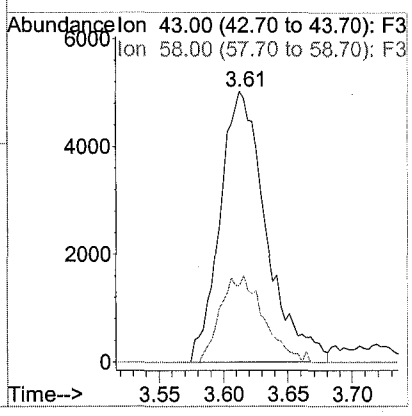
Vial: 39
Operator: AC
Inst : F-5973
Multiplr: 1.00

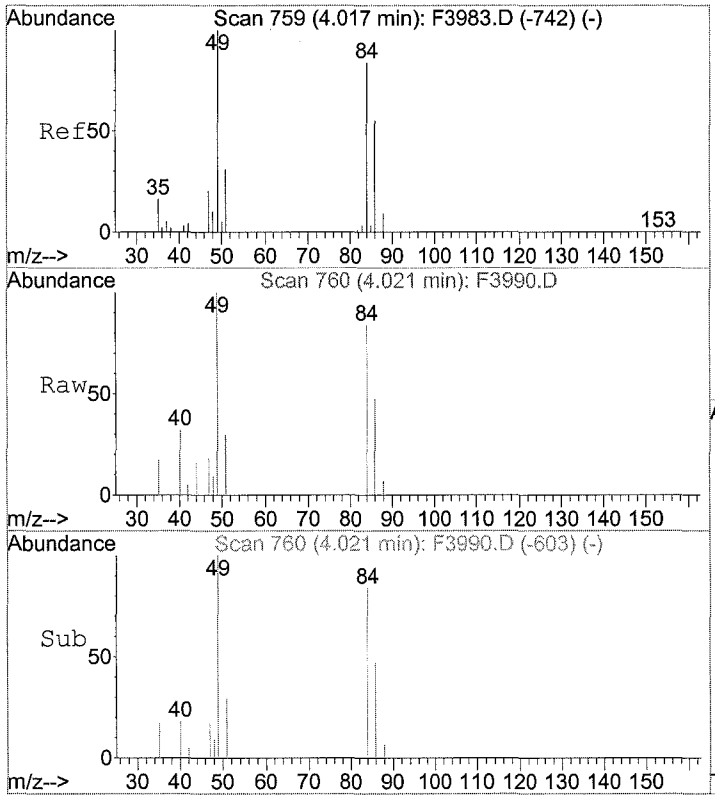


#13
Acetone
Concen: 6.8377 ug/L
RT: 3.61 min Scan# 633
Delta R.T. 0.01 min
Lab File: F3990.D
Acq: 13 Aug 2010 13:58

Tgt Ion: 43 Resp: 12644

Ion	Ratio	Lower	Upper
43	100		
58	29.4	9.3	49.3

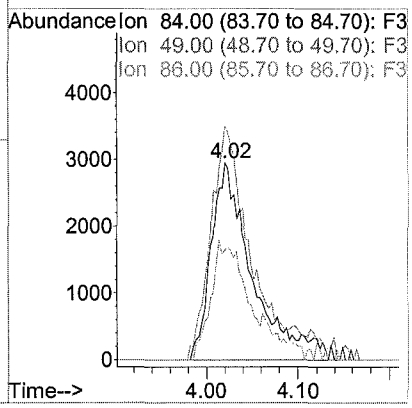




#16
Methylene Chloride
Concen: 0.9563 ug/L
RT: 4.02 min Scan# 760
Delta R.T. 0.00 min
Lab File: F3990.D
Acq: 13 Aug 2010 13:58

Tgt Ion: 84 Resp: 9233

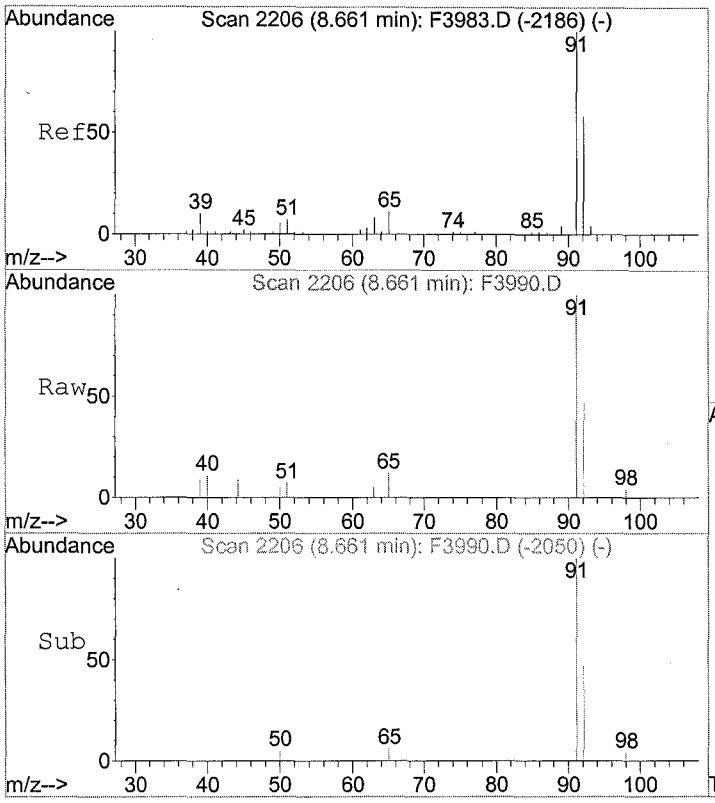
Ion	Ratio	Lower	Upper
84	100		
49	122.8	97.6	137.6
86	60.7	44.0	84.0



000000053

Data File : C:\MSDCHEM\1\DATA\F3990.D
Acq On : 08/13/2010 1358
Sample : 0012602-12
Misc : F3KC6 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

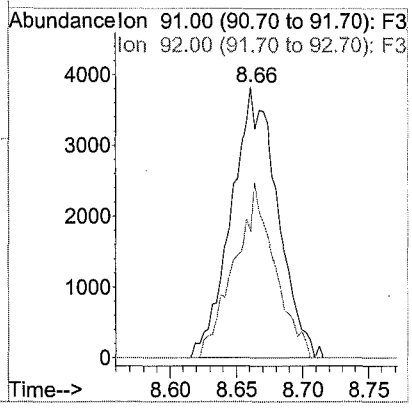
Vial: 39
Operator: AC
Inst : F-5973
Multiplr: 1.00

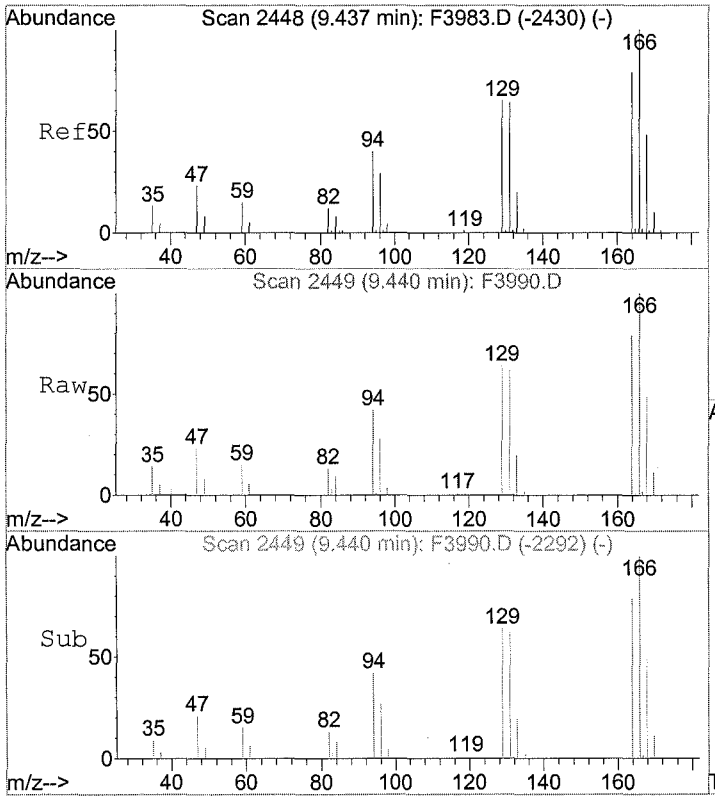


#42
Toluene
Concen: 0.2012 ug/L
RT: 8.66 min Scan# 2206
Delta R.T. -0.00 min
Lab File: F3990.D
Acq: 13 Aug 2010 13:58

Tgt Ion: 91 Resp: 9277

Ion	Ratio	Lower	Upper
91	100		
92	56.3	38.6	78.6

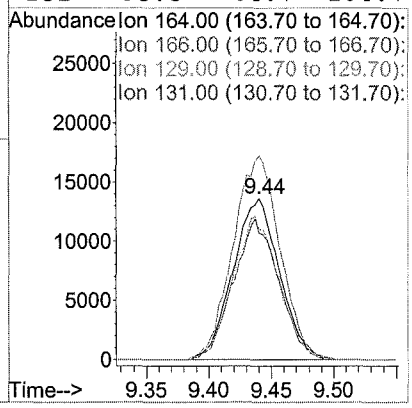




#46
Tetrachloroethene
Concen: 3.6423 ug/L
RT: 9.44 min Scan# 2449
Delta R.T. 0.00 min
Lab File: F3990.D
Acq: 13 Aug 2010 13:58

Tgt Ion:164 Resp: 35066

Ion	Ratio	Lower	Upper
164	100		
166	129.0	108.7	148.7
129	88.4	68.9	108.9
131	85.3	64.7	104.7



000000054

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3990.D
Acq On : 08/13/2010 1358
Sample : 0012602-12
Misc : F3KC6 25ML
MS Integration Params: Lscint.p

Vial: 39
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.5

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.964	36	119	373	rBV	4216412	29701506	100.00%	86.765%
2	2.817	373	385	459	rVB4	17799	123815	0.42%	0.362%
3	3.228	507	513	540	rVB3	553	1240	0.00%	0.004%
4	3.549	595	613	713	rBV4	45037	207083	0.70%	0.605%
5	4.021	746	760	801	rBV4	12011	41716	0.14%	0.122%
6	4.297	831	846	866	rBV2	407	1589	0.01%	0.005%
7	5.115	1096	1101	1121	rVB3	1331	2711	0.01%	0.008%
8	5.227	1121	1136	1151	rBV2	16446	41825	0.14%	0.122%
9	5.327	1151	1167	1211	rVB	129170	308555	1.04%	0.901%
10	5.590	1232	1249	1277	rVB3	85273	209395	0.70%	0.612%
11	5.891	1335	1343	1351	rVB5	830	1375	0.00%	0.004%
12	6.203	1417	1440	1468	rBV2	173529	486349	1.64%	1.421%
13	6.665	1564	1584	1609	rBV2	160329	391335	1.32%	1.143%
14	7.172	1726	1742	1766	rBV4	77715	203180	0.68%	0.594%
15	7.618	1876	1881	1893	rVB2	1164	1888	0.01%	0.006%
16	8.150	2028	2047	2071	rVB3	94994	237886	0.80%	0.695%
17	8.571	2159	2178	2198	rBV	179840	450251	1.52%	1.315%
18	8.664	2198	2207	2221	rVB2	7737	18670	0.06%	0.055%
19	8.927	2270	2289	2308	rBV4	47602	120809	0.41%	0.353%
20	9.164	2353	2363	2384	rVB3	3453	8111	0.03%	0.024%
21	9.440	2429	2449	2465	rBV3	97826	258300	0.87%	0.755%
22	9.533	2465	2478	2510	rVB2	38990	99937	0.34%	0.292%
23	9.976	2605	2616	2636	rVB5	3569	8927	0.03%	0.026%
24	10.708	2825	2844	2873	rBV2	167555	432375	1.46%	1.263%
25	11.064	2953	2955	2966	rVB2	762	1184	0.00%	0.003%
26	12.380	3349	3365	3375	rBV2	43147	80555	0.27%	0.235%
27	12.438	3375	3383	3396	rVB	20172	33514	0.11%	0.098%
28	12.694	3458	3463	3470	rVB4	1273	1769	0.01%	0.005%
29	13.429	3679	3692	3708	rVV	245824	406441	1.37%	1.187%
30	13.503	3708	3715	3728	rVB6	10122	14564	0.05%	0.043%
31	13.625	3744	3753	3782	rBV3	12402	22560	0.08%	0.066%
32	13.779	3788	3801	3821	rVB2	172990	292507	0.98%	0.854%
33	14.170	3914	3923	3933	rVB2	5919	8107	0.03%	0.024%
34	14.328	3969	3972	3979	rVB3	1223	1234	0.00%	0.004%
35	15.123	4217	4220	4236	rVB6	2425	3951	0.01%	0.012%
36	15.467	4319	4327	4334	rVB4	1136	1966	0.01%	0.006%
37	16.452	4632	4634	4643	rVB4	2571	2461	0.01%	0.007%
38	17.164	4846	4856	4862	rVB3	515	1162	0.00%	0.003%
39	17.925	5082	5093	5100	rVB3	478	1287	0.00%	0.004%

000000055

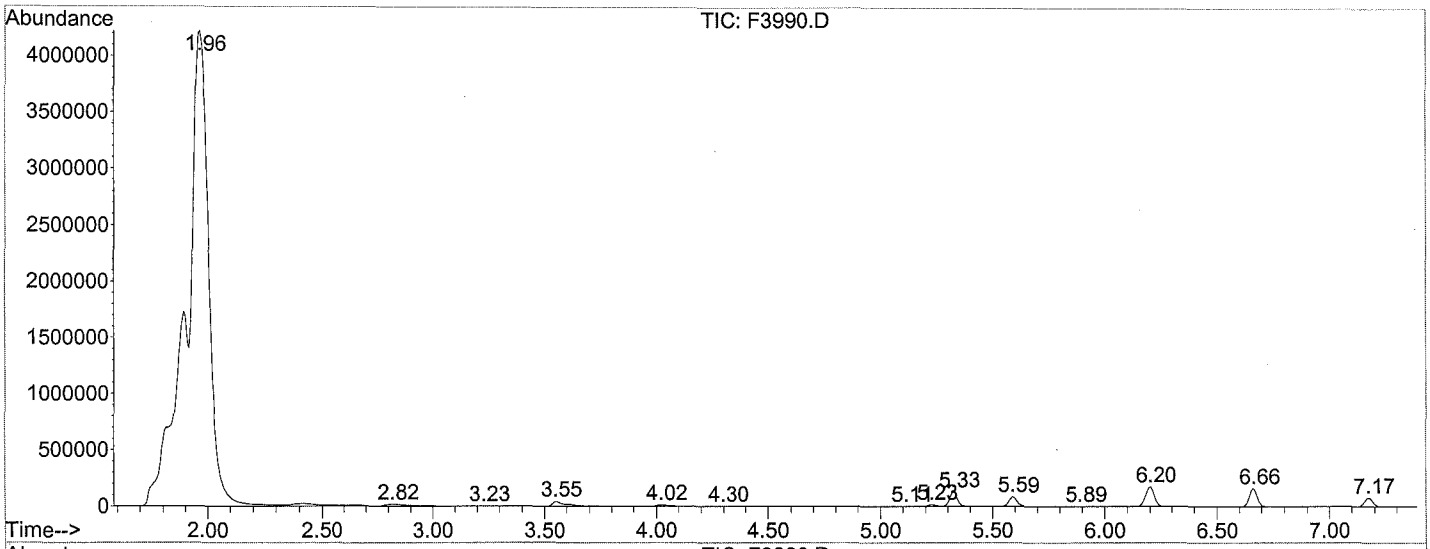
Sum of corrected areas: 34232090

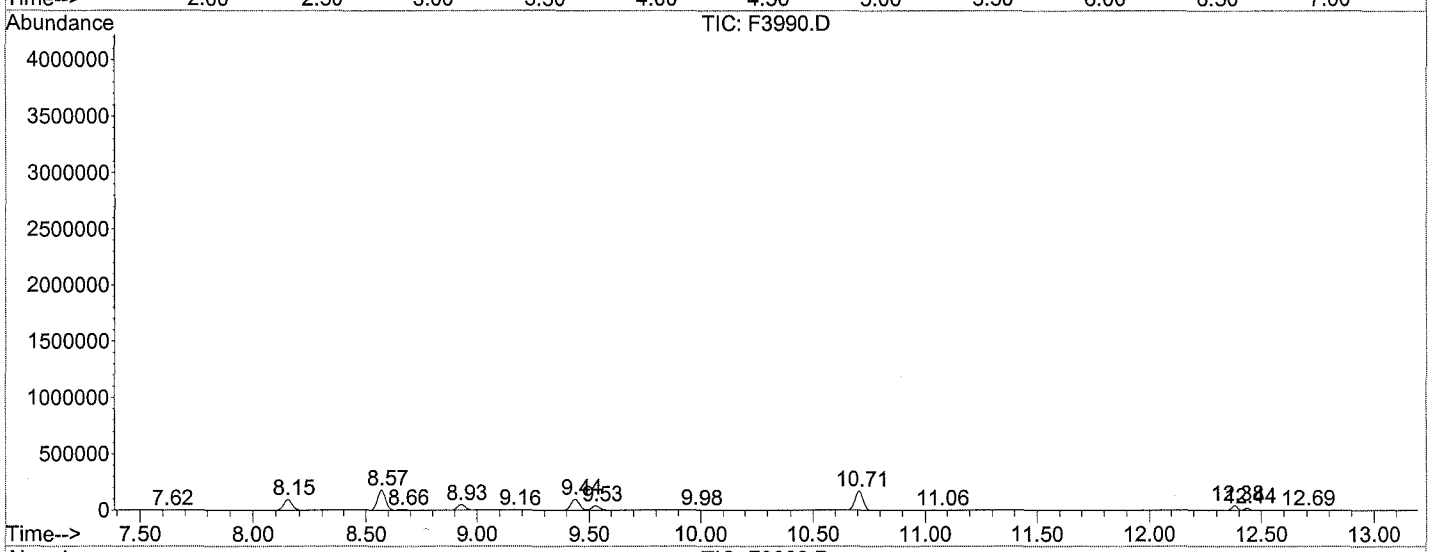
000000056

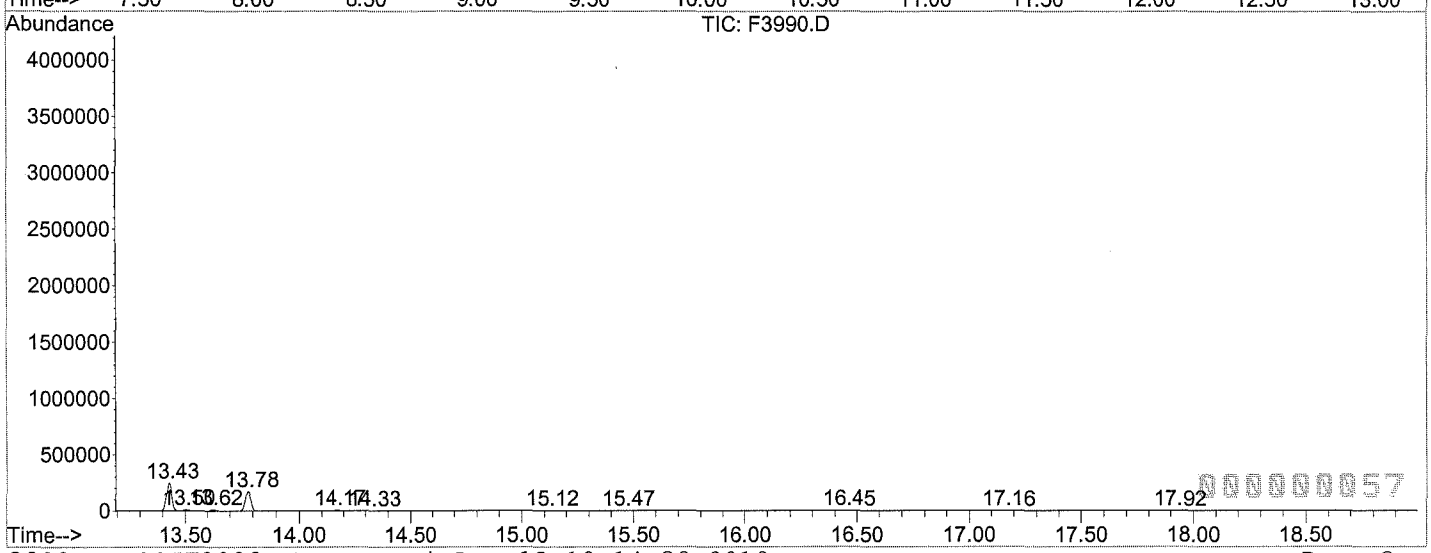
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3990.D
Acq On : 08/13/2010 1358
Sample : 0012602-12
Misc : F3KC6 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 39
Operator: AC
Inst : F-5973
Multiplr: 1.00







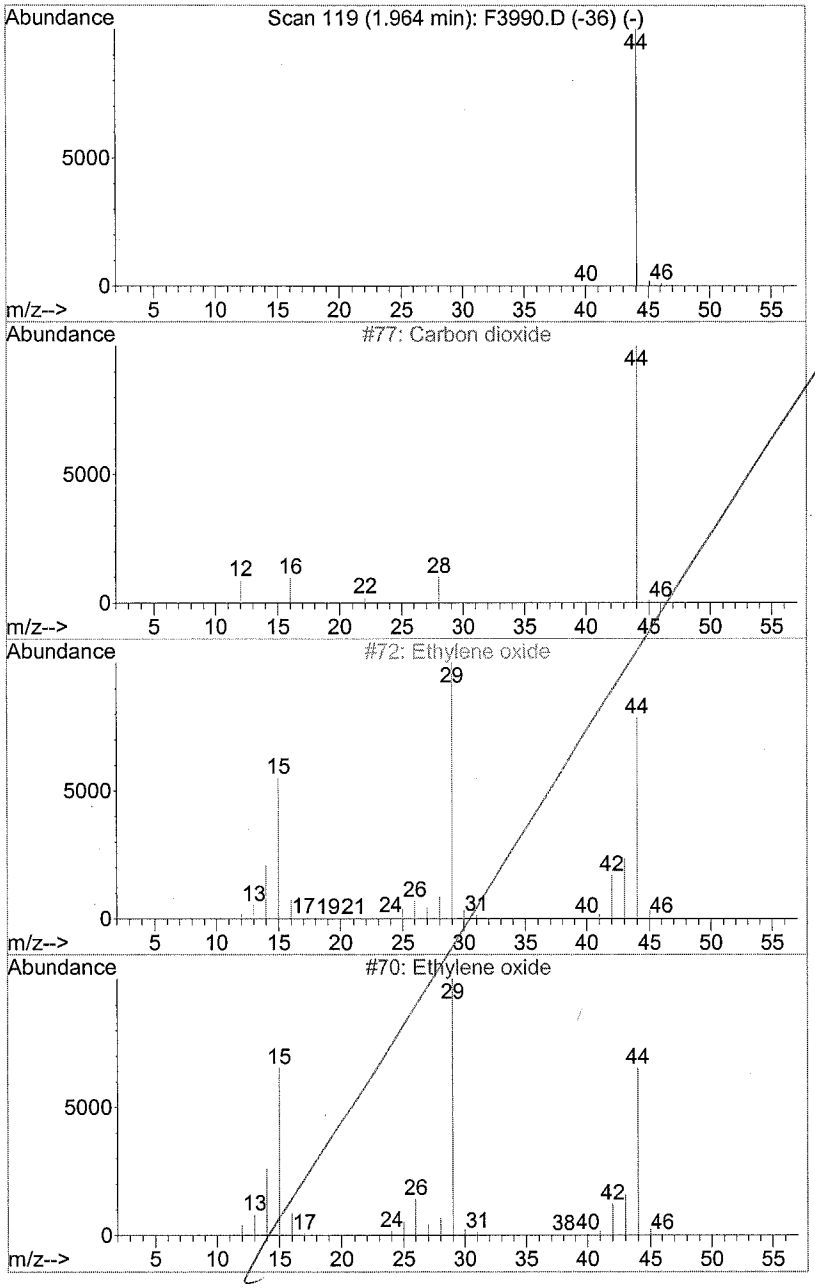
000000057

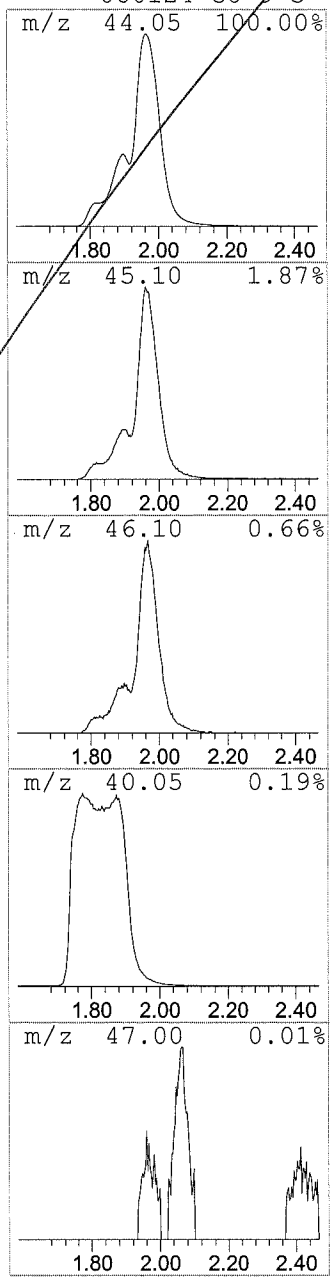
Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\F3990.D                    Vial: 39
   Acq On    : 08/13/2010  1358                         Operator: AC
   Sample    : 0012602-12                               Inst    : F-5973
   Misc      : F3KC6    25ML                            Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
*****************************************************************
Peak Number  1  Carbon dioxide                  Concentration Rank  1
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	379.49 ug/L	29701500	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3





Co2

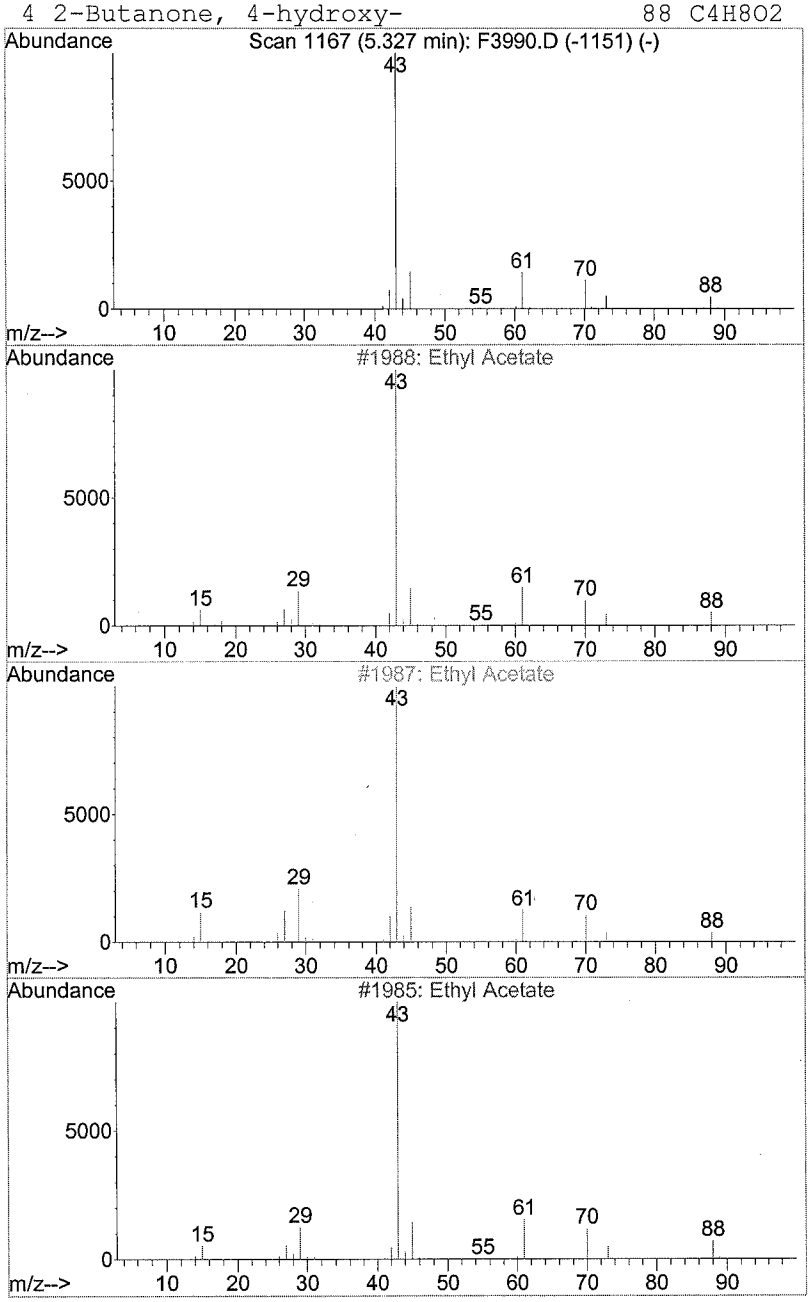
000000058

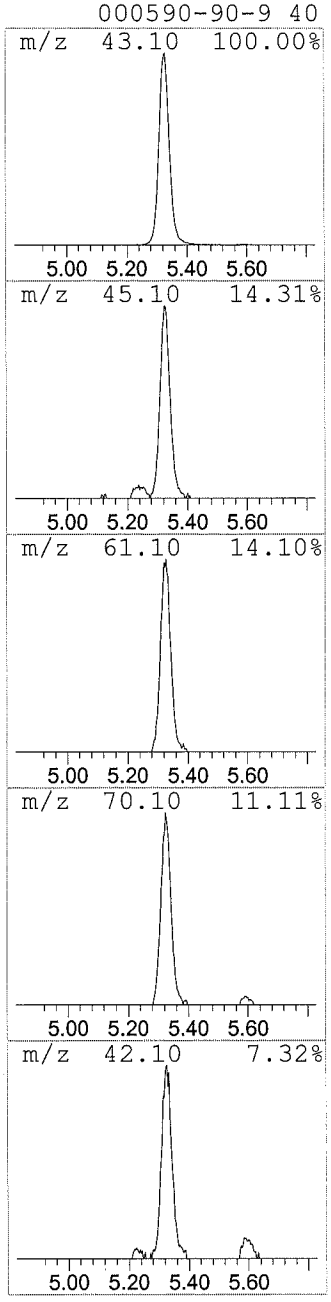
Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\F3990.D                    Vial: 39
   Acq On    : 08/13/2010  1358                         Operator: AC
   Sample    : 0012602-12                               Inst    : F-5973
   Misc      : F3KC6    25ML                            Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  2  Ethyl Acetate                   Concentration Rank  2
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.33	3.94 ug/L	308555	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	86
3	Ethyl Acetate	88	C4H8O2	000141-78-6	83
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	40





000000059

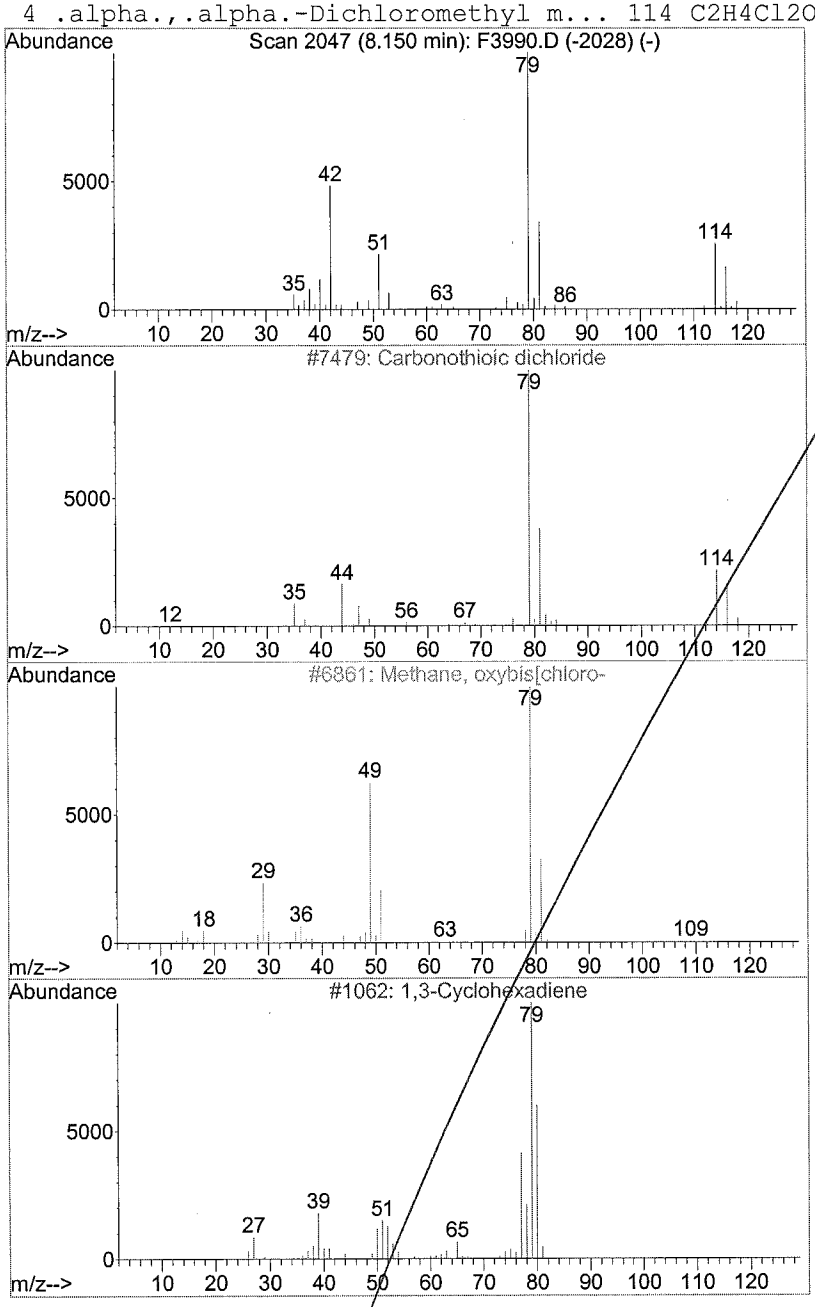
Library Search Compound Report

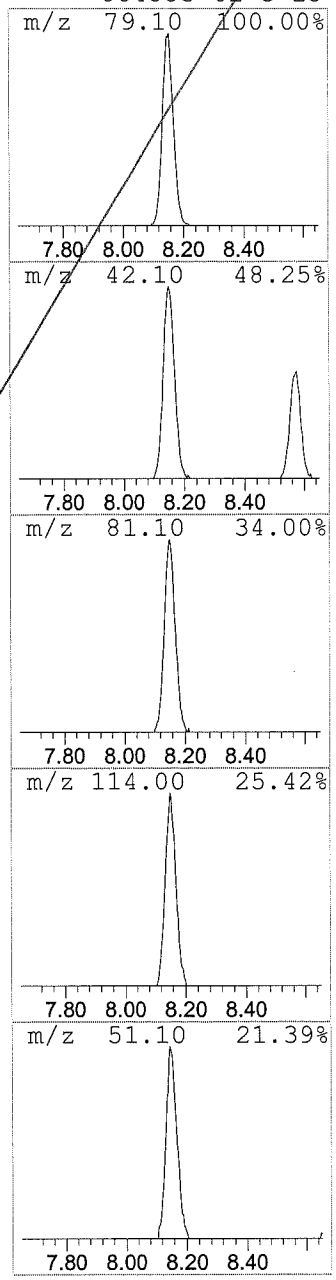
```
   Data File : C:\MSDCHEM\1\DATA\F3990.D                    Vial: 39
   Acq On    : 08/13/2010  1358                          Operator: AC
   Sample    : 0012602-12                                Inst    : F-5973
   Misc      : F3KC6    25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
*********************************************************************
Peak Number  3  Carbonothioic dichloride        Concentration Rank  3
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.04 ug/L	237886	1,4-Difluorobenzene	6.66

Done adjust

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	52
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	47
3	1,3-Cyclohexadiene	80	C6H8	000592-57-4	37
4	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	25





00000060

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 13:58
Data File: C:\MSDCHEM\1\DATA\F3990.D
Name: 0012602-12
Misc: F3KC6 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.96	379.5	ug/L	29701500	1	6.66	391335	5.0
Ethyl Acetate	5.33	3.9	ug/L	308555	1	6.66	391335	5.0
Carbonothioic dic...	8.15	3.0	ug/L	237886	1	6.66	391335	5.0

000000061

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-13

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3991.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	6.6	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.90	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-13

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3991.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.19	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	3.0	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KC7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-13

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3991.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.32	4.5	JN
02	000556-67-2	Cyclotetrasiloxane, octamet.	12.44	0.56	JN
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

000000064

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3991.D
Acq On : 08/13/2010 1426
Sample : 0012602-13
Misc : F3KC7 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:02:40 2010

Vial: 40
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	177541	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.70	117	150313	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	73107	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	54191	6.0818 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 121.64%		
7) Chloroethane-d5	2.83	69	52769	6.5051 ug/L	0.03
Spiked Amount 5.0000	Range 71 - 131		Recovery = 130.10%		
10) 1,1-Dichloroethene-d2	3.55	63	63740	4.0396 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 80.79%		
20) 2-Butanone-d5	5.22	46	29233	36.1472 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 72.29%		
24) Chloroform-d	5.59	84	83691	4.7518 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 95.04%		
26) 1,2-Dichloroethane-d4	6.18	65	38234	3.8935 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 77.87%#		
32) Benzene-d6	6.20	84	189901	5.4062 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 108.12%		
35) 1,2-Dichloropropane-d6	7.17	67	48690	4.2862 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 85.72%		
41) Toluene-d8	8.57	98	175434	5.1358 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 102.72%		
43) trans-1,3-Dichloropropene-	8.93	79	40856	3.9997 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 79.99%		
47) 2-Hexanone-d5	9.53	63	22500	37.5053 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 75.01%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	25426	3.2634 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 65.27%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	51347	4.8426 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 96.85%		

Target Compounds					Qvalue
13) Acetone	3.61	43	12341	6.5650 ug/L	98
16) Methylene Chloride	4.02	84	8807	0.8973 ug/L	96
42) Toluene	8.66	91	9093	0.1923 ug/L	99
46) Tetrachloroethene	9.44	164	29394	2.9784 ug/L	98

000000065

(#) = qualifier out of range (m) = manual integration (+) = signals summed

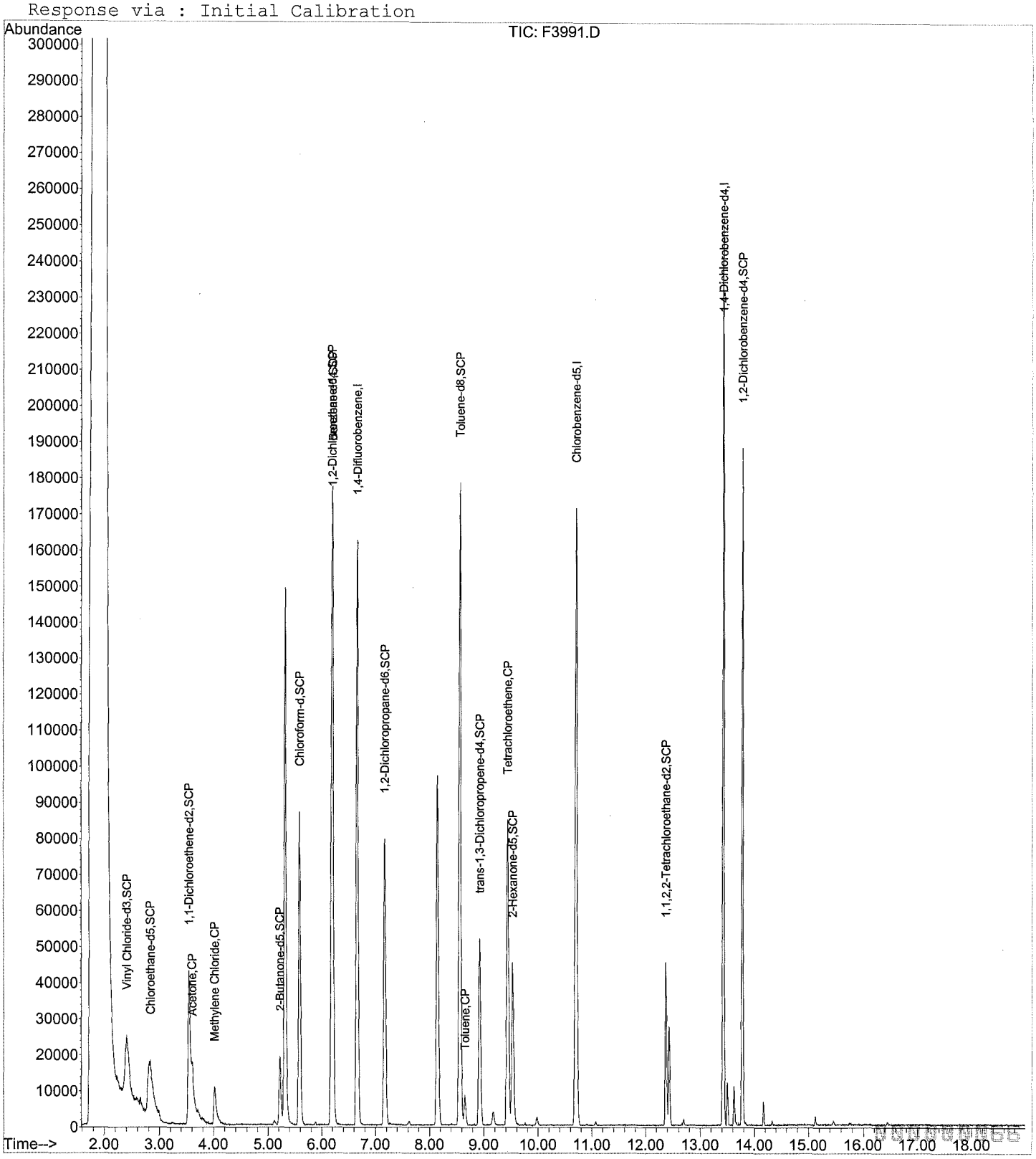
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3991.D
Acq On : 08/13/2010 1426
Sample : 0012602-13
Misc : F3KC7 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:58 2010

Vial: 40
Operator: AC
Inst : F-5973
Multiplr: 1.00

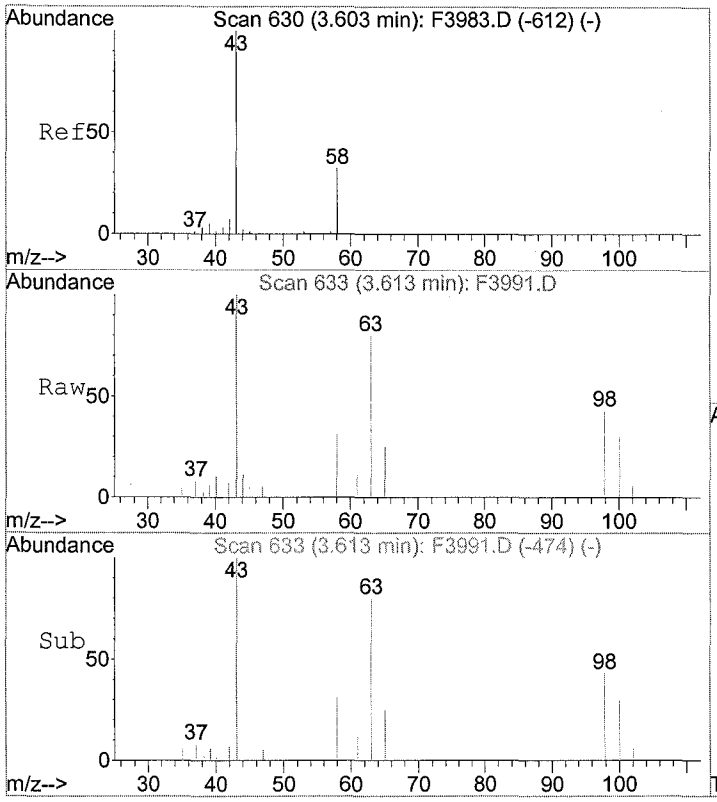
Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\F3991.D
Acq On : 08/13/2010 1426
Sample : 0012602-13
Misc : F3KC7 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

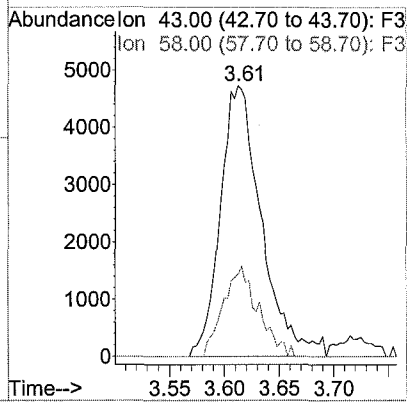
Vial: 40
Operator: AC
Inst : F-5973
Multiplr: 1.00

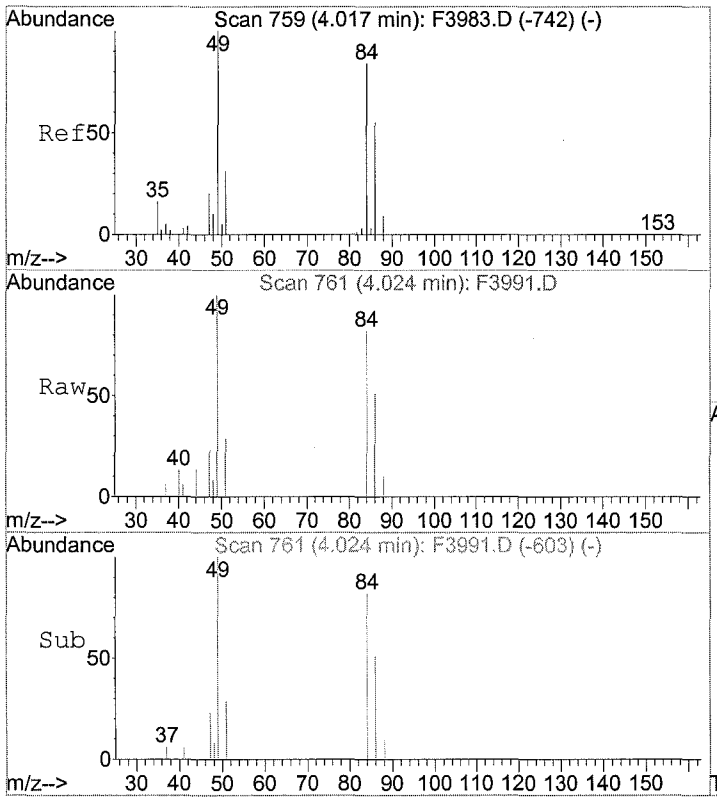


#13
Acetone
Concen: 6.5650 ug/L
RT: 3.61 min Scan# 633
Delta R.T. 0.01 min
Lab File: F3991.D
Acq: 13 Aug 2010 14:26

Tgt Ion: 43 Resp: 12341

Ion	Ratio	Lower	Upper
43	100		
58	28.5	9.3	49.3

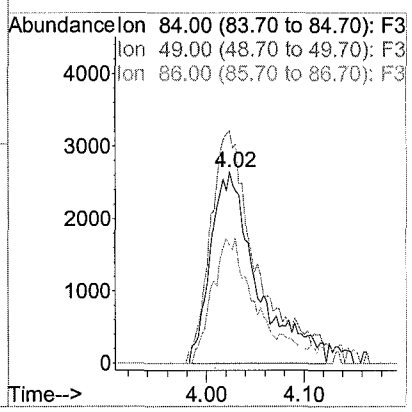




#16
Methylene Chloride
Concen: 0.8973 ug/L
RT: 4.02 min Scan# 761
Delta R.T. 0.01 min
Lab File: F3991.D
Acq: 13 Aug 2010 14:26

Tgt Ion: 84 Resp: 8807

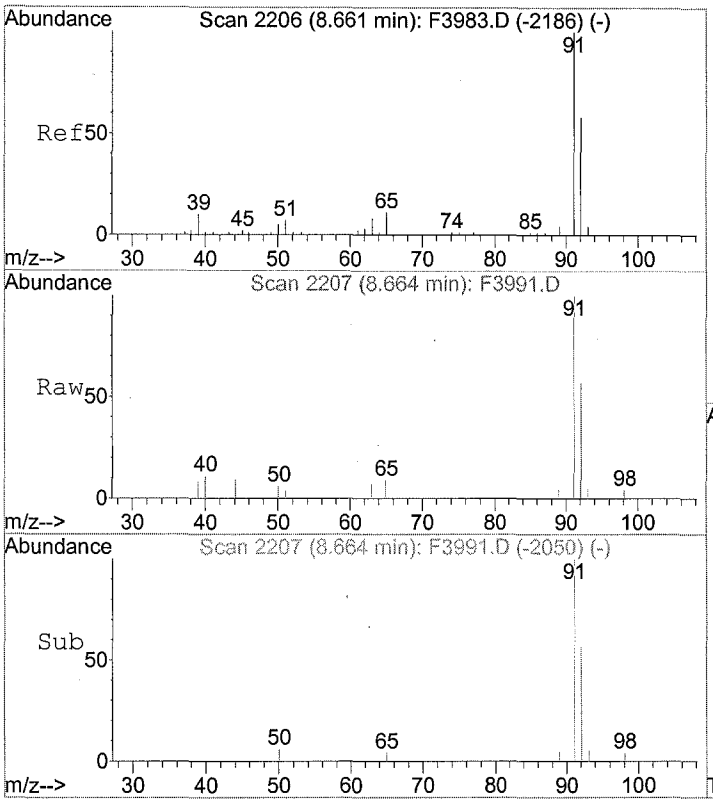
Ion	Ratio	Lower	Upper
84	100		
49	123.5	97.6	137.6
86	64.4	44.0	84.0



000000067

Data File : C:\MSDCHEM\1\DATA\F3991.D
Acq On : 08/13/2010 1426
Sample : 0012602-13
Misc : F3KC7 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

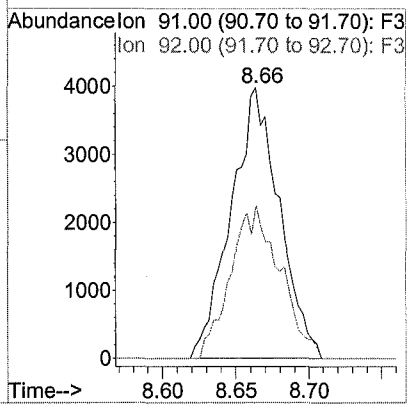
Vial: 40
Operator: AC
Inst : F-5973
Multiplr: 1.00

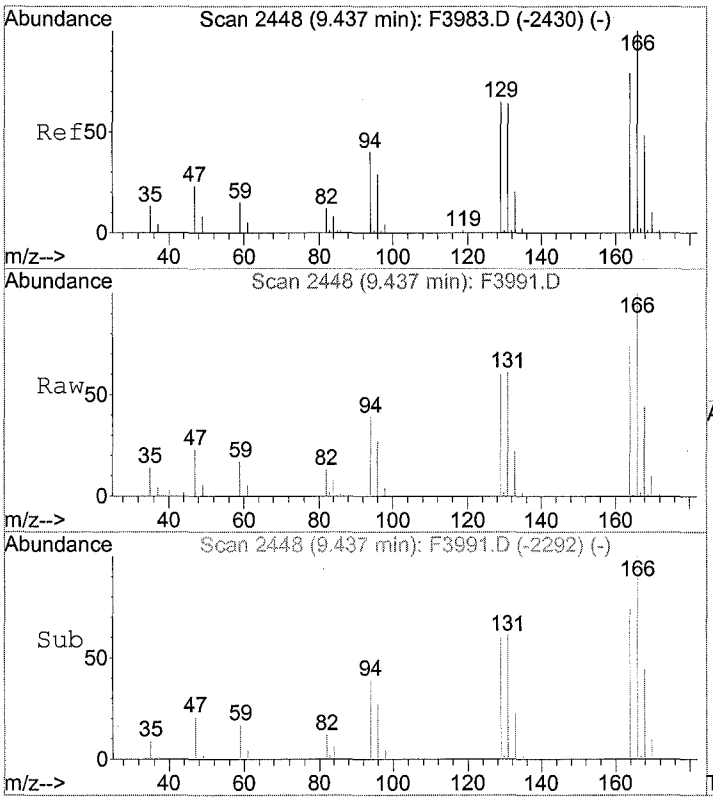


#42
Toluene
Concen: 0.1923 ug/L
RT: 8.66 min Scan# 2207
Delta R.T. 0.00 min
Lab File: F3991.D
Acq: 13 Aug 2010 14:26

Tgt Ion: 91 Resp: 9093

Ion	Ratio	Lower	Upper
91	100		
92	57.7	38.6	78.6

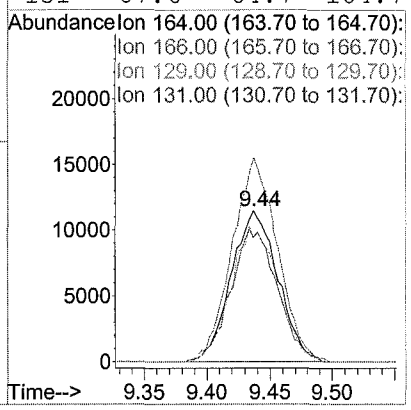




#46
Tetrachloroethene
Concen: 2.9784 ug/L
RT: 9.44 min Scan# 2448
Delta R.T. -0.00 min
Lab File: F3991.D
Acq: 13 Aug 2010 14:26

Tgt Ion:164 Resp: 29394

Ion	Ratio	Lower	Upper
164	100		
166	131.8	108.7	148.7
129	89.6	68.9	108.9
131	87.6	64.7	104.7



00000068

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3991.D
Acq On : 08/13/2010 1426
Sample : 0012602-13
Misc : F3KC7 25ML
MS Integration Params: Lscint.p

Vial: 40
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.5

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.960	34	118	476	rBV	3994027	27900847	100.00%	86.151%
2	3.250	518	520	560	rVB2	598	1269	0.00%	0.004%
3	3.552	598	614	686	rBV4	42202	188127	0.67%	0.581%
4	3.789	686	688	713	rVB3	2002	5509	0.02%	0.017%
5	4.021	747	760	794	rBV4	10323	34579	0.12%	0.107%
6	4.508	866	912	913	rBV2	528	2609	0.01%	0.008%
7	5.121	1095	1103	1121	rVB2	1141	2230	0.01%	0.007%
8	5.224	1121	1135	1151	rBV2	18813	45858	0.16%	0.142%
9	5.323	1151	1166	1219	rVB	149014	356414	1.28%	1.101%
10	5.590	1232	1249	1275	rVB	86883	209940	0.75%	0.648%
11	6.203	1418	1440	1470	rBV3	177046	492548	1.77%	1.521%
12	6.661	1566	1583	1615	rBV2	162255	399119	1.43%	1.232%
13	7.172	1722	1742	1767	rBV2	79346	208128	0.75%	0.643%
14	7.624	1874	1883	1892	rVB4	1108	2181	0.01%	0.007%
15	8.150	2028	2047	2071	rVB2	96997	245189	0.88%	0.757%
16	8.571	2158	2178	2199	rBV2	178051	449839	1.61%	1.389%
17	8.664	2199	2207	2231	rVB2	8277	17435	0.06%	0.054%
18	8.930	2274	2290	2313	rVB	51727	126374	0.45%	0.390%
19	9.171	2353	2365	2384	rVB2	3607	9168	0.03%	0.028%
20	9.437	2431	2448	2465	rBV2	84615	218116	0.78%	0.673%
21	9.527	2465	2476	2504	rVB2	44901	110516	0.40%	0.341%
22	9.983	2608	2618	2640	rVB5	2411	5944	0.02%	0.018%
23	10.705	2825	2843	2877	rVB	171123	442911	1.59%	1.368%
24	12.377	3352	3364	3375	rBV2	45045	84995	0.30%	0.262%
25	12.437	3375	3383	3400	rVB2	27290	47217	0.17%	0.146%
26	12.543	3408	3416	3434	rBV2	409	1382	0.00%	0.004%
27	12.697	3456	3464	3476	rVB	1760	2533	0.01%	0.008%
28	13.426	3674	3691	3708	rVB	250757	421169	1.51%	1.300%
29	13.506	3708	3716	3727	rBV3	11790	17549	0.06%	0.054%
30	13.628	3744	3754	3766	rBV3	10865	17333	0.06%	0.054%
31	13.779	3788	3801	3813	rBV	187689	296215	1.06%	0.915%
32	14.170	3915	3923	3933	rBV	6559	8529	0.03%	0.026%
33	14.334	3970	3974	3980	rVB3	1379	1500	0.01%	0.005%
34	15.130	4215	4222	4240	rVB5	2538	3836	0.01%	0.012%
35	15.460	4323	4325	4338	rVB3	1329	1755	0.01%	0.005%
36	15.759	4411	4418	4427	rBV2	733	1288	0.00%	0.004%
37	15.852	4440	4447	4461	rBV2	509	1206	0.00%	0.004%
38	16.449	4629	4633	4642	rVB3	920	1421	0.01%	0.004%
39	18.047	5124	5131	5142	rBV2	503	1222	0.00%	0.004%

000000069

40	18.945	5391	5411	5423	rBV3	555	2093	0.01%	0.006%

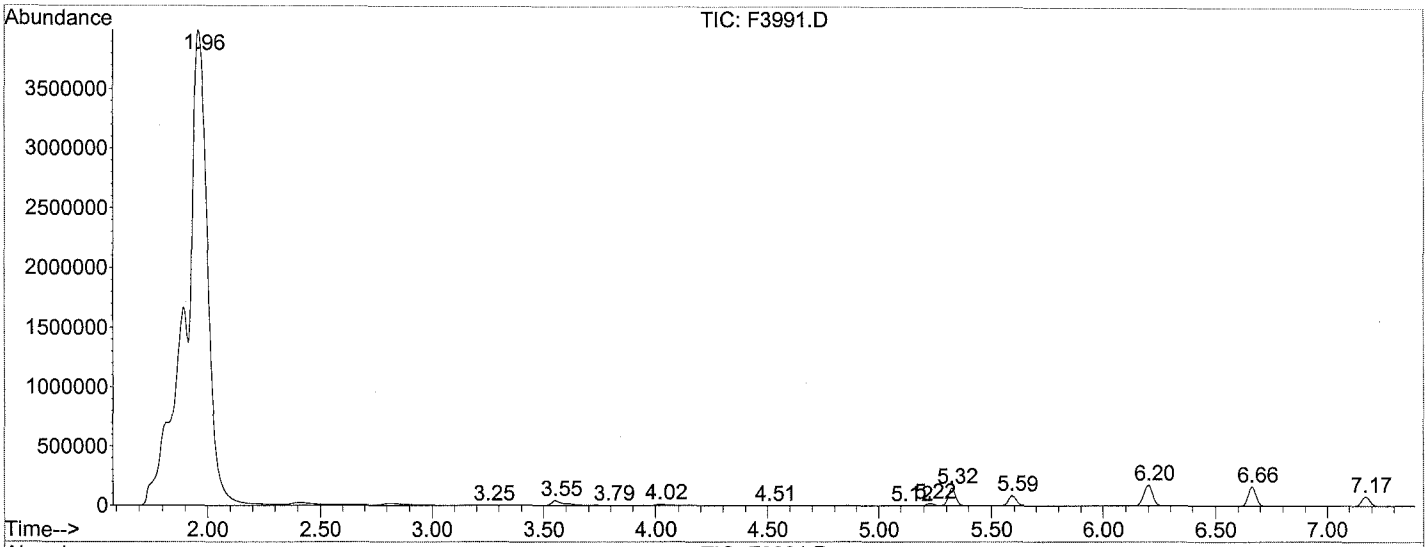
Sum of corrected areas: 32386093

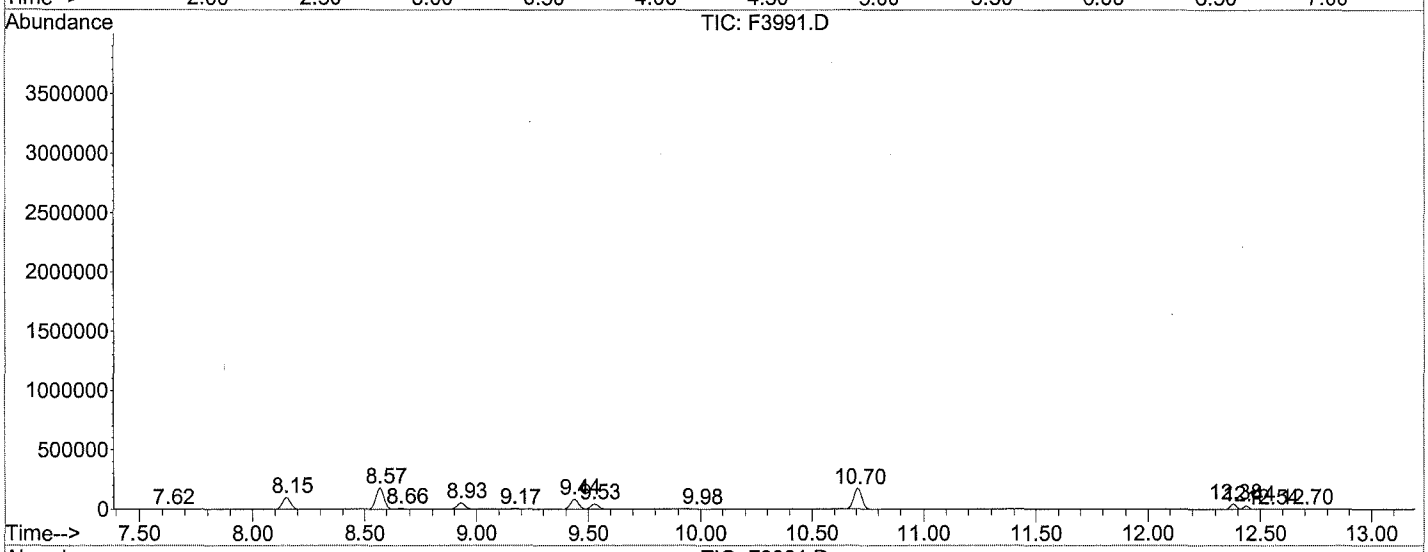
000000070

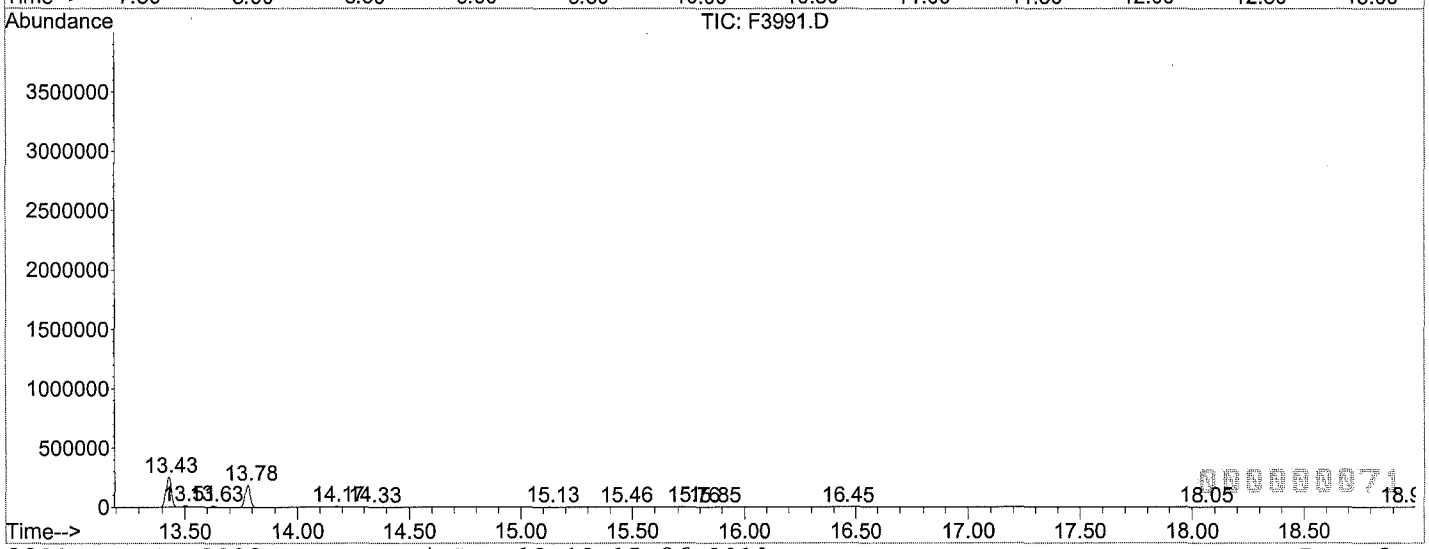
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3991.D
Acq On : 08/13/2010 1426
Sample : 0012602-13
Misc : F3KC7 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 40
Operator: AC
Inst : F-5973
Multiplr: 1.00







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3991.D Vial: 40
Acq On : 08/13/2010 1426 Operator: AC
Sample : 0012602-13 Inst : F-5973
Misc : F3KC7 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

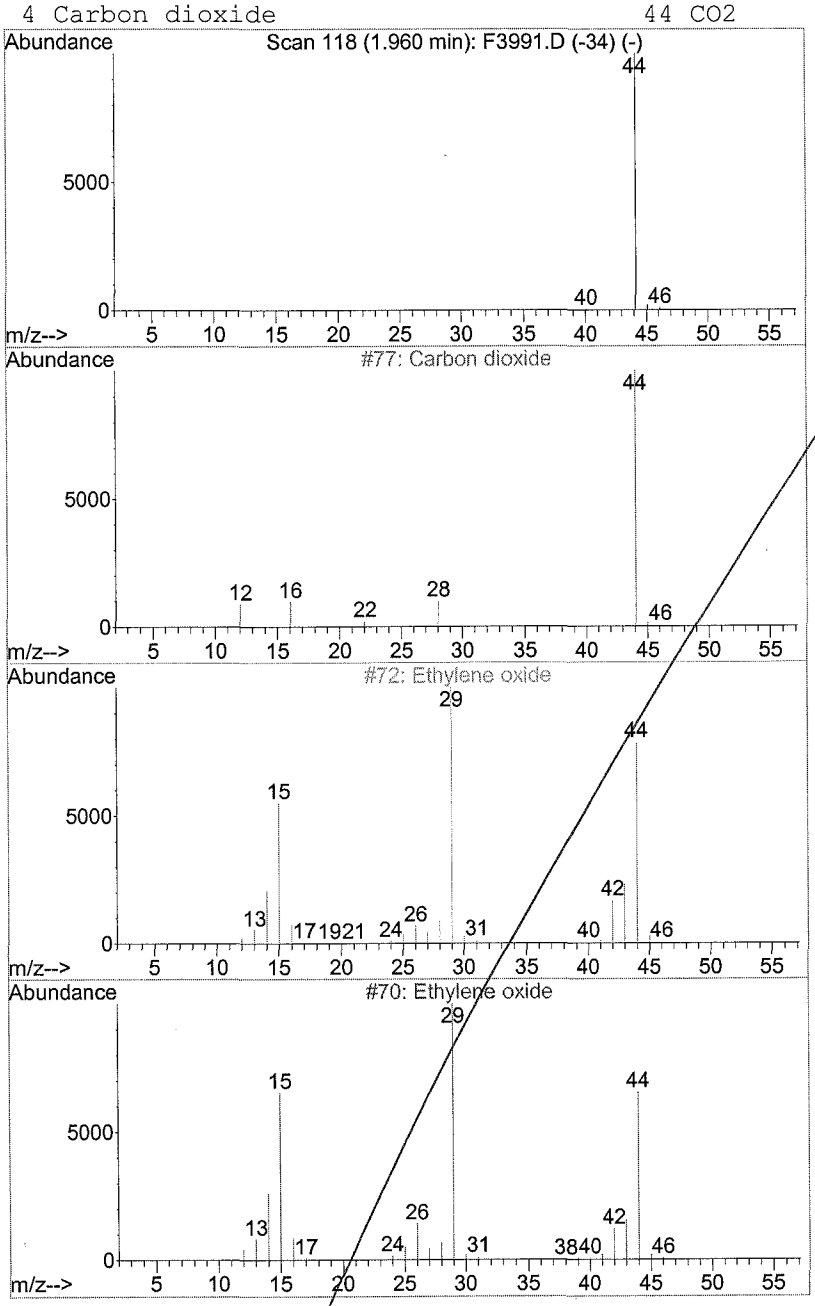
****

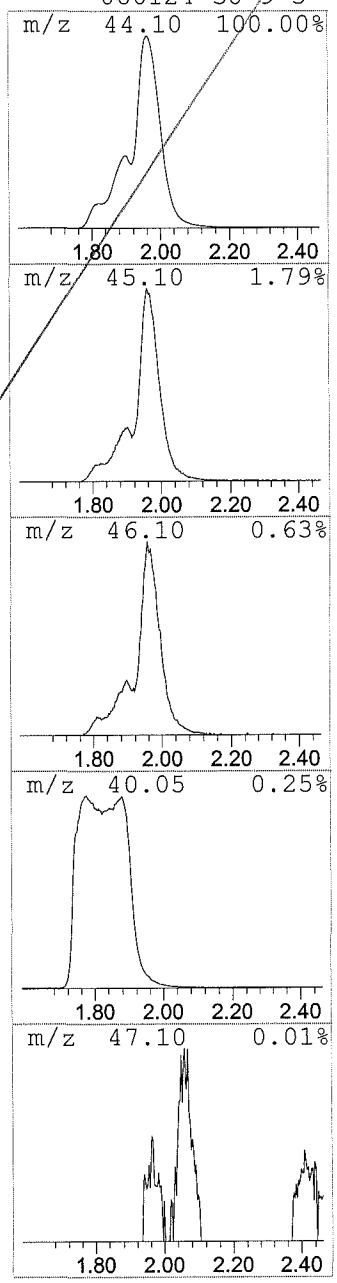
Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	349.53 ug/L	27900800	1,4-Difluorobenzene	6.66

CO2

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3





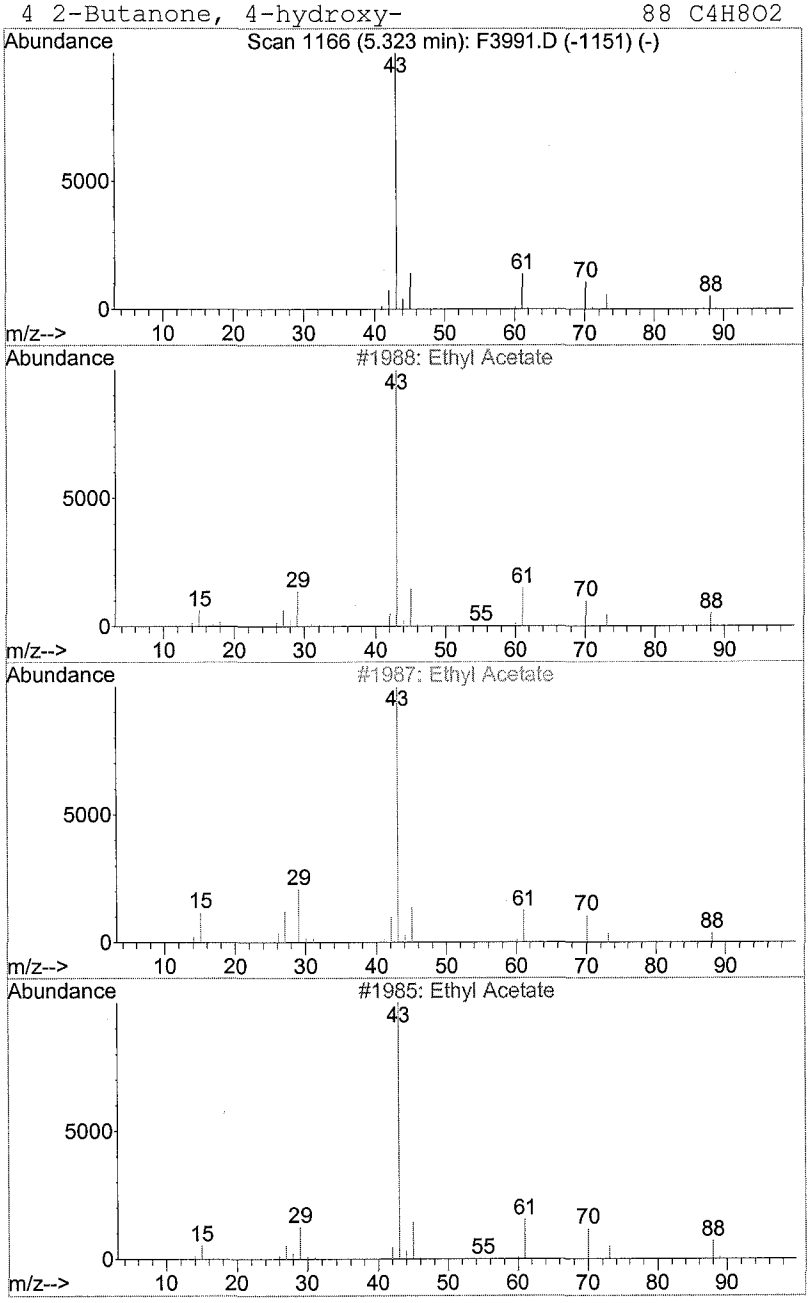
000000072

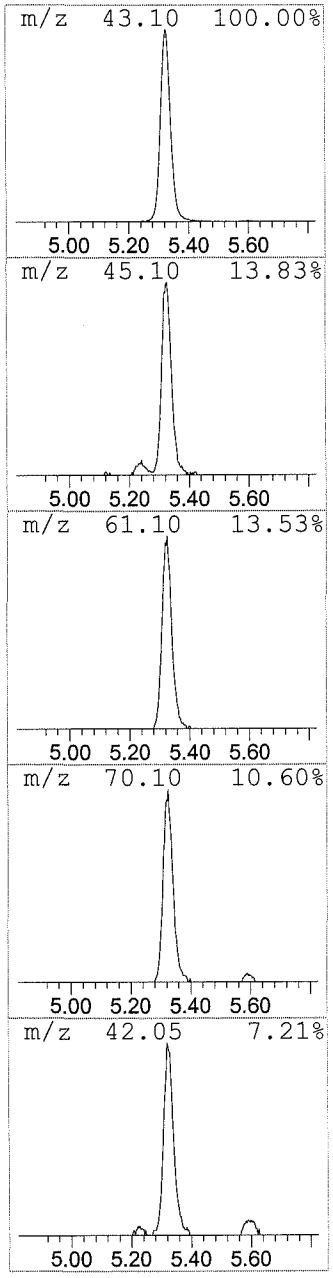
Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\F3991.D                    Vial: 40
   Acq On    : 08/13/2010  1426                          Operator: AC
   Sample    : 0012602-13                                Inst    : F-5973
   Misc      : F3KC7    25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  2  Ethyl Acetate                    Concentration Rank  2
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	4.47 ug/L	356414	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	86
3	Ethyl Acetate	88	C4H8O2	000141-78-6	78
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	40





000000073

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3991.D Vial: 40
Acq On : 08/13/2010 1426 Operator: AC
Sample : 0012602-13 Inst : F-5973
Misc : F3KC7 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

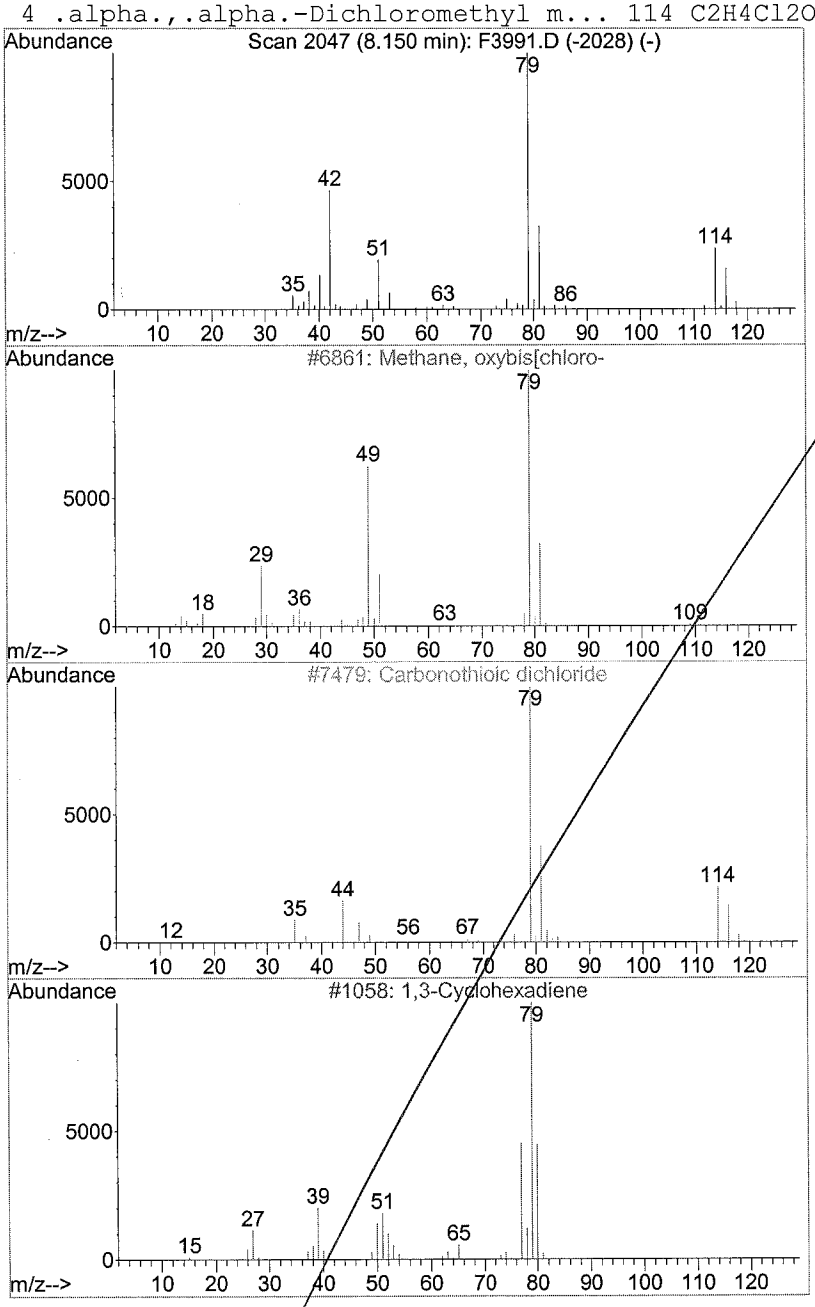
****

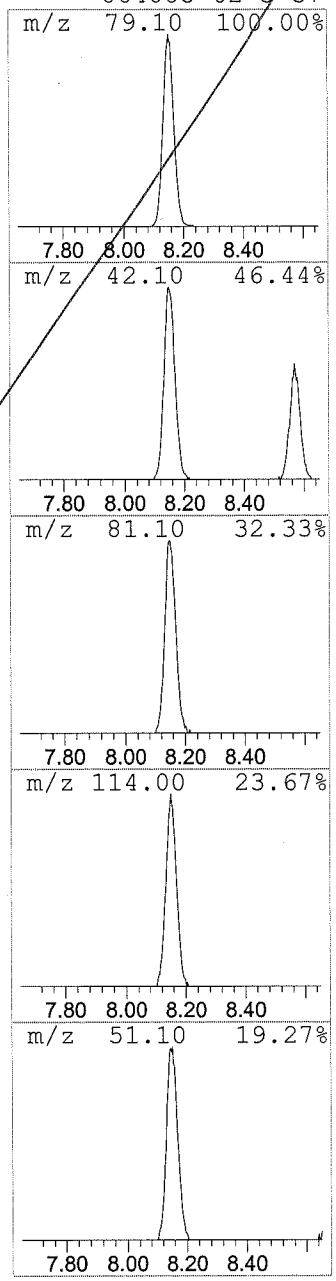
Peak Number 3 Methane, oxybis[chloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.07 ug/L	245189	1,4-Difluorobenzene	6.66

Dme categ art

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	38
2	Carbonothioic dichloride	114	CCl2S	000463-71-8	38
3	1,3-Cyclohexadiene	80	C6H8	000592-57-4	37
4	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	37





000000074

Library Search Compound Report

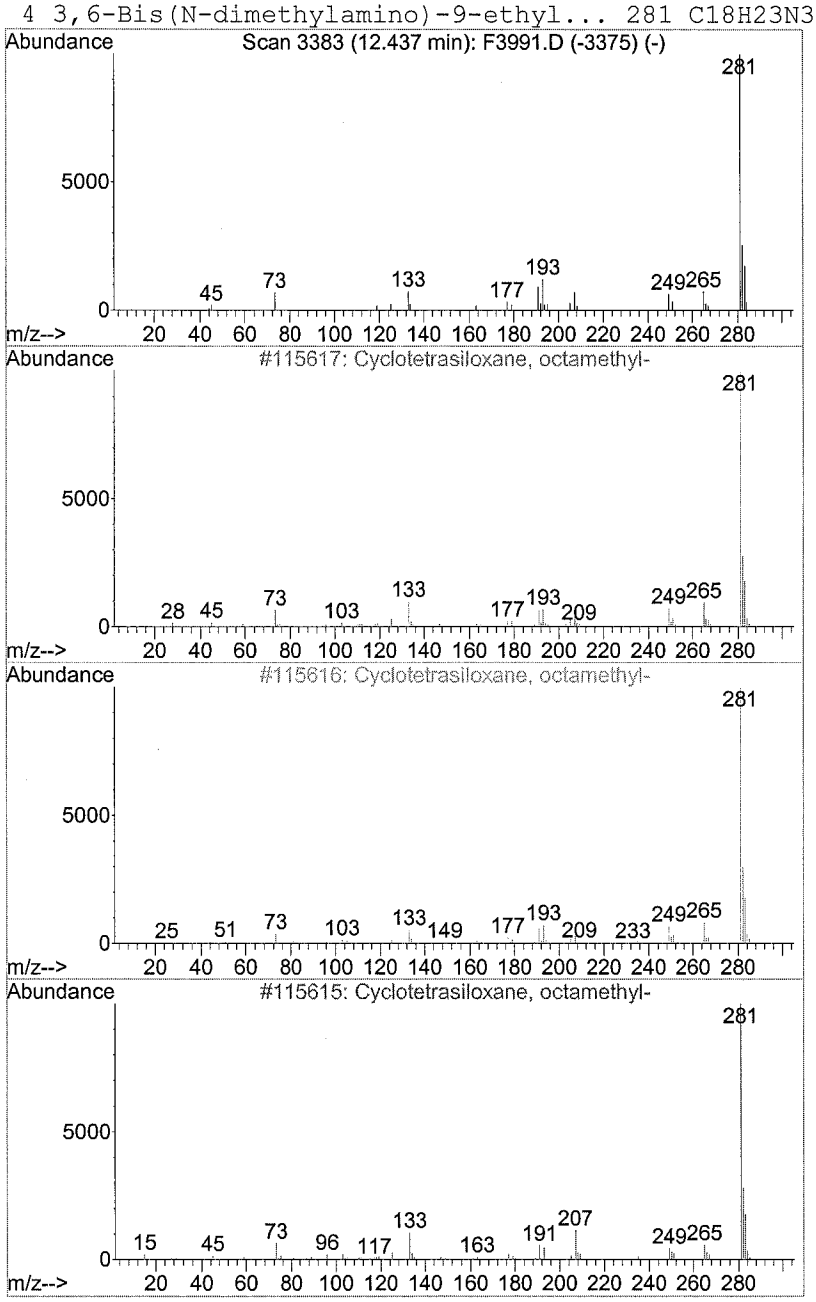
```
   Data File : C:\MSDCHEM\1\DATA\F3991.D                    Vial: 40
   Acq On    : 08/13/2010  1426                          Operator: AC
   Sample    : 0012602-13                                Inst    : F-5973
   Misc      : F3KC7    25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
```

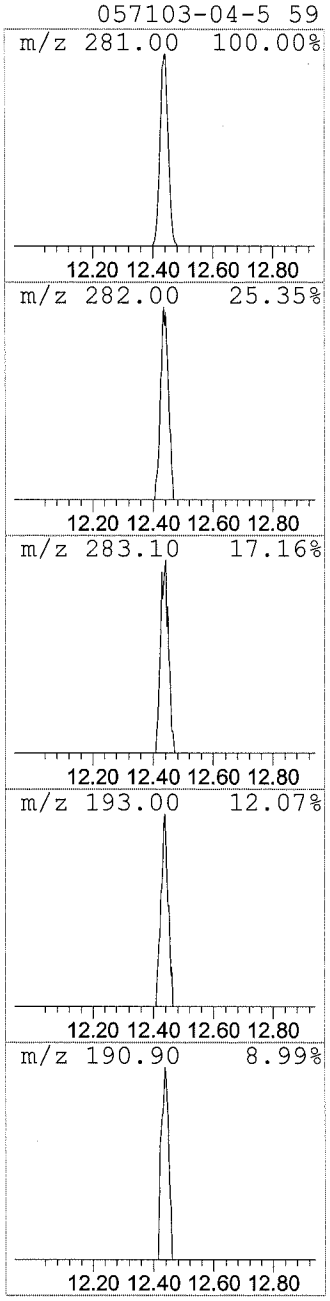
****

Peak Number 4 Cyclotetrasiloxane, octamet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	0.56 ug/L	47217	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	91
2	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	91
3	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	78
4	3,6-Bis(N-dimethylamino)-9-ethyl...	281	C18H23N3	057103-04-5	59





000000075

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 14:26
Data File: C:\MSDCHEM\1\DATA\F3991.D
Name: 0012602-13
Misc: F3KC7 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.96	349.5	ug/L	27900800	1	6.66	399119	5.0
Ethyl Acetate	5.32	4.5	ug/L	356414	1	6.66	399119	5.0
Methane, oxybis[c...	8.15	3.1	ug/L	245189	1	6.66	399119	5.0
Cyclotetrasiloxan...	12.44	0.6	ug/L	47217	3	13.43	421169	5.0

000000075

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-14

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3992.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	6.0	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.85	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-14

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3992.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.18	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	3.2	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KC8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-14

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3992.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.32	4.0	JN
02		Unknown-01 (13.43)	12.44	1.0	J
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3992.D
Acq On : 08/13/2010 1454
Sample : 0012602-14
Misc : F3KC8 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:58:28 2010

Vial: 41
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	173352	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	147467	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	72459	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.42	65	54157	6.2248 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 124.50%		
7) Chloroethane-d5	2.82	69	53434	6.7463 ug/L	0.02
Spiked Amount 5.0000	Range 71 - 131		Recovery = 134.93%#		
10) 1,1-Dichloroethene-d2	3.55	63	62463	4.0543 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 81.09%		
20) 2-Butanone-d5	5.22	46	29765	37.6944 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 75.39%		
24) Chloroform-d	5.59	84	84347	4.9048 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 98.10%		
26) 1,2-Dichloroethane-d4	6.18	65	38328	3.9974 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 79.95%		
32) Benzene-d6	6.20	84	188828	5.4794 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 109.59%		
35) 1,2-Dichloropropane-d6	7.17	67	47875	4.2957 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 85.91%		
41) Toluene-d8	8.57	98	175714	5.2433 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 104.87%		
43) trans-1,3-Dichloropropene-	8.93	79	41088	4.1000 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 82.00%		
47) 2-Hexanone-d5	9.53	63	22205	37.7279 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 75.46%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	25406	3.3237 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 66.47%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	52042	4.9520 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 99.04%		

Target Compounds					Qvalue
13) Acetone	3.62	43	11017	6.0023 ug/L	96
16) Methylene Chloride	4.02	84	8133	0.8487 ug/L	99
42) Toluene	8.66	91	8263	0.1782 ug/L	98
46) Tetrachloroethene	9.43	164	30833	3.1845 ug/L	99

000000030

(#) = qualifier out of range (m) = manual integration (+) = signals summed

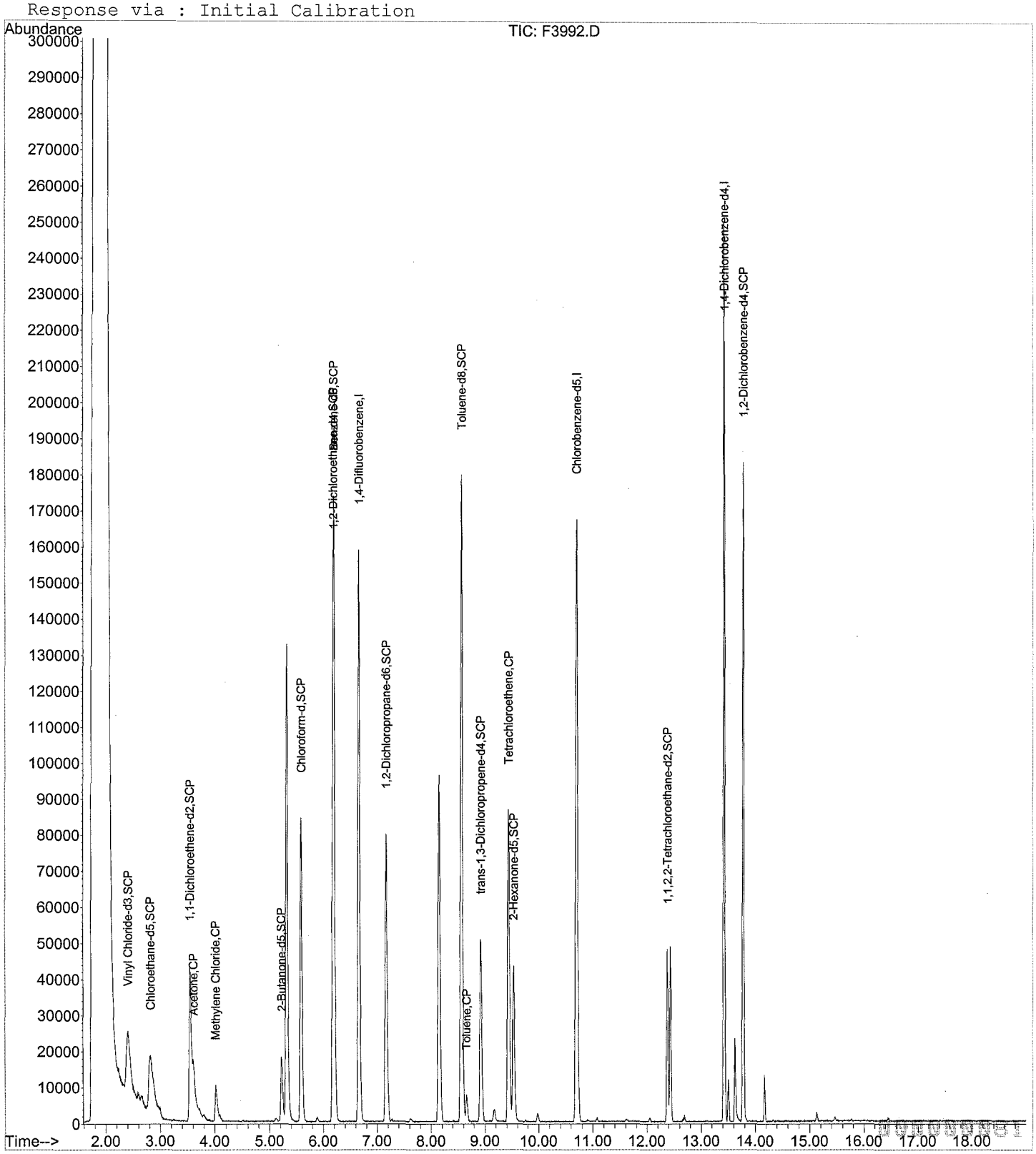
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3992.D
Acq On : 08/13/2010 1454
Sample : 0012602-14
Misc : F3KC8 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:59 2010

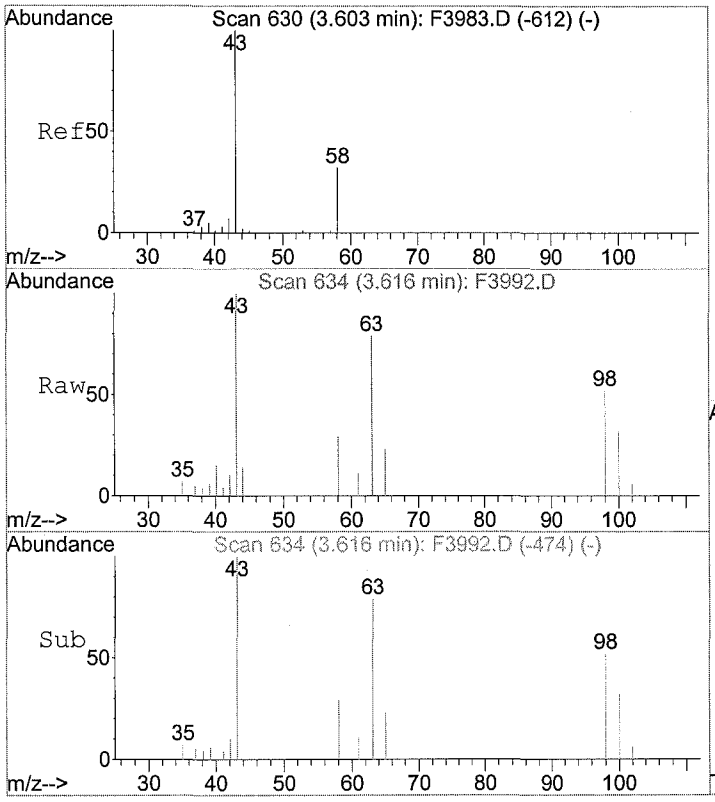
Vial: 41
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



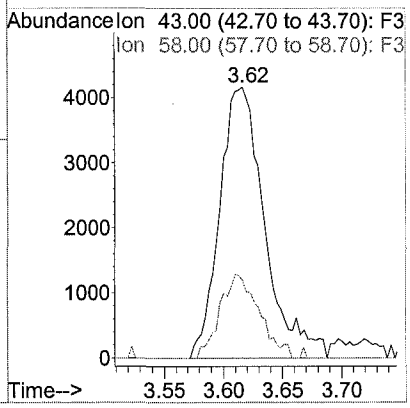
Data File : C:\MSDCHEM\1\DATA\F3992.D Vial: 41
Acq On : 08/13/2010 1454 Operator: AC
Sample : 0012602-14 Inst : F-5973
Misc : F3KC8 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

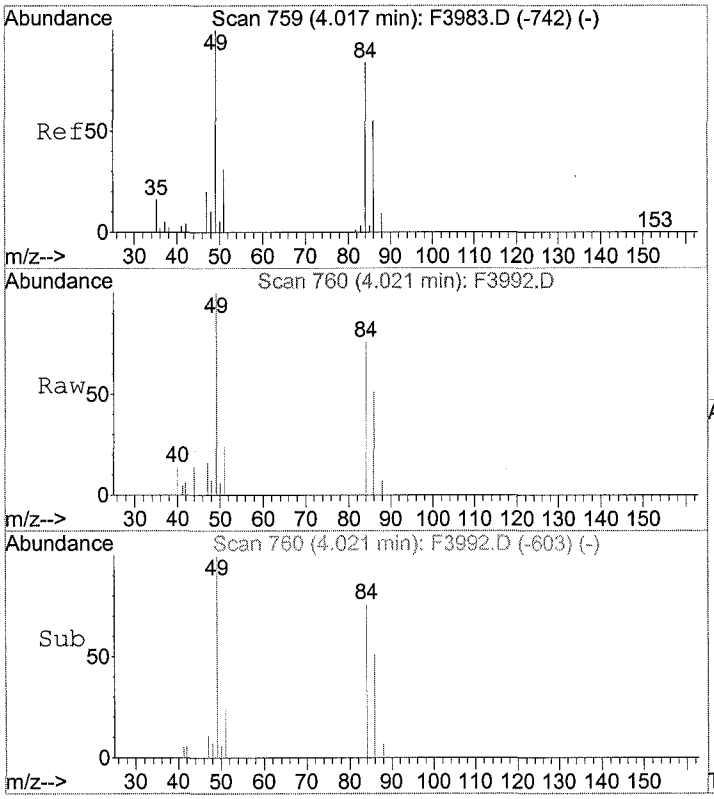


#13
Acetone
Concen: 6.0023 ug/L
RT: 3.62 min Scan# 634
Delta R.T. 0.01 min
Lab File: F3992.D
Acq: 13 Aug 2010 14:54

Tgt Ion: 43 Resp: 11017

Ion	Ratio	Lower	Upper
43	100		
58	27.0	9.3	49.3

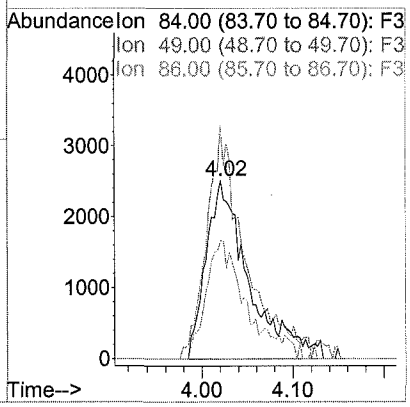




#16
Methylene Chloride
Concen: 0.8487 ug/L
RT: 4.02 min Scan# 760
Delta R.T. 0.00 min
Lab File: F3992.D
Acq: 13 Aug 2010 14:54

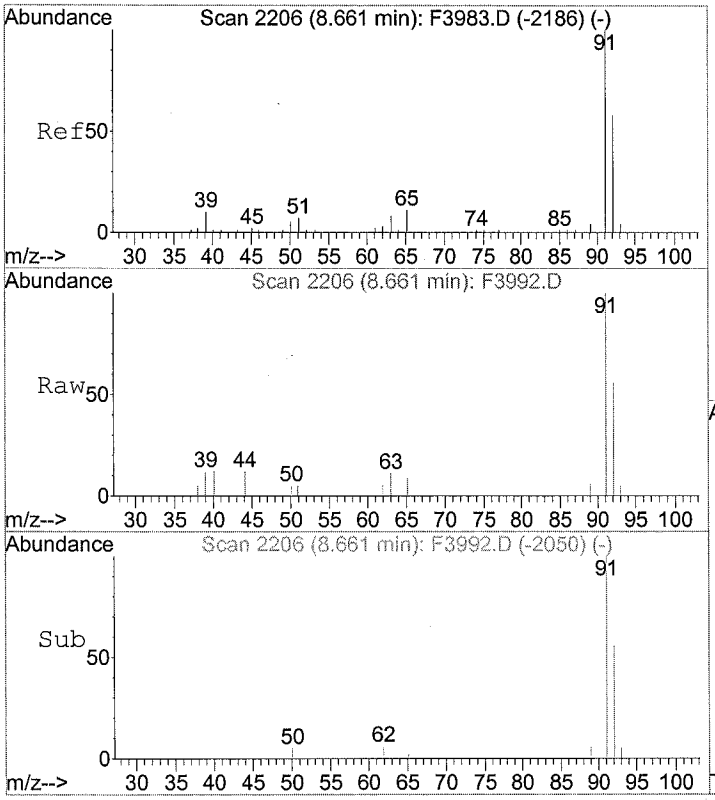
Tgt Ion: 84 Resp: 8133

Ion	Ratio	Lower	Upper
84	100		
49	118.3	97.6	137.6
86	62.8	44.0	84.0



000000082

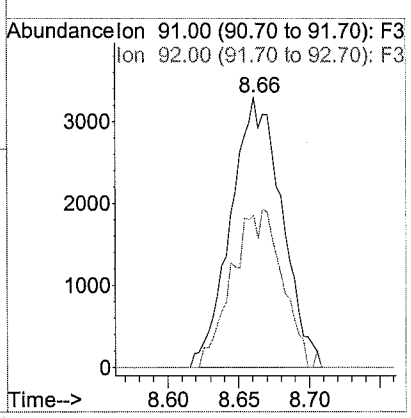
Data File : C:\MSDCHEM\1\DATA\F3992.D Vial: 41
Acq On : 08/13/2010 1454 Operator: AC
Sample : 0012602-14 Inst : F-5973
Misc : F3KC8 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

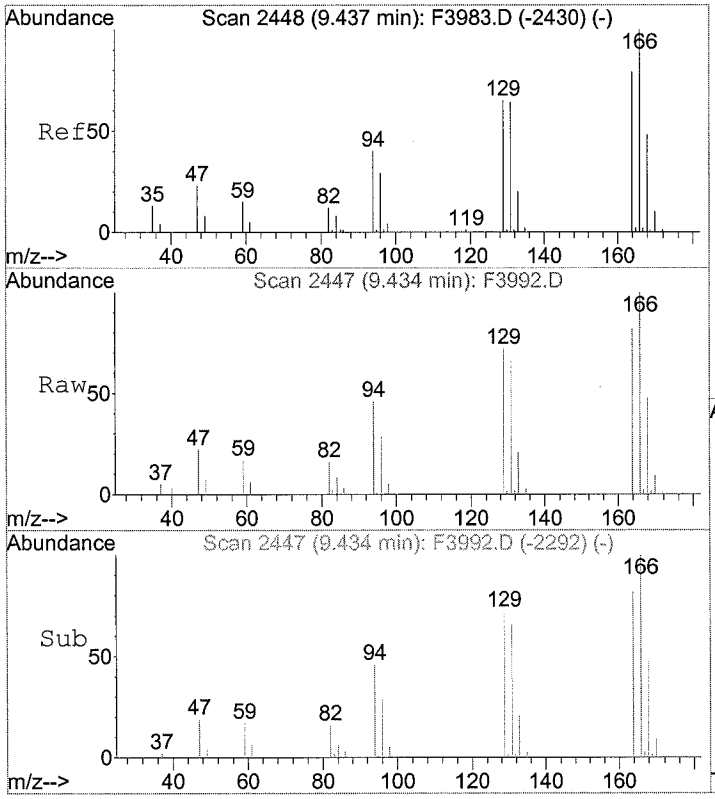


#42
Toluene
Concen: 0.1782 ug/L
RT: 8.66 min Scan# 2206
Delta R.T. 0.00 min
Lab File: F3992.D
Acq: 13 Aug 2010 14:54

Tgt Ion: 91 Resp: 8263

Ion	Ratio	Lower	Upper
91	100		
92	57.2	38.6	78.6

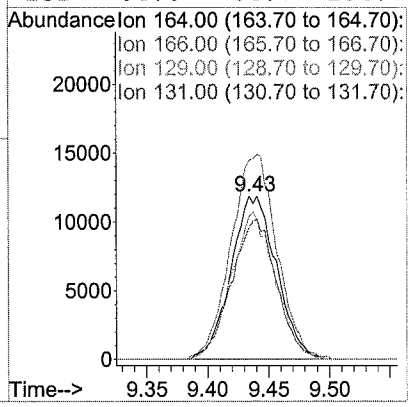




#46
Tetrachloroethene
Concen: 3.1845 ug/L
RT: 9.43 min Scan# 2447
Delta R.T. -0.00 min
Lab File: F3992.D
Acq: 13 Aug 2010 14:54

Tgt Ion:164 Resp: 30833

Ion	Ratio	Lower	Upper
164	100		
166	127.3	108.7	148.7
129	87.1	68.9	108.9
131	84.8	64.7	104.7



000000083

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3992.D
Acq On : 08/13/2010 1454
Sample : 0012602-14
Misc : F3KC8 25ML
MS Integration Params: Lscint.p

Vial: 41
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.5

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.961	36	118	489	rBV	4126596	30141373	100.00%	87.030%
2	3.549	596	613	708	rBV3	42957	195525	0.65%	0.565%
3	4.021	748	760	791	rBV4	9809	29683	0.10%	0.086%
4	5.121	1093	1103	1122	rBV3	817	2072	0.01%	0.006%
5	5.224	1122	1135	1150	rVV2	17878	44211	0.15%	0.128%
6	5.324	1150	1166	1194	rVV2	132380	314661	1.04%	0.909%
7	5.420	1194	1196	1208	rVB4	939	1186	0.00%	0.003%
8	5.593	1233	1250	1277	rVB2	84179	211335	0.70%	0.610%
9	5.885	1339	1341	1351	rVB3	1320	1731	0.01%	0.005%
10	6.200	1417	1439	1462	rBV3	173591	489727	1.62%	1.414%
11	6.665	1564	1584	1613	rBV2	158624	389401	1.29%	1.124%
12	7.172	1725	1742	1767	rVB3	79686	207001	0.69%	0.598%
13	7.608	1874	1878	1891	rVB4	738	1466	0.00%	0.004%
14	8.151	2030	2047	2069	rBV3	96123	242326	0.80%	0.700%
15	8.571	2159	2178	2200	rBV	179498	450208	1.49%	1.300%
16	8.661	2200	2206	2219	rVB3	7266	14445	0.05%	0.042%
17	8.927	2273	2289	2310	rVB2	50562	125945	0.42%	0.364%
18	9.174	2351	2366	2383	rVB3	3437	9271	0.03%	0.027%
19	9.437	2431	2448	2464	rBV3	86676	223826	0.74%	0.646%
20	9.530	2464	2477	2501	rVB3	43202	109182	0.36%	0.315%
21	9.980	2603	2617	2634	rVB4	2433	5761	0.02%	0.017%
22	10.708	2824	2844	2870	rVB2	167101	433149	1.44%	1.251%
23	11.077	2954	2959	2967	rVB3	1275	1425	0.00%	0.004%
24	11.619	3122	3128	3136	rVB4	782	1143	0.00%	0.003%
25	12.043	3255	3260	3268	rVB2	1100	1749	0.01%	0.005%
26	12.380	3350	3365	3374	rBV2	48018	87686	0.29%	0.253%
27	12.438	3374	3383	3409	rVB3	48803	84049	0.28%	0.243%
28	12.691	3461	3462	3472	rVB4	1831	1335	0.00%	0.004%
29	13.429	3679	3692	3707	rVB	250024	417047	1.38%	1.204%
30	13.503	3707	3715	3724	rVB3	11570	17631	0.06%	0.051%
31	13.625	3743	3753	3773	rBV2	23126	39979	0.13%	0.115%
32	13.779	3786	3801	3824	rVB	182918	307954	1.02%	0.889%
33	14.171	3913	3923	3940	rVB2	13023	17767	0.06%	0.051%
34	15.124	4217	4220	4242	rVB5	2531	4148	0.01%	0.012%
35	15.464	4318	4326	4335	rVB2	1172	1995	0.01%	0.006%
36	16.311	4589	4590	4605	rBV3	516	1226	0.00%	0.004%
37	16.446	4625	4632	4643	rVB4	1290	2384	0.01%	0.007%
38	16.927	4770	4782	4794	rVB3	347	1034	0.00%	0.003%
39	17.620	4978	4998	5004	rBV3	443	1344	0.00%	0.004%

00000084

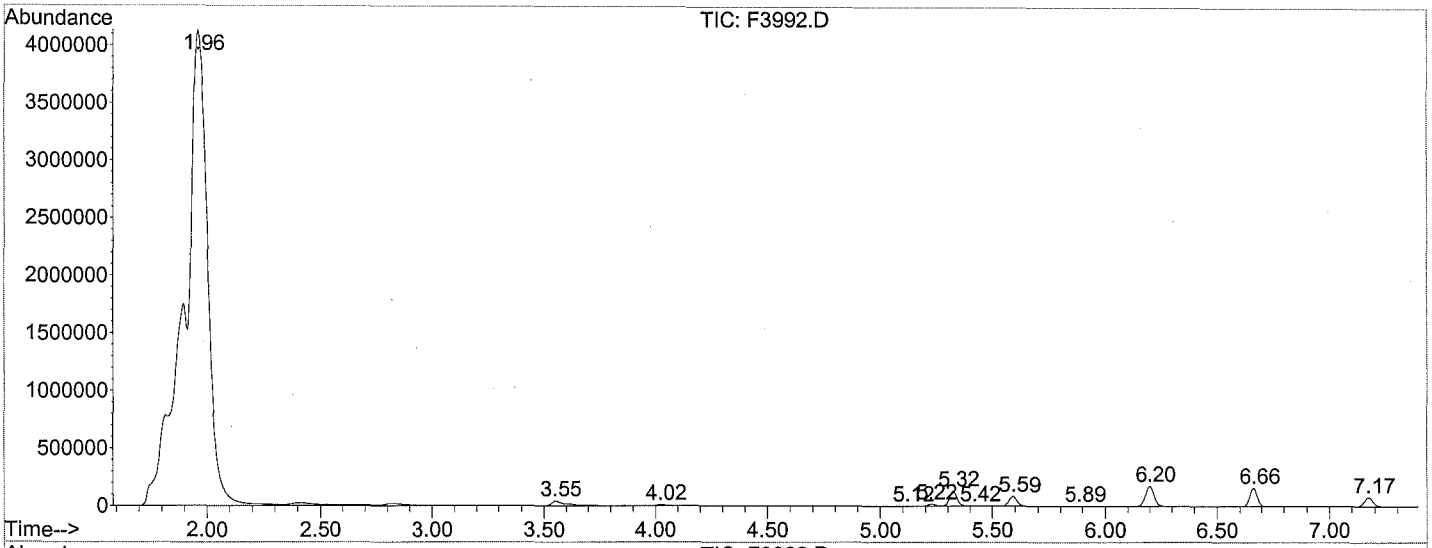
Sum of corrected areas: 34633381

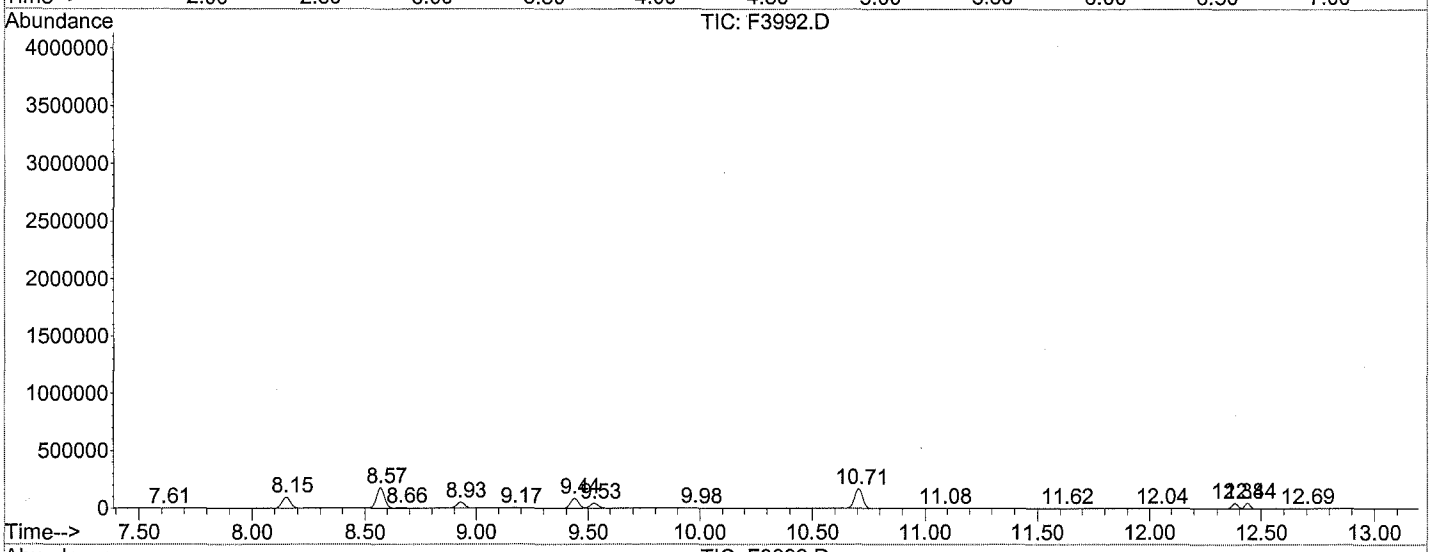
000000085

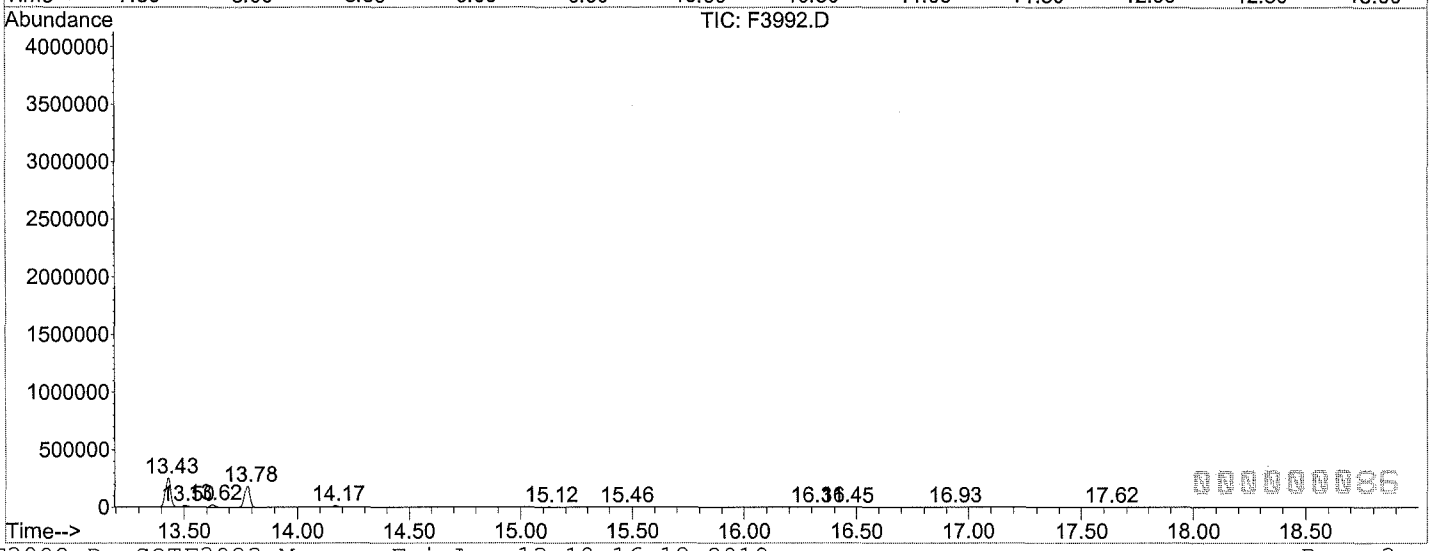
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3992.D
Acq On : 08/13/2010 1454
Sample : 0012602-14
Misc : F3KC8 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 41
Operator: AC
Inst : F-5973
Multiplr: 1.00







00000086

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3992.D
Acq On : 08/13/2010 1454
Sample : 0012602-14
Misc : F3KC8 25ML
MS Integration Params: Lscint.p

Vial: 41
Operator: AC
Inst : F-5973
Multiplr: 1.00

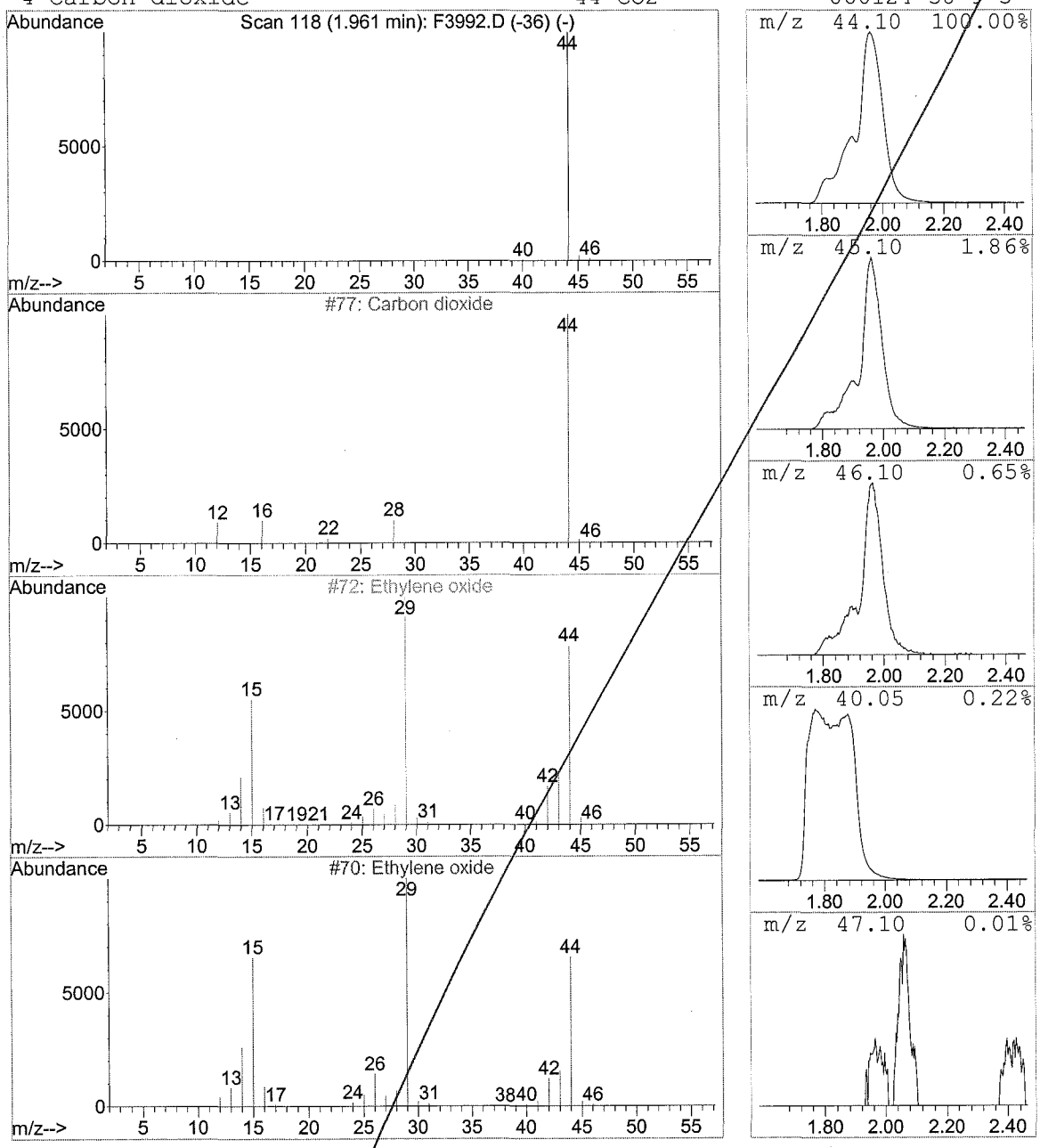
Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	387.02 ug/L	30141400	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3



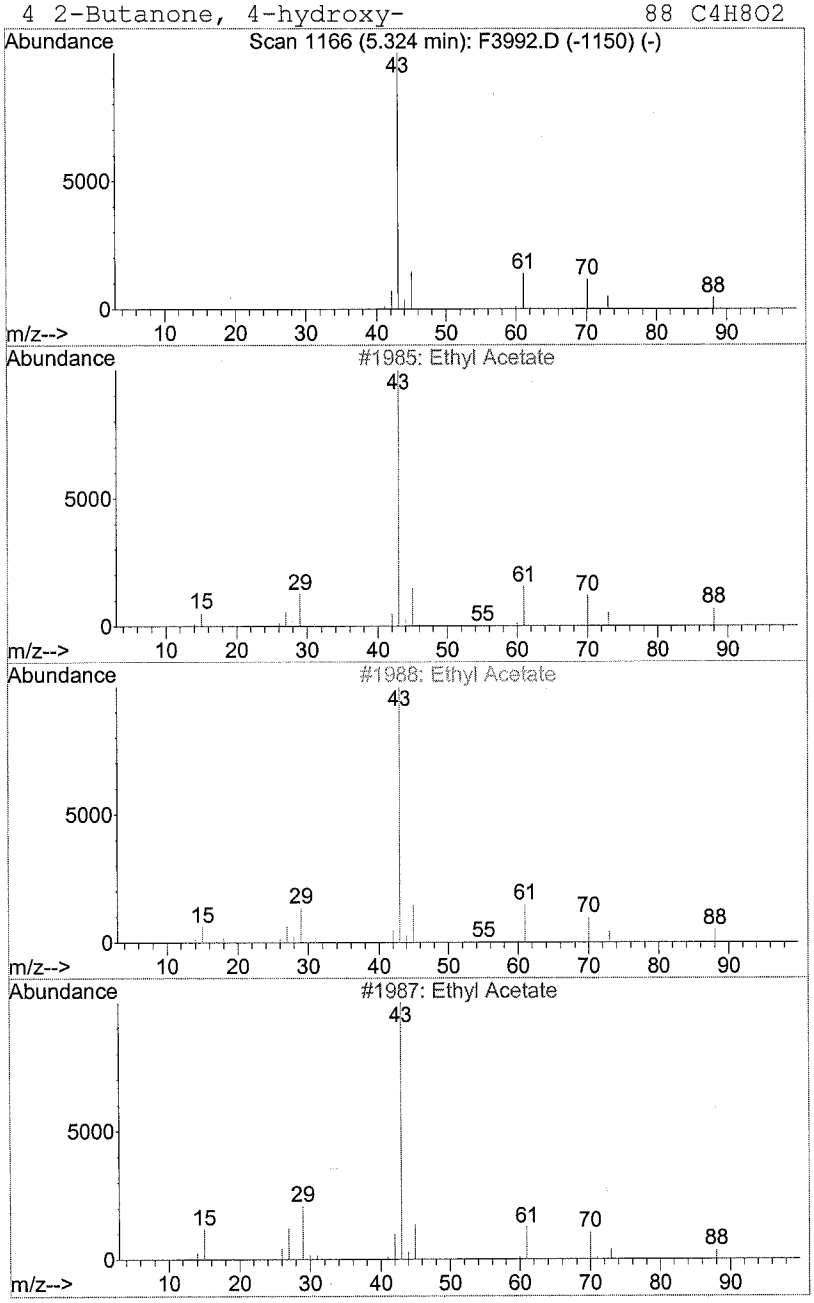
000000087

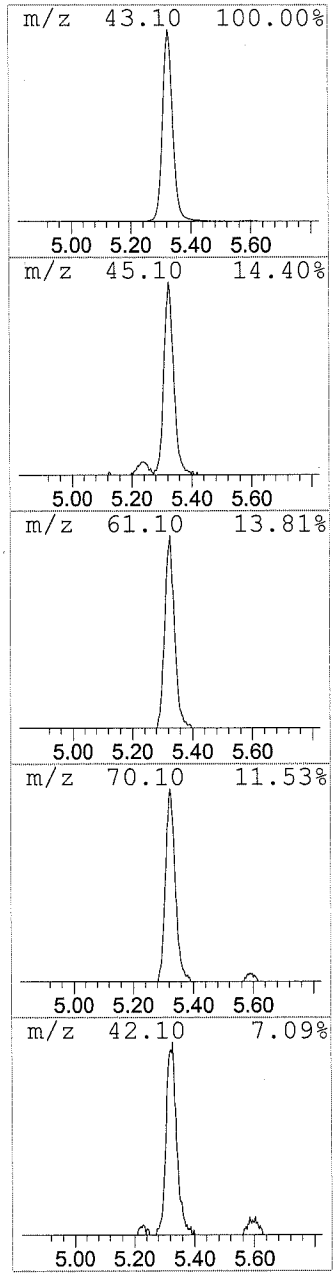
Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\F3992.D                    Vial: 41
   Acq On    : 08/13/2010  1454                          Operator: AC
   Sample    : 0012602-14                                Inst    : F-5973
   Misc      : F3KC8    25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  2  Ethyl Acetate                   Concentration Rank  2
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	4.04 ug/L	314661	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	90
3	Ethyl Acetate	88	C4H8O2	000141-78-6	86
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	40





000000088

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3992.D
Acq On : 08/13/2010 1454
Sample : 0012602-14
Misc : F3KC8 25ML
MS Integration Params: Lscint.p

Vial: 41
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

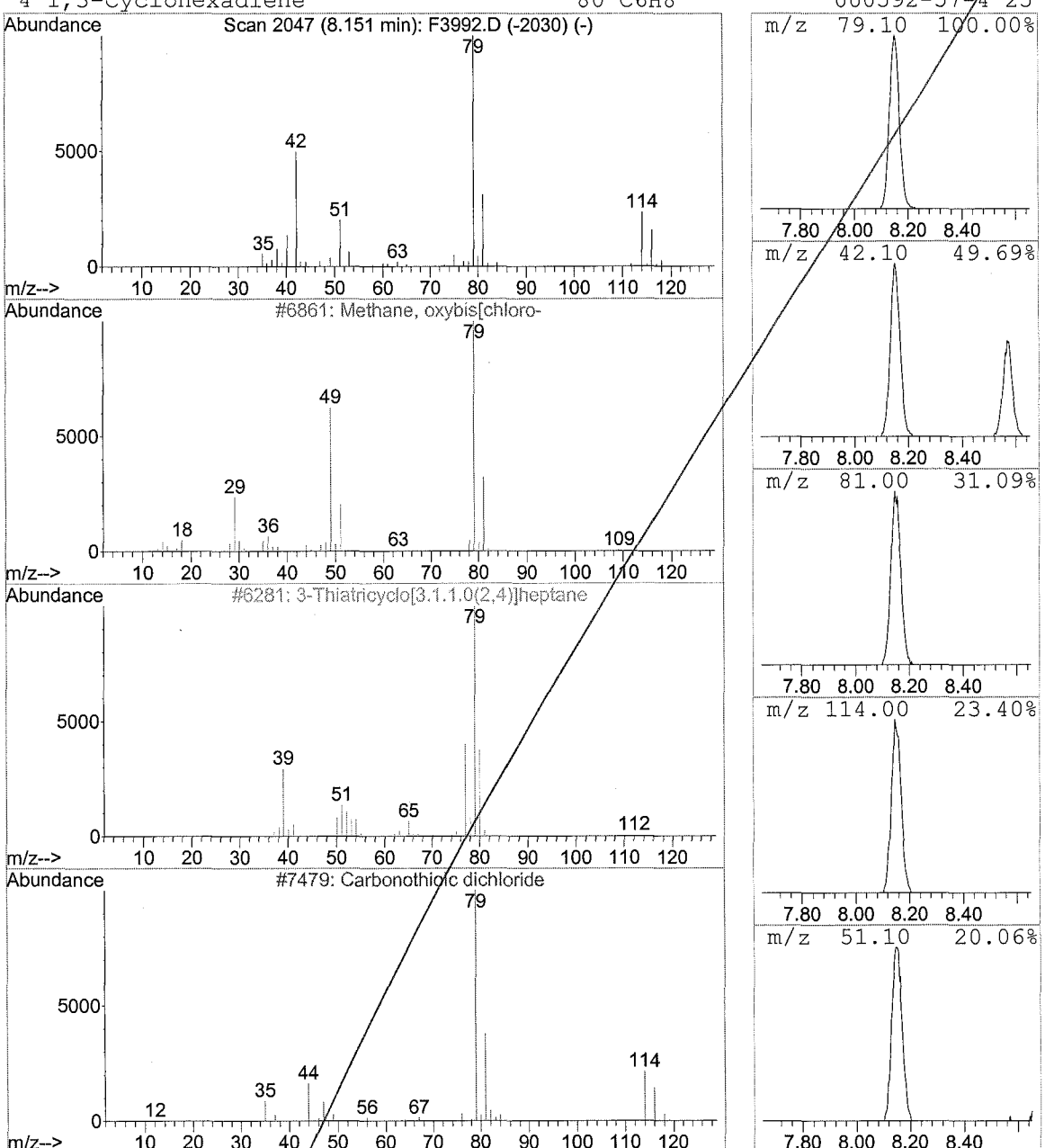
****

Peak Number 3 Methane, oxybis[chloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.11 ug/L	242326	1,4-Difluorobenzene	6.66

Done only out

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	38
2	3-Thiatricyclo[3.1.1.0(2,4)]heptane	112	C6H8S	1000221-37-0	37
3	Carbonothioic dichloride	114	CCl2S	000463-71-8	28
4	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25



000000089

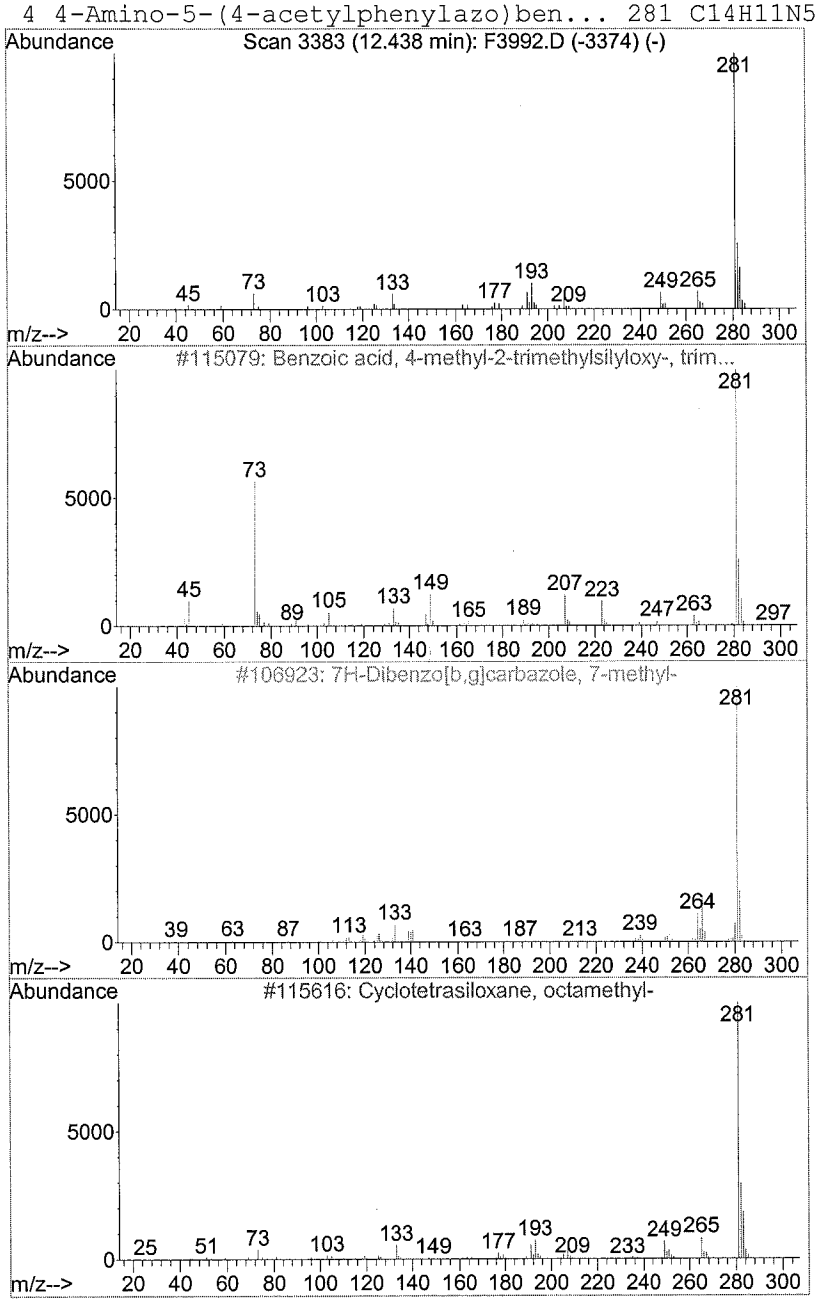
Library Search Compound Report

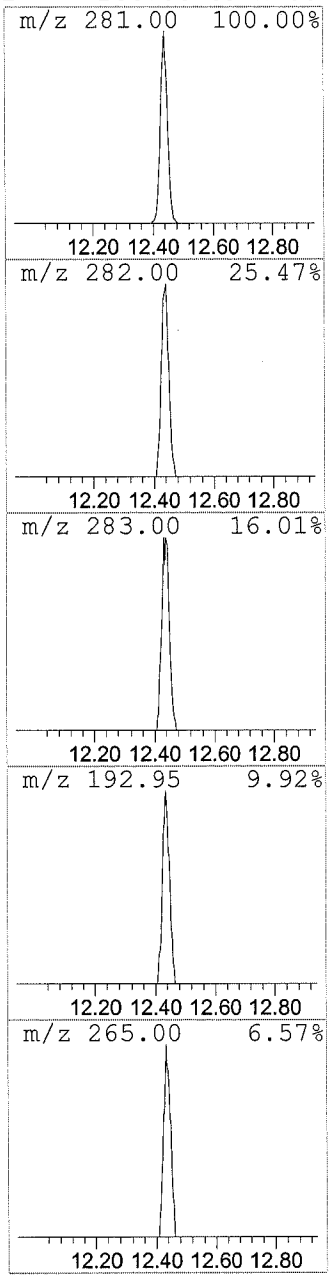
```
   Data File : C:\MSDCHEM\1\DATA\F3992.D                    Vial: 41
   Acq On    : 08/13/2010  1454                         Operator: AC
   Sample    : 0012602-14                               Inst    : F-5973
   Misc      : F3KC8    25ML                            Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  4  Benzoic acid, 4-methyl-2-tr...  Concentration Rank  4
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	1.01 ug/L	84049	1,4-Dichlorobenzene-d4	13.43

Unknown

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-methyl-2-trimeth...	296	C14H24O3Si2	1000153-59-3	59
2	7H-Dibenzo[b,g]carbazole, 7-methyl-	281	C21H15N	003557-49-1	53
3	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	52
4	4-Amino-5-(4-acetylphenylazo)ben...	281	C14H11N5O2	166766-09-2	50





00000096

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 14:54
Data File: C:\MSDCHEM\1\DATA\F3992.D
Name: 0012602-14
Misc: F3KC8 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.96	387.0	ug/L	30141400	1	6.66	389401	5.0
Ethyl Acetate	5.32	4.0	ug/L	314661	1	6.66	389401	5.0
Methane, oxybis[c...	8.15	3.1	ug/L	242326	1	6.66	389401	5.0
Benzoic acid, 4-m...	12.44	1.0	ug/L	84049	3	13.43	417047	5.0

000000091

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-15

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3993.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	7.2	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	1.0	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KC9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-15

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3993.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.23	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.9	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KC9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-15

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3993.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.32	3.8	JN
02	000556-67-2	Cyclotetrasiloxane, octamet.	12.44	1.1	JN
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3993.D
Acq On : 08/13/2010 1522
Sample : 0012602-15
Misc : F3KC9 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:59:46 2010

Vial: 42
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

By 8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	171153	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.70	117	145172	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	69046	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	51538	5.9999 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 120.00%		
7) Chloroethane-d5	2.82	69	51270	6.5562 ug/L	0.02
Spiked Amount 5.0000	Range 71 - 131		Recovery = 131.12%#		
10) 1,1-Dichloroethene-d2	3.55	63	60609	3.9845 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 79.69%		
20) 2-Butanone-d5	5.22	46	28648	36.7460 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 73.49%		
24) Chloroform-d	5.59	84	79451	4.6795 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 93.59%		
26) 1,2-Dichloroethane-d4	6.18	65	36109	3.8143 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 76.29%#		
32) Benzene-d6	6.21	84	180156	5.3104 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 106.21%		
35) 1,2-Dichloropropane-d6	7.17	67	46168	4.2081 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 84.16%		
41) Toluene-d8	8.57	98	167630	5.0812 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 101.62%		
43) trans-1,3-Dichloropropene-	8.93	79	38042	3.8561 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 77.12%		
47) 2-Hexanone-d5	9.53	63	20701	35.7285 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 71.46%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	24029	3.1933 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 63.87%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	48076	4.8008 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 96.02%		

Target Compounds					Qvalue
13) Acetone	3.61	43	12979	7.1621 ug/L	100
16) Methylene Chloride	4.02	84	9925	1.0490 ug/L	99
42) Toluene	8.66	91	10370	0.2271 ug/L	98
46) Tetrachloroethene	9.44	164	28002	2.9378 ug/L	100

000000095

(#) = qualifier out of range (m) = manual integration (+) = signals summed

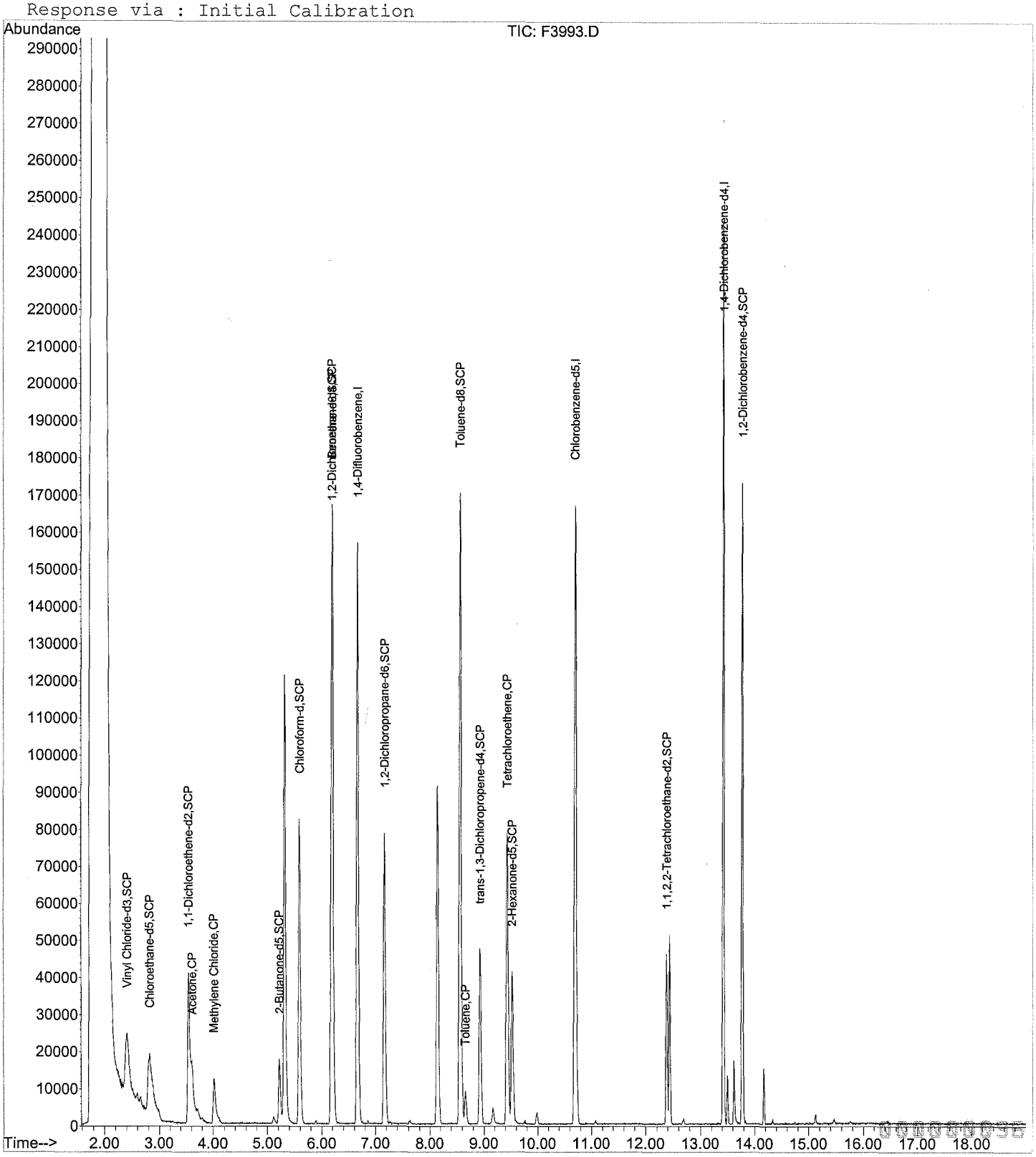
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3993.D
Acq On : 08/13/2010 1522
Sample : 0012602-15
Misc : F3KC9 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 16:00 2010

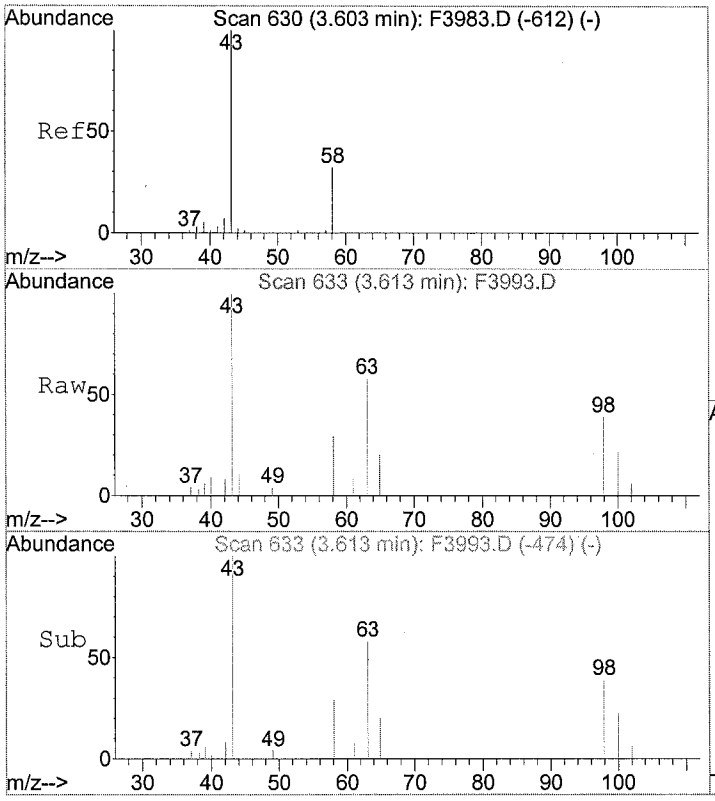
Vial: 42
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



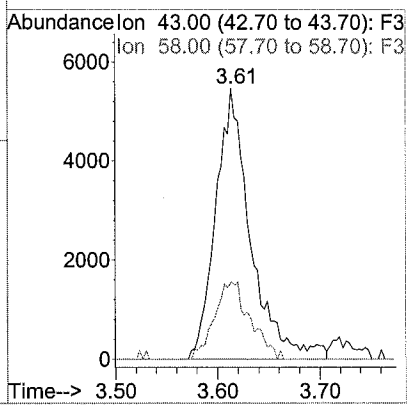
Data File : C:\MSDCHEM\1\DATA\F3993.D Vial: 42
Acq On : 08/13/2010 1522 Operator: AC
Sample : 0012602-15 Inst : F-5973
Misc : F3KC9 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

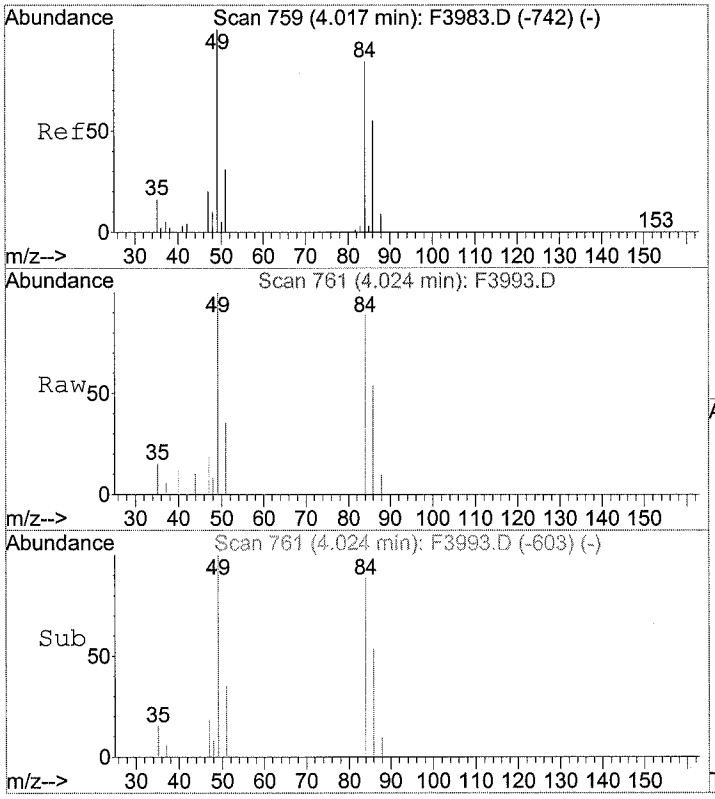


#13
Acetone
Concen: 7.1621 ug/L
RT: 3.61 min Scan# 633
Delta R.T. 0.01 min
Lab File: F3993.D
Acq: 13 Aug 2010 15:22

Tgt Ion: 43 Resp: 12979

Ion	Ratio	Lower	Upper
43	100		
58	29.2	9.3	49.3

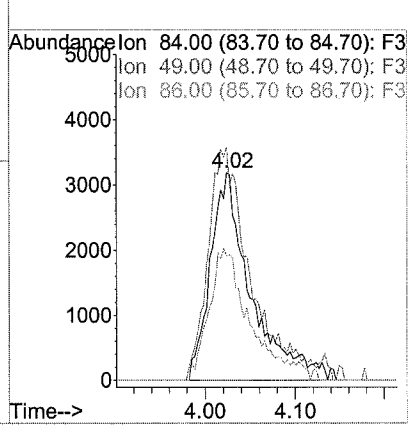




#16
Methylene Chloride
Concen: 1.0490 ug/L
RT: 4.02 min Scan# 761
Delta R.T. 0.01 min
Lab File: F3993.D
Acq: 13 Aug 2010 15:22

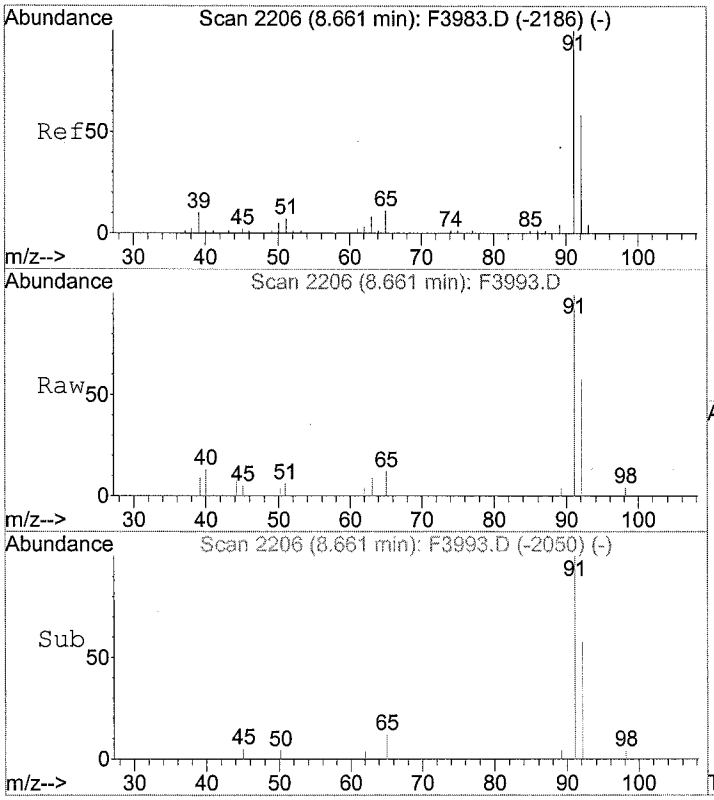
Tgt Ion: 84 Resp: 9925

Ion	Ratio	Lower	Upper
84	100		
49	118.2	97.6	137.6
86	64.7	44.0	84.0



000000097

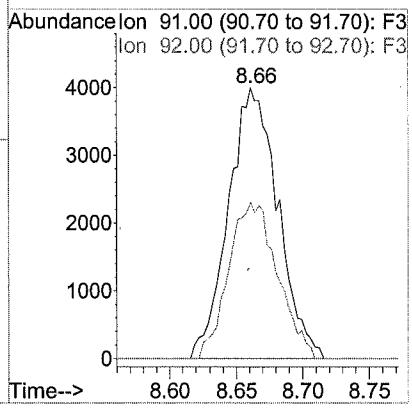
Data File : C:\MSDCHEM\1\DATA\F3993.D Vial: 42
Acq On : 08/13/2010 1522 Operator: AC
Sample : 0012602-15 Inst : F-5973
Misc : F3KC9 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

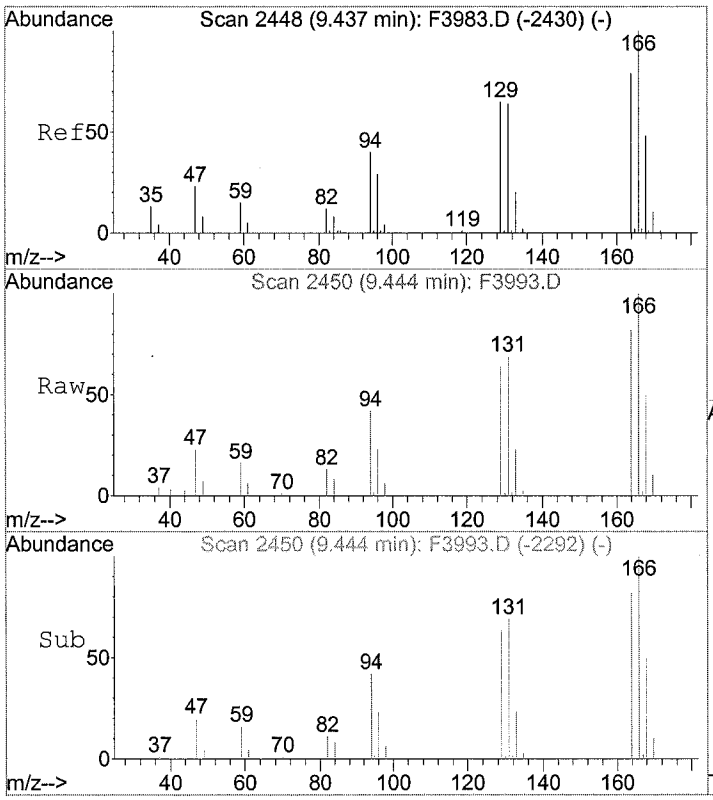


#42
Toluene
Concen: 0.2271 ug/L
RT: 8.66 min Scan# 2206
Delta R.T. 0.00 min
Lab File: F3993.D
Acq: 13 Aug 2010 15:22

Tgt Ion: 91 Resp: 10370

Ion	Ratio	Lower	Upper
91	100		
92	57.2	38.6	78.6

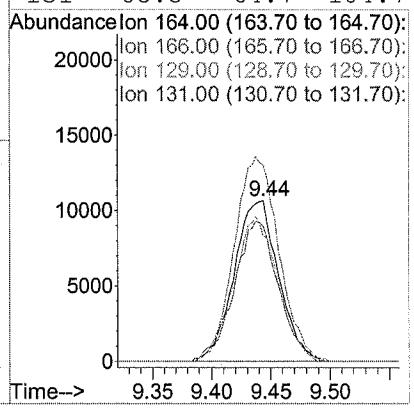




#46
Tetrachloroethene
Concen: 2.9378 ug/L
RT: 9.44 min Scan# 2450
Delta R.T. 0.01 min
Lab File: F3993.D
Acq: 13 Aug 2010 15:22

Tgt Ion:164 Resp: 28002

Ion	Ratio	Lower	Upper
164	100		
166	128.3	108.7	148.7
129	88.6	68.9	108.9
131	85.5	64.7	104.7



00000098

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3993.D
Acq On : 08/13/2010 1522
Sample : 0012602-15
Misc : F3KC9 25ML
MS Integration Params: Lscint.p

Vial: 42
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.5

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.957	37	117	371	rBV	4231865	30229351	100.00%	87.204%
2	2.821	371	386	483	rVB3	18568	128412	0.42%	0.370%
3	3.244	516	518	546	rVB3	742	2029	0.01%	0.006%
4	3.546	599	612	715	rVB5	40445	187186	0.62%	0.540%
5	4.021	747	760	808	rVB5	12155	40554	0.13%	0.117%
6	5.121	1092	1103	1115	rBV2	1883	4173	0.01%	0.012%
7	5.224	1120	1135	1151	rBV	17347	43791	0.14%	0.126%
8	5.324	1151	1166	1211	rVB	120968	293072	0.97%	0.845%
9	5.590	1231	1249	1277	rVB3	82277	201519	0.67%	0.581%
10	5.892	1335	1343	1348	rVB4	910	1396	0.00%	0.004%
11	6.200	1418	1439	1464	rBV3	166985	466639	1.54%	1.346%
12	6.665	1564	1584	1607	rBV2	156552	382103	1.26%	1.102%
13	6.851	1638	1642	1662	rVB4	968	1474	0.00%	0.004%
14	7.172	1725	1742	1765	rVB2	78471	199080	0.66%	0.574%
15	8.147	2028	2046	2074	rVB3	91134	231139	0.76%	0.667%
16	8.571	2157	2178	2197	rBV	170086	428487	1.42%	1.236%
17	8.661	2197	2206	2226	rVB3	8887	21188	0.07%	0.061%
18	8.927	2273	2289	2336	rVB3	47166	118656	0.39%	0.342%
19	9.165	2353	2363	2391	rVB3	4293	10379	0.03%	0.030%
20	9.437	2431	2448	2464	rBV3	78481	203743	0.67%	0.588%
21	9.527	2464	2476	2506	rVB2	40969	102565	0.34%	0.296%
22	9.983	2606	2618	2630	rVB3	3289	7129	0.02%	0.021%
23	10.705	2824	2843	2867	rBV2	166698	426794	1.41%	1.231%
24	12.380	3353	3365	3374	rBV2	45692	82090	0.27%	0.237%
25	12.438	3374	3383	3401	rVB	50942	85206	0.28%	0.246%
26	12.691	3448	3462	3480	rBV5	1688	3393	0.01%	0.010%
27	13.429	3679	3692	3708	rVB	243337	398881	1.32%	1.151%
28	13.503	3708	3715	3737	rVB5	12965	18363	0.06%	0.053%
29	13.625	3744	3753	3774	rVB3	17031	27928	0.09%	0.081%
30	13.779	3786	3801	3814	rBV	172700	281575	0.93%	0.812%
31	14.171	3912	3923	3946	rBV2	15038	20853	0.07%	0.060%
32	14.334	3970	3974	3981	rVB3	1363	1290	0.00%	0.004%
33	15.133	4216	4223	4237	rVB5	2480	3534	0.01%	0.010%
34	15.313	4263	4279	4286	rBV3	584	1555	0.01%	0.004%
35	15.464	4324	4326	4338	rVB3	1457	1841	0.01%	0.005%
36	15.749	4412	4415	4433	rVB4	797	1963	0.01%	0.006%
37	16.442	4627	4631	4645	rVB4	871	1280	0.00%	0.004%
38	17.206	4862	4869	4884	rVB3	506	1134	0.00%	0.003%
39	17.960	5086	5104	5112	rVB3	387	1199	0.00%	0.003%

000000099

40	18.551	5270	5288	5314	rBV3	403	2044	0.01%	0.006%

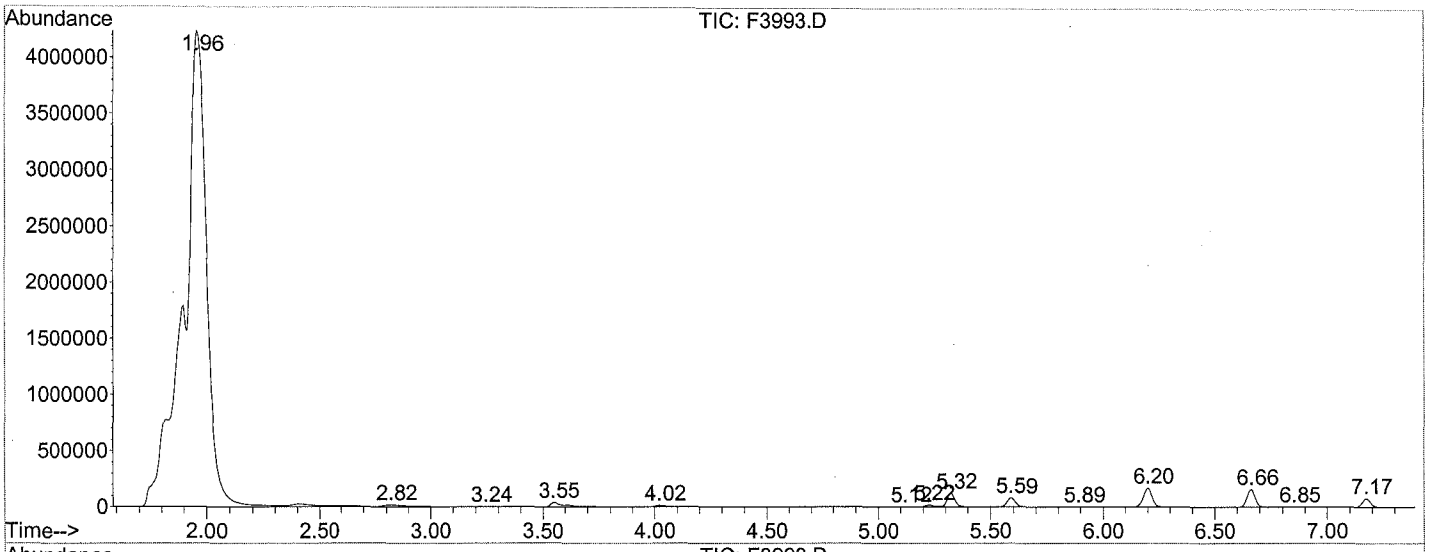
Sum of corrected areas: 34664988

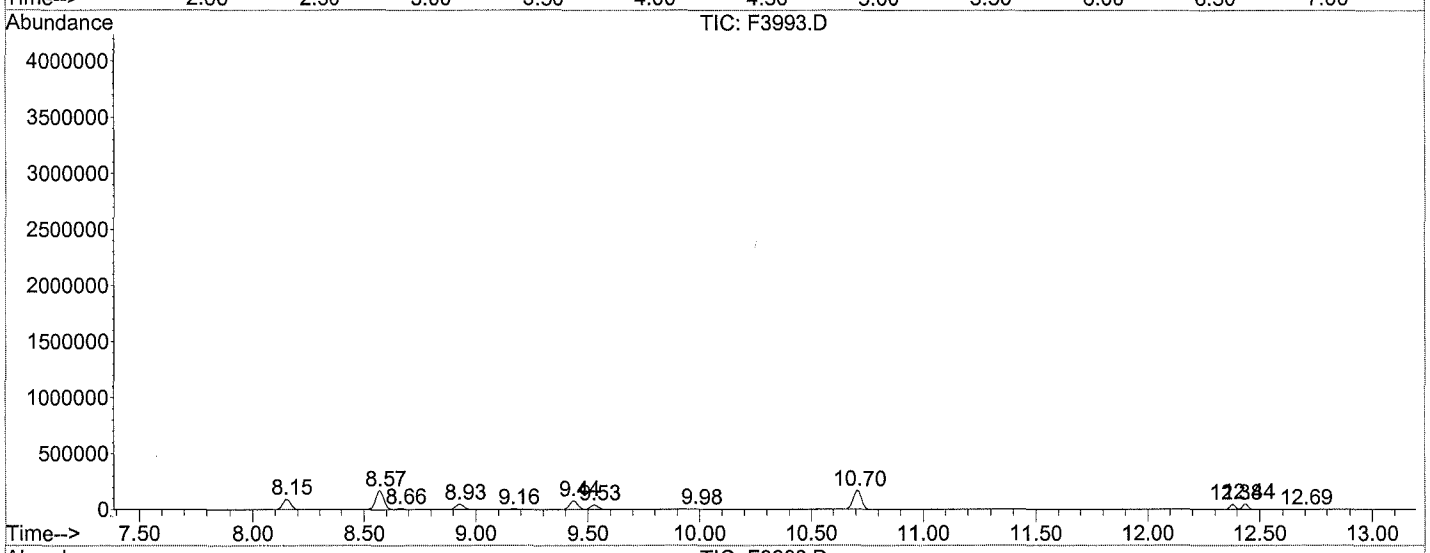
000000100

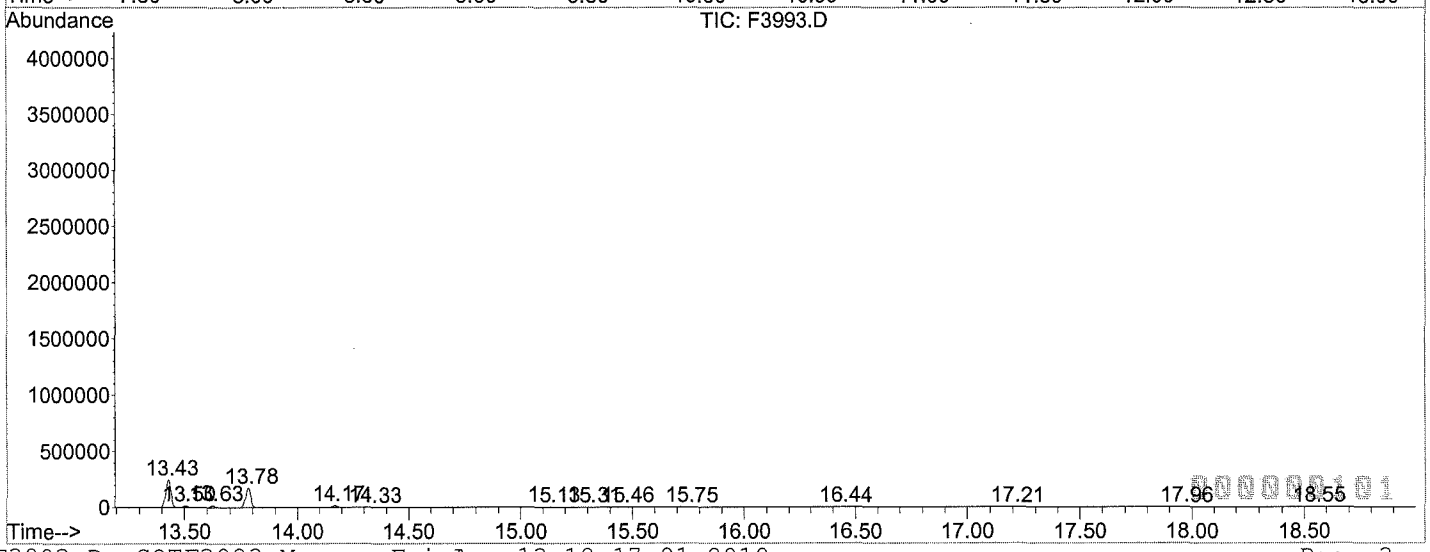
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3993.D
Acq On : 08/13/2010 1522
Sample : 0012602-15
Misc : F3KC9 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 42
Operator: AC
Inst : F-5973
Multiplr: 1.00





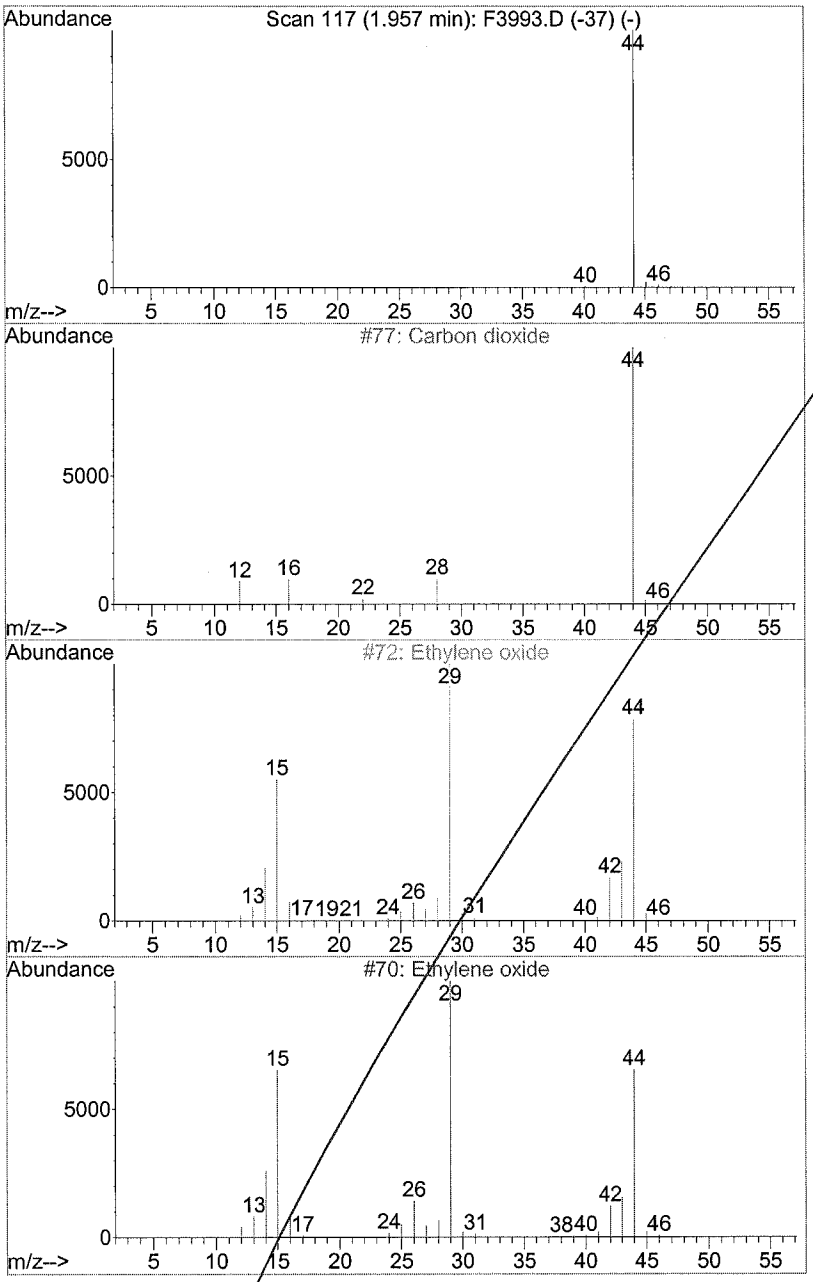


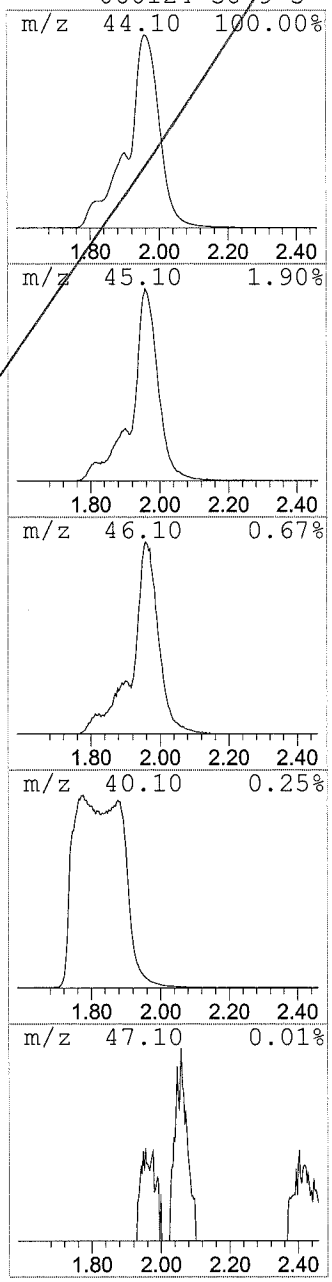
Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\F3993.D                    Vial: 42
   Acq On    : 08/13/2010  1522                         Operator: AC
   Sample    : 0012602-15                               Inst    : F-5973
   Misc      : F3KC9    25ML                            Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
*****************************************************************
Peak Number  1  Carbon dioxide                  Concentration Rank  1
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	395.57 ug/L	30229400	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3





CO2

000000102

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3993.D
Acq On : 08/13/2010 1522
Sample : 0012602-15
Misc : F3KC9 25ML
MS Integration Params: Lscint.p

Vial: 42
Operator: AC
Inst : F-5973
Multiplr: 1.00

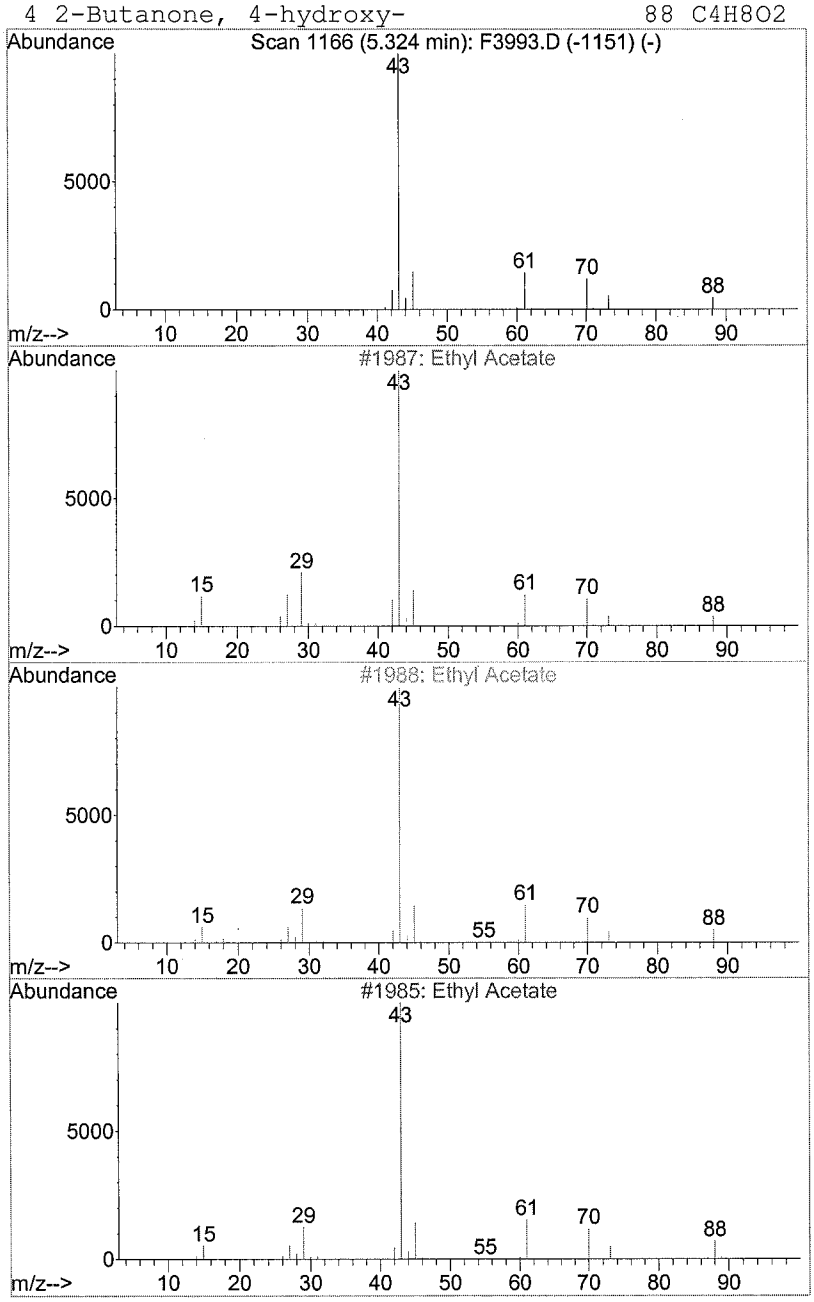
Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

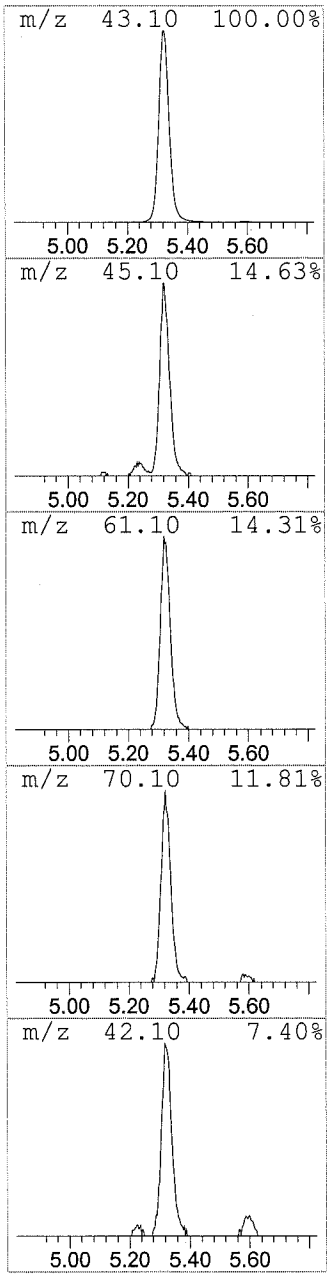
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	3.83 ug/L	293072	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	90
3	Ethyl Acetate	88	C4H8O2	000141-78-6	83
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	42





000000103

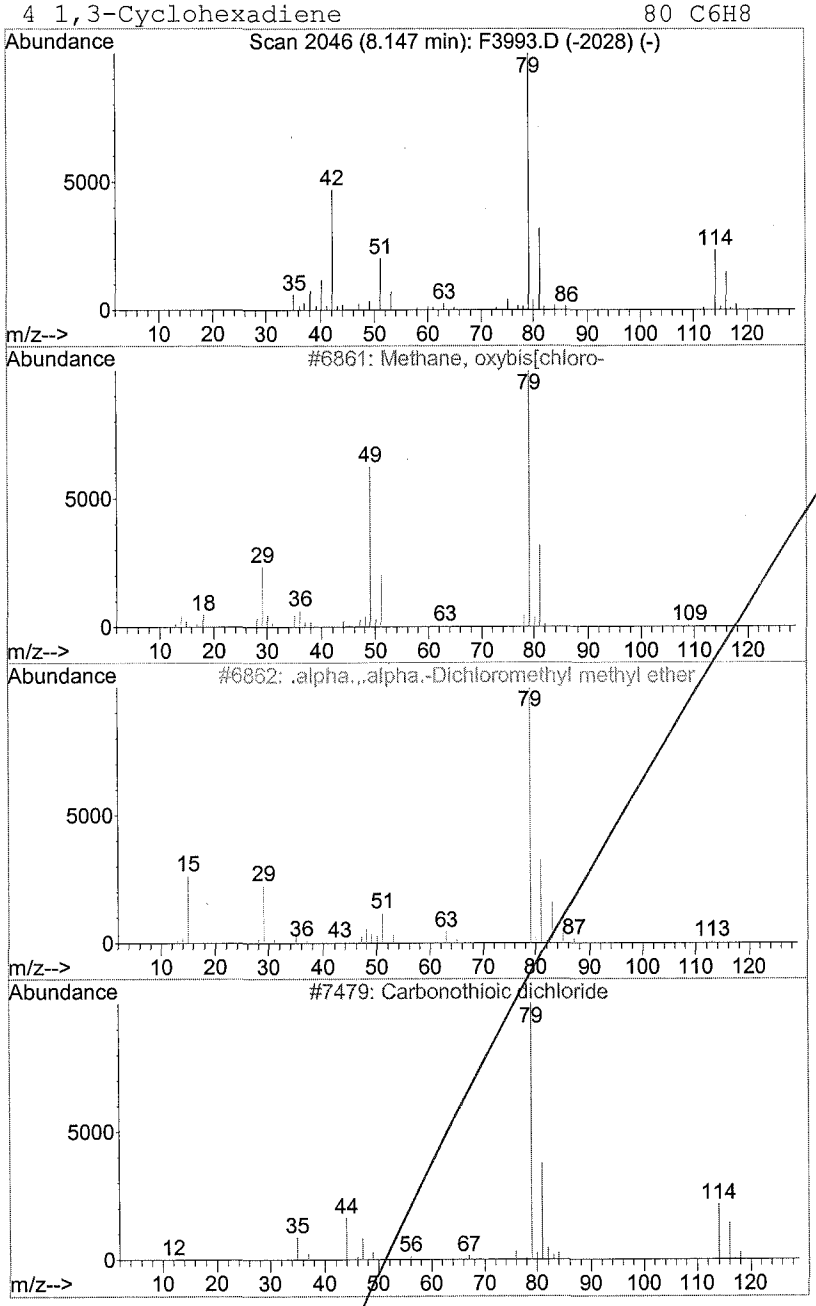
Library Search Compound Report

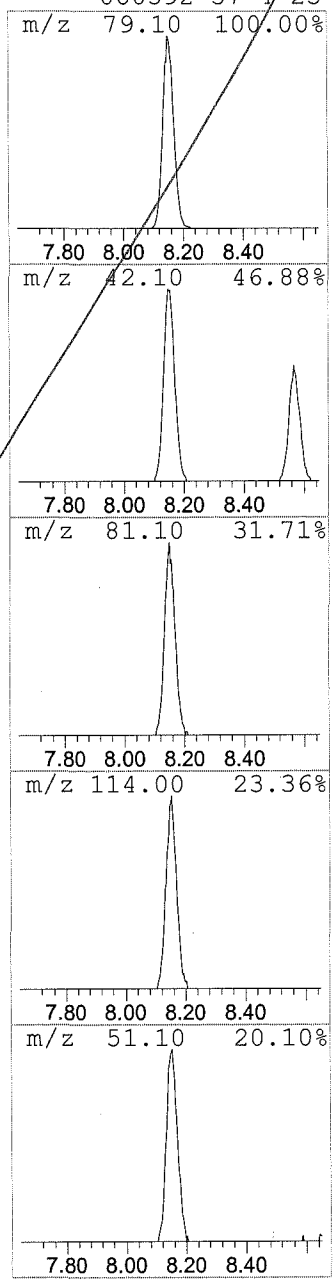
```
   Data File : C:\MSDCHEM\1\DATA\F3993.D                    Vial: 42
   Acq On    : 08/13/2010  1522                          Operator: AC
   Sample    : 0012602-15                                Inst    : F-5973
   Misc      : F3KC9    25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  3  Methane, oxybis[chloro-        Concentration Rank  3
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.02 ug/L	231139	1,4-Difluorobenzene	6.66

Bmc output

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	38
2	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	37
3	Carbonothioic dichloride	114	CCl2S	000463-71-8	28
4	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25





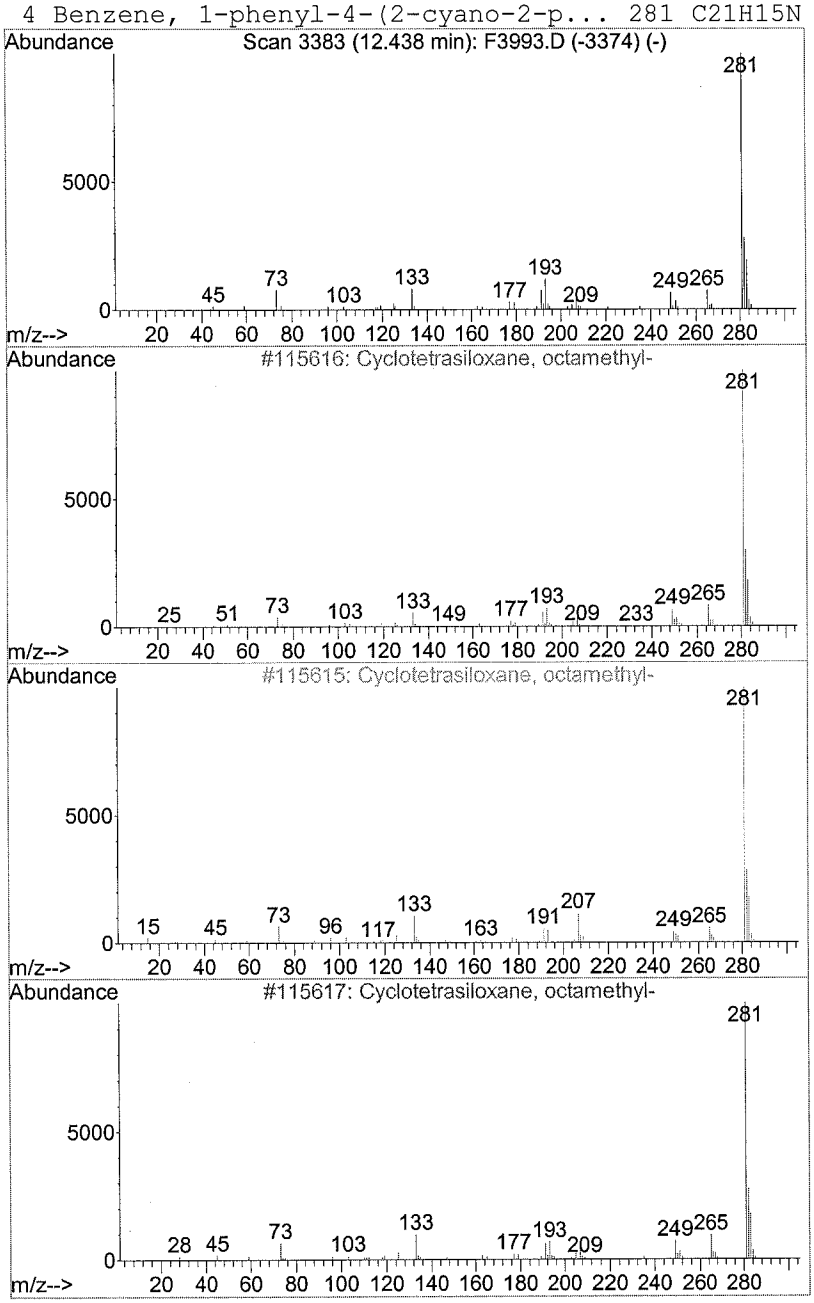
000000104

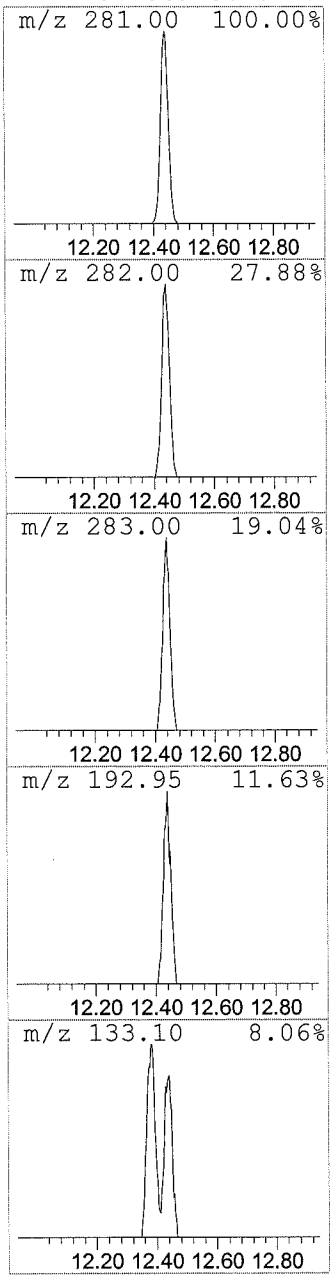
Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\F3993.D                    Vial: 42
   Acq On    : 08/13/2010  1522                         Operator: AC
   Sample    : 0012602-15                               Inst    : F-5973
   Misc      : F3KC9    25ML                            Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  4  Cyclotetrasiloxane, octamet...  Concentration Rank  4
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	1.07 ug/L	85206	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	86
2	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	86
3	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	80
4	Benzene, 1-phenyl-4-(2-cyano-2-p...	281	C21H15N	027869-56-3	53





000000105

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 15:22
Data File: C:\MSDCHEM\1\DATA\F3993.D
Name: 0012602-15
Misc: F3KC9 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.96	395.6	ug/L	30229400	1	6.66	382103	5.0
Ethyl Acetate	5.32	3.8	ug/L	293072	1	6.66	382103	5.0
Methane, oxybis[c...	8.15	3.0	ug/L	231139	1	6.66	382103	5.0
Cyclotetrasiloxan...	12.44	1.1	ug/L	85206	3	13.43	398881	5.0

000000166

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KD0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-16

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3994.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	7.0	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.99	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KD0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-16

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3994.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.6	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KD0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-16

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3994.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.32	3.6	JN
02		Unknown-01 (13.43)	12.44	1.0	J
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3994.D
Acq On : 08/13/2010 1550
Sample : 0012602-16
Misc : F3KD0 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 17:11:27 2010

Vial: 43
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	178955	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	150935	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	72390	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.40	65	54008	6.0133 ug/L	-0.01
Spiked Amount 5.0000	Range 65 - 131		Recovery = 120.27%		
7) Chloroethane-d5	2.81	69	53040	6.4869 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 129.74%		
10) 1,1-Dichloroethene-d2	3.55	63	62519	3.9309 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 78.62%		
20) 2-Butanone-d5	5.23	46	28886	35.4359 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 70.87%		
24) Chloroform-d	5.59	84	83997	4.7315 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 94.63%		
26) 1,2-Dichloroethane-d4	6.18	65	37743	3.8131 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 76.26%#		
32) Benzene-d6	6.20	84	189408	5.3699 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 107.40%		
35) 1,2-Dichloropropane-d6	7.17	67	48885	4.2856 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 85.71%		
41) Toluene-d8	8.57	98	177014	5.1607 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 103.21%		
43) trans-1,3-Dichloropropene-	8.93	79	40126	3.9120 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 78.24%		
47) 2-Hexanone-d5	9.53	63	21505	35.6990 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 71.40%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	25455	3.2536 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 65.07%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	50559	4.8155 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 96.31%		

Target Compounds					Qvalue
13) Acetone	3.61	43	13328	7.0340 ug/L	96
16) Methylene Chloride	4.02	84	9778	0.9884 ug/L	96
46) Tetrachloroethene	9.44	164	26112	2.6350 ug/L	100

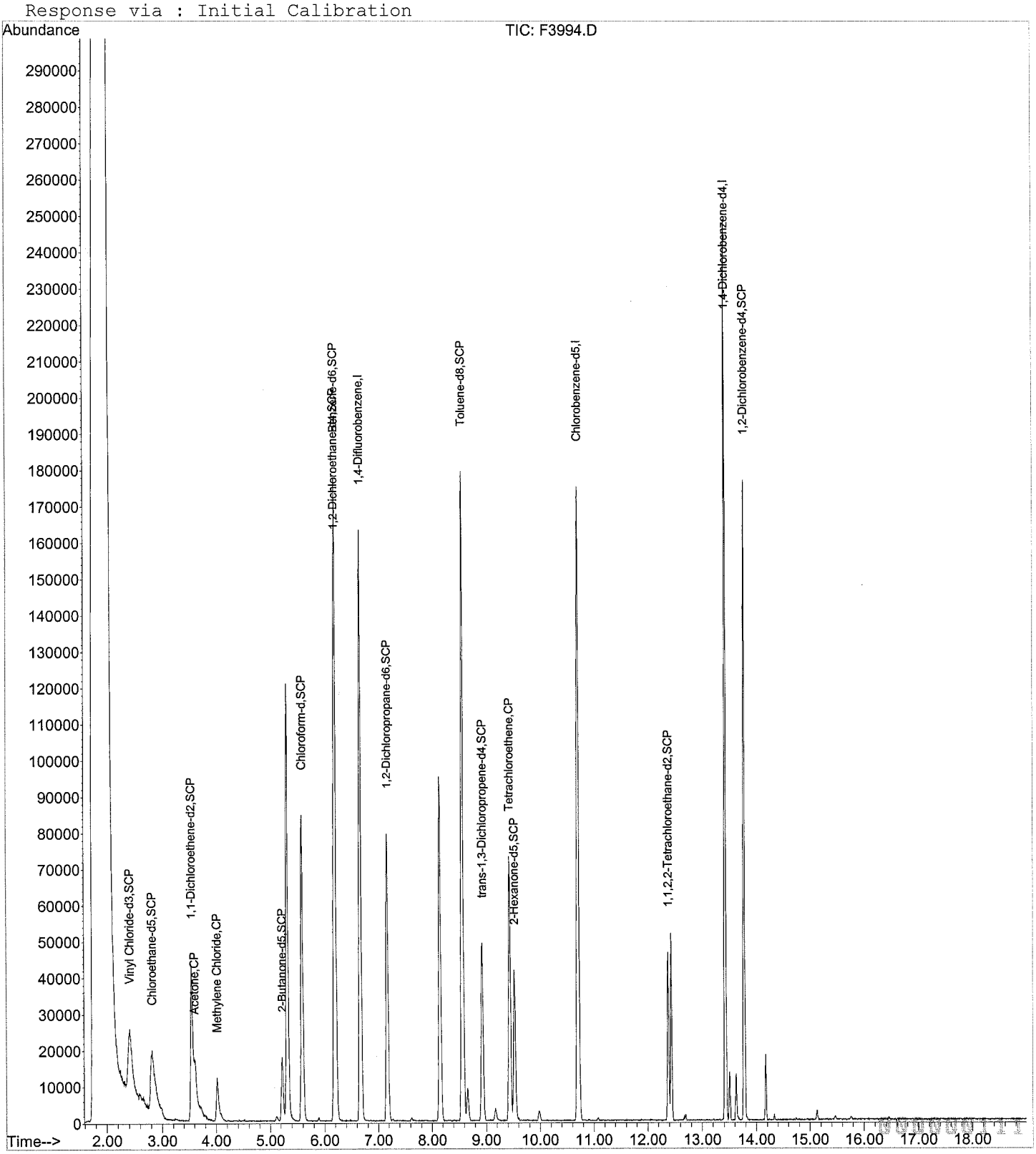
000000116

(#) = qualifier out of range (m) = manual integration (+) = signals summed

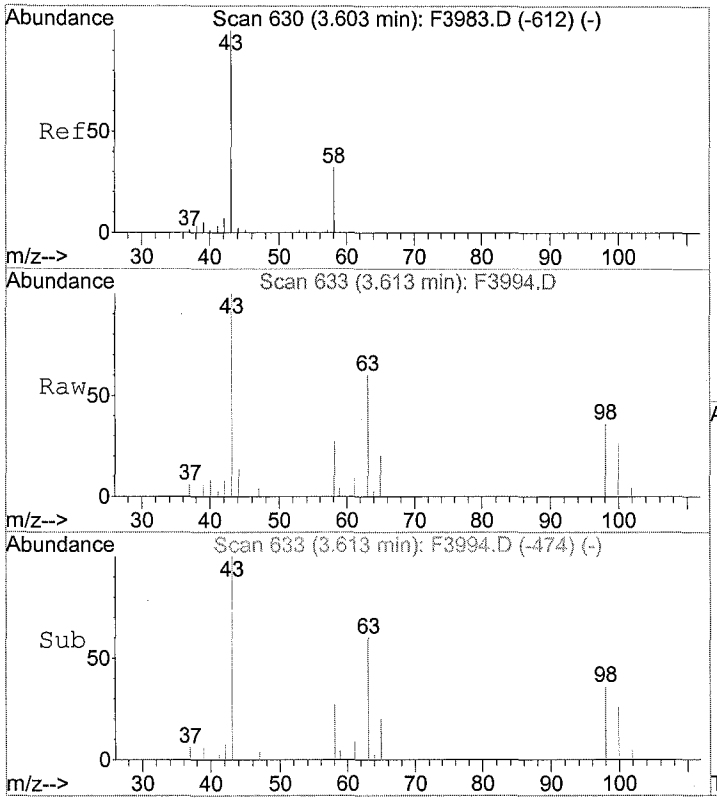
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3994.D Vial: 43
Acq On : 08/13/2010 1550 Operator: AC
Sample : 0012602-16 Inst : F-5973
Misc : F3KD0 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 17:12 2010 Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



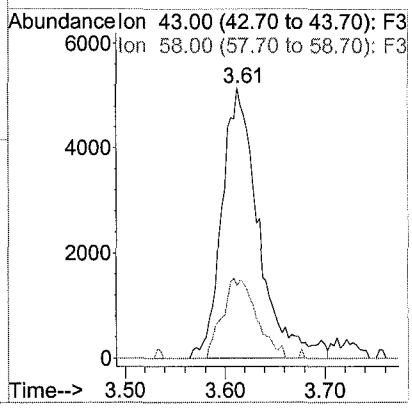
Data File : C:\MSDCHEM\1\DATA\F3994.D Vial: 43
Acq On : 08/13/2010 1550 Operator: AC
Sample : 0012602-16 Inst : F-5973
Misc : F3KD0 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

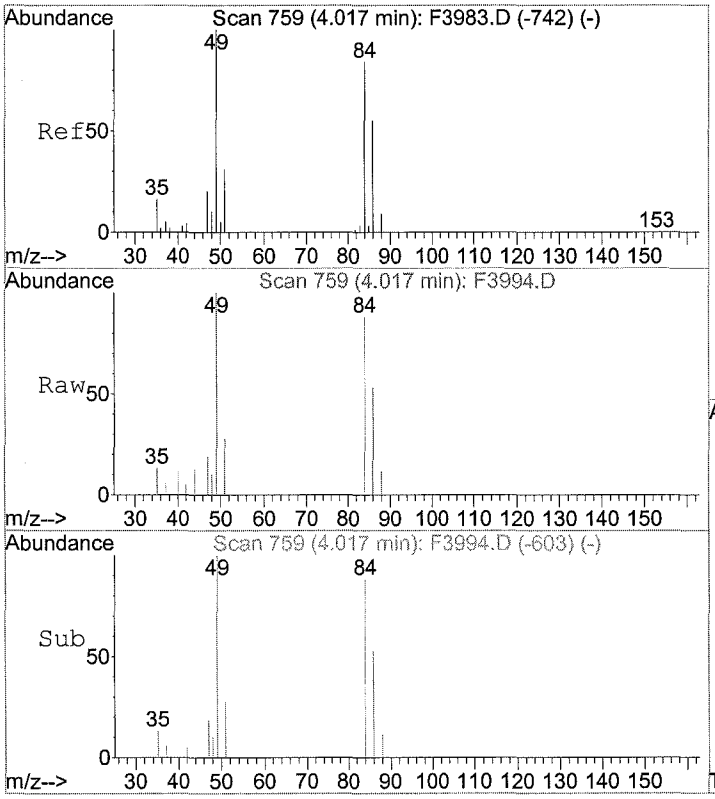


#13
Acetone
Concen: 7.0340 ug/L
RT: 3.61 min Scan# 633
Delta R.T. 0.01 min
Lab File: F3994.D
Acq: 13 Aug 2010 15:50

Tgt Ion: 43 Resp: 13328

Ion	Ratio	Lower	Upper
43	100		
58	27.4	9.3	49.3

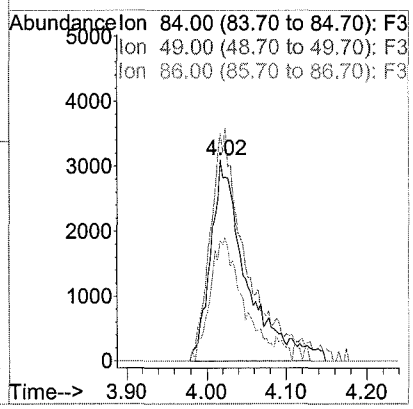




#16
Methylene Chloride
Concen: 0.9884 ug/L
RT: 4.02 min Scan# 759
Delta R.T. -0.00 min
Lab File: F3994.D
Acq: 13 Aug 2010 15:50

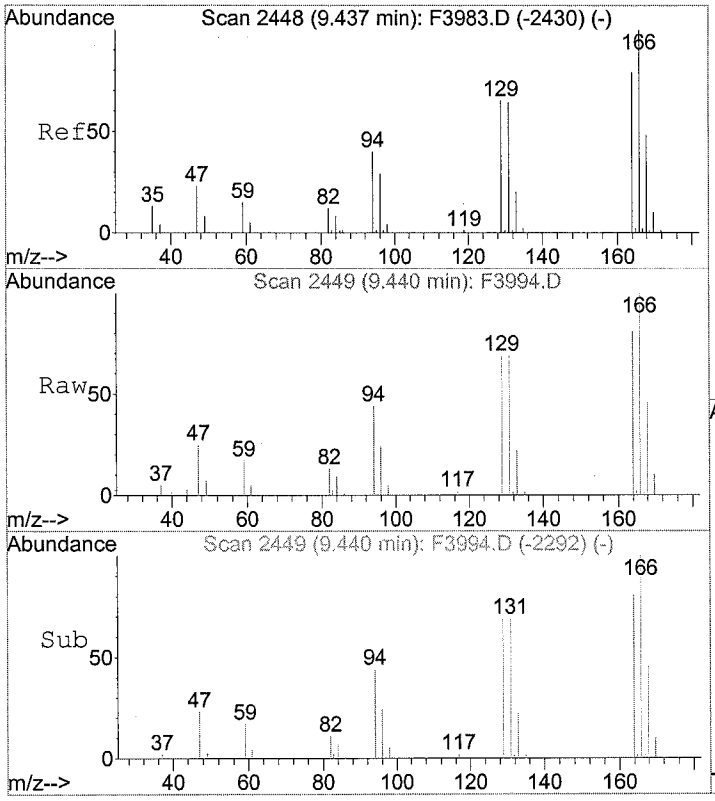
Tgt Ion: 84 Resp: 9778

Ion	Ratio	Lower	Upper
84	100		
49	118.9	97.6	137.6
86	56.5	44.0	84.0



000000112

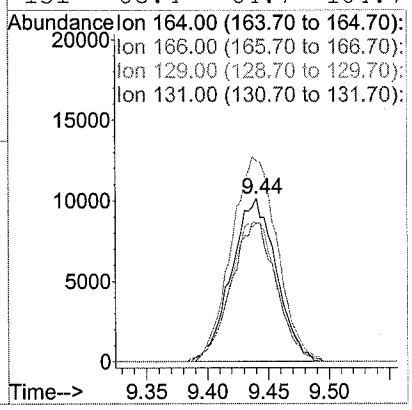
Data File : C:\MSDCHEM\1\DATA\F3994.D Vial: 43
Acq On : 08/13/2010 1550 Operator: AC
Sample : 0012602-16 Inst : F-5973
Misc : F3KD0 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML



#46
Tetrachloroethene
Concen: 2.6350 ug/L
RT: 9.44 min Scan# 2449
Delta R.T. 0.00 min
Lab File: F3994.D
Acq: 13 Aug 2010 15:50

Tgt Ion:164 Resp: 26112

Ion	Ratio	Lower	Upper
164	100		
166	128.9	108.7	148.7
129	88.8	68.9	108.9
131	85.4	64.7	104.7



000000113

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3994.D
Acq On : 08/13/2010 1550
Sample : 0012602-16
Misc : F3KD0 25ML
MS Integration Params: Lscint.p

Vial: 43
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.5

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.954	32	116	372	rBV	4150453	29046600	100.00%	86.441%
2	2.817	372	385	512	rVV4	19420	137920	0.47%	0.410%
3	3.241	512	517	535	rVB3	639	1758	0.01%	0.005%
4	3.549	596	613	698	rBV4	43260	196190	0.68%	0.584%
5	3.825	698	699	722	rVB4	1177	2038	0.01%	0.006%
6	4.017	746	759	803	rVB3	11840	37413	0.13%	0.111%
7	5.115	1099	1101	1112	rVB2	1071	1605	0.01%	0.005%
8	5.227	1123	1136	1150	rBV	17298	41841	0.14%	0.125%
9	5.323	1150	1166	1193	rVB	120017	284279	0.98%	0.846%
10	5.590	1232	1249	1272	rBV2	84202	209790	0.72%	0.624%
11	5.888	1340	1342	1349	rVB2	1006	1009	0.00%	0.003%
12	6.199	1417	1439	1463	rBV4	177428	490730	1.69%	1.460%
13	6.661	1565	1583	1615	rVB	162824	399087	1.37%	1.188%
14	7.172	1725	1742	1765	rBV4	79177	208515	0.72%	0.621%
15	8.147	2026	2046	2070	rBV3	95001	241956	0.83%	0.720%
16	8.571	2157	2178	2198	rBV	179039	453657	1.56%	1.350%
17	8.661	2198	2206	2221	rVB2	8920	19797	0.07%	0.059%
18	8.933	2271	2291	2319	rBV3	49012	123607	0.43%	0.368%
19	9.171	2355	2365	2387	rVB5	3268	7687	0.03%	0.023%
20	9.437	2430	2448	2464	rBV3	72791	189445	0.65%	0.564%
21	9.527	2464	2476	2496	rVB2	41132	102939	0.35%	0.306%
22	9.976	2606	2616	2630	rVB5	2734	6559	0.02%	0.020%
23	10.708	2823	2844	2871	rBV2	174679	445300	1.53%	1.325%
24	12.380	3352	3365	3374	rBV3	46260	84417	0.29%	0.251%
25	12.437	3374	3383	3395	rVB	51621	83934	0.29%	0.250%
26	13.429	3679	3692	3705	rVB	248420	415181	1.43%	1.236%
27	13.506	3705	3716	3725	rVB6	13283	20045	0.07%	0.060%
28	13.625	3745	3753	3763	rBV3	12678	19369	0.07%	0.058%
29	13.779	3788	3801	3825	rVB2	176367	294953	1.02%	0.878%
30	14.174	3914	3924	3932	rVB2	18109	24824	0.09%	0.074%
31	14.334	3972	3974	3992	rVB2	1672	1258	0.00%	0.004%
32	15.123	4216	4220	4231	rVB6	2692	3929	0.01%	0.012%
33	15.467	4319	4327	4336	rVB4	930	1579	0.01%	0.005%
34	15.765	4411	4420	4425	rBV4	731	1227	0.00%	0.004%
35	16.096	4522	4523	4545	rBV3	454	1418	0.00%	0.004%
36	18.656	5310	5321	5337	rBV2	375	1013	0.00%	0.003%

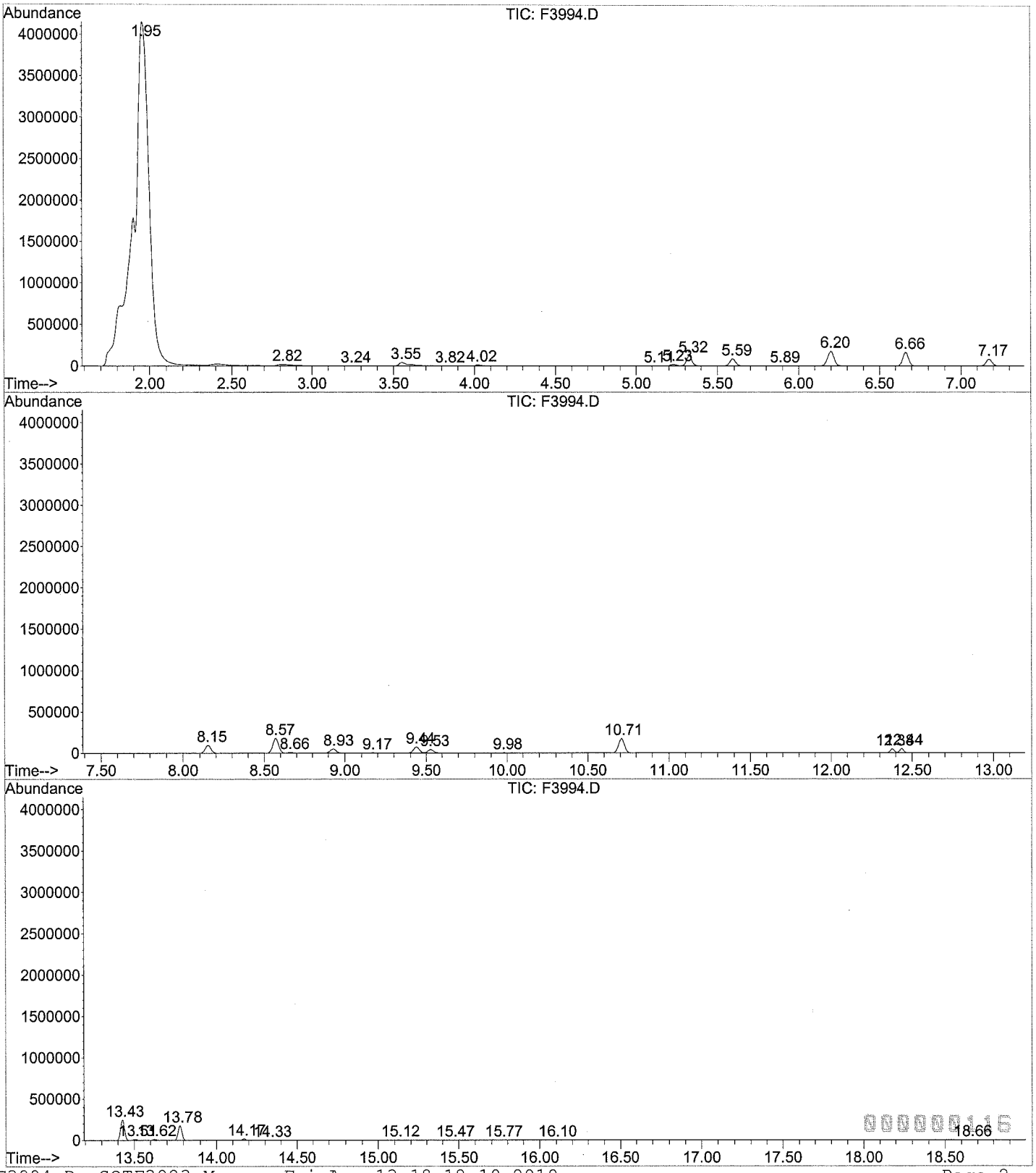
Sum of corrected areas: 33602869

000000114

LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3994.D
Acq On : 08/13/2010 1550
Sample : 0012602-16
Misc : F3KD0 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 43
Operator: AC
Inst : F-5973
Multiplr: 1.00



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3994.D Vial: 43
Acq On : 08/13/2010 1550 Operator: AC
Sample : 0012602-16 Inst : F-5973
Misc : F3KD0 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

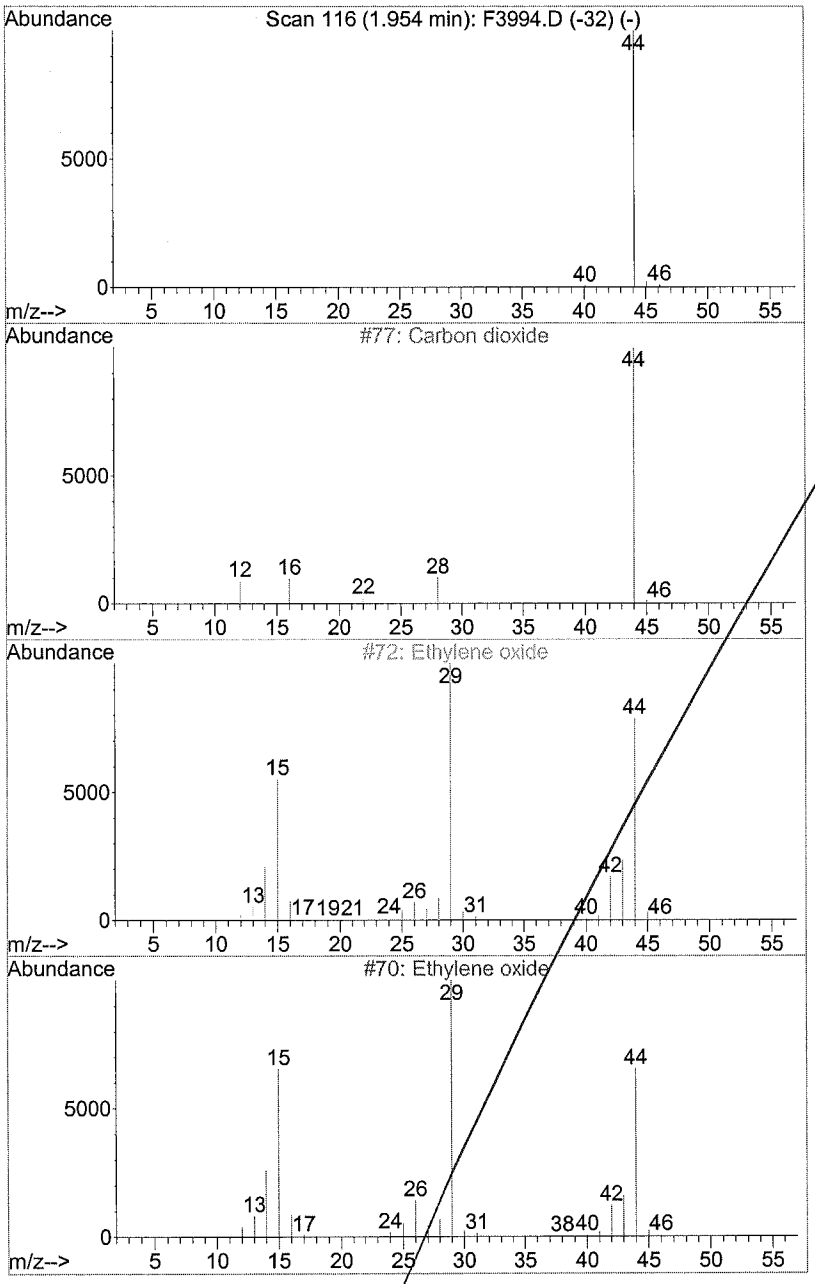
****

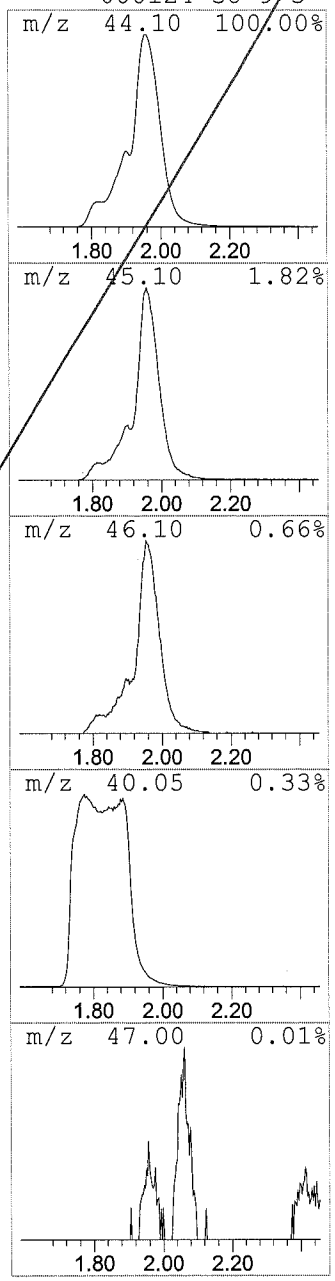
Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	363.91 ug/L	29046600	1,4-Difluorobenzene	6.66

CO2

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3





000000117

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3994.D Vial: 43
Acq On : 08/13/2010 1550 Operator: AC
Sample : 0012602-16 Inst : F-5973
Misc : F3KD0 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

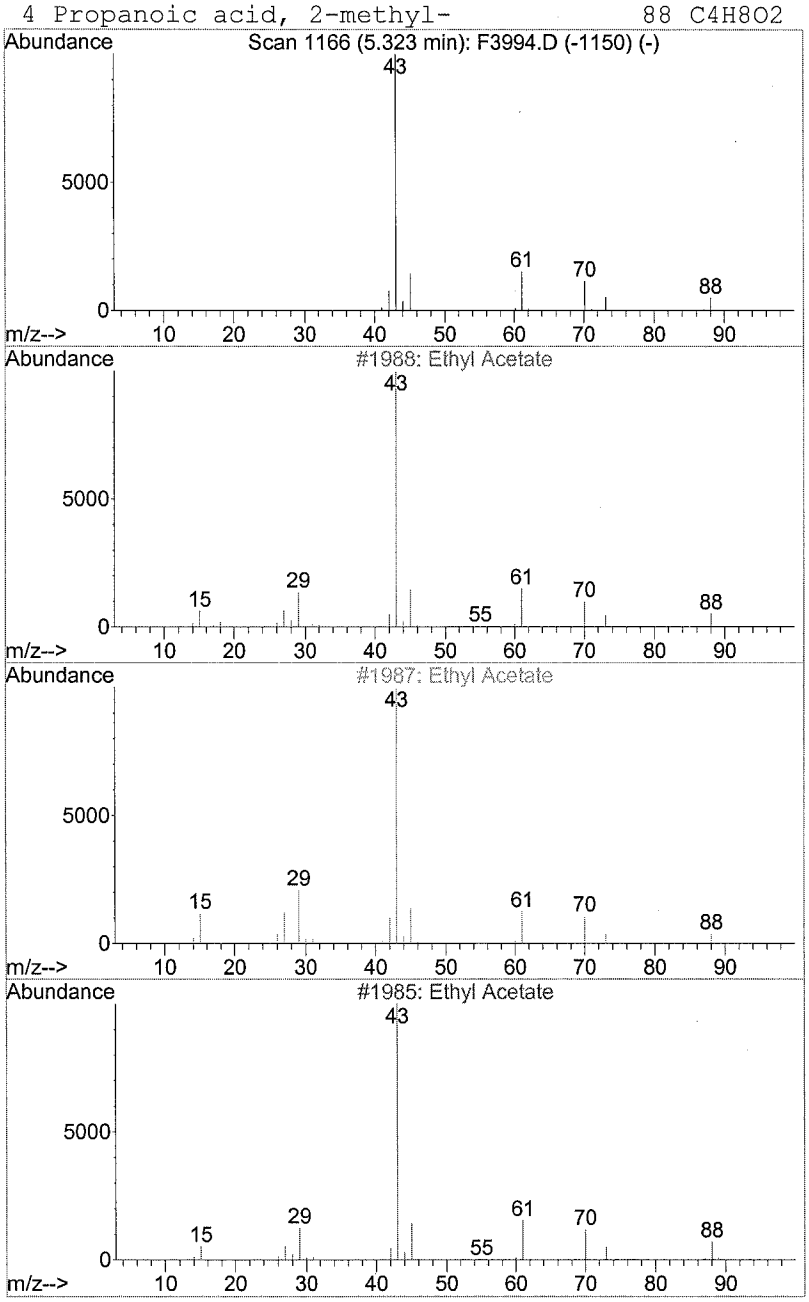
Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

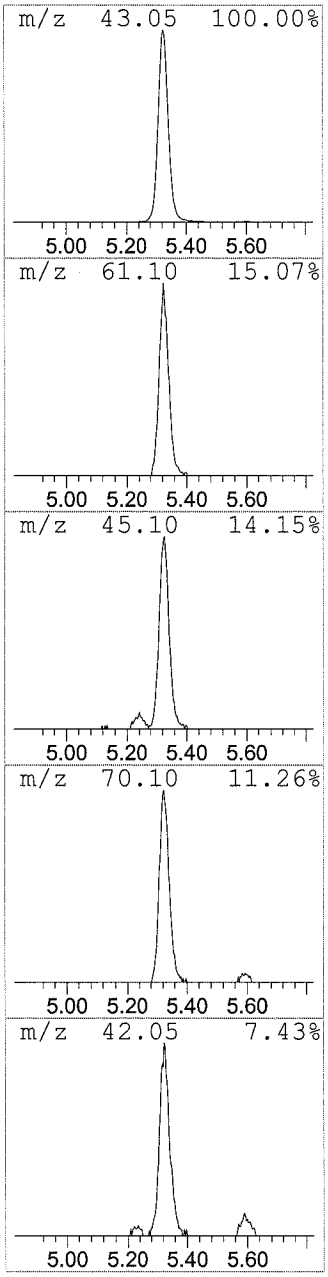
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	3.56 ug/L	284279	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	86
3	Ethyl Acetate	88	C4H8O2	000141-78-6	64
4	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	9





000000118

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3994.D
Acq On : 08/13/2010 1550
Sample : 0012602-16
Misc : F3KD0 25ML
MS Integration Params: Lscint.p

Vial: 43
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

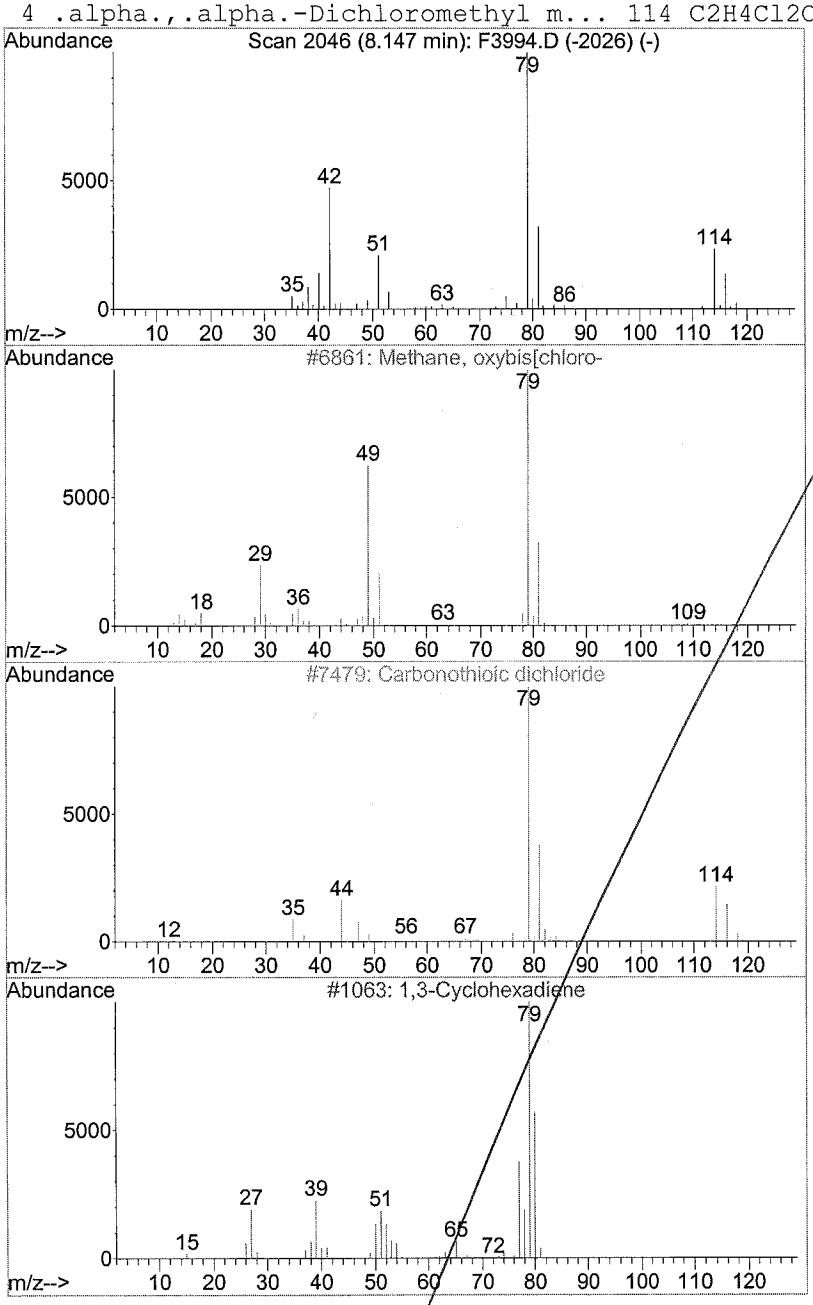
Dme adjust

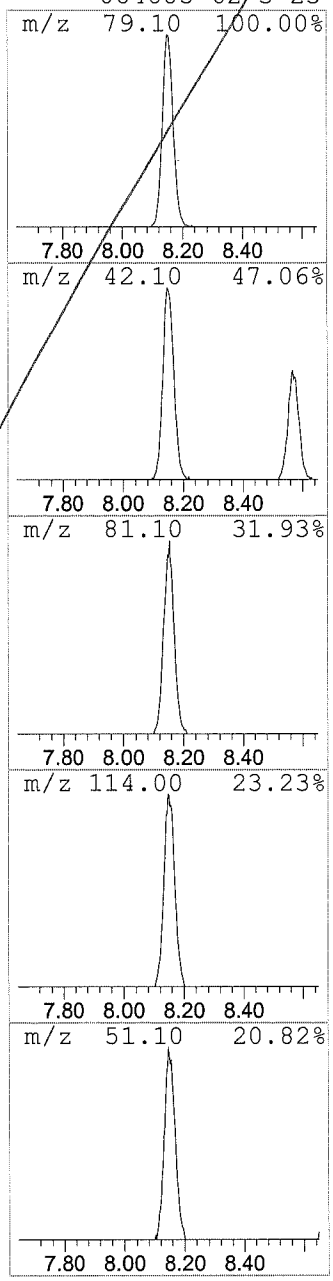
****

Peak Number 3 Methane, oxybis[chloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.03 ug/L	241956	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	38
2	Carbonothioic dichloride	114	CCl2S	000463-71-8	28
3	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25
4	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	25





000000119

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3994.D
Acq On : 08/13/2010 1550
Sample : 0012602-16
Misc : F3KD0 25ML
MS Integration Params: Lscint.p

Vial: 43
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

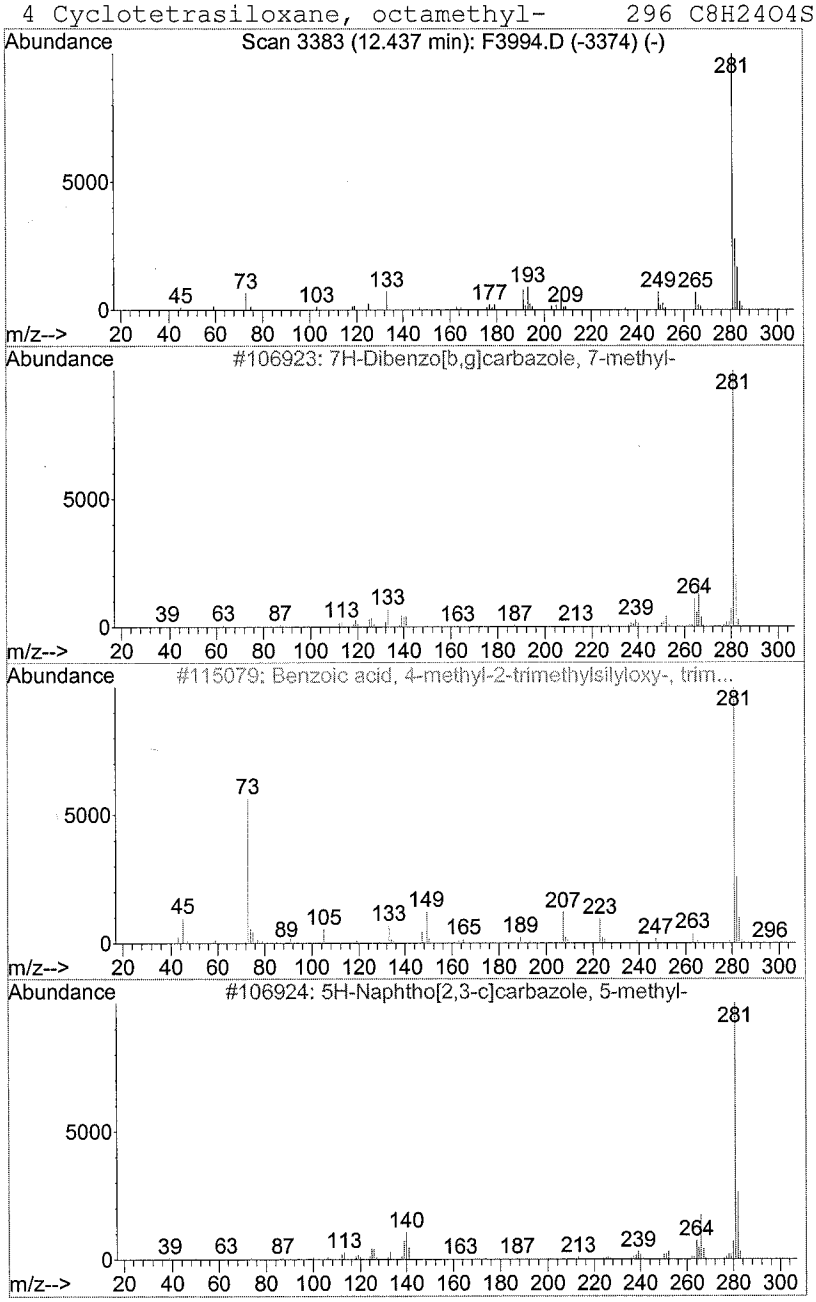
****

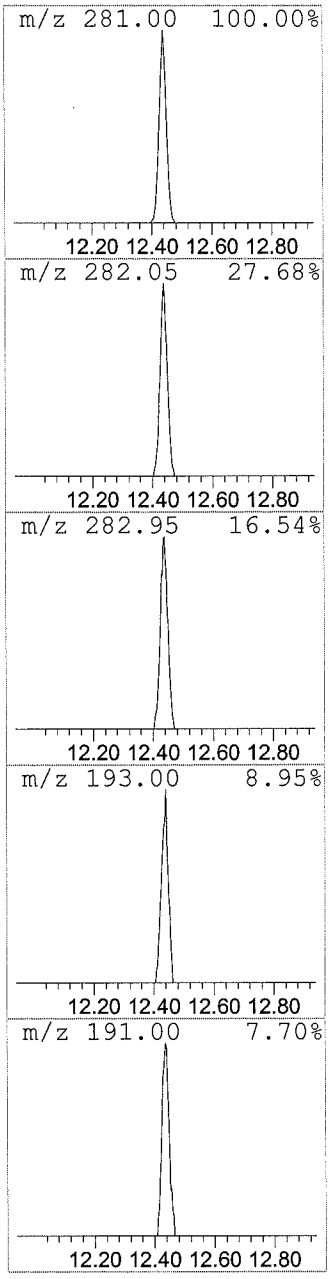
Peak Number 4 7H-Dibenzo[b,g]carbazole, 7... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	1.01 ug/L	83934	1,4-Dichlorobenzene-d4	13.43

Unknown

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Dibenzo[b,g]carbazole, 7-methyl-	281	C21H15N	003557-49-1	72
2	Benzoic acid, 4-methyl-2-trimeth...	296	C14H24O3Si2	1000153-59-3	72
3	5H-Naphtho[2,3-c]carbazole, 5-me...	281	C21H15N	100025-44-3	56
4	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	53





000000120

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 15:50
Data File: C:\MSDCHEM\1\DATA\F3994.D
Name: 0012602-16
Misc: F3KD0 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard---| |#	RT	Resp	Conc|
Carbon dioxide	1.95	363.9	ug/L	29046600	1	6.66	399087	5.0
Ethyl Acetate	5.32	3.6	ug/L	284279	1	6.66	399087	5.0
Methane, oxybis[c...	8.15	3.0	ug/L	241956	1	6.66	399087	5.0
7H-Dibenzo[b,g]ca...	12.44	1.0	ug/L	83934	3	13.43	415181	5.0

000000121

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-01

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2779.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	25	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.9	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-01

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2779.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	1.5	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KE2

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-01

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2779.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01 (5.43)	4.17	4.7	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2779.D
Acq On : 08/12/2010 2229
Sample : 0012602-01
Misc : F3KE2 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:30:56 2010

Vial: 26
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/17/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	205494	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	174034	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.88	152	83487	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	18533	6.6786 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 133.57%#		
7) Chloroethane-d5	1.84	69	14149	6.8821 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 137.64%#		
10) 1,1-Dichloroethene-d2	2.48	63	111416	4.5767 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 91.53%		
20) 2-Butanone-d5	4.03	46	118384	44.2953 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 88.59%		
24) Chloroform-d	4.39	84	122535	4.6051 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 92.10%		
26) 1,2-Dichloroethane-d4	4.92	65	71692	4.2307 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 84.61%		
32) Benzene-d6	4.94	84	242120	5.1571 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 103.14%		
35) 1,2-Dichloropropane-d6	5.87	67	66974	4.7843 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 95.69%		
41) Toluene-d8	7.27	98	216722	5.0253 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 100.51%		
43) trans-1,3-Dichloropropene-	7.63	79	58410	4.0580 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 81.16%		
47) 2-Hexanone-d5	8.25	63	29450	41.1040 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 82.21%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	33756	3.8756 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 77.51%		
63) 1,2-Dichlorobenzene-d4	13.28	152	62662	4.6546 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 93.09%		

Target Compounds					Qvalue
13) Acetone	2.54	43	68472	25.0066 ug/L	95
22) 2-Butanone	4.10	43	8505	1.9388 ug/L	97
46) Tetrachloroethene	8.12	164	12954	1.4619 ug/L	98

000000125

(#) = qualifier out of range (m) = manual integration (+) = signals summed

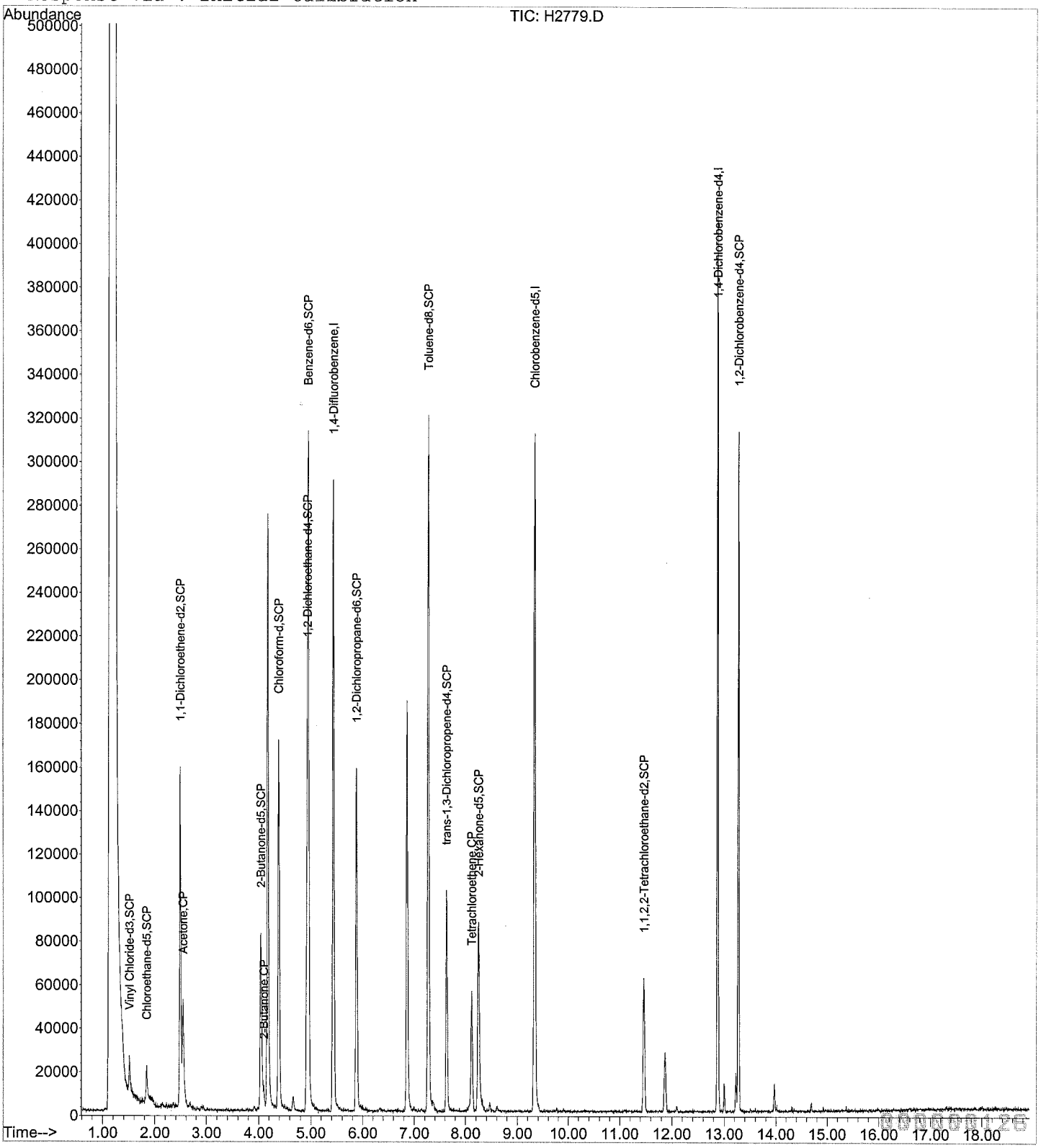
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2779.D
Acq On : 08/12/2010 2229
Sample : 0012602-01
Misc : F3KE2 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 16:45 2010

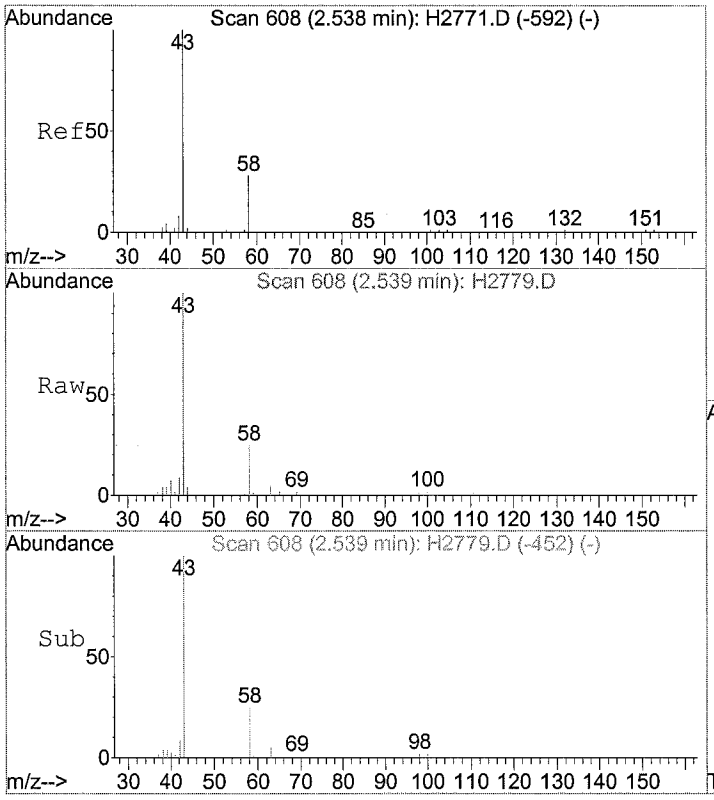
Vial: 26
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



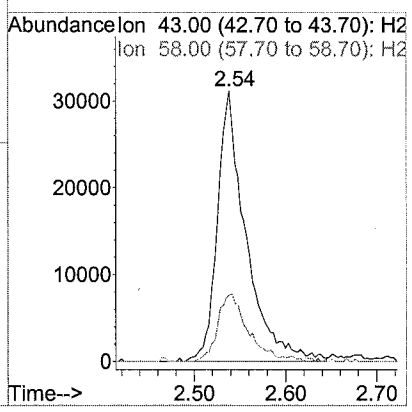
Data File : C:\MSDCHEM\1\DATA\H2779.D Vial: 26
Acq On : 08/12/2010 2229 Operator: AC
Sample : 0012602-01 Inst : H-5975
Misc : F3KE2 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

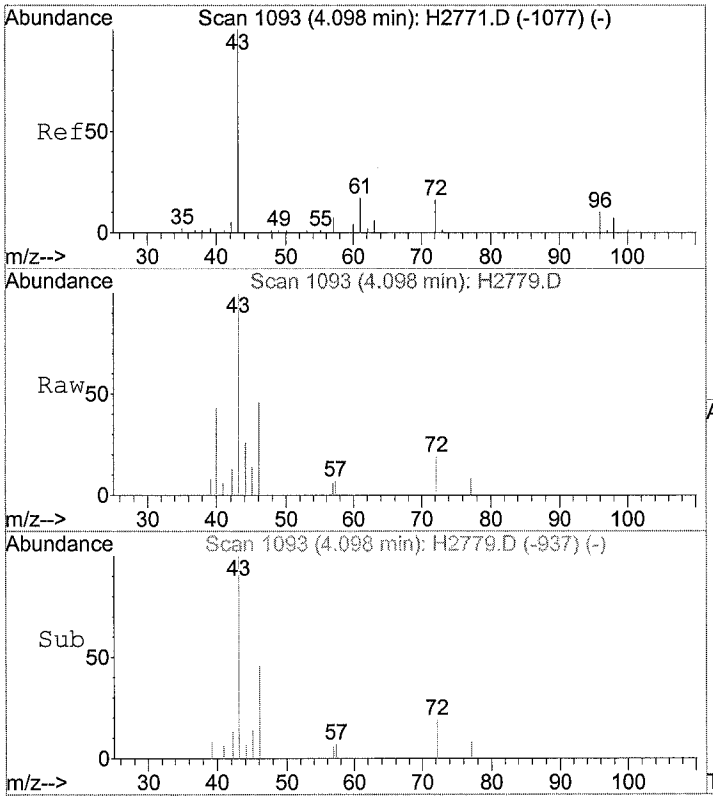


#13
Acetone
Concen: 25.0066 ug/L
RT: 2.54 min Scan# 608
Delta R.T. 0.00 min
Lab File: H2779.D
Acq: 12 Aug 2010 22:29

Tgt Ion: 43 Resp: 68472

Ion	Ratio	Lower	Upper
43	100		
58	26.7	9.3	49.3

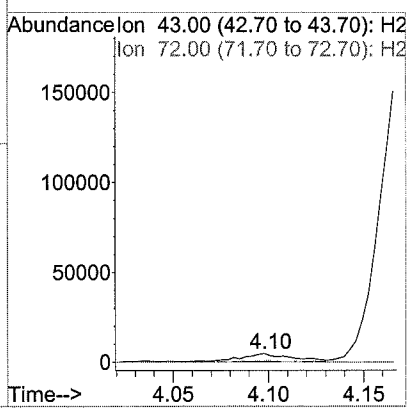




#22
2-Butanone
Concen: 1.9388 ug/L
RT: 4.10 min Scan# 1093
Delta R.T. 0.00 min
Lab File: H2779.D
Acq: 12 Aug 2010 22:29

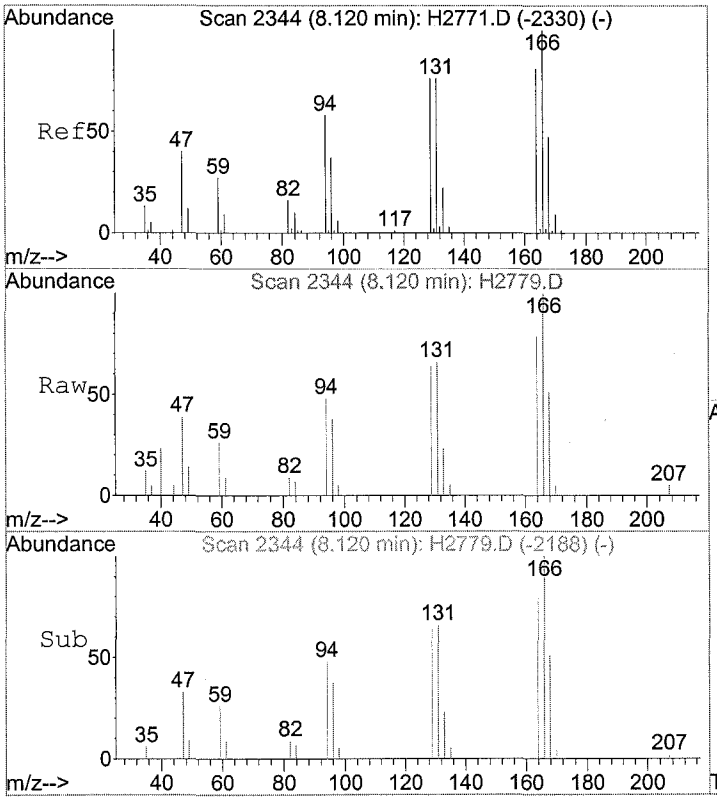
Tgt Ion: 43 Resp: 8505

Ion	Ratio	Lower	Upper
43	100		
72	16.0	0.0	37.4



000000127

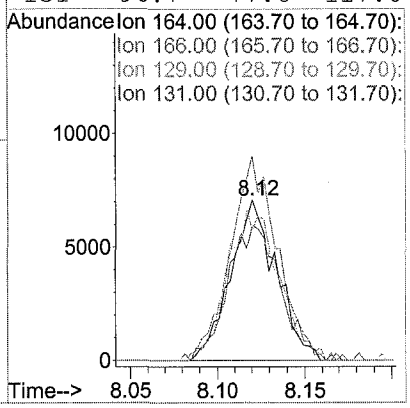
```
Data File : C:\MSDCHEM\1\DATA\H2779.D                    Vial: 26
Acq On    : 08/12/2010  2229                          Operator: AC
Sample    : 0012602-01                                Inst    : H-5975
Misc      : F3KE2   25ML                              Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title     : CLP SOM01.2-TRACE VOA-WATER -25ML
```



#46
Tetrachloroethene
Concen: 1.4619 ug/L
RT: 8.12 min Scan# 2344
Delta R.T. 0.00 min
Lab File: H2779.D
Acq: 12 Aug 2010 22:29

Tgt Ion:164 Resp: 12954

Ion	Ratio	Lower	Upper
164	100		
166	131.5	106.2	146.2
129	104.0	82.3	122.3
131	96.7	77.0	117.0



000000128

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\H2779.D
Acq On : 08/12/2010 2229
Sample : 0012602-01
Misc : F3KE2 25ML
MS Integration Params: Lscint.p

Vial: 26
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.166	156	181	237	rBV	4088398	20607519	100.00%	76.118%
2	1.510	282	288	295	rBV4	14604	17800	0.09%	0.066%
3	1.580	308	310	313	rVB2	3214	1721	0.01%	0.006%
4	1.841	385	391	398	rBV2	15132	21341	0.10%	0.079%
5	2.358	550	552	556	rVB3	2375	1742	0.01%	0.006%
6	2.484	577	591	600	rBV2	156157	256532	1.24%	0.948%
7	2.539	602	608	627	rVB2	47973	97852	0.47%	0.361%
8	4.037	1062	1074	1089	rBV2	80787	184601	0.90%	0.682%
9	4.098	1091	1093	1095	rVB2	4344	1874	0.01%	0.007%
10	4.172	1103	1116	1141	rBV	271754	517203	2.51%	1.910%
11	4.387	1170	1183	1201	rBV2	169297	323493	1.57%	1.195%
12	4.645	1258	1263	1264	rBV2	2975	2074	0.01%	0.008%
13	4.657	1264	1267	1268	rBV3	3995	2644	0.01%	0.010%
14	4.944	1336	1356	1380	rBV3	312192	772166	3.75%	2.852%
15	5.034	1383	1384	1388	rVV2	2940	2289	0.01%	0.008%
16	5.156	1419	1422	1427	rBV2	1575	1828	0.01%	0.007%
17	5.432	1492	1508	1526	rBV2	290041	555327	2.69%	2.051%
18	5.876	1632	1646	1666	rBV4	157459	325705	1.58%	1.203%
19	6.863	1936	1953	1967	rBV3	188448	355871	1.73%	1.314%
20	7.268	2063	2079	2096	rBV	319275	624084	3.03%	2.305%
21	7.352	2102	2105	2108	rBV3	2469	1772	0.01%	0.007%
22	7.632	2180	2192	2205	rBV3	101694	189757	0.92%	0.701%
23	8.120	2333	2344	2357	rVB6	55296	111419	0.54%	0.412%
24	8.246	2369	2383	2397	rBV3	86639	195074	0.95%	0.721%
25	8.313	2403	2404	2410	rVB3	4088	2464	0.01%	0.009%
26	8.455	2444	2448	2451	rBV4	3936	3678	0.02%	0.014%
27	9.332	2703	2721	2735	rBV	311123	628070	3.05%	2.320%
28	9.406	2742	2744	2752	rVB5	3307	2759	0.01%	0.010%
29	11.467	3372	3385	3397	rBV2	61481	126802	0.62%	0.468%
30	11.866	3495	3509	3521	rBV3	27238	57678	0.28%	0.213%
31	12.873	3812	3822	3837	rVB	415069	587264	2.85%	2.169%
32	12.998	3855	3861	3862	rBV	12805	8651	0.04%	0.032%
33	13.229	3925	3933	3939	rBV4	17637	22705	0.11%	0.084%
34	13.281	3939	3949	3959	rVB2	311390	434473	2.11%	1.605%
35	13.503	4015	4018	4024	rBV2	1750	1868	0.01%	0.007%
36	13.969	4154	4163	4172	rBV	12678	17808	0.09%	0.066%
37	14.307	4264	4268	4271	rVB2	2874	1696	0.01%	0.006%
38	14.692	4387	4388	4392	rVB	4091	2012	0.01%	0.007%
39	14.921	4457	4459	4464	rBV	2579	1720	0.01%	0.006%

000000129

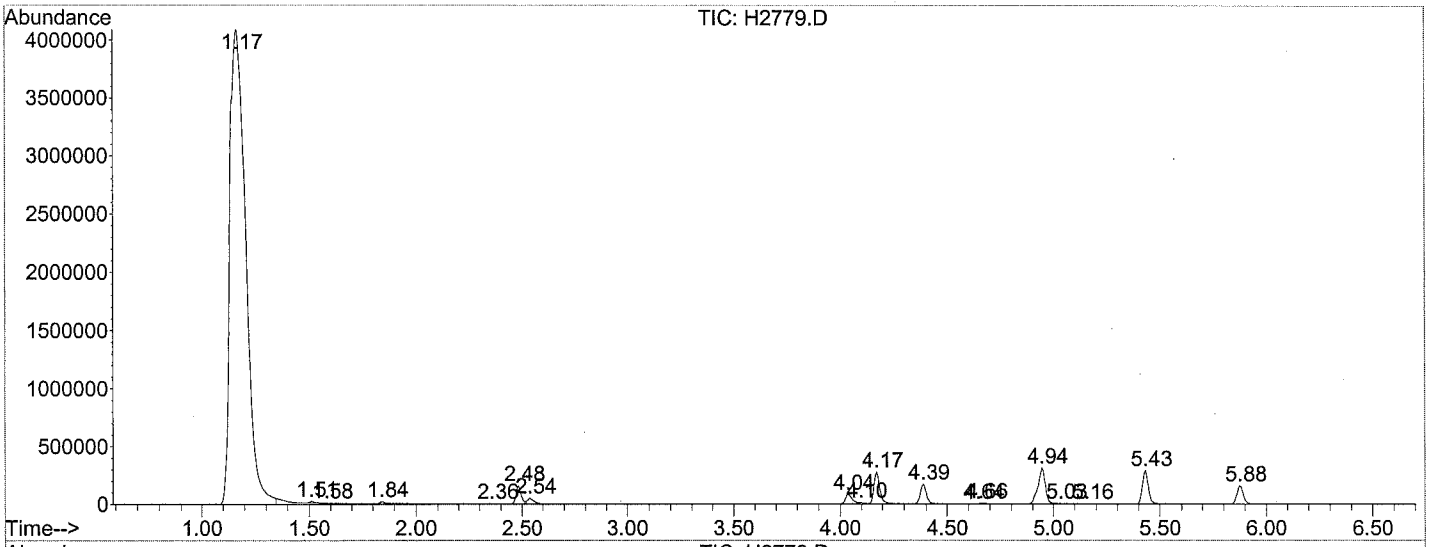
40	18.011	5417	5420	5425	rVB4	2270	1924	0.01%	0.007%

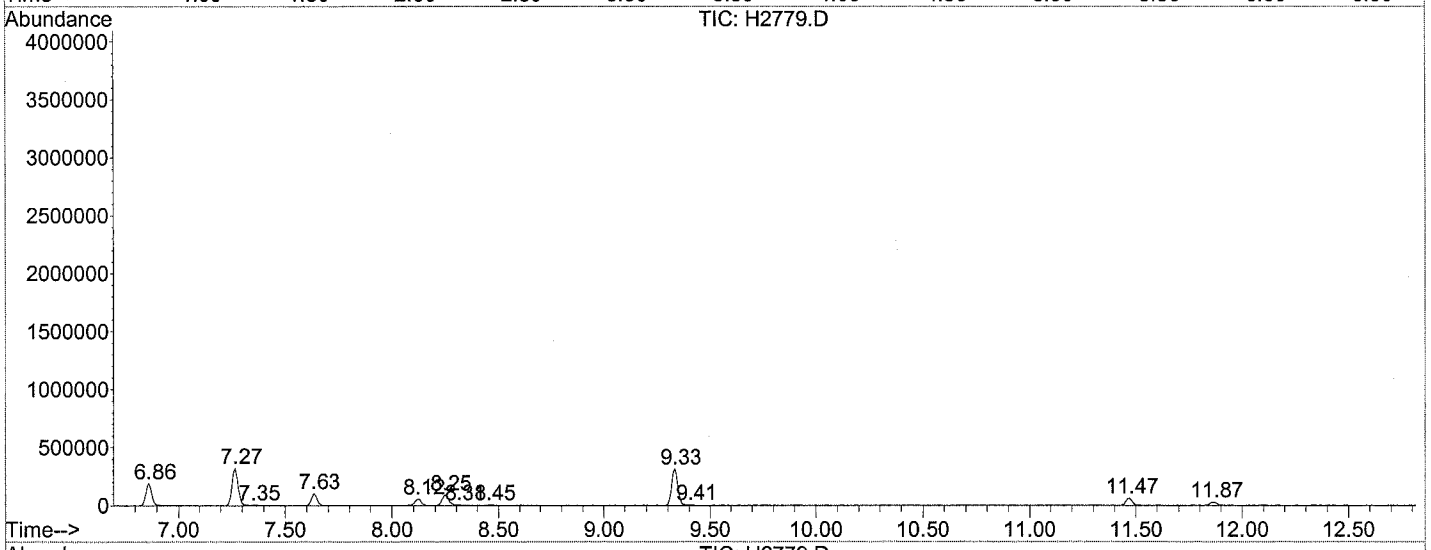
Sum of corrected areas: 27073260

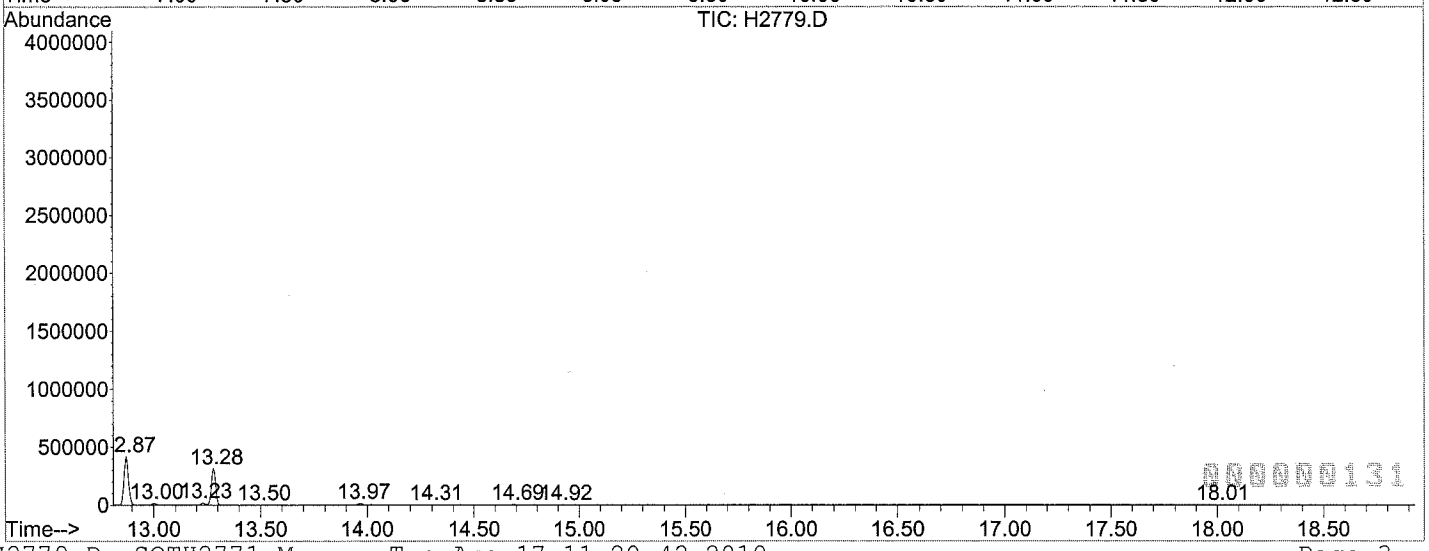
000000130

LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\H2779.D Vial: 26
Acq On : 08/12/2010 2229 Operator: AC
Sample : 0012602-01 Inst : H-5975
Misc : F3KE2 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML







000000131

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2779.D Vial: 26
Acq On : 08/12/2010 2229 Operator: AC
Sample : 0012602-01 Inst : H-5975
Misc : F3KE2 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

CO_2

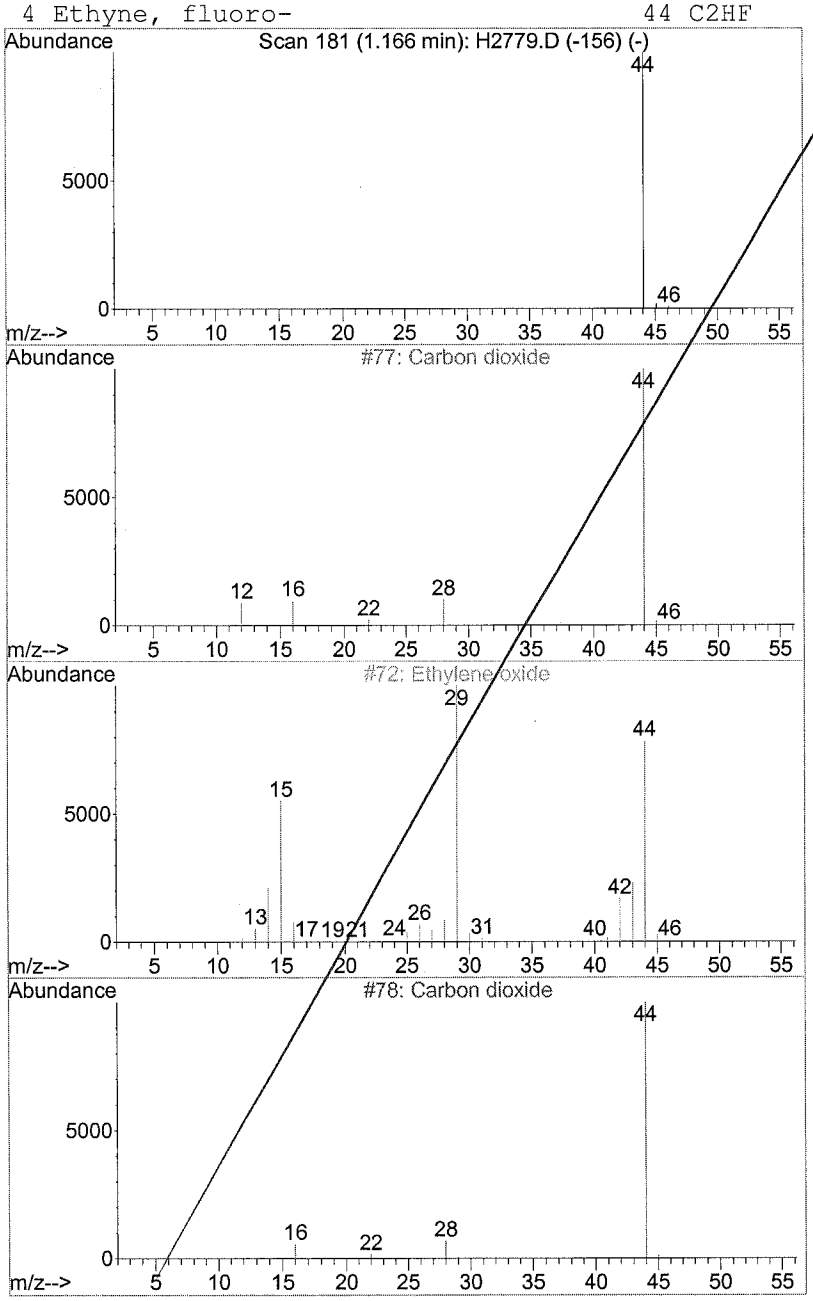
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

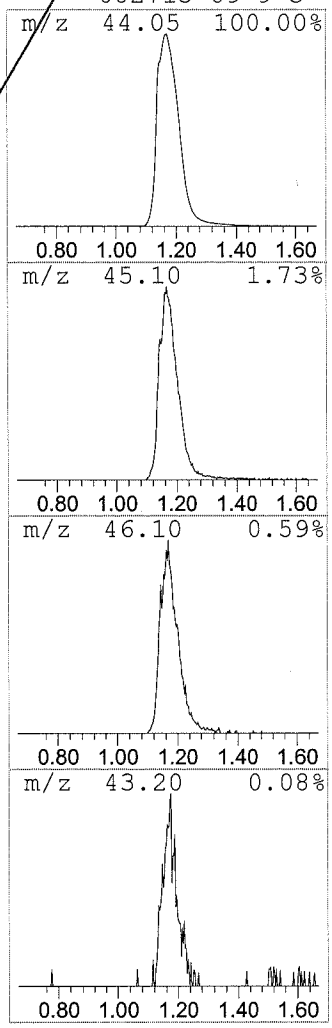
****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.17	185.54 ug/L	20607500	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Carbon dioxide	44	CO2	000124-38-9	3
4	Ethyne, fluoro-	44	C2HF	002713-09-9	3





000000132

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2779.D Vial: 26
Acq On : 08/12/2010 2229 Operator: AC
Sample : 0012602-01 Inst : H-5975
Misc : F3KE2 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

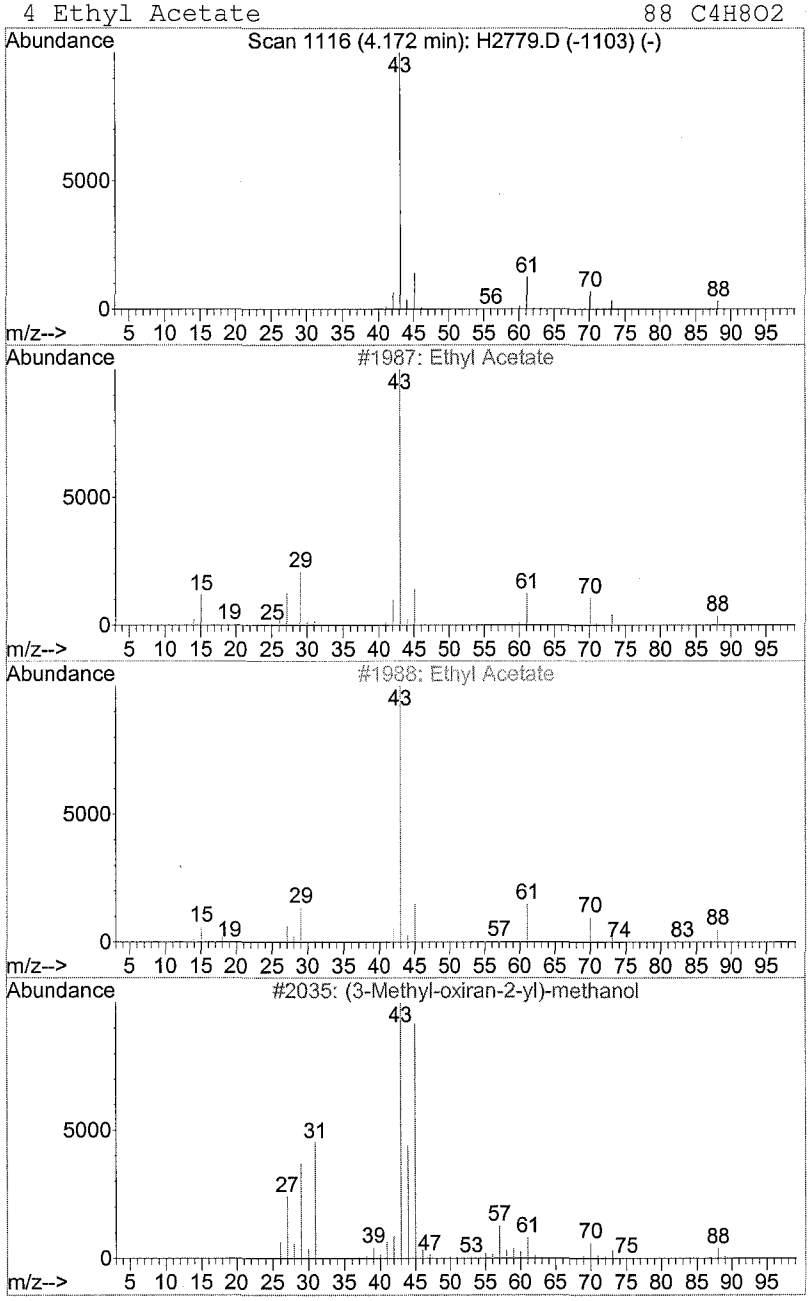
****

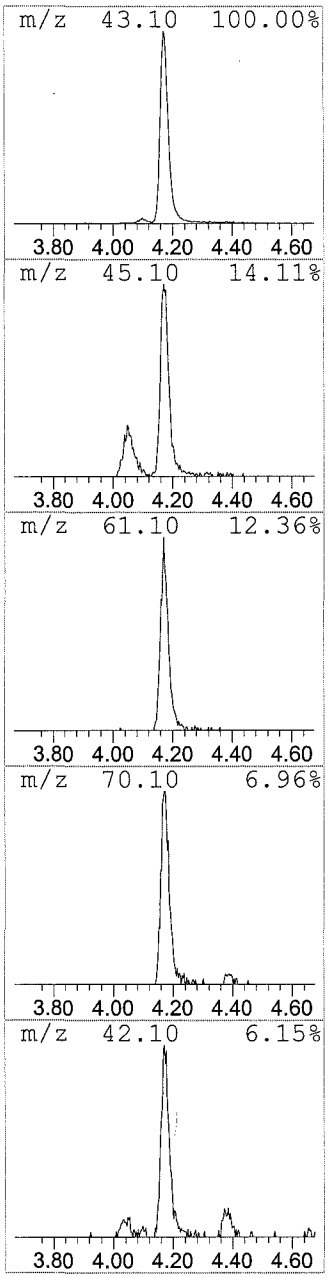
Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	4.66 ug/L	517203	1,4-Difluorobenzene	5.43

unknown

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	72
2	Ethyl Acetate	88	C4H8O2	000141-78-6	64
3	(3-Methyl-oxiran-2-yl)-methanol	88	C4H8O2	1000194-22-9	9
4	Ethyl Acetate	88	C4H8O2	000141-78-6	9





000000133

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2779.D Vial: 26
Acq On : 08/12/2010 2229 Operator: AC
Sample : 0012602-01 Inst : H-5975
Misc : F3KE2 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

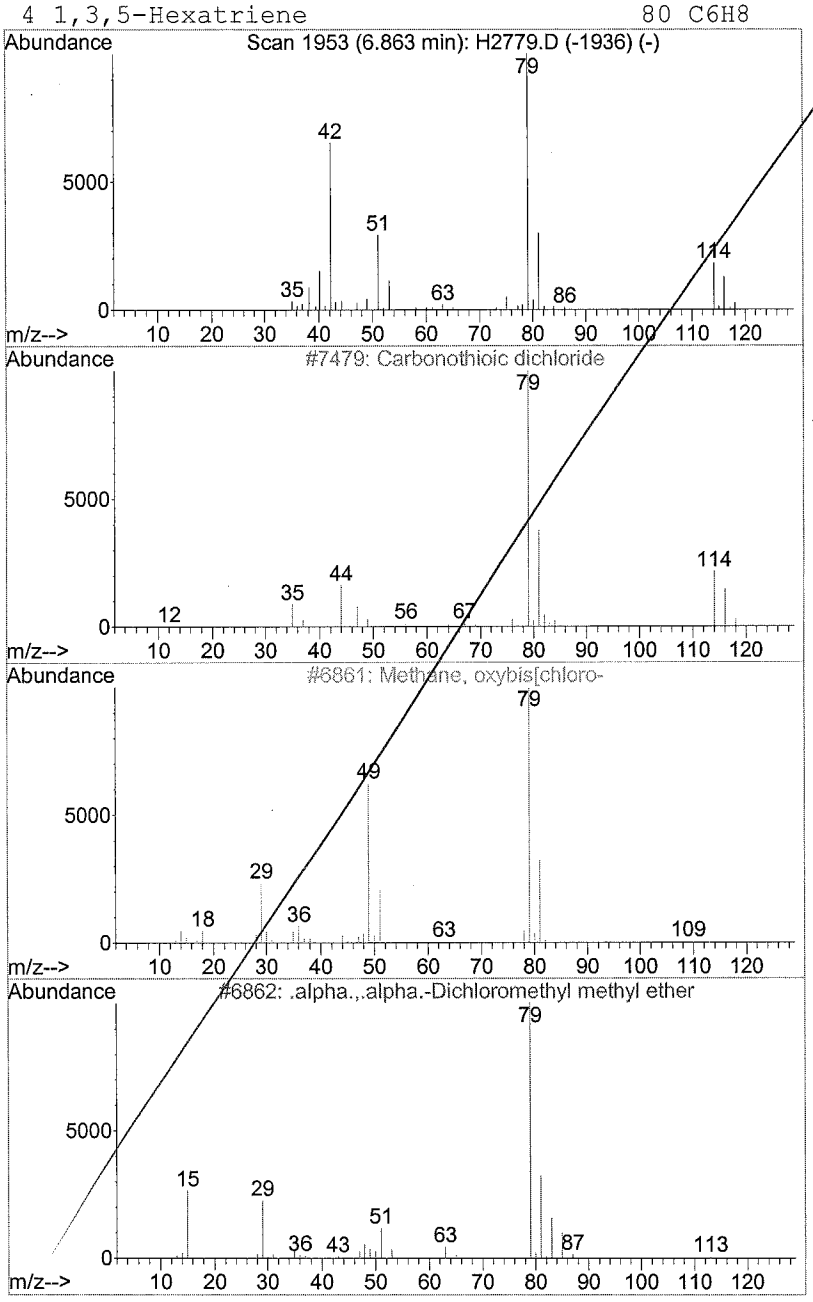
****

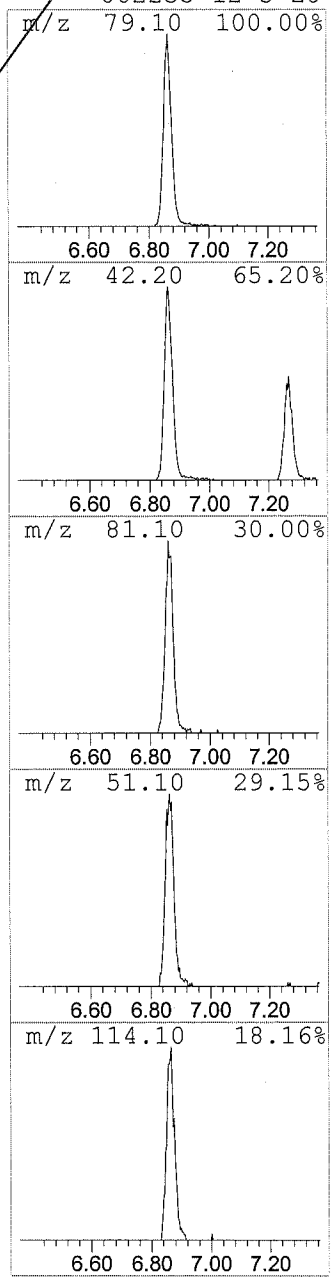
Peak Number 3 Carbonothioic dichloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.20 ug/L	355871	1,4-Difluorobenzene	5.43

DMC

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	49
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	37
3	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	37
4	1,3,5-Hexatriene	80	C6H8	002235-12-3	28





000000134

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 12 Aug 2010 22:29
Data File: C:\MSDCHEM\1\DATA\H2779.D
Name: 0012602-01
Misc: F3KE2 25ML
Method: C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title: CLP SOM01.2-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.17	185.5	ug/L	20607500	1	5.43	555327	5.0
Ethyl Acetate	4.17	4.7	ug/L	517203	1	5.43	555327	5.0
Carbonothioic dic...	6.86	3.2	ug/L	355871	1	5.43	555327	5.0

000000135

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-02

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2780.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	13	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.5	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-02

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2780.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	1.6	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KE3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-02

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2780.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01 (5.43)	4.17	6.2	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2780.D
Acq On : 08/12/2010 2255
Sample : 0012602-02
Misc : F3KE3 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:31:14 2010

Vial: 27
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/17/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	213674	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.34	117	177349	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	84407	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	19048	6.6014 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 132.03%#		
7) Chloroethane-d5	1.84	69	13806	6.4581 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 129.16%		
10) 1,1-Dichloroethene-d2	2.48	63	119450	4.7188 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 94.38%		
20) 2-Butanone-d5	4.04	46	125770	45.2573 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 90.51%		
24) Chloroform-d	4.39	84	127993	4.6261 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 92.52%		
26) 1,2-Dichloroethane-d4	4.92	65	74045	4.2023 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 84.05%		
32) Benzene-d6	4.95	84	251308	5.2528 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 105.06%		
35) 1,2-Dichloropropane-d6	5.88	67	66891	4.6890 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 93.78%		
41) Toluene-d8	7.26	98	222881	5.0716 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 101.43%		
43) trans-1,3-Dichloropropene-	7.63	79	58143	3.9640 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 79.28%		
47) 2-Hexanone-d5	8.24	63	31937	43.7419 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 87.48%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	33494	3.7737 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 75.47%		
63) 1,2-Dichlorobenzene-d4	13.28	152	61219	4.4978 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 89.96%		

Target Compounds					Qvalue
13) Acetone	2.54	43	35706	12.5410 ug/L	99
22) 2-Butanone	4.09	43	6630	1.4535 ug/L	96
46) Tetrachloroethene	8.12	164	14068	1.5580 ug/L	97

000000139

(#) = qualifier out of range (m) = manual integration (+) = signals summed

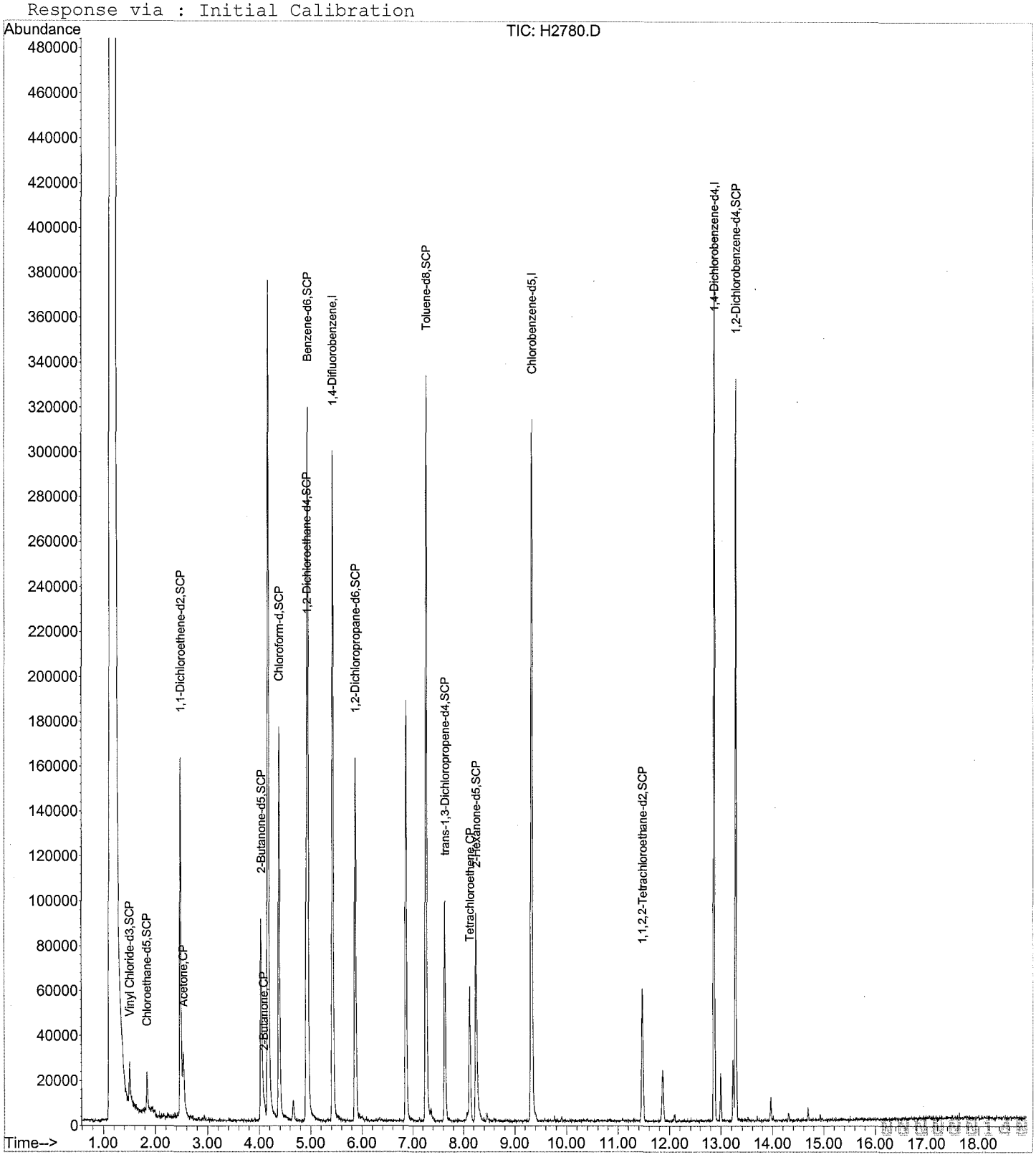
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2780.D
Acq On : 08/12/2010 2255
Sample : 0012602-02
Misc : F3KE3 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 16:48 2010

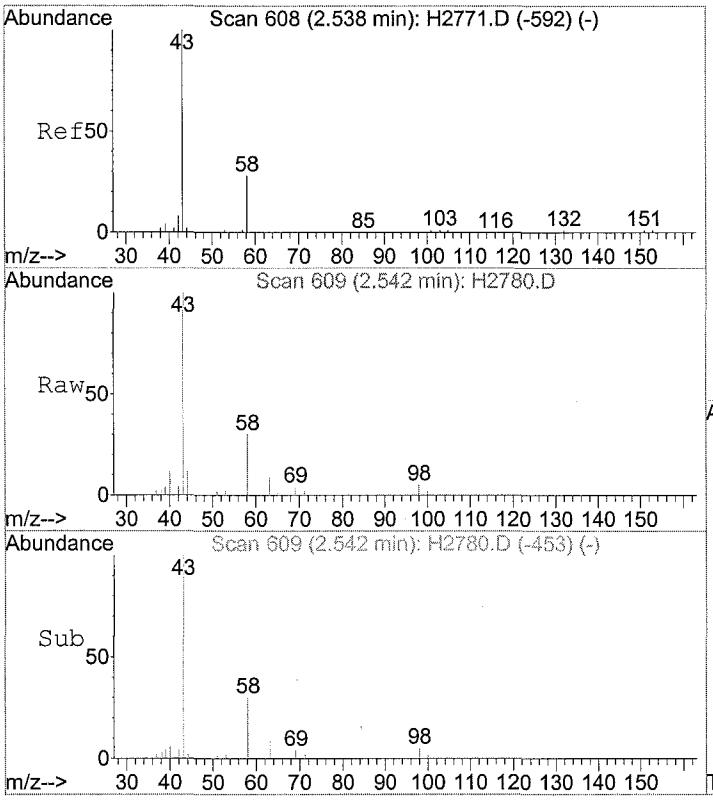
Vial: 27
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



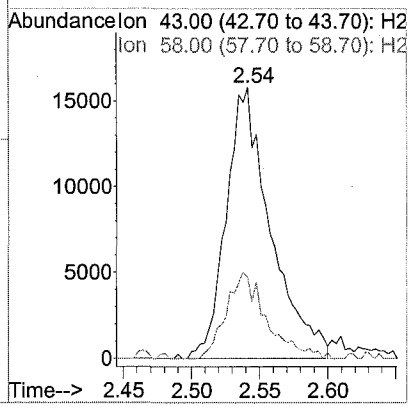
Data File : C:\MSDCHEM\1\DATA\H2780.D Vial: 27
Acq On : 08/12/2010 2255 Operator: AC
Sample : 0012602-02 Inst : H-5975
Misc : F3KE3 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

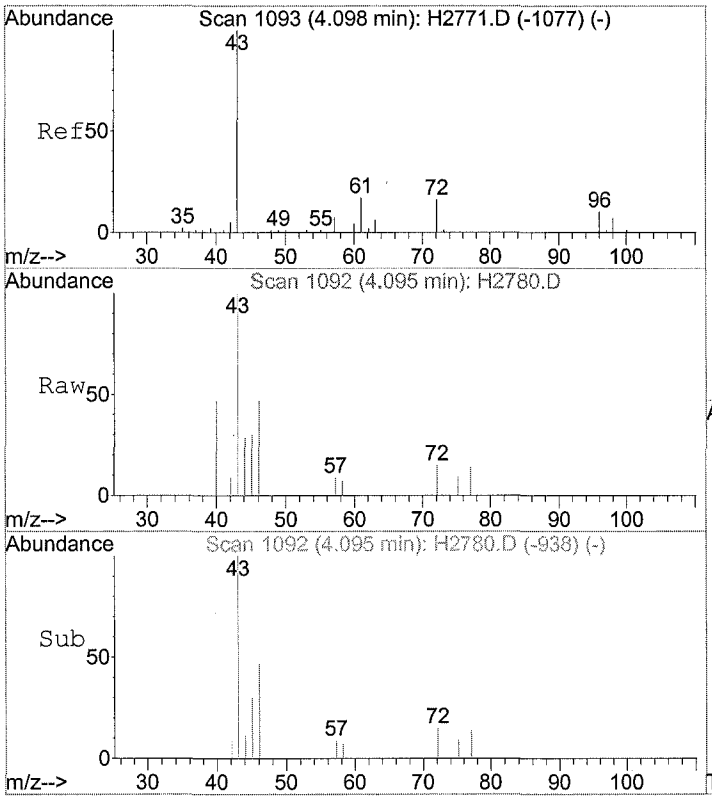


#13
Acetone
Concen: 12.5410 ug/L
RT: 2.54 min Scan# 609
Delta R.T. 0.00 min
Lab File: H2780.D
Acq: 12 Aug 2010 22:55

Tgt Ion: 43 Resp: 35706

Ion	Ratio	Lower	Upper
43	100		
58	28.9	9.3	49.3

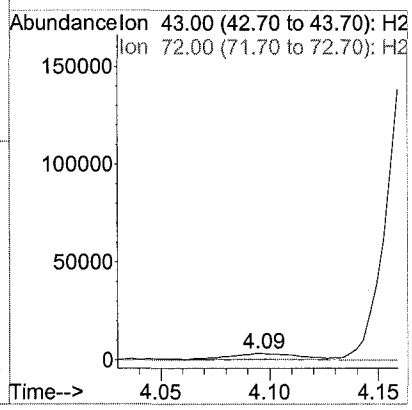




#22
2-Butanone
Concen: 1.4535 ug/L
RT: 4.09 min Scan# 1092
Delta R.T. -0.00 min
Lab File: H2780.D
Acq: 12 Aug 2010 22:55

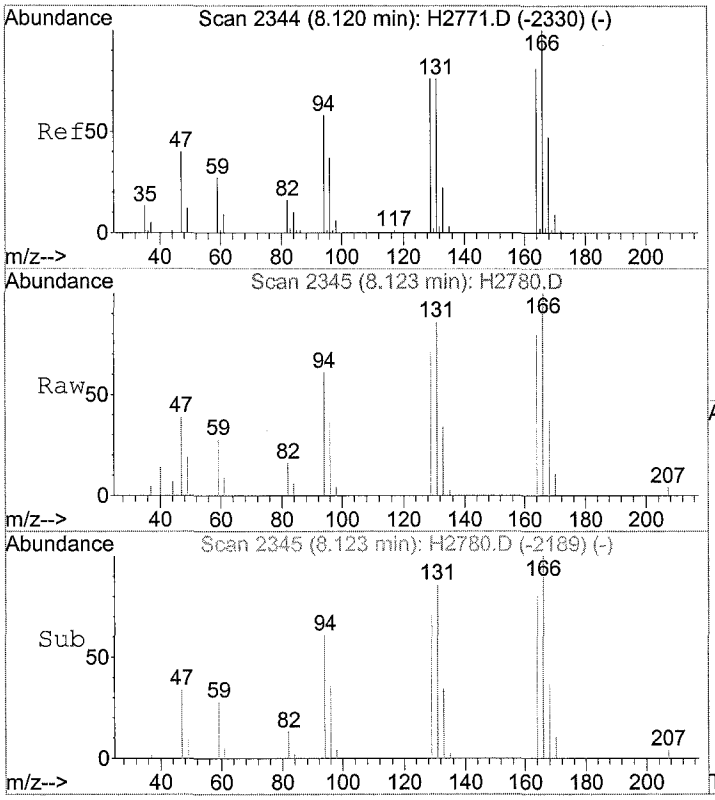
Tgt Ion: 43 Resp: 6630

Ion	Ratio	Lower	Upper
43	100		
72	15.6	0.0	37.4



000000141

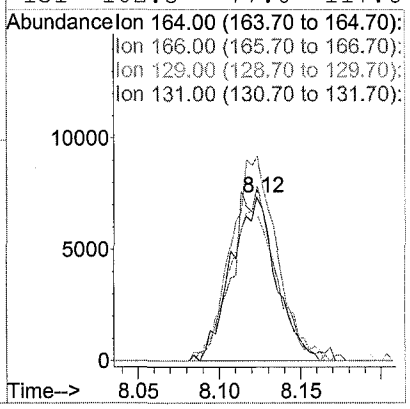
Data File : C:\MSDCHEM\1\DATA\H2780.D Vial: 27
Acq On : 08/12/2010 2255 Operator: AC
Sample : 0012602-02 Inst : H-5975
Misc : F3KE3 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML



#46
Tetrachloroethene
Concen: 1.5580 ug/L
RT: 8.12 min Scan# 2345
Delta R.T. 0.00 min
Lab File: H2780.D
Acq: 12 Aug 2010 22:55

Tgt Ion:164 Resp: 14068

Ion	Ratio	Lower	Upper
164	100		
166	127.2	106.2	146.2
129	99.6	82.3	122.3
131	102.5	77.0	117.0



000000142

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\H2780.D
Acq On : 08/12/2010 2255
Sample : 0012602-02
Misc : F3KE3 25ML
MS Integration Params: Lscint.p

Vial: 27
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.169	155	182	228	rBV	4022540	19470236	100.00%	74.034%
2	1.513	281	289	299	rBV3	17390	24665	0.13%	0.094%
3	1.744	360	361	366	rBV4	1953	1551	0.01%	0.006%
4	1.805	377	380	381	rBV3	2360	1455	0.01%	0.006%
5	1.841	383	391	396	rBV2	17184	21991	0.11%	0.084%
6	1.992	436	438	441	rVB3	2836	1541	0.01%	0.006%
7	2.484	578	591	602	rBV2	159626	276990	1.42%	1.053%
8	2.538	603	608	618	rVB2	24053	42529	0.22%	0.162%
9	4.037	1062	1074	1089	rBV2	89544	195756	1.01%	0.744%
10	4.098	1091	1093	1095	rVB3	3095	1477	0.01%	0.006%
11	4.172	1104	1116	1139	rBV2	371584	714630	3.67%	2.717%
12	4.387	1170	1183	1199	rBV	173902	331919	1.70%	1.262%
13	4.660	1256	1268	1278	rBV5	9110	18411	0.09%	0.070%
14	4.947	1335	1357	1373	rBV4	318107	793575	4.08%	3.017%
15	5.429	1493	1507	1525	rBV	298745	577582	2.97%	2.196%
16	5.876	1633	1646	1662	rBV3	161906	337725	1.73%	1.284%
17	6.863	1941	1953	1971	rBV2	186962	354403	1.82%	1.348%
18	7.268	2061	2079	2097	rBV2	332520	656372	3.37%	2.496%
19	7.368	2109	2110	2116	rVB3	4026	2142	0.01%	0.008%
20	7.635	2179	2193	2209	rBV4	98050	189165	0.97%	0.719%
21	8.123	2333	2345	2360	rVB4	59708	121353	0.62%	0.461%
22	8.242	2369	2382	2398	rBV3	92895	209503	1.08%	0.797%
23	9.335	2707	2722	2737	rBV2	312068	634699	3.26%	2.413%
24	9.908	2897	2900	2905	rVB4	2434	2334	0.01%	0.009%
25	11.470	3370	3386	3400	rBV3	59435	123161	0.63%	0.468%
26	11.866	3494	3509	3520	rBV5	22688	48831	0.25%	0.186%
27	12.088	3575	3578	3581	rBV3	2533	2051	0.01%	0.008%
28	12.876	3809	3823	3834	rBV2	401354	597847	3.07%	2.273%
29	13.001	3854	3862	3873	rBV6	21239	28849	0.15%	0.110%
30	13.232	3926	3934	3940	rBV5	26834	37770	0.19%	0.144%
31	13.281	3940	3949	3960	rVB	330325	445570	2.29%	1.694%
32	13.969	4155	4163	4171	rVB3	10328	13080	0.07%	0.050%
33	14.017	4173	4178	4180	rBV3	2036	1632	0.01%	0.006%
34	14.303	4263	4267	4270	rBV3	3679	3609	0.02%	0.014%
35	14.686	4382	4386	4393	rBV4	5964	6148	0.03%	0.023%
36	16.988	5098	5102	5103	rBV	2464	1500	0.01%	0.006%
37	18.004	5413	5418	5420	rVB3	2203	1784	0.01%	0.007%
38	18.059	5433	5435	5439	rBV3	1777	1432	0.01%	0.005%
39	18.348	5518	5525	5527	rBV3	2439	2330	0.01%	0.009%

000000143

40	18.853	5679	5682	5685	rBV3	1843	1500	0.01%	0.006%

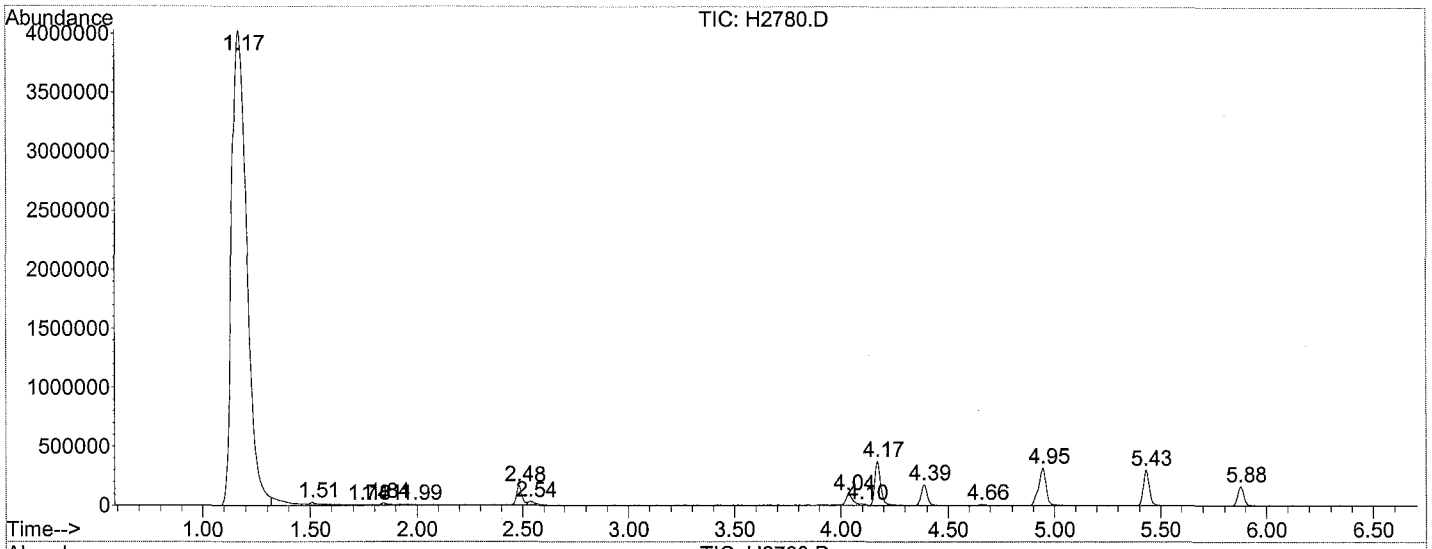
Sum of corrected areas: 26299098

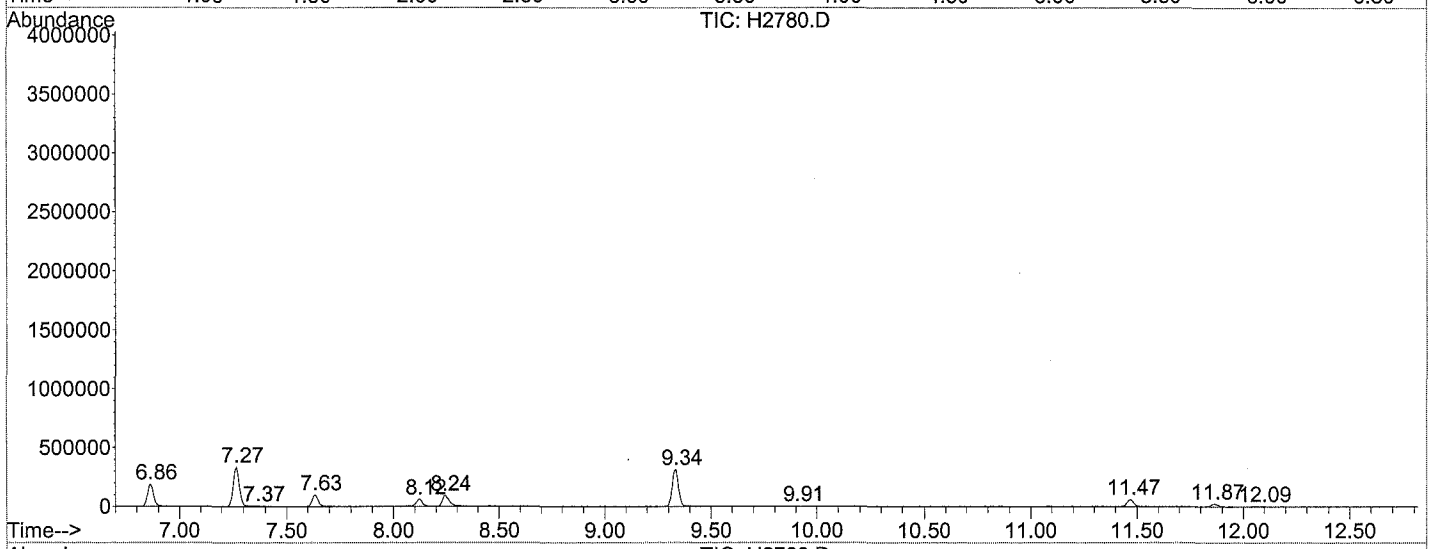
000000144

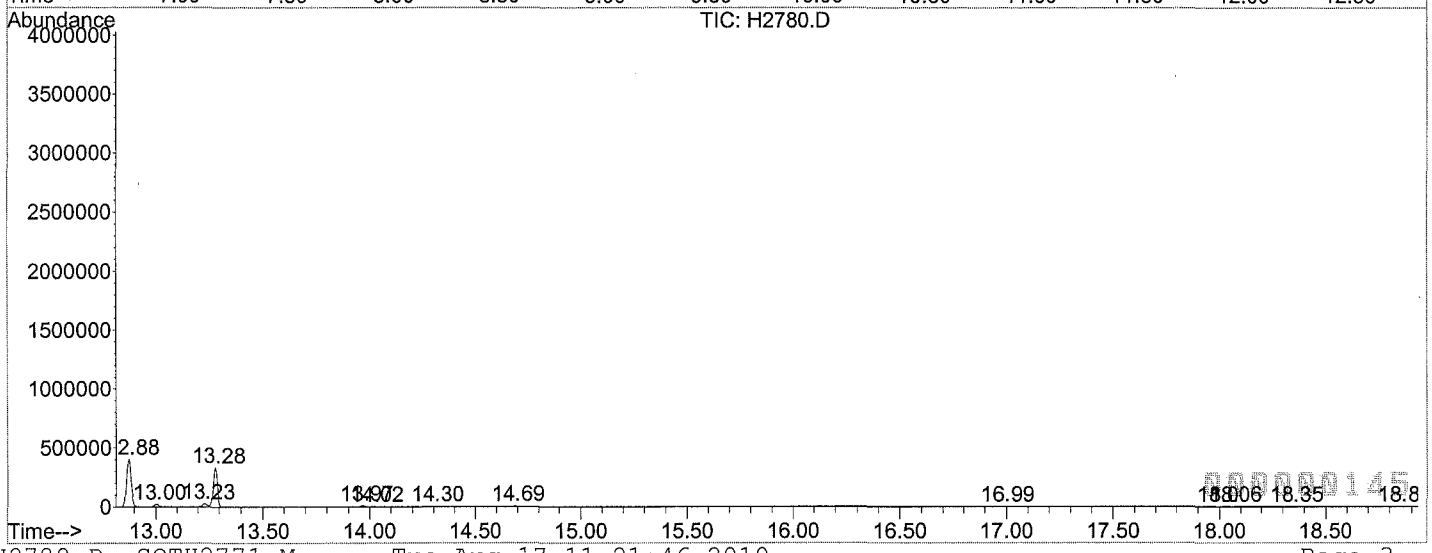
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\H2780.D
Acq On : 08/12/2010 2255
Sample : 0012602-02
Misc : F3KE3 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

Vial: 27
Operator: AC
Inst : H-5975
Multiplr: 1.00







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2780.D
Acq On : 08/12/2010 2255
Sample : 0012602-02
Misc : F3KE3 25ML
MS Integration Params: Lscint.p

Vial: 27
Operator: AC
Inst : H-5975
Multiplr: 1.00

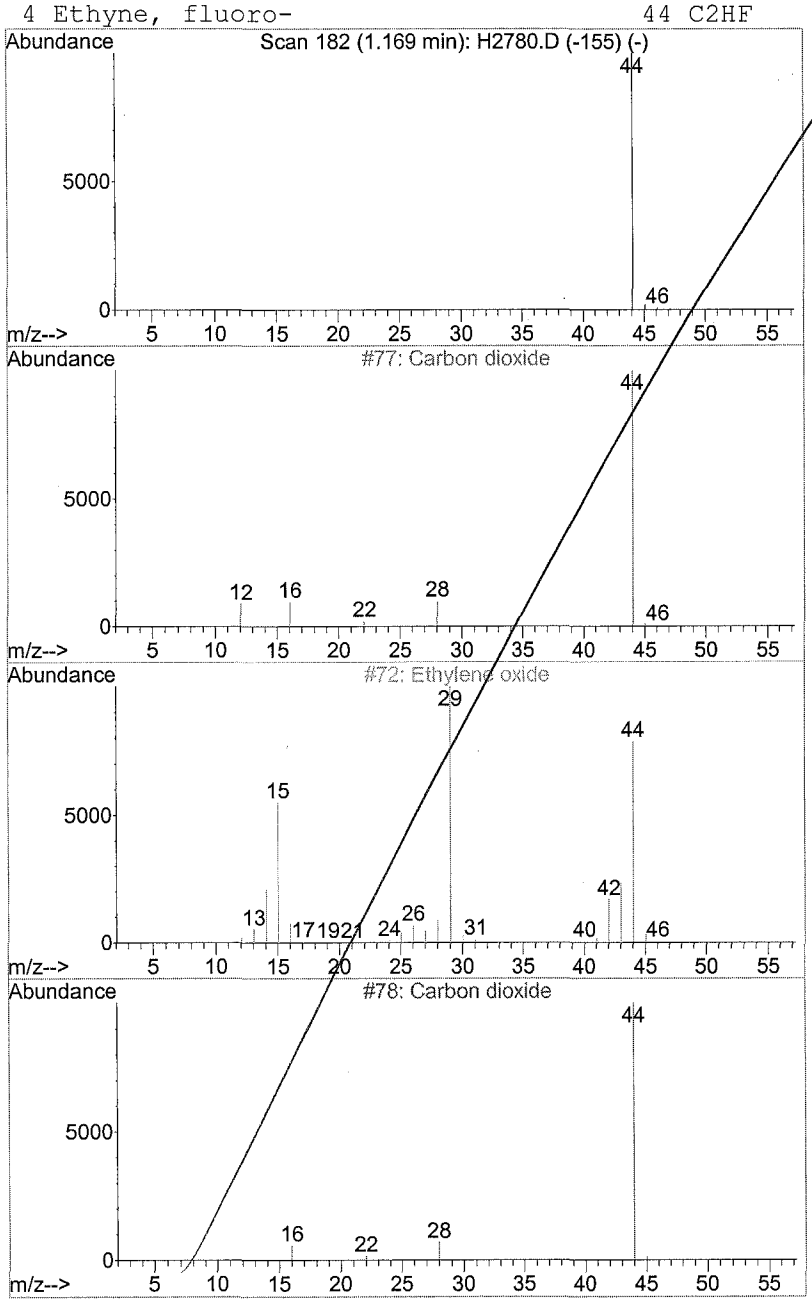
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

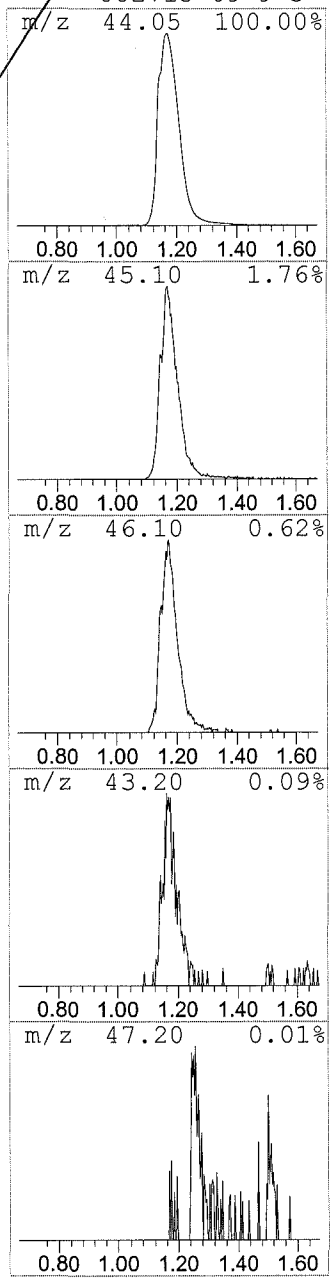
****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.17	168.55 ug/L	19470200	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Carbon dioxide	44	CO2	000124-38-9	3
4	Ethyne, fluoro-	44	C2HF	002713-09-9	3





000000146

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2780.D
Acq On : 08/12/2010 2255
Sample : 0012602-02
Misc : F3KE3 25ML
MS Integration Params: Lscint.p

Vial: 27
Operator: AC
Inst : H-5975
Multiplr: 1.00

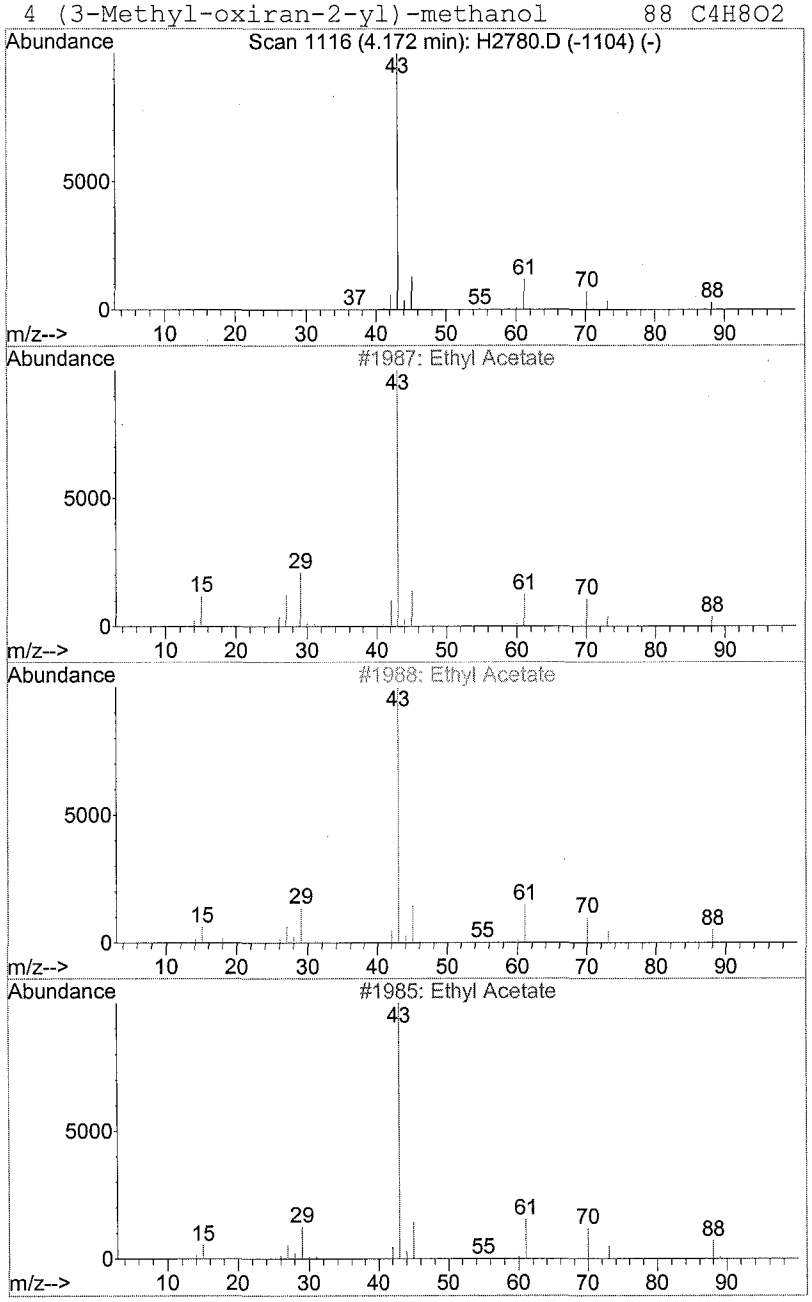
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

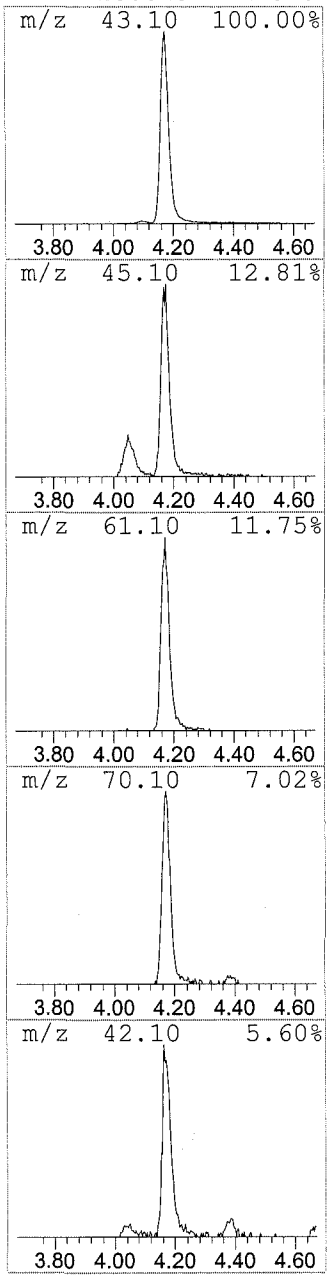
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	6.19 ug/L	714630	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	53
2	Ethyl Acetate	88	C4H8O2	000141-78-6	53
3	Ethyl Acetate	88	C4H8O2	000141-78-6	37
4	(3-Methyl-oxiran-2-yl)-methanol	88	C4H8O2	1000194-22-9	9





000000147

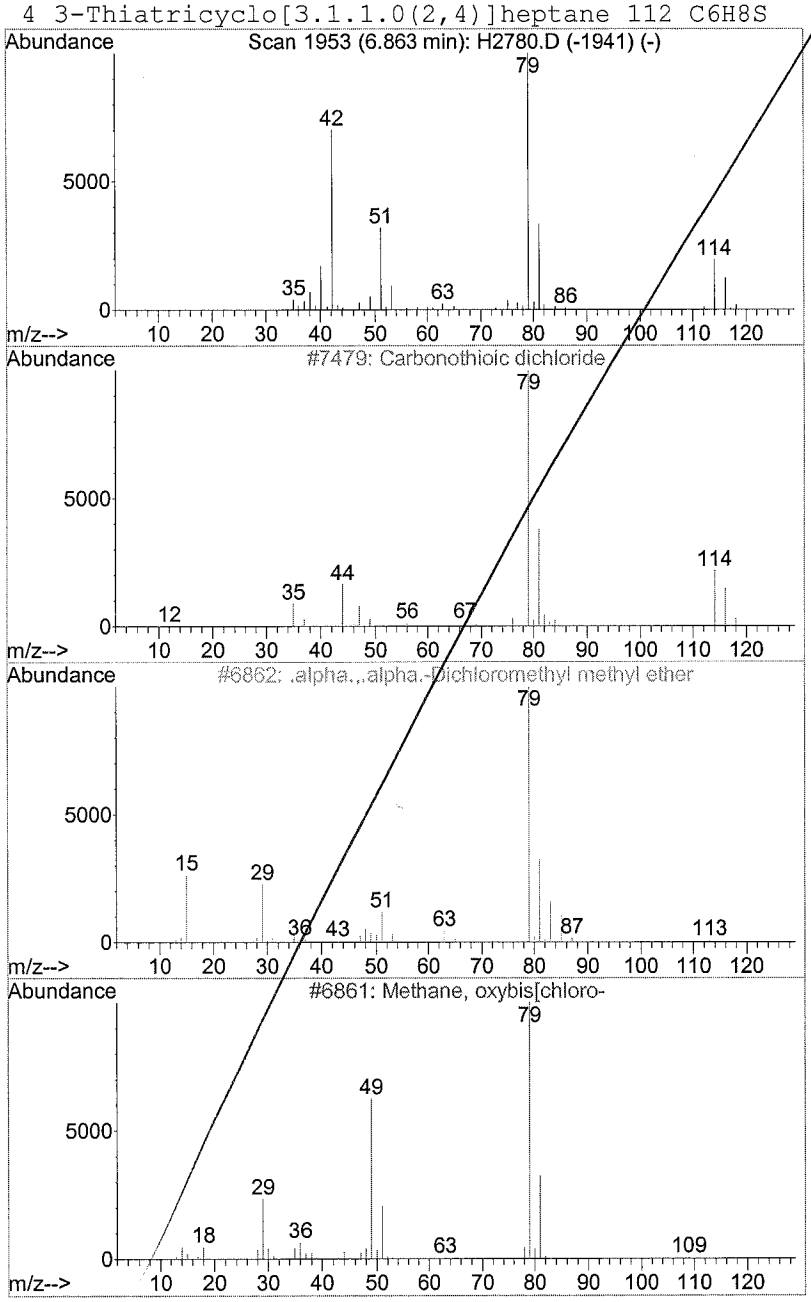
Library Search Compound Report

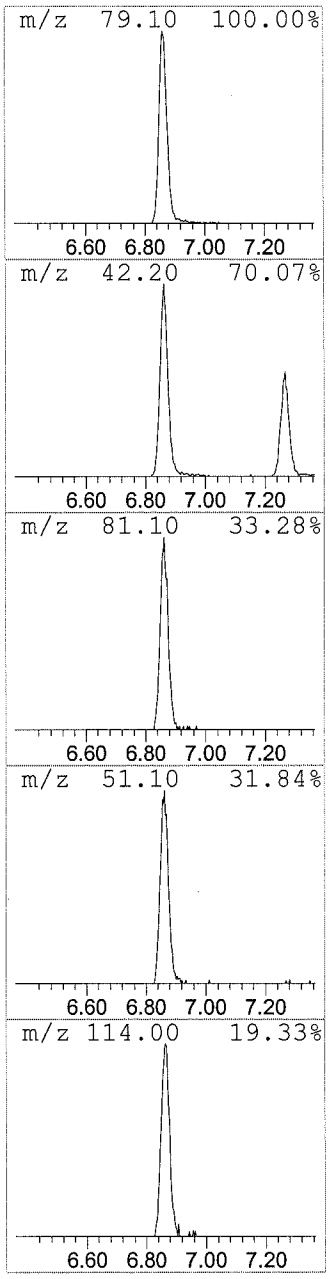
```
   Data File : C:\MSDCHEM\1\DATA\H2780.D                    Vial: 27
   Acq On    : 08/12/2010  2255                          Operator: AC
   Sample    : 0012602-02                                Inst    : H-5975
   Misc      : F3KE3   25ML                              Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title        : CLP SOM01.2-TRACE VOA-WATER -25ML
Library      : C:\DATABASE\NIST02.L
*****************************************************************
Peak Number  3  Carbonothioic dichloride        Concentration Rank  3
```

One output

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.07 ug/L	354403	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	43
2	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	38
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	32
4	3-Thiatricyclo[3.1.1.0(2,4)]heptane	112	C6H8S	1000221-37-0	23





000000148

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 12 Aug 2010 22:55
Data File: C:\MSDCHEM\1\DATA\H2780.D
Name: 0012602-02
Misc: F3KE3 25ML
Method: C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title: CLP SOM01.2-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.17	168.6	ug/L	19470200	1	5.43	577582	5.0
Ethyl Acetate	4.17	6.2	ug/L	714630	1	5.43	577582	5.0
Carbonothioic dic...	6.86	3.1	ug/L	354403	1	5.43	577582	5.0

000008149

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-03

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2781.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	15	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.6	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-03

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2781.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	1.5	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KE4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-03

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2781.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01 (5.43)	4.17	5.4	J
02	000556-67-2	Cyclotetrasiloxane, octamet.	11.87	0.73	JN
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2781.D
Acq On : 08/12/2010 2321
Sample : 0012602-03
Misc : F3KE4 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:31:27 2010

Vial: 28
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/17/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	219940	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	182734	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.88	152	86087	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	20459	6.8884 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 137.77%#		
7) Chloroethane-d5	1.84	69	15407	7.0017 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 140.03%#		
10) 1,1-Dichloroethene-d2	2.48	63	121633	4.6682 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 93.36%		
20) 2-Butanone-d5	4.03	46	118357	41.3765 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 82.75%		
24) Chloroform-d	4.38	84	130645	4.5874 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 91.75%		
26) 1,2-Dichloroethane-d4	4.92	65	75216	4.1471 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 82.94%		
32) Benzene-d6	4.94	84	250135	5.0742 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 101.48%		
35) 1,2-Dichloropropane-d6	5.88	67	69180	4.7066 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 94.13%		
41) Toluene-d8	7.27	98	229682	5.0723 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 101.45%		
43) trans-1,3-Dichloropropene-	7.63	79	58013	3.8386 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 76.77%		
47) 2-Hexanone-d5	8.25	63	29522	39.2427 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 78.49%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	32649	3.5701 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 71.40%#		
63) 1,2-Dichlorobenzene-d4	13.28	152	63936	4.6058 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 92.12%		
Target Compounds					Qvalue
13) Acetone	2.54	43	43834	14.9571 ug/L	96
22) 2-Butanone	4.09	43	7686	1.6370 ug/L	85
46) Tetrachloroethene	8.12	164	14130	1.5187 ug/L	97

000000153

(#) = qualifier out of range (m) = manual integration (+) = signals summed

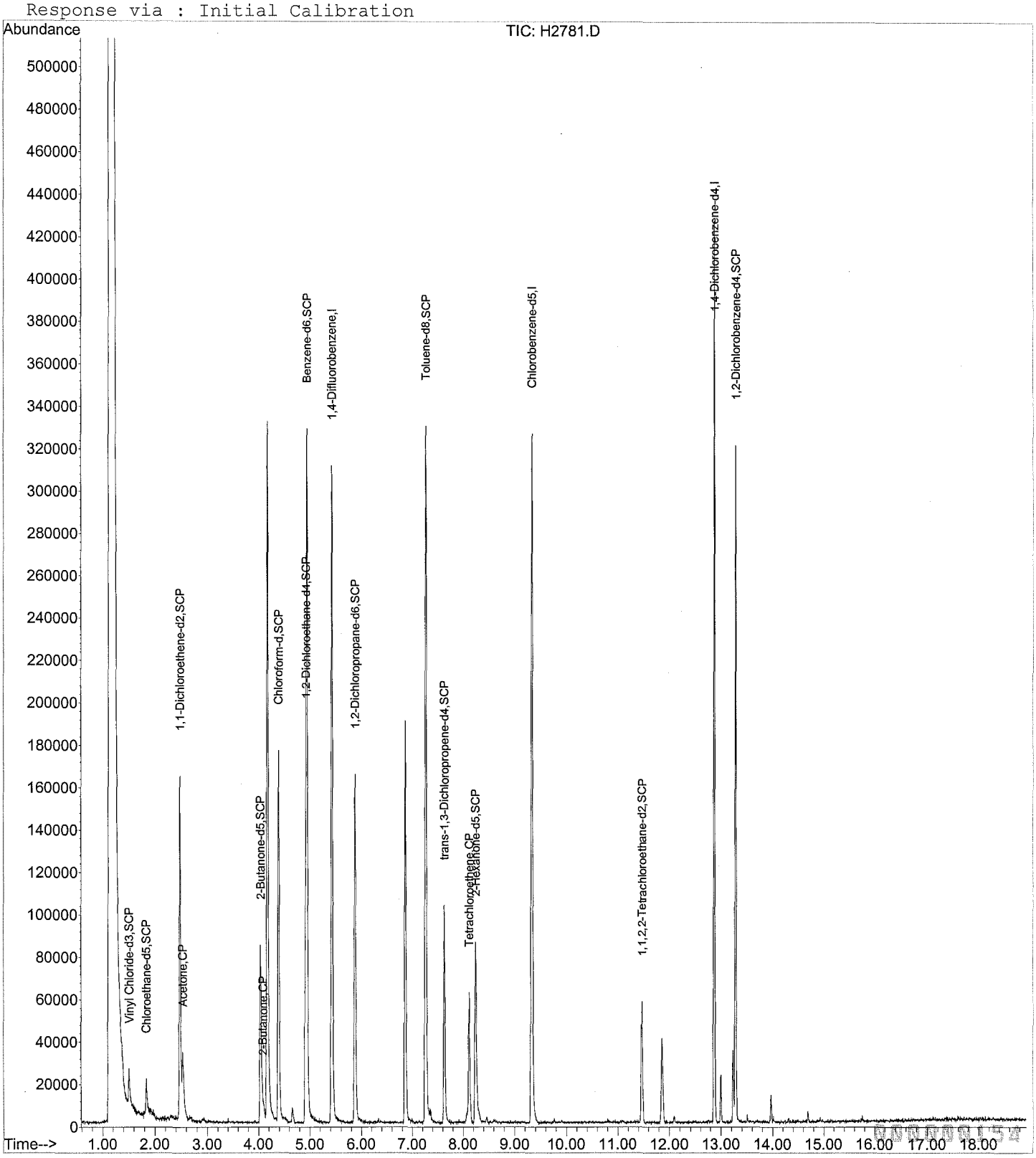
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2781.D
Acq On : 08/12/2010 2321
Sample : 0012602-03
Misc : F3KE4 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 16:50 2010

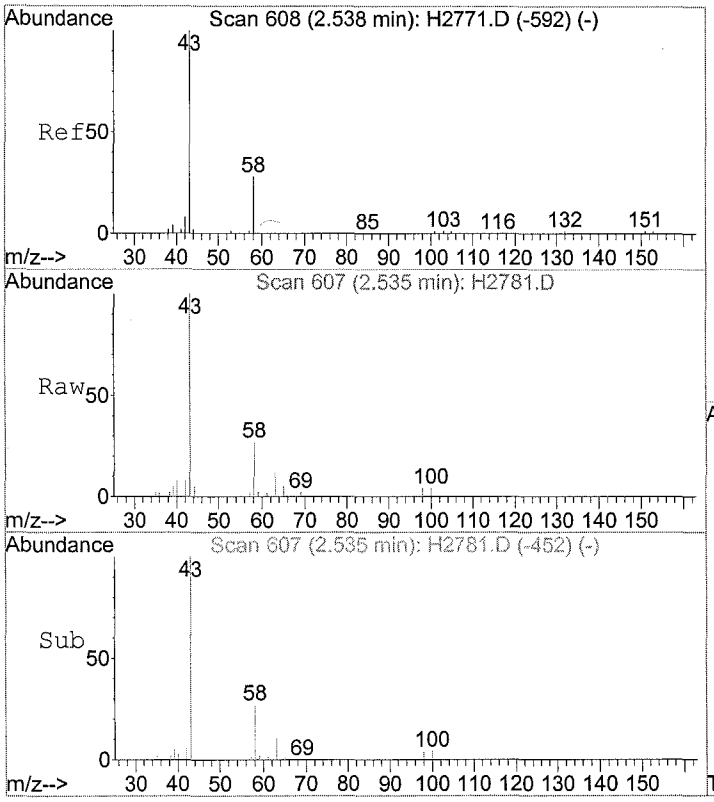
Vial: 28
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



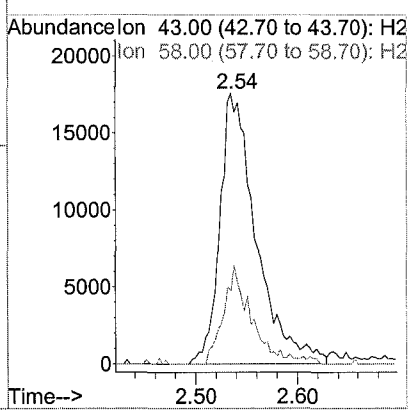
Data File : C:\MSDCHEM\1\DATA\H2781.D Vial: 28
Acq On : 08/12/2010 2321 Operator: AC
Sample : 0012602-03 Inst : H-5975
Misc : F3KE4 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

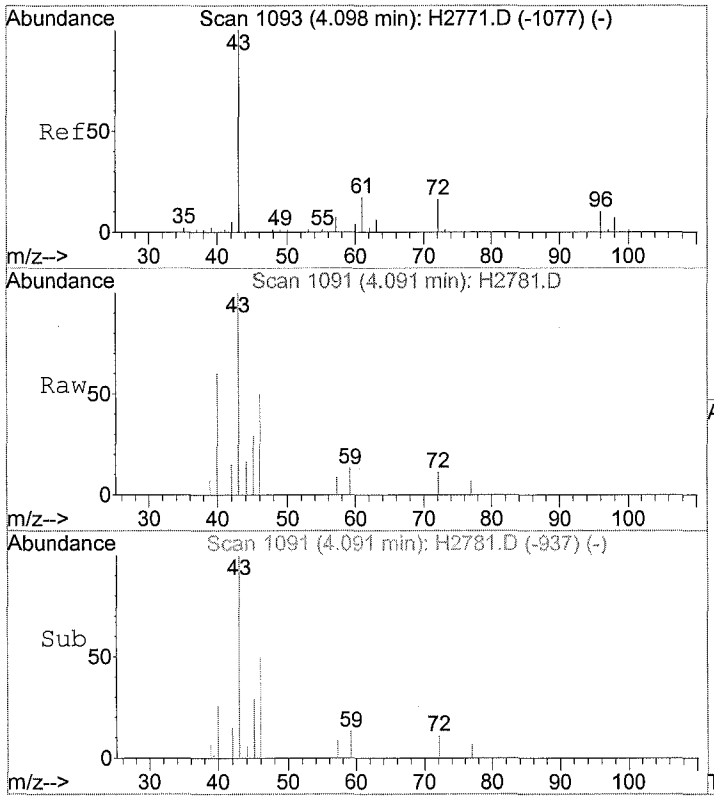


#13
Acetone
Concen: 14.9571 ug/L
RT: 2.54 min Scan# 607
Delta R.T. -0.00 min
Lab File: H2781.D
Acq: 12 Aug 2010 23:21

Tgt Ion: 43 Resp: 43834

Ion	Ratio	Lower	Upper
43	100		
58	27.0	9.3	49.3

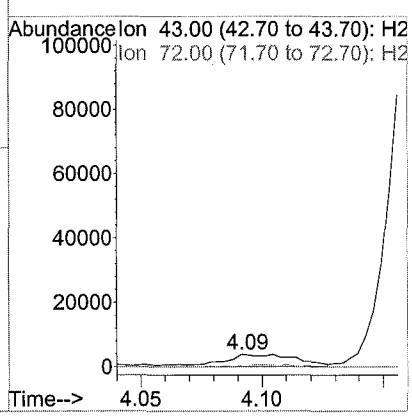




#22
2-Butanone
Concen: 1.6370 ug/L
RT: 4.09 min Scan# 1091
Delta R.T. -0.01 min
Lab File: H2781.D
Acq: 12 Aug 2010 23:21

Tgt Ion: 43 Resp: 7686

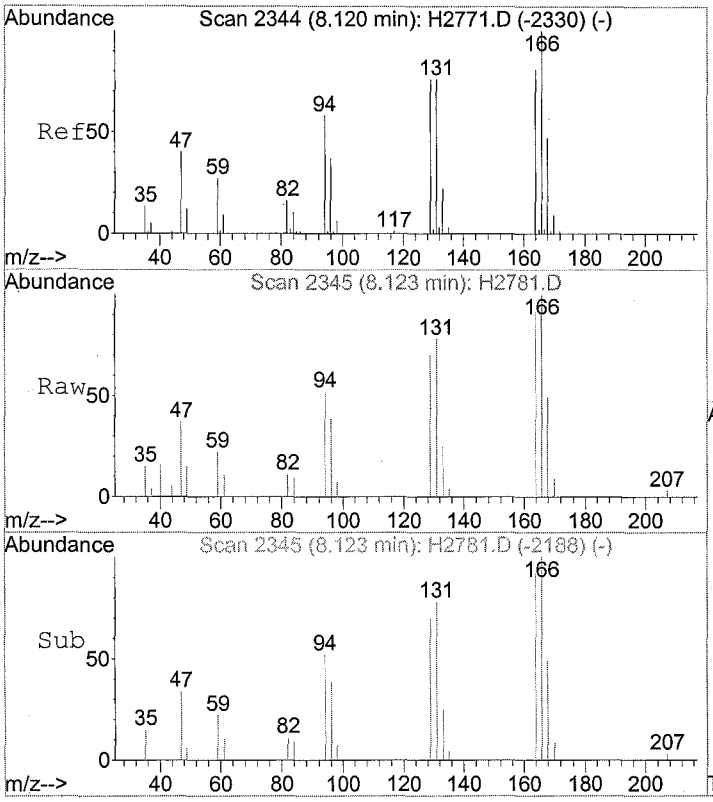
Ion	Ratio	Lower	Upper
43	100		
72	11.0	0.0	37.4



00000155

Data File : C:\MSDCHEM\1\DATA\H2781.D
Acq On : 08/12/2010 2321
Sample : 0012602-03
Misc : F3KE4 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

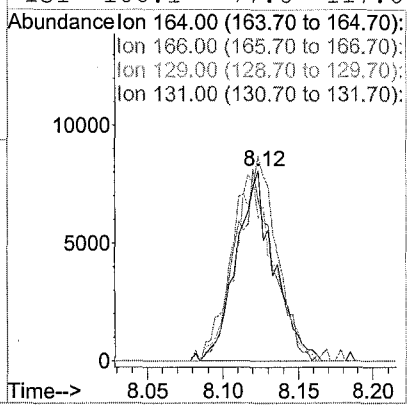
Vial: 28
Operator: AC
Inst : H-5975
Multiplr: 1.00



#46
Tetrachloroethene
Concen: 1.5187 ug/L
RT: 8.12 min Scan# 2345
Delta R.T. 0.00 min
Lab File: H2781.D
Acq: 12 Aug 2010 23:21

Tgt Ion:164 Resp: 14130

Ion	Ratio	Lower	Upper
164	100		
166	123.4	106.2	146.2
129	98.8	82.3	122.3
131	100.1	77.0	117.0



000000156

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\H2781.D Vial: 28
Acq On : 08/12/2010 2321 Operator: AC
Sample : 0012602-03 Inst : H-5975
Misc : F3KE4 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 40
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.169	156	182	229	rBV	4107718	19815915	100.00%	74.388%
2	1.513	282	289	300	rVB2	15605	23289	0.12%	0.087%
3	1.619	321	322	326	rVB3	3436	1978	0.01%	0.007%
4	1.641	326	329	332	rVB	3065	2068	0.01%	0.008%
5	1.841	385	391	396	rBV3	14860	18637	0.09%	0.070%
6	1.931	417	419	423	rVB4	2653	1793	0.01%	0.007%
7	1.992	434	438	443	rVB3	2850	2964	0.01%	0.011%
8	2.484	578	591	602	rBV2	161464	282775	1.43%	1.062%
9	2.532	602	606	607	rBV4	14418	8919	0.05%	0.033%
10	2.899	712	720	721	rBV2	1791	1782	0.01%	0.007%
11	4.034	1062	1073	1090	rBV	84061	190002	0.96%	0.713%
12	4.172	1103	1116	1137	rBV	328593	636014	3.21%	2.388%
13	4.387	1169	1183	1199	rBV	174851	339501	1.71%	1.274%
14	4.657	1261	1267	1269	rBV4	6815	7002	0.04%	0.026%
15	4.943	1336	1356	1375	rBV2	327444	798983	4.03%	2.999%
16	5.429	1494	1507	1525	rBV	310224	589700	2.98%	2.214%
17	5.876	1632	1646	1659	rBV3	164147	336062	1.70%	1.262%
18	6.863	1939	1953	1970	rBV2	190264	360243	1.82%	1.352%
19	7.268	2065	2079	2094	rBV3	328494	657493	3.32%	2.468%
20	7.345	2101	2103	2106	rVV3	3714	2204	0.01%	0.008%
21	7.365	2106	2109	2113	rVB4	5112	4535	0.02%	0.017%
22	7.631	2179	2192	2204	rBV4	103102	189688	0.96%	0.712%
23	8.066	2323	2327	2328	rBV2	3609	2468	0.01%	0.009%
24	8.120	2333	2344	2361	rVB4	61943	120783	0.61%	0.453%
25	8.242	2368	2382	2396	rBV2	86215	195304	0.99%	0.733%
26	8.461	2447	2450	2455	rVB3	2689	2866	0.01%	0.011%
27	9.332	2707	2721	2741	rBV2	325266	663306	3.35%	2.490%
28	11.471	3370	3386	3398	rBV6	57378	120129	0.61%	0.451%
29	11.866	3493	3509	3522	rBV2	40525	89674	0.45%	0.337%
30	12.088	3574	3578	3579	rBV3	2731	1746	0.01%	0.007%
31	12.098	3579	3581	3586	rVB2	2819	1782	0.01%	0.007%
32	12.872	3811	3822	3834	rBV	426029	611975	3.09%	2.297%
33	13.004	3853	3863	3870	rBV4	22608	31344	0.16%	0.118%
34	13.233	3926	3934	3940	rBV3	34324	50217	0.25%	0.189%
35	13.281	3940	3949	3961	rVB2	318940	448124	2.26%	1.682%
36	13.506	4014	4019	4021	rBV	3758	2050	0.01%	0.008%
37	13.969	4156	4163	4171	rVB	13095	17631	0.09%	0.066%
38	14.689	4382	4387	4388	rBV2	5549	3571	0.02%	0.013%
39	14.927	4456	4461	4466	rBV3	2034	1740	0.01%	0.007%

000000157

40	15.750	4712	4717	4721	rBV4	2813	2419	0.01%	0.009%

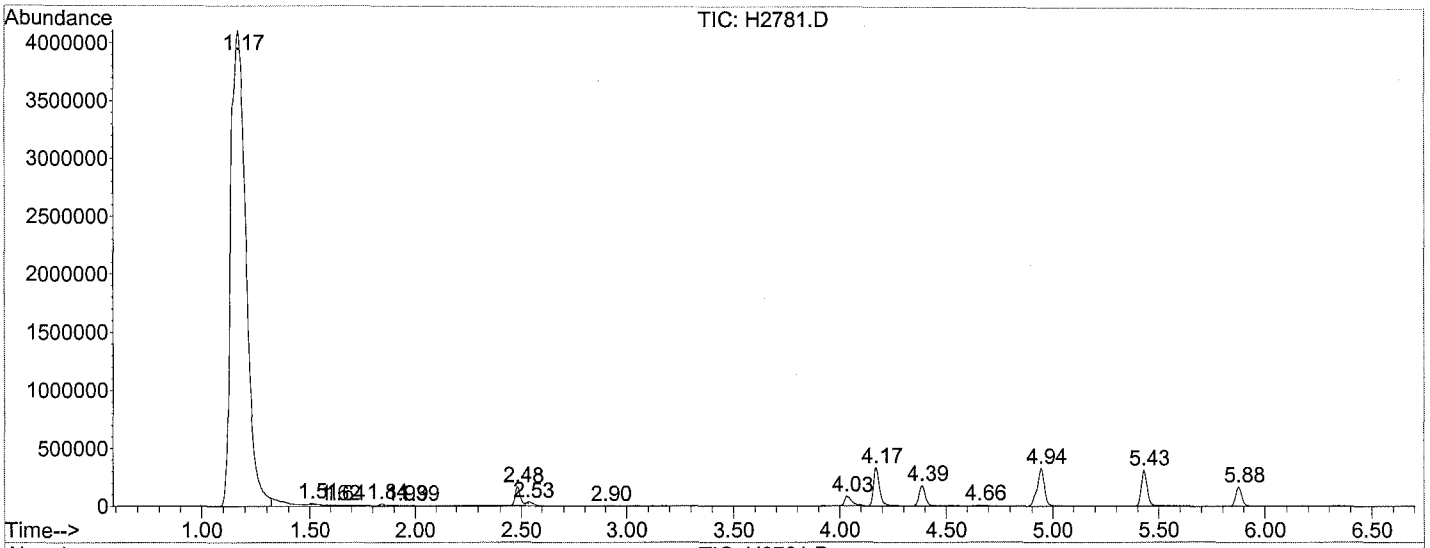
Sum of corrected areas: 26638676

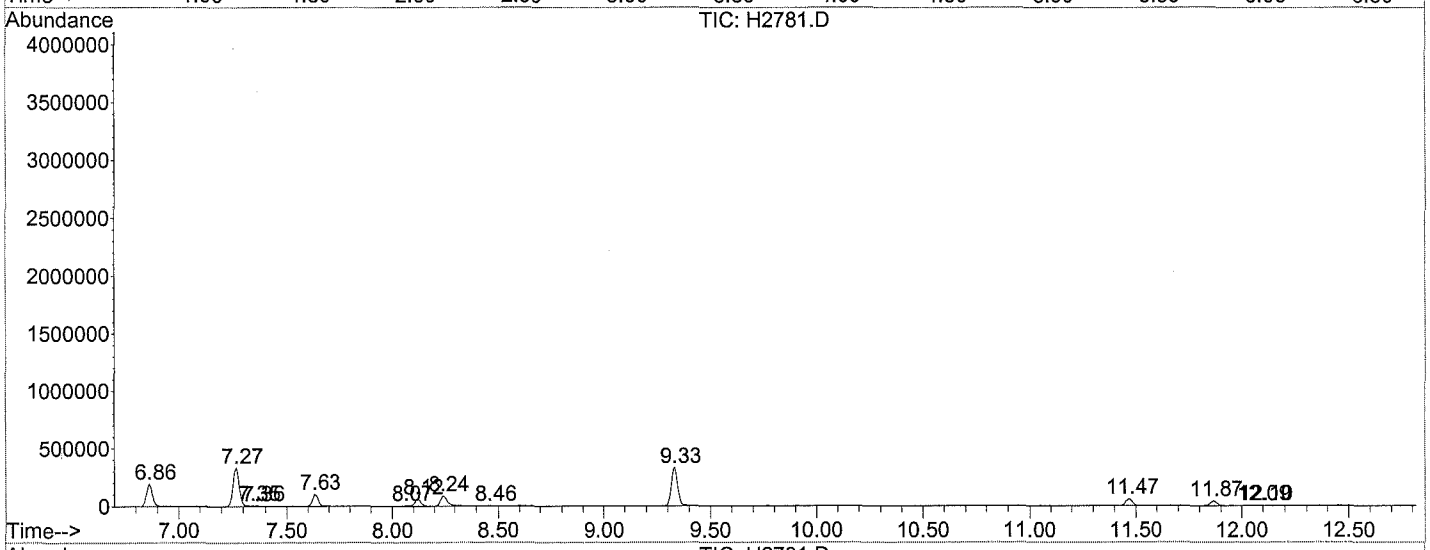
000000158

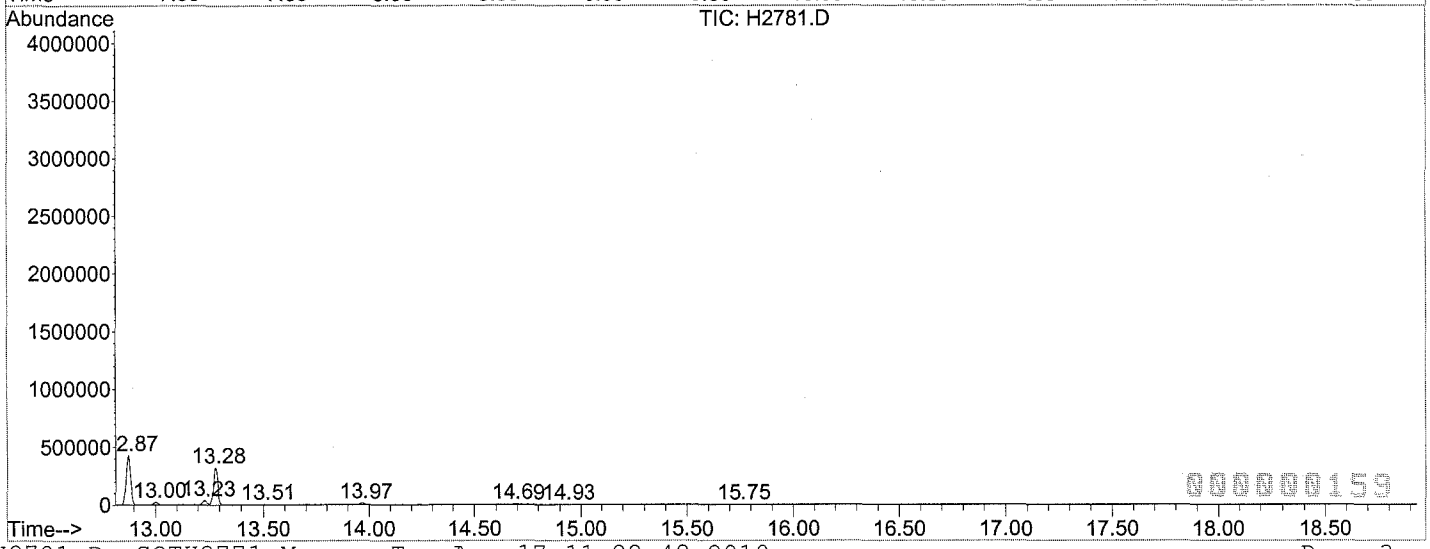
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\H2781.D
Acq On : 08/12/2010 2321
Sample : 0012602-03
Misc : F3KE4 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

Vial: 28
Operator: AC
Inst : H-5975
Multiplr: 1.00







000000159

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2781.D Vial: 28
Acq On : 08/12/2010 2321 Operator: AC
Sample : 0012602-03 Inst : H-5975
Misc : F3KE4 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

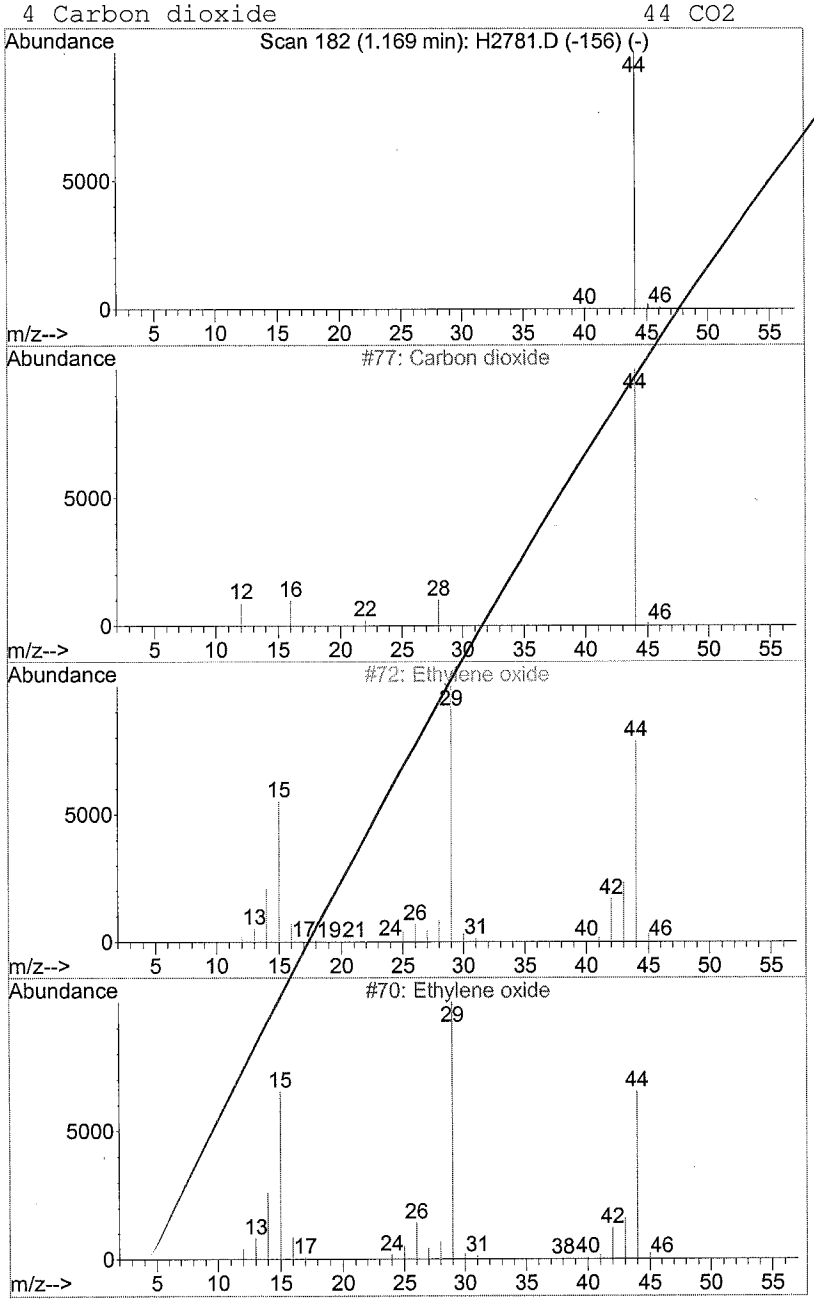
Co2

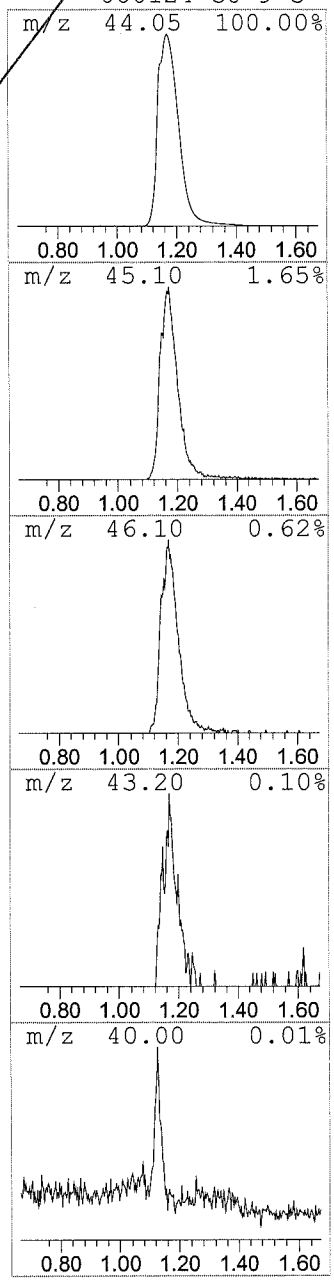
****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.17	168.02 ug/L	19815900	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3





000000160

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2781.D
Acq On : 08/12/2010 2321
Sample : 0012602-03
Misc : F3KE4 25ML
MS Integration Params: Lscint.p

Vial: 28
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

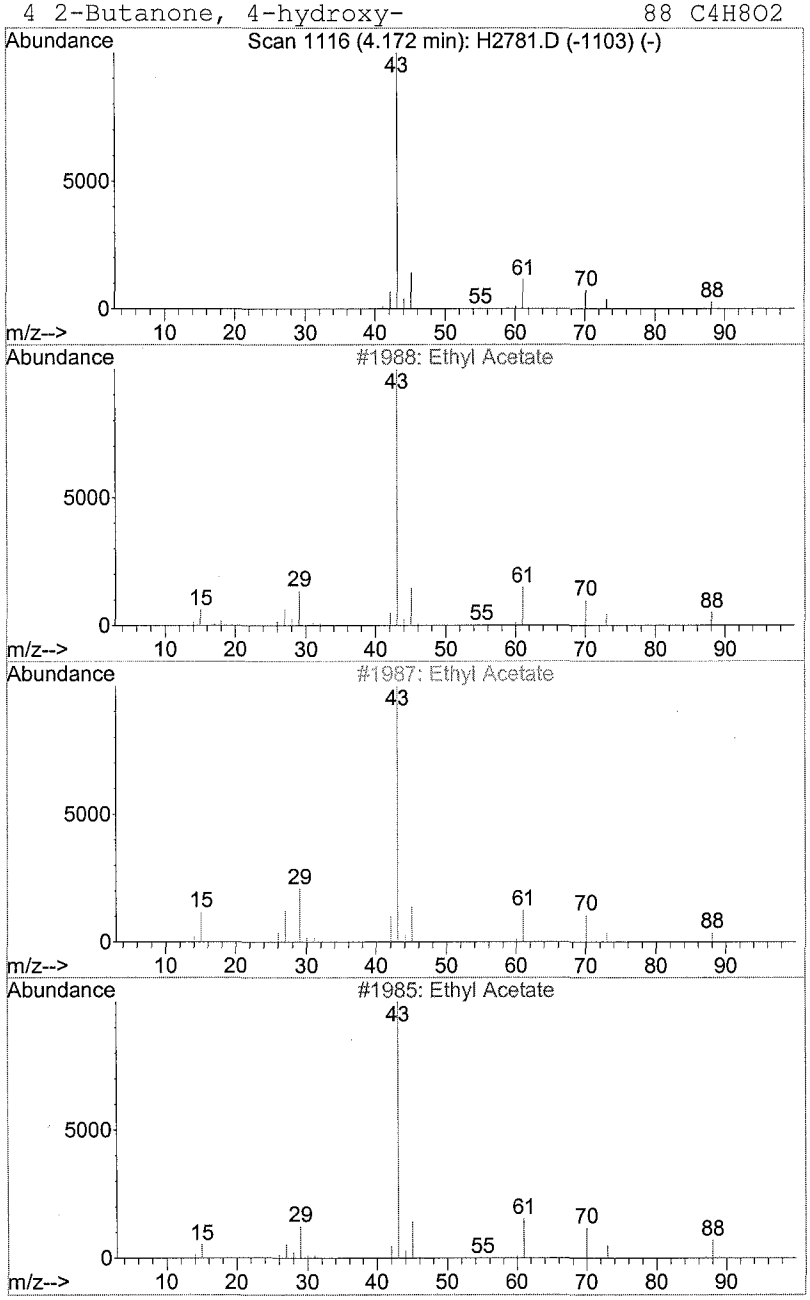
****

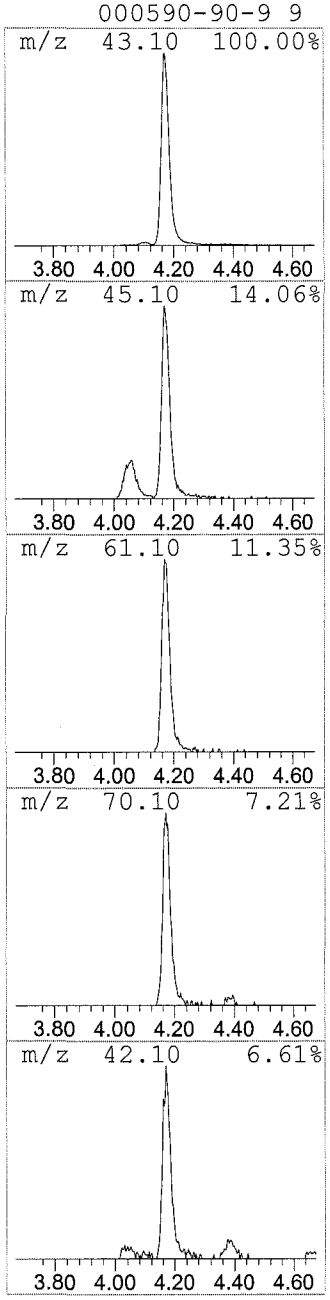
Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	5.39 ug/L	636014	1,4-Difluorobenzene	5.43

unknown

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	59
2	Ethyl Acetate	88	C4H8O2	000141-78-6	59
3	Ethyl Acetate	88	C4H8O2	000141-78-6	38
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	9





000000161

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2781.D
Acq On : 08/12/2010 2321
Sample : 0012602-03
Misc : F3KE4 25ML
MS Integration Params: Lscint.p

Vial: 28
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

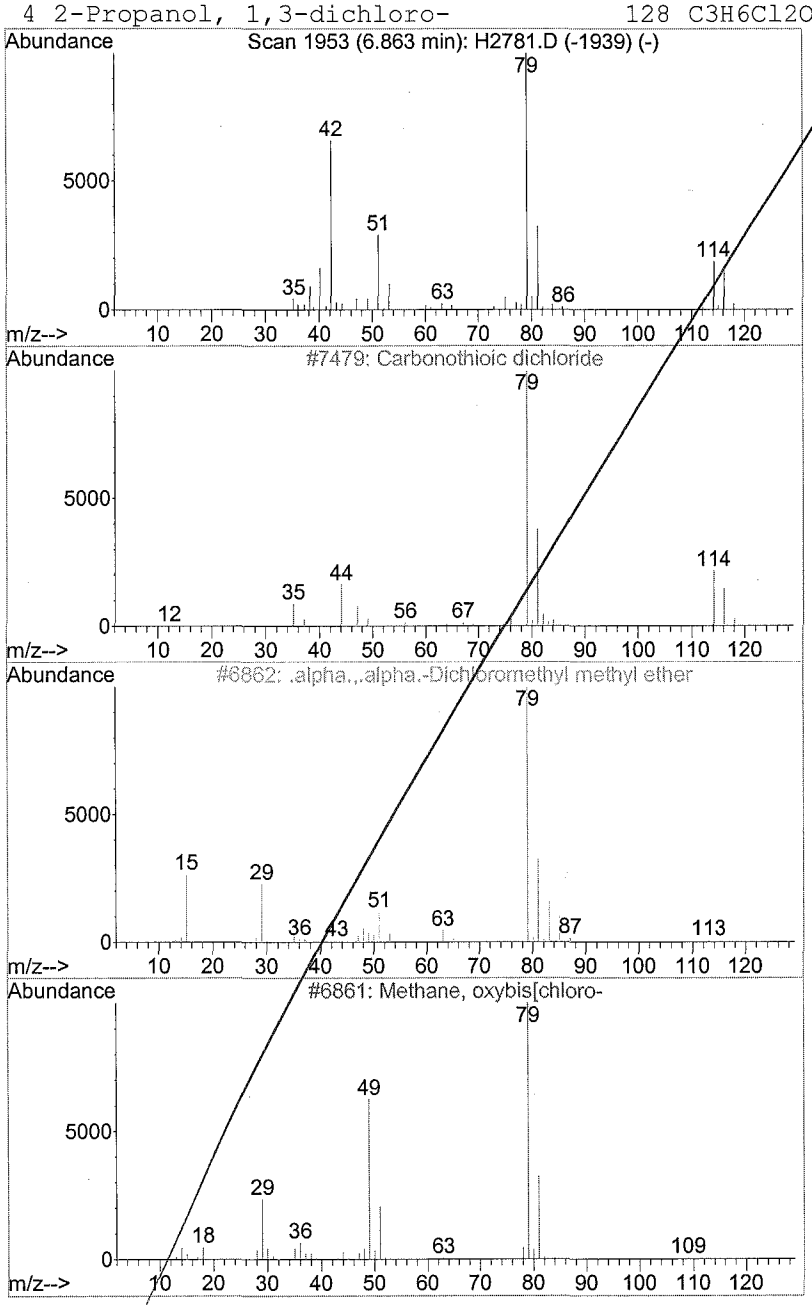
****

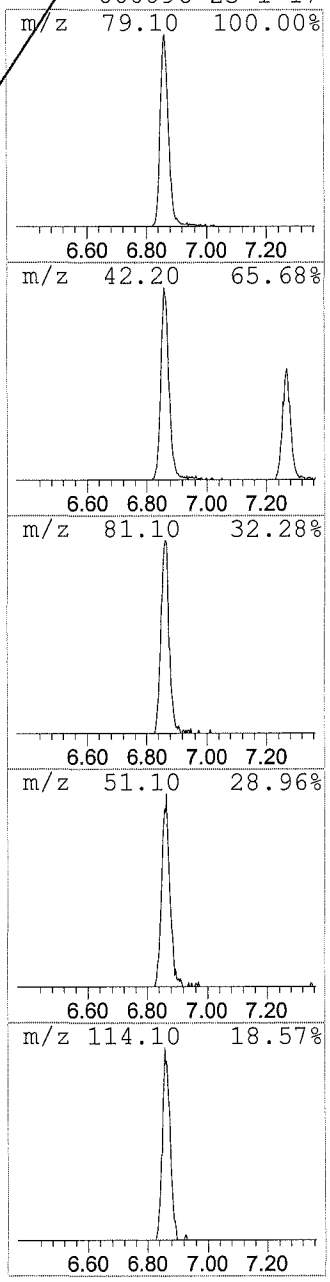
Peak Number 3 Carbonothioic dichloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.05 ug/L	360243	1,4-Difluorobenzene	5.43

DMC
Soft

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	43
2	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	37
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	25
4	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	17





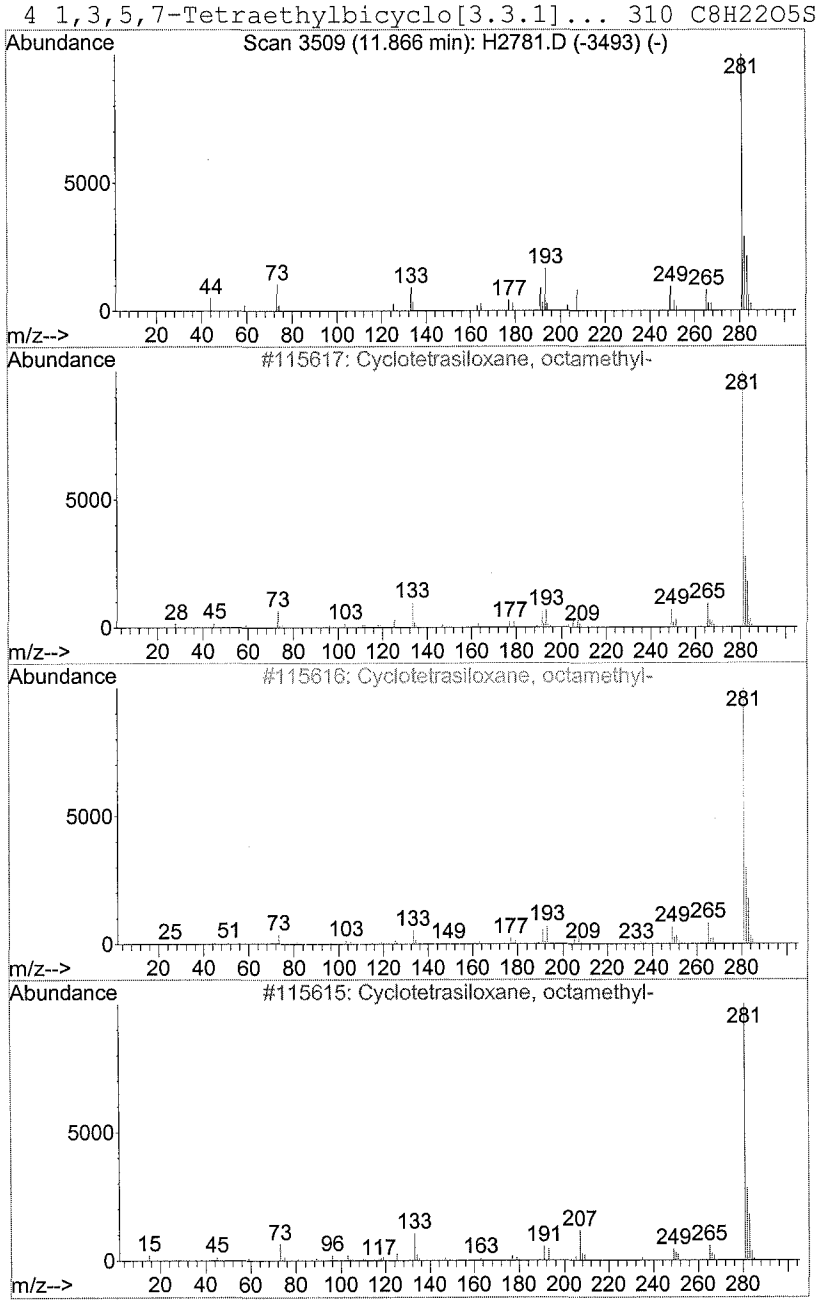
000000162

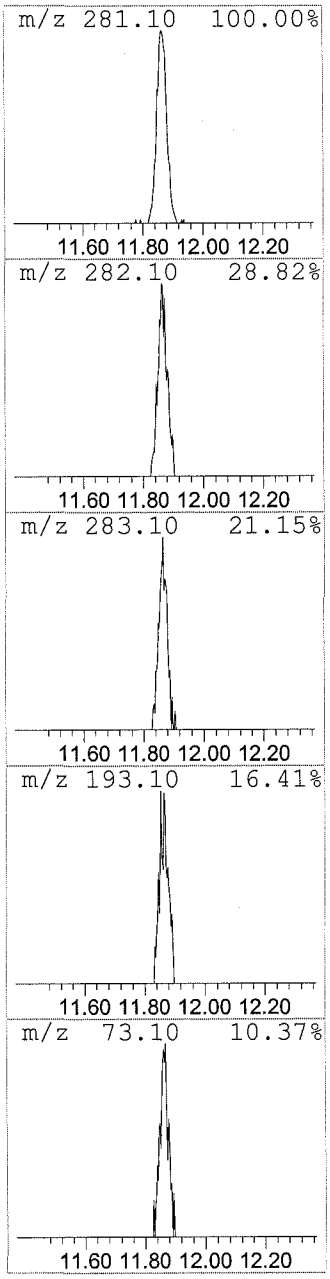
Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\H2781.D                    Vial: 28
   Acq On    : 08/12/2010  2321                          Operator: AC
   Sample    : 0012602-03                                Inst    : H-5975
   Misc      : F3KE4   25ML                              Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title        : CLP SOM01.2-TRACE VOA-WATER -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  4  Cyclotetrasiloxane, octamet...  Concentration Rank  4
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	0.73 ug/L	89674	1,4-Dichlorobenzene-d4	12.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	90
2	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	87
3	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	80
4	1,3,5,7-Tetraethylbicyclo[3.3.1]...	310	C8H22O5Si4	073420-21-0	59





000000163

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 12 Aug 2010 23:21
Data File: C:\MSDCHEM\1\DATA\H2781.D
Name: 0012602-03
Misc: F3KE4 25ML
Method: C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title: CLP SOM01.2-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard---| |#	RT	Resp	Conc|
Carbon dioxide	1.17	168.0	ug/L	19815900	1	5.43	589700	5.0
Ethyl Acetate	4.17	5.4	ug/L	636014	1	5.43	589700	5.0
Carbonothioic dic...	6.86	3.1	ug/L	360243	1	5.43	589700	5.0
Cyclotetrasiloxan...	11.87	0.7	ug/L	89674	3	12.88	611975	5.0

000000164

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-04

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2782.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	12	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.3	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-04

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2782.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.7	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KE5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-04

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2782.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01 (5.43)	4.17	4.1	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2782.D
Acq On : 08/12/2010 2347
Sample : 0012602-04
Misc : F3KE5 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:31:41 2010

Vial: 29
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/17/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	222166	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	185987	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	85924	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.52	65	22179	7.3927 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 147.85%#		
7) Chloroethane-d5	1.84	69	14867	6.6886 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 133.77%#		
10) 1,1-Dichloroethene-d2	2.48	63	125893	4.7833 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 95.67%		
20) 2-Butanone-d5	4.03	46	131965	45.6715 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 91.34%		
24) Chloroform-d	4.39	84	139480	4.8486 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 96.97%		
26) 1,2-Dichloroethane-d4	4.92	65	81205	4.4324 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 88.65%		
32) Benzene-d6	4.95	84	262369	5.2293 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 104.59%		
35) 1,2-Dichloropropane-d6	5.88	67	73106	4.8867 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 97.73%		
41) Toluene-d8	7.26	98	237410	5.1513 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 103.03%		
43) trans-1,3-Dichloropropene-	7.63	79	63516	4.1292 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 82.58%		
47) 2-Hexanone-d5	8.24	63	32807	42.8466 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 85.69%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	35298	3.7922 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 75.84%		
63) 1,2-Dichlorobenzene-d4	13.28	152	66028	4.7655 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 95.31%		
Target Compounds					Qvalue
13) Acetone	2.54	43	34176	11.5448 ug/L	97
22) 2-Butanone	4.09	43	6384	1.3461 ug/L	69
46) Tetrachloroethene	8.12	164	25298	2.6715 ug/L	99

000000158

(#) = qualifier out of range (m) = manual integration (+) = signals summed

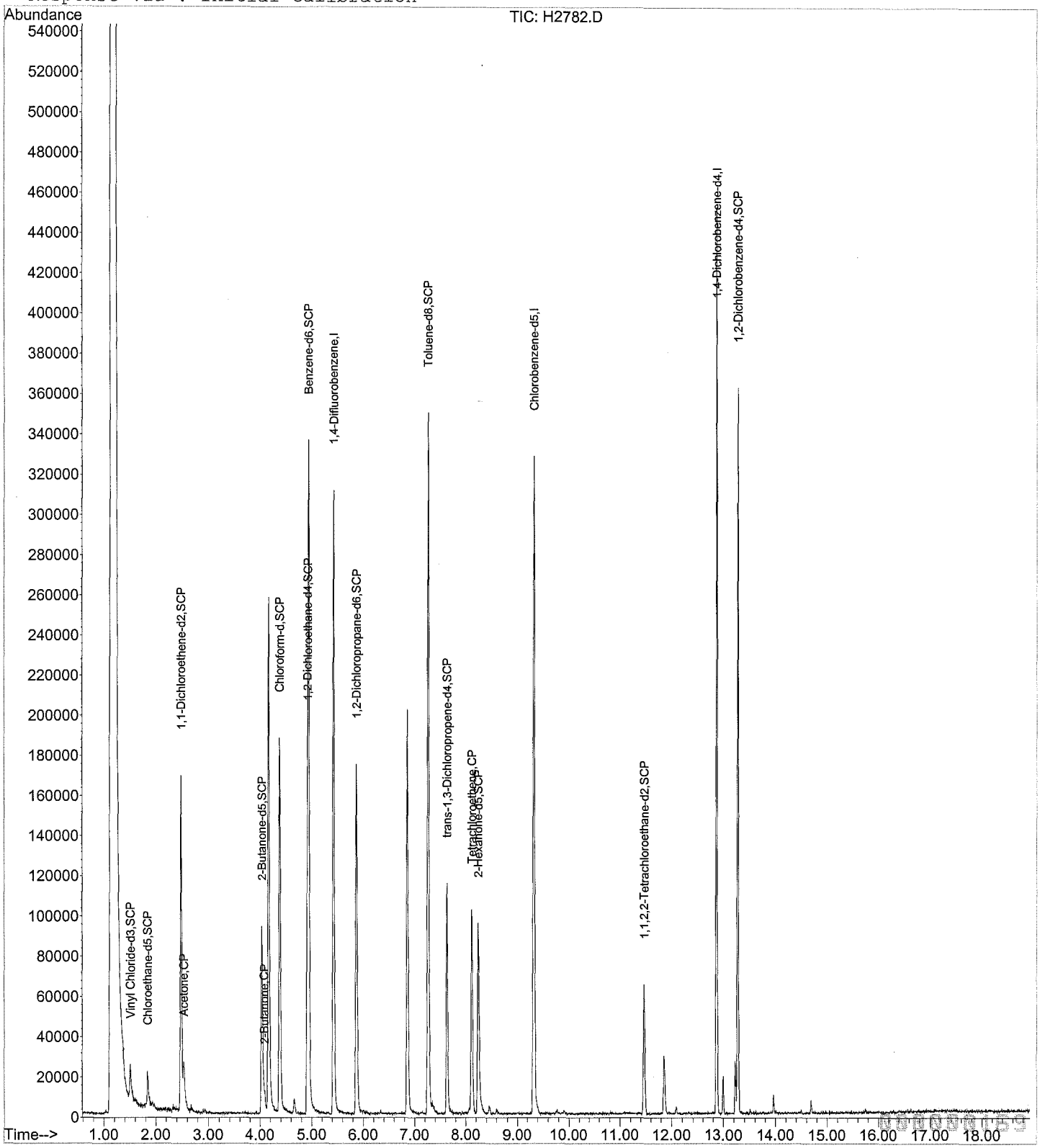
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2782.D
Acq On : 08/12/2010 2347
Sample : 0012602-04
Misc : F3KE5 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 16:52 2010

Vial: 29
Operator: AC
Inst : H-5975
Multiplr: 1.00

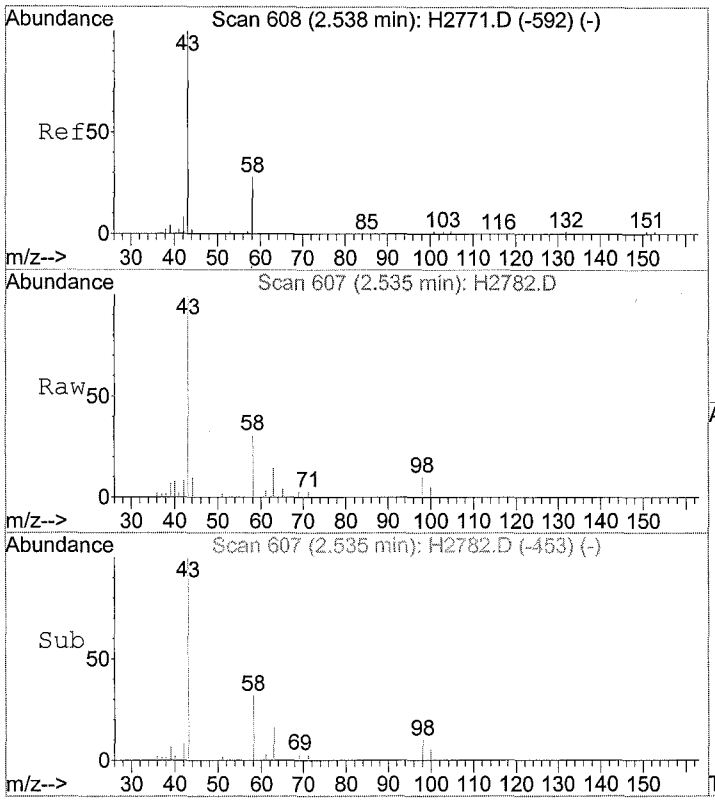
Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\H2782.D
Acq On : 08/12/2010 2347
Sample : 0012602-04
Misc : F3KE5 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

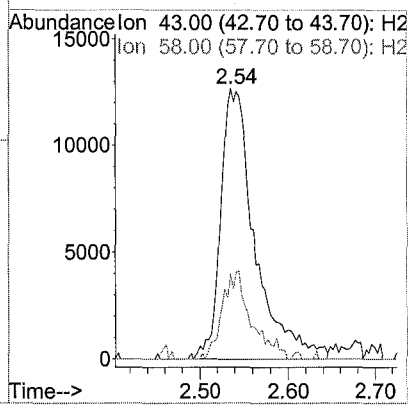
Vial: 29
Operator: AC
Inst : H-5975
Multiplr: 1.00

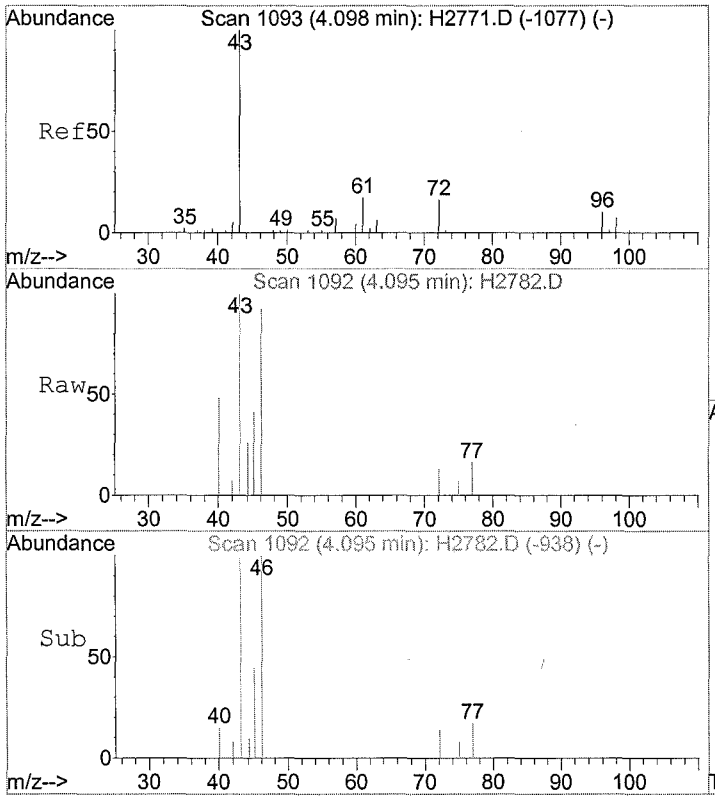


#13
Acetone
Concen: 11.5448 ug/L
RT: 2.54 min Scan# 607
Delta R.T. -0.00 min
Lab File: H2782.D
Acq: 12 Aug 2010 23:47

Tgt Ion: 43 Resp: 34176

Ion	Ratio	Lower	Upper
43	100		
58	27.5	9.3	49.3

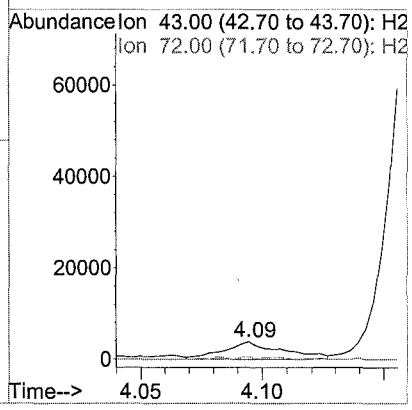




#22
2-Butanone
Concen: 1.3461 ug/L
RT: 4.09 min Scan# 1092
Delta R.T. -0.00 min
Lab File: H2782.D
Acq: 12 Aug 2010 23:47

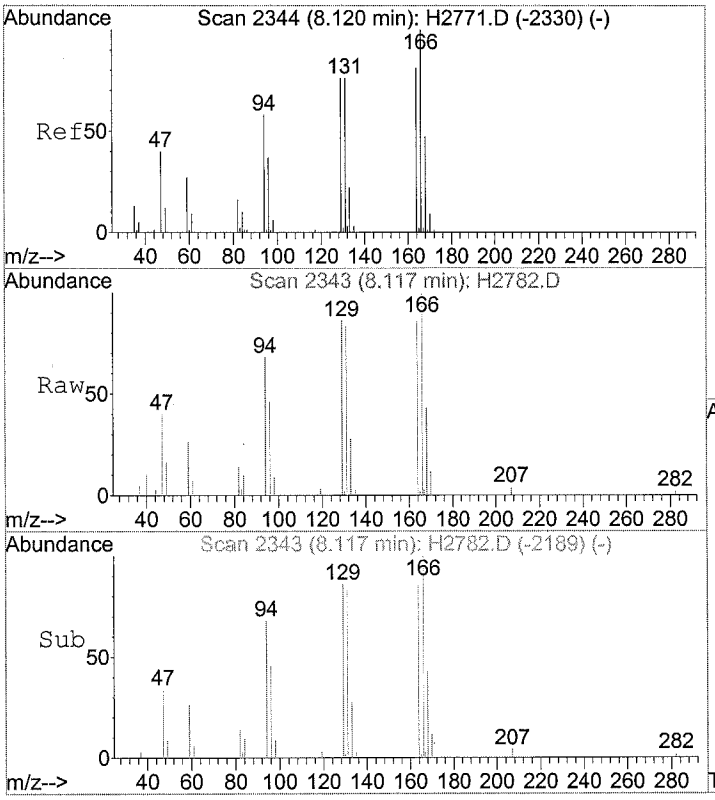
Tgt Ion: 43 Resp: 6384

Ion	Ratio	Lower	Upper
43	100		
72	3.8	0.0	37.4



000000170

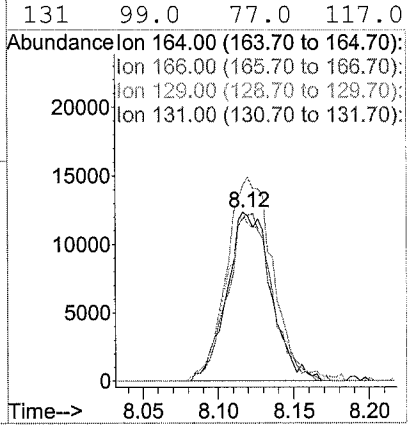
Data File : C:\MSDCHEM\1\DATA\H2782.D Vial: 29
Acq On : 08/12/2010 2347 Operator: AC
Sample : 0012602-04 Inst : H-5975
Misc : F3KE5 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML



#46
Tetrachloroethene
Concen: 2.6715 ug/L
RT: 8.12 min Scan# 2343
Delta R.T. -0.00 min
Lab File: H2782.D
Acq: 12 Aug 2010 23:47

Tgt Ion:164 Resp: 25298

Ion	Ratio	Lower	Upper
164	100		
166	126.8	106.2	146.2
129	101.0	82.3	122.3
131	99.0	77.0	117.0



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LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\H2782.D
Acq On : 08/12/2010 2347
Sample : 0012602-04
Misc : F3KE5 25ML
MS Integration Params: Lscint.p

Vial: 29
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.169	156	182	224	rBV	4017462	17731947	100.00%	71.622%
2	1.513	281	289	295	rBV2	15285	23136	0.13%	0.093%
3	1.841	384	391	398	rBV3	16550	24461	0.14%	0.099%
4	1.940	418	422	424	rBV2	2092	1411	0.01%	0.006%
5	1.972	430	432	438	rVB	2421	1764	0.01%	0.007%
6	2.484	579	591	603	rBV	166635	296181	1.67%	1.196%
7	2.535	603	607	608	rBV2	8108	6456	0.04%	0.026%
8	2.635	636	638	641	rVB2	2435	1406	0.01%	0.006%
9	2.677	649	651	654	rVB2	2905	1576	0.01%	0.006%
10	2.905	717	722	724	rBV2	2104	1485	0.01%	0.006%
11	4.037	1062	1074	1090	rBV2	92968	211831	1.19%	0.856%
12	4.175	1103	1117	1135	rBV2	254468	490233	2.76%	1.980%
13	4.239	1135	1137	1142	rVB4	2694	1527	0.01%	0.006%
14	4.387	1170	1183	1202	rBV3	185732	362138	2.04%	1.463%
15	4.660	1260	1268	1272	rBV4	6998	10279	0.06%	0.042%
16	4.943	1337	1356	1374	rBV3	335656	849651	4.79%	3.432%
17	5.432	1494	1508	1524	rBV2	310655	602628	3.40%	2.434%
18	5.876	1630	1646	1663	rBV2	174243	366915	2.07%	1.482%
19	5.998	1679	1684	1687	rBV2	2257	2601	0.01%	0.011%
20	6.146	1725	1730	1733	rBV2	1631	1592	0.01%	0.006%
21	6.863	1937	1953	1969	rBV2	201386	388873	2.19%	1.571%
22	7.268	2065	2079	2096	rBV	349341	688141	3.88%	2.780%
23	7.635	2181	2193	2206	rBV2	114171	207278	1.17%	0.837%
24	8.065	2323	2327	2328	rVV3	2903	2351	0.01%	0.009%
25	8.123	2331	2345	2358	rVB3	100664	212735	1.20%	0.859%
26	8.242	2370	2382	2397	rBV2	94390	215218	1.21%	0.869%
27	8.451	2440	2447	2449	rBV3	3778	3393	0.02%	0.014%
28	9.329	2707	2720	2736	rBV3	327036	663150	3.74%	2.679%
29	9.409	2744	2745	2750	rVB3	2867	1414	0.01%	0.006%
30	9.467	2760	2763	2768	rBV2	1597	1660	0.01%	0.007%
31	11.470	3370	3386	3400	rBV4	65027	137566	0.78%	0.556%
32	11.863	3496	3508	3525	rBV5	28556	60135	0.34%	0.243%
33	12.872	3812	3822	3835	rBV	450887	623511	3.52%	2.518%
34	13.004	3852	3863	3871	rVB5	18576	25860	0.15%	0.104%
35	13.232	3925	3934	3940	rBV3	26132	37874	0.21%	0.153%
36	13.281	3940	3949	3960	rVB	360400	476816	2.69%	1.926%
37	13.966	4156	4162	4171	rVB3	9191	11381	0.06%	0.046%
38	14.014	4171	4177	4182	rVB2	1582	1543	0.01%	0.006%
39	14.689	4380	4387	4395	rBV7	6612	7873	0.04%	0.032%

000000172

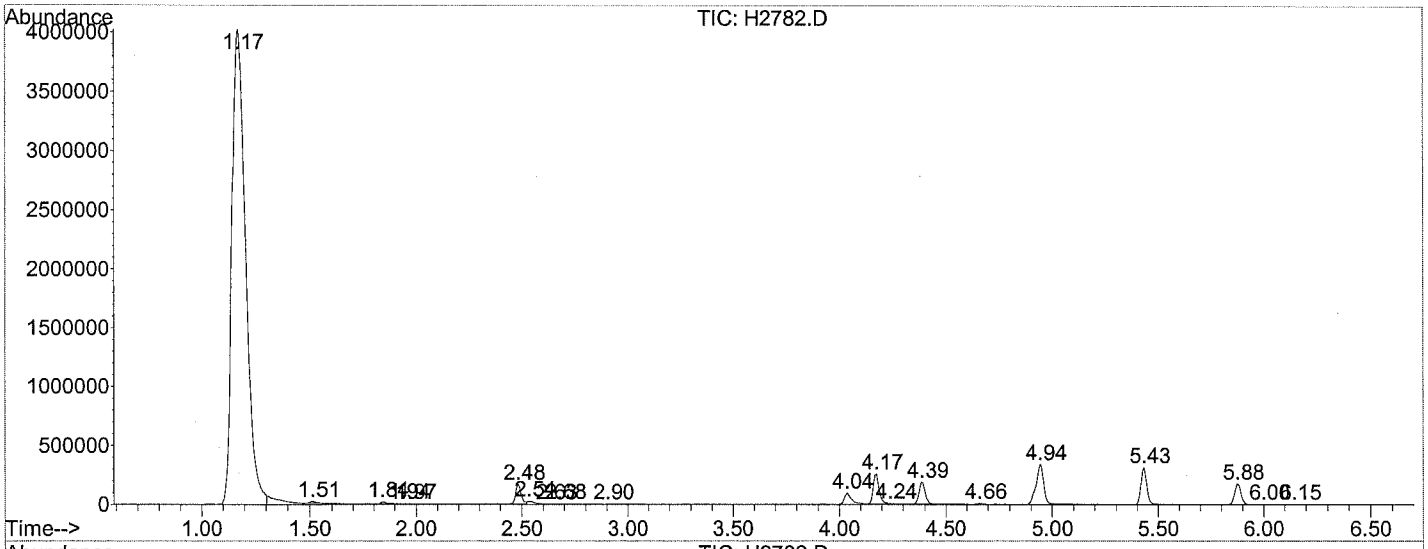
40	17.303	5195	5200	5204	rBV2	1652	1631	0.01%	0.007%

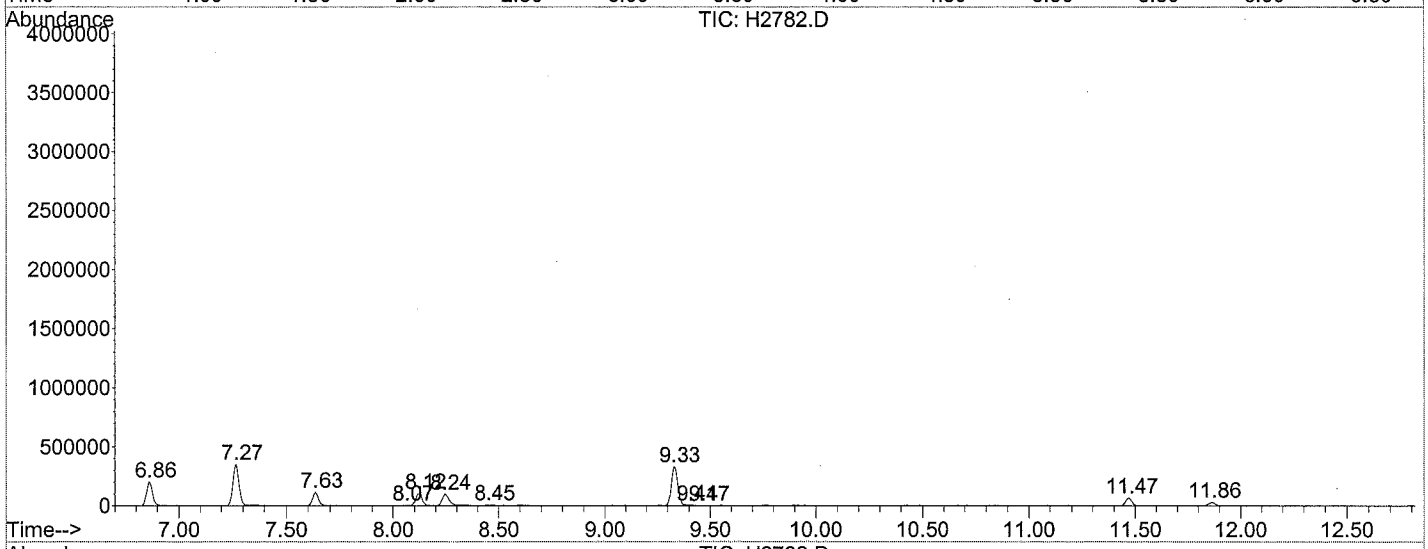
Sum of corrected areas: 24757621

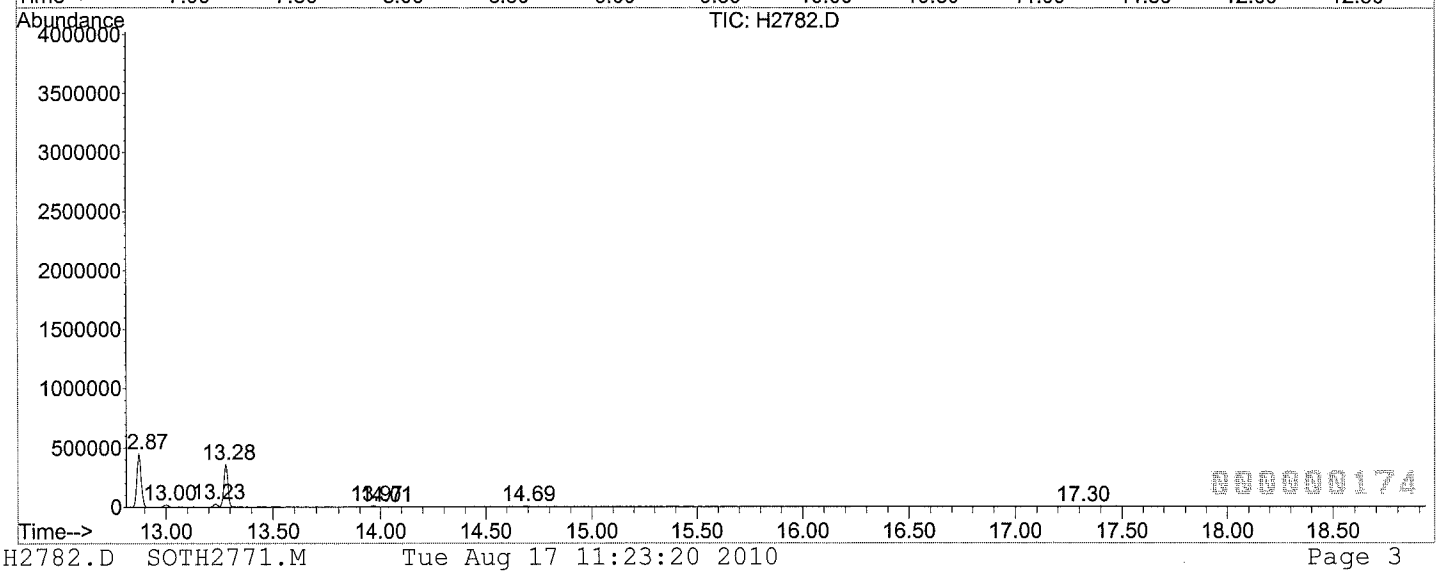
0000000173

LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\H2782.D Vial: 29
Acq On : 08/12/2010 2347 Operator: AC
Sample : 0012602-04 Inst : H-5975
Misc : F3KE5 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML







000000174

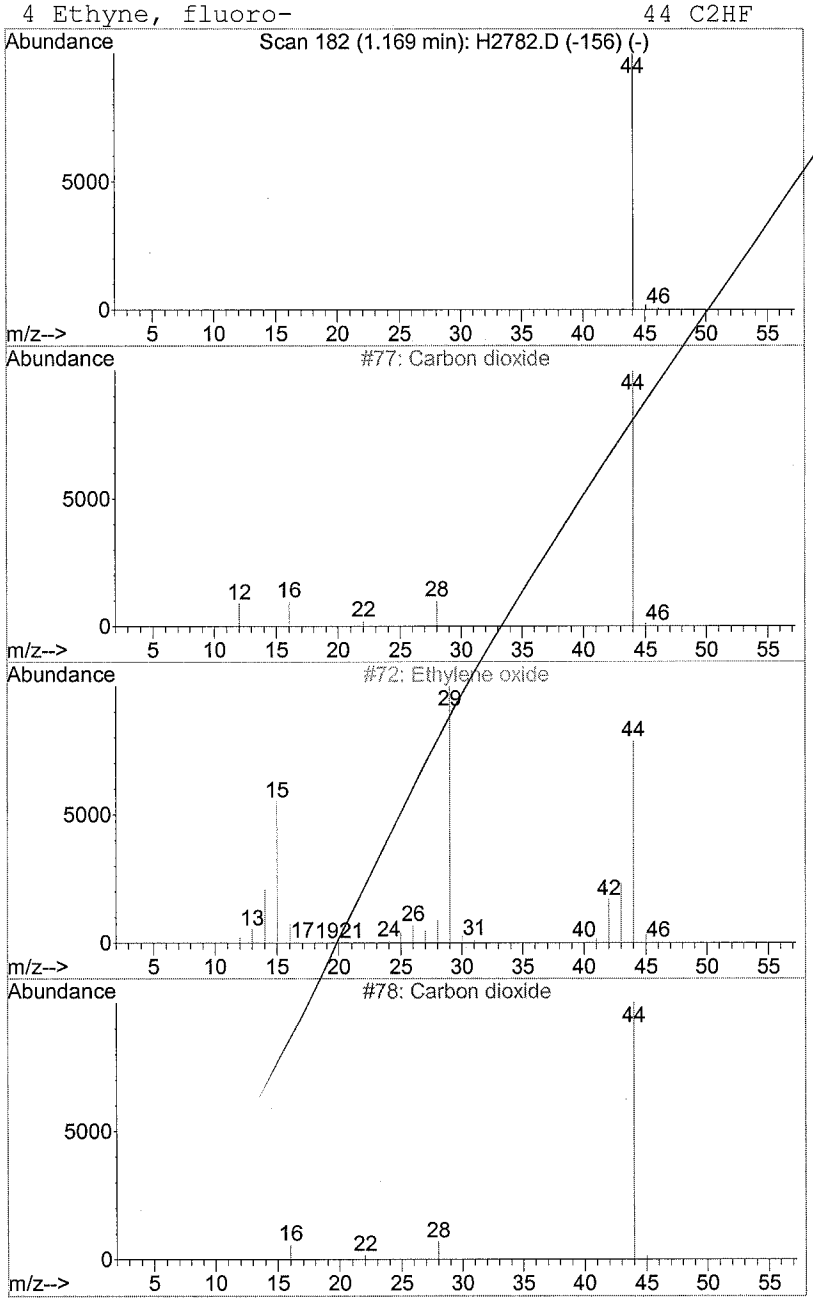
Library Search Compound Report

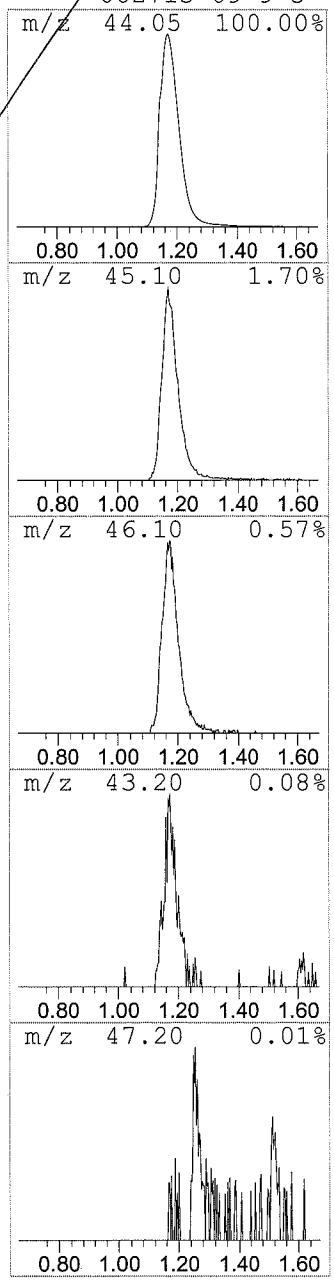
```
   Data File : C:\MSDCHEM\1\DATA\H2782.D                    Vial: 29
   Acq On    : 08/12/2010  2347                          Operator: AC
   Sample    : 0012602-04                                Inst    : H-5975
   Misc      : F3KE5   25ML                              Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title        : CLP SOM01.2-TRACE VOA-WATER -25ML
Library      : C:\DATABASE\NIST02.L
*****************************************************************
Peak Number  1  Carbon dioxide                  Concentration Rank  1
```

CO2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.17	147.12 ug/L	17731900	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Carbon dioxide	44	CO2	000124-38-9	3
4	Ethyne, fluoro-	44	C2HF	002713-09-9	3





000000175

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2782.D Vial: 29
Acq On : 08/12/2010 2347 Operator: AC
Sample : 0012602-04 Inst : H-5975
Misc : F3KE5 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

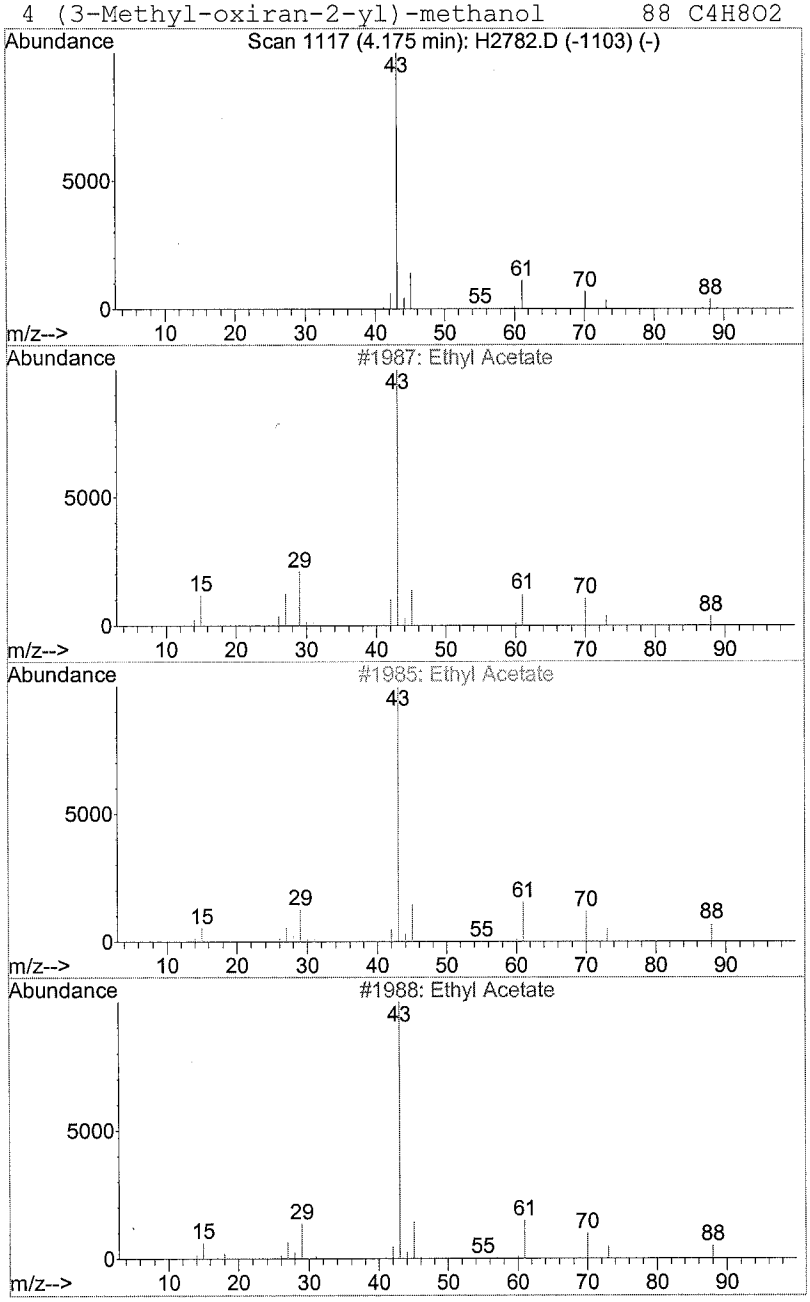
****

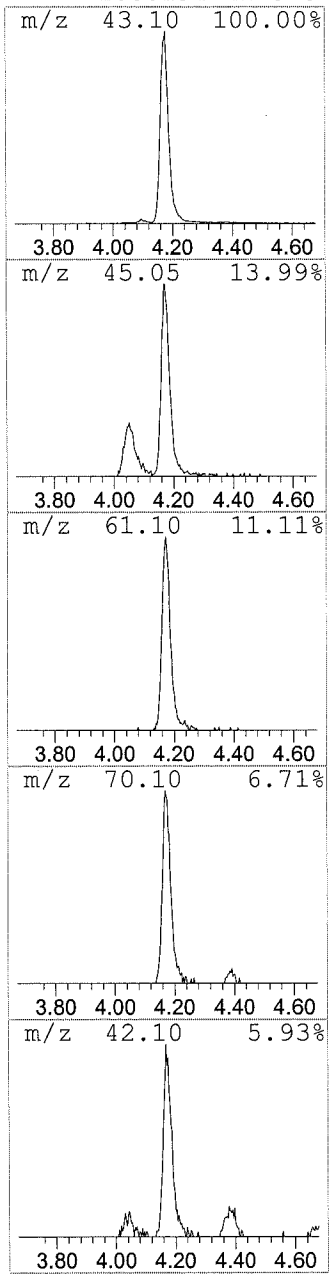
Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	4.07 ug/L	490233	1,4-Difluorobenzene	5.43

unknown

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	59
2	Ethyl Acetate	88	C4H8O2	000141-78-6	56
3	Ethyl Acetate	88	C4H8O2	000141-78-6	53
4	(3-Methyl-oxiran-2-yl)-methanol	88	C4H8O2	1000194-22-9	9





000000176

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2782.D
Acq On : 08/12/2010 2347
Sample : 0012602-04
Misc : F3KE5 25ML
MS Integration Params: Lscint.p

Vial: 29
Operator: AC
Inst : H-5975
Multiplr: 1.00

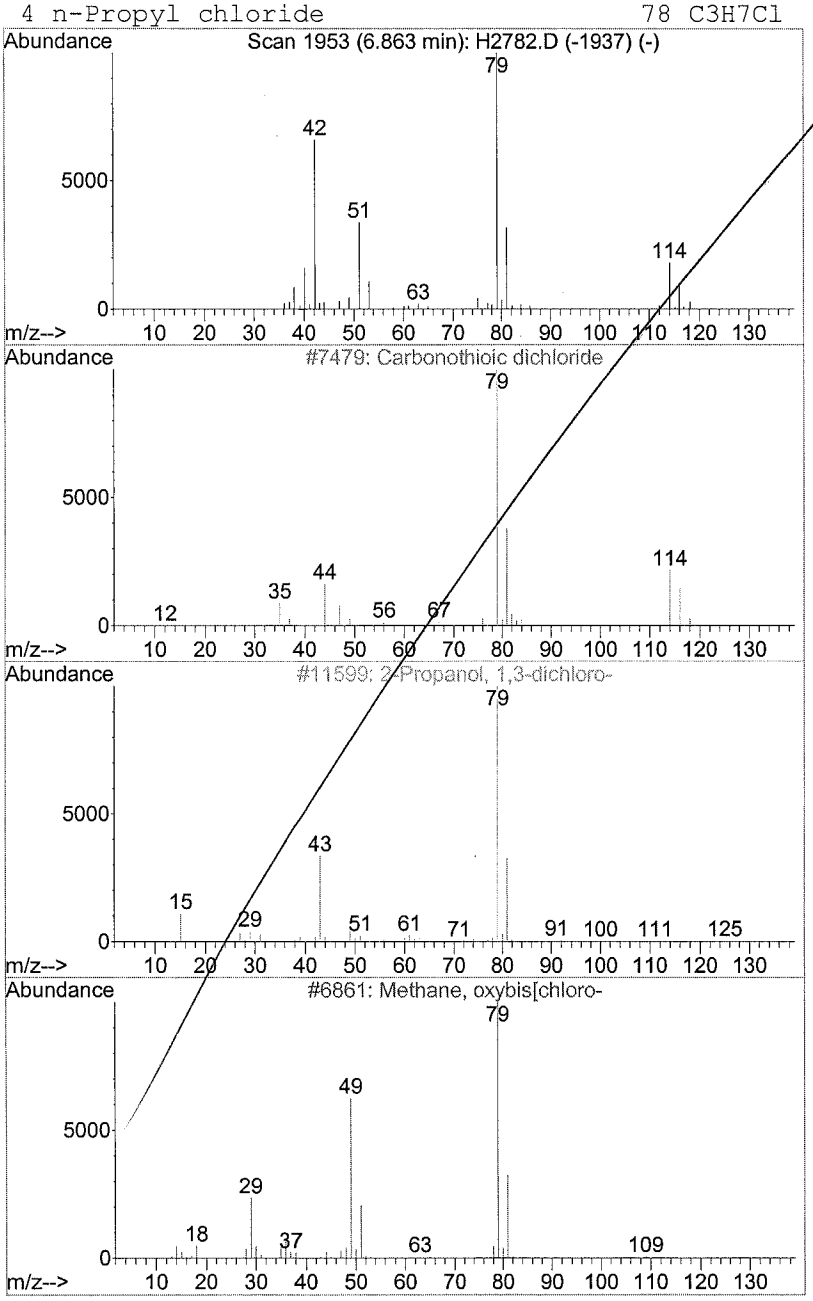
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

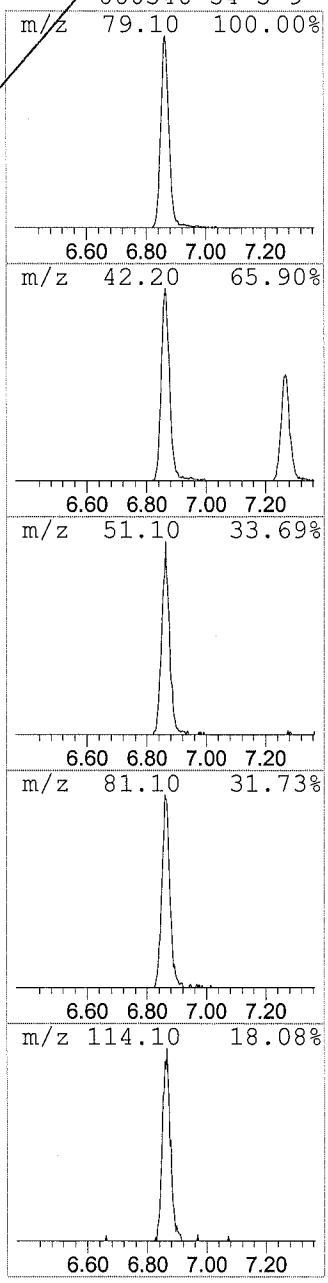
****

Peak Number 3 Carbonothioic dichloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.23 ug/L	388873	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	49
2	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	32
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	23
4	n-Propyl chloride	78	C3H7Cl	000540-54-5	9





DMC
SAH

000000177

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 12 Aug 2010 23:47
Data File: C:\MSDCHEM\1\DATA\H2782.D
Name: 0012602-04
Misc: F3KE5 25ML
Method: C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title: CLP SOM01.2-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.17	147.1	ug/L	17731900	1	5.43	602628	5.0
Ethyl Acetate	4.17	4.1	ug/L	490233	1	5.43	602628	5.0
Carbonothioic dic...	6.86	3.2	ug/L	388873	1	5.43	602628	5.0

000000178

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-05

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2783.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	13	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.6	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-05

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2783.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.7	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KE6

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-05

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2783.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	4.17	4.5	JN
02	000556-67-2	Cyclotetrasiloxane, octamet.	11.87	0.63	JN
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

000000181

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2783.D
Acq On : 08/13/2010 0013
Sample : 0012602-05
Misc : F3KE6 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:31:55 2010

Vial: 30
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/17/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	196944	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	168337	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.88	152	77364	5.0000 ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.51	65	19677	7.3987 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 147.97%#		
7) Chloroethane-d5	1.84	69	14787	7.5046 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 150.09%#		
10) 1,1-Dichloroethene-d2	2.48	63	109352	4.6869 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 93.74%		
20) 2-Butanone-d5	4.04	46	121379	47.3876 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 94.78%		
24) Chloroform-d	4.39	84	118606	4.6510 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 93.02%		
26) 1,2-Dichloroethane-d4	4.92	65	69928	4.3057 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 86.11%		
32) Benzene-d6	4.95	84	227940	5.0194 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 100.39%		
35) 1,2-Dichloropropane-d6	5.88	67	62849	4.6415 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 92.83%		
41) Toluene-d8	7.27	98	203506	4.8786 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 97.57%		
43) trans-1,3-Dichloropropene-	7.63	79	54087	3.8849 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 77.70%		
47) 2-Hexanone-d5	8.24	63	30107	43.4431 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 86.89%		
57) 1,1,2,2-Tetrachloroethane-	11.46	84	30026	3.5641 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 71.28%#		
63) 1,2-Dichlorobenzene-d4	13.28	152	57943	4.6447 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 92.89%		

Target Compounds					Qvalue
13) Acetone	2.54	43	32995	12.5732 ug/L	94
22) 2-Butanone	4.09	43	6577	1.5644 ug/L	77
46) Tetrachloroethene	8.12	164	23392	2.7292 ug/L	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

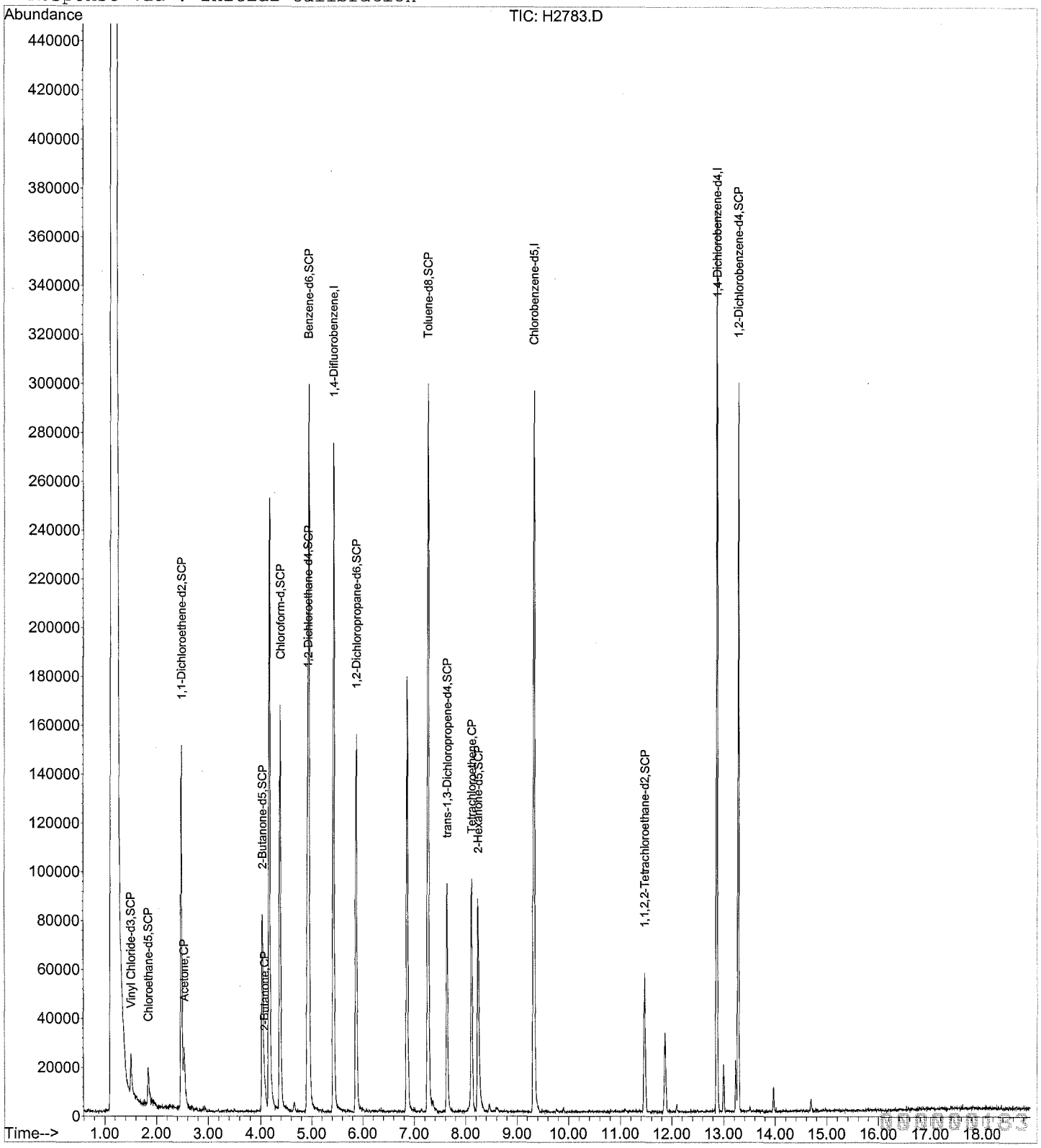
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2783.D
Acq On : 08/13/2010 0013
Sample : 0012602-05
Misc : F3KE6 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 16:55 2010

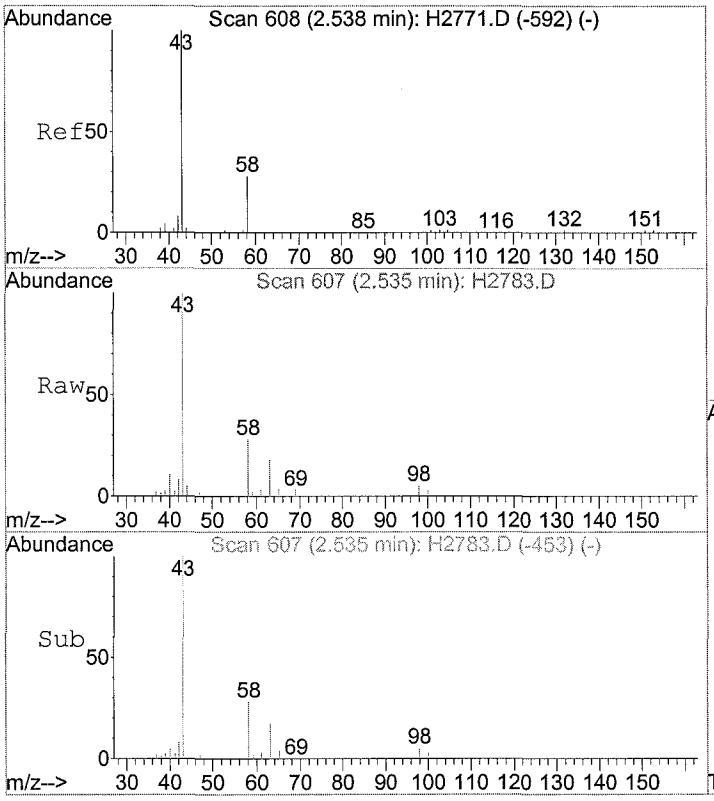
Vial: 30
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



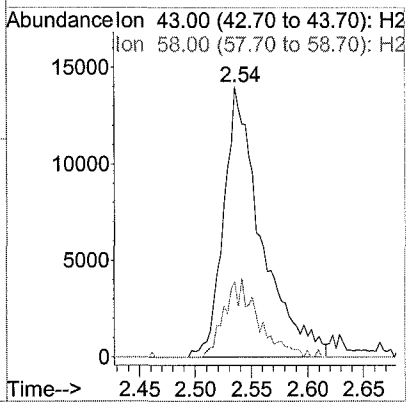
Data File : C:\MSDCHEM\1\DATA\H2783.D Vial: 30
Acq On : 08/13/2010 0013 Operator: AC
Sample : 0012602-05 Inst : H-5975
Misc : F3KE6 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

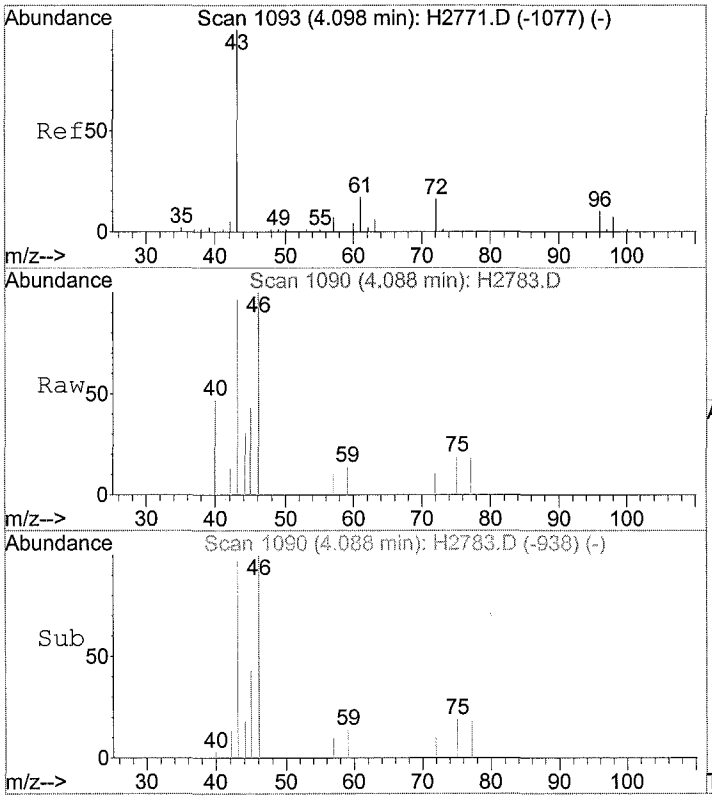


#13
Acetone
Concen: 12.5732 ug/L
RT: 2.54 min Scan# 607
Delta R.T. -0.00 min
Lab File: H2783.D
Acq: 13 Aug 2010 00:13

Tgt Ion: 43 Resp: 32995

Ion	Ratio	Lower	Upper
43	100		
58	25.9	9.3	49.3

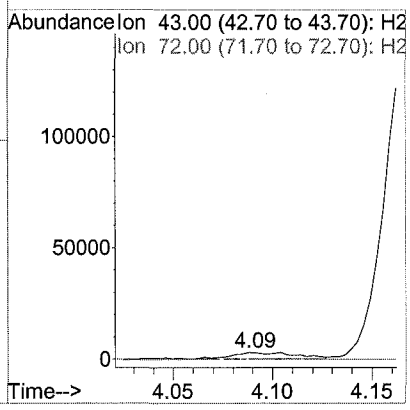




#22
2-Butanone
Concen: 1.5644 ug/L
RT: 4.09 min Scan# 1090
Delta R.T. -0.01 min
Lab File: H2783.D
Acq: 13 Aug 2010 00:13

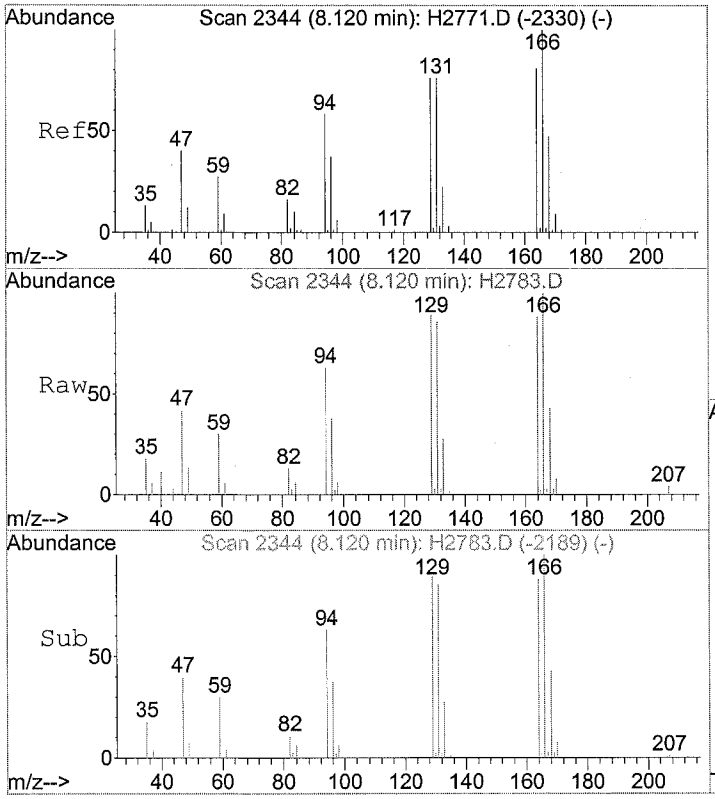
Tgt Ion: 43 Resp: 6577

Ion	Ratio	Lower	Upper
43	100		
72	7.4	0.0	37.4



000000184

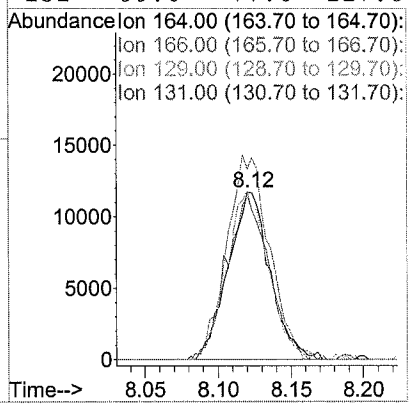
```
Data File : C:\MSDCHEM\1\DATA\H2783.D                    Vial: 30
Acq On    : 08/13/2010  0013                         Operator: AC
Sample    : 0012602-05                               Inst    : H-5975
Misc      : F3KE6   25ML                             Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title     : CLP SOM01.2-TRACE VOA-WATER -25ML
```



#46
Tetrachloroethene
Concen: 2.7292 ug/L
RT: 8.12 min Scan# 2344
Delta R.T. -0.00 min
Lab File: H2783.D
Acq: 13 Aug 2010 00:13

Tgt Ion:164 Resp: 23392

Ion	Ratio	Lower	Upper
164	100		
166	124.4	106.2	146.2
129	99.6	82.3	122.3
131	99.0	77.0	117.0



000000185

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\H2783.D
Acq On : 08/13/2010 0013
Sample : 0012602-05
Misc : F3KE6 25ML
MS Integration Params: Lscint.p

Vial: 30
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.169	155	182	228	rBV	4194140	19126695	100.00%	75.478%
2	1.506	281	287	288	rBV3	14080	9727	0.05%	0.038%
3	1.722	353	354	360	rVB2	2121	1615	0.01%	0.006%
4	1.751	360	363	365	rBV2	2375	1573	0.01%	0.006%
5	1.764	365	367	371	rVB3	2888	1668	0.01%	0.007%
6	1.792	373	376	380	rBV3	2133	1658	0.01%	0.007%
7	1.844	384	392	399	rVV4	15284	27264	0.14%	0.108%
8	1.870	399	400	403	rVV	6186	3149	0.02%	0.012%
9	1.899	406	409	411	rBV2	2726	1571	0.01%	0.006%
10	2.484	580	591	601	rBV2	147881	245195	1.28%	0.968%
11	2.535	605	607	608	rVV2	4355	1507	0.01%	0.006%
12	2.567	616	617	629	rVB3	7652	8739	0.05%	0.034%
13	2.622	632	634	638	rVB3	2340	1543	0.01%	0.006%
14	2.902	718	721	725	rVB2	2185	1624	0.01%	0.006%
15	2.927	725	729	731	rBV2	2313	1652	0.01%	0.007%
16	4.034	1062	1073	1094	rBV	80656	199528	1.04%	0.787%
17	4.172	1102	1116	1130	rBV	249163	482817	2.52%	1.905%
18	4.387	1170	1183	1197	rBV2	165299	312146	1.63%	1.232%
19	4.664	1260	1269	1273	rBV6	3776	6414	0.03%	0.025%
20	4.947	1335	1357	1373	rBV5	297889	736188	3.85%	2.905%
21	5.429	1493	1507	1524	rBV3	274379	532957	2.79%	2.103%
22	5.876	1630	1646	1667	rBV2	154878	317599	1.66%	1.253%
23	5.963	1671	1673	1678	rVB2	1638	1498	0.01%	0.006%
24	6.863	1938	1953	1967	rBV3	178073	331463	1.73%	1.308%
25	7.268	2063	2079	2096	rBV2	298217	597052	3.12%	2.356%
26	7.635	2179	2193	2208	rBV2	93824	179694	0.94%	0.709%
27	8.075	2326	2330	2331	rVV3	3708	2082	0.01%	0.008%
28	8.117	2331	2343	2359	rVB4	94212	195505	1.02%	0.772%
29	8.242	2370	2382	2405	rBV3	87058	201105	1.05%	0.794%
30	8.448	2441	2446	2448	rBV4	2991	2496	0.01%	0.010%
31	9.332	2706	2721	2737	rBV2	295218	592456	3.10%	2.338%
32	11.467	3371	3385	3400	rBV4	57138	116103	0.61%	0.458%
33	11.866	3495	3509	3527	rVB4	32492	68400	0.36%	0.270%
34	12.094	3573	3580	3581	rBV3	2983	2944	0.02%	0.012%
35	12.872	3812	3822	3837	rBV2	371310	546613	2.86%	2.157%
36	13.001	3855	3862	3870	rVB7	19587	26915	0.14%	0.106%
37	13.229	3926	3933	3940	rBV4	20608	26898	0.14%	0.106%
38	13.281	3940	3949	3960	rVB2	297930	407916	2.13%	1.610%
39	13.972	4157	4164	4170	rBV4	9703	12455	0.07%	0.049%

000000186

40	14.692	4383	4388	4393	rBV4	4897	6418	0.03%	0.025%

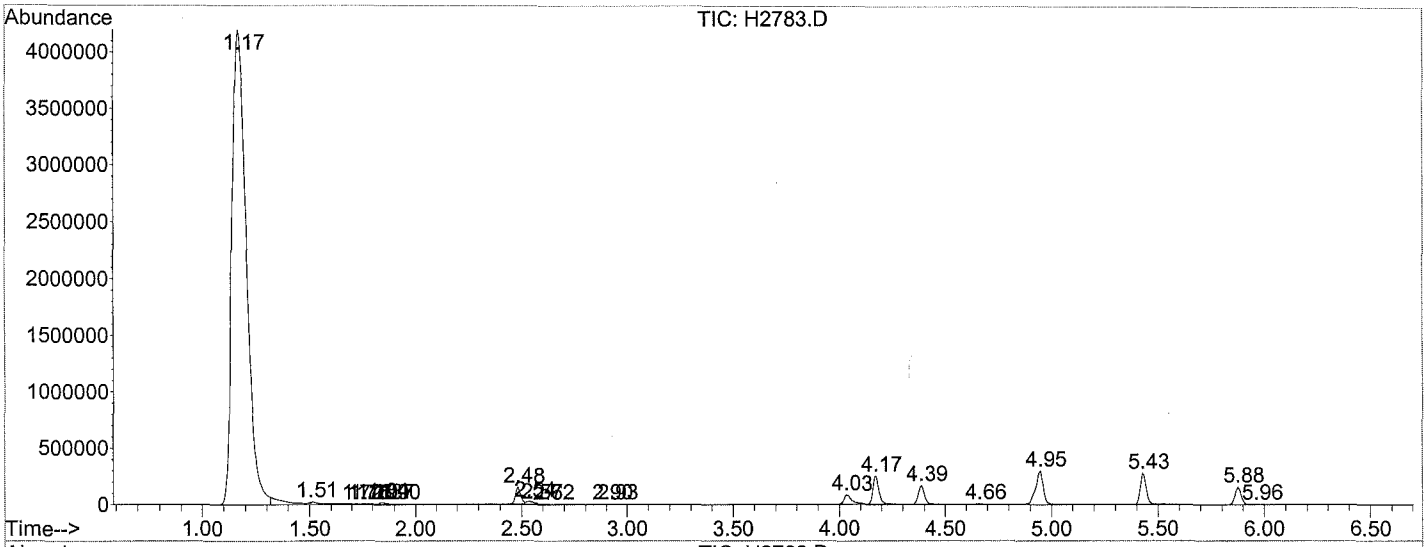
Sum of corrected areas: 25340842

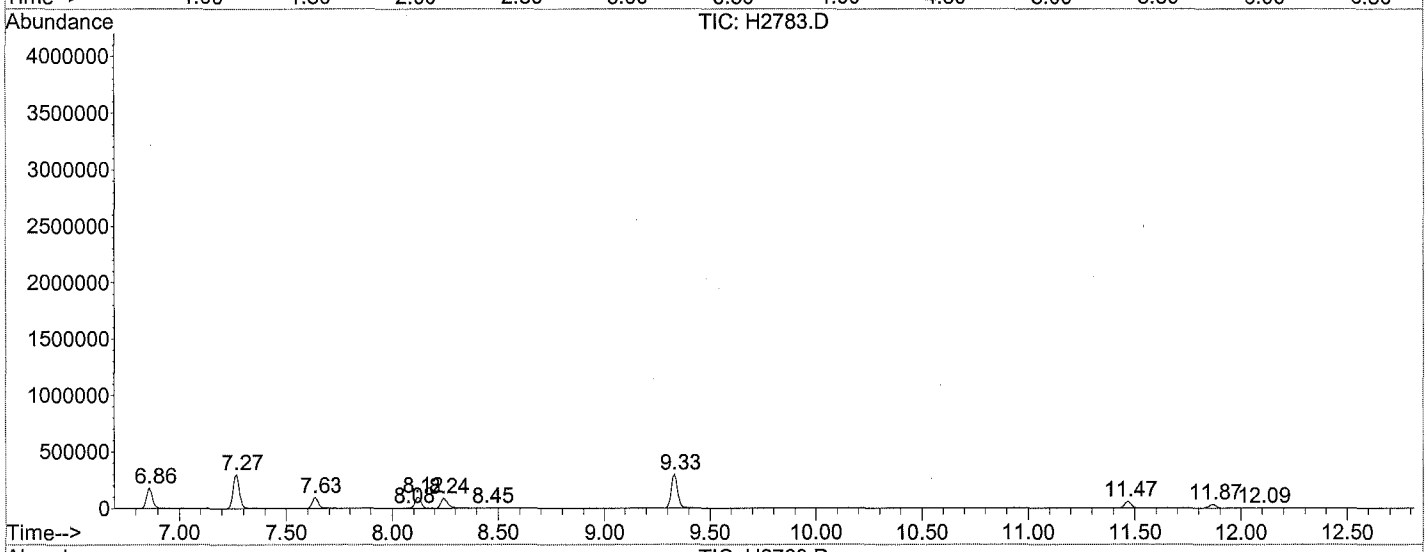
000000187

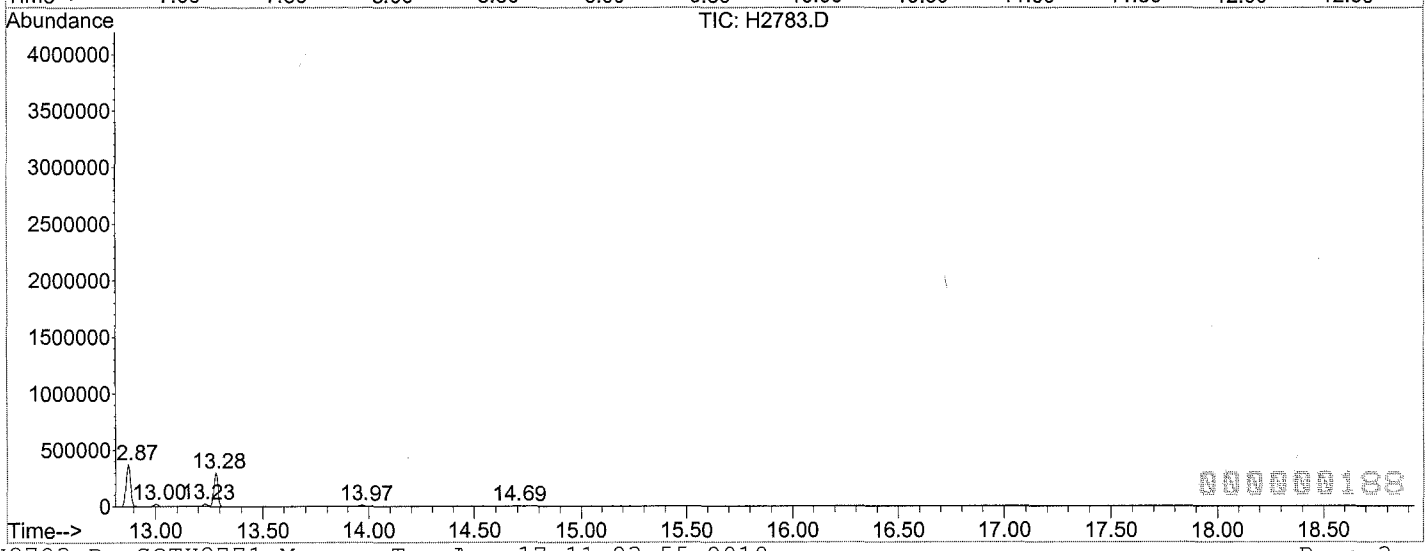
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\H2783.D
Acq On : 08/13/2010 0013
Sample : 0012602-05
Misc : F3KE6 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

Vial: 30
Operator: AC
Inst : H-5975
Multiplr: 1.00



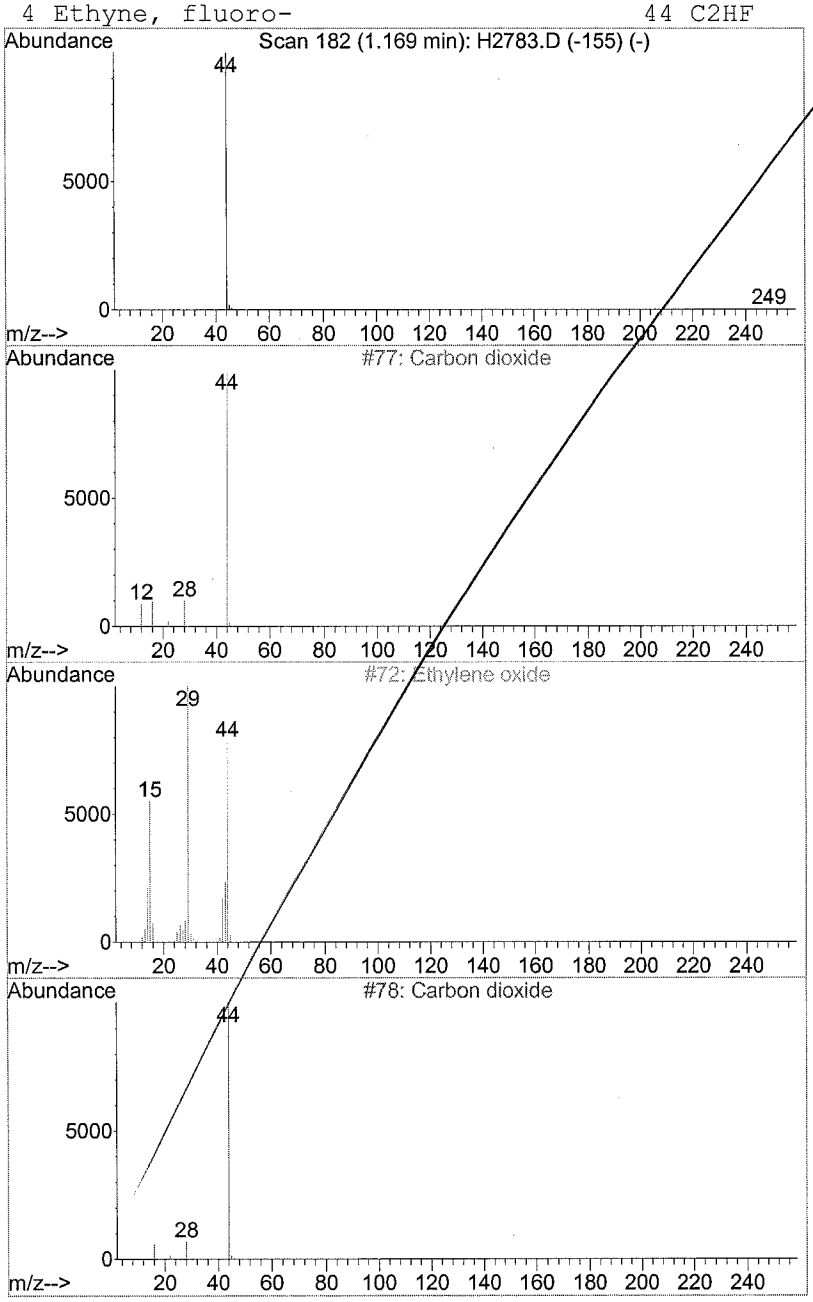


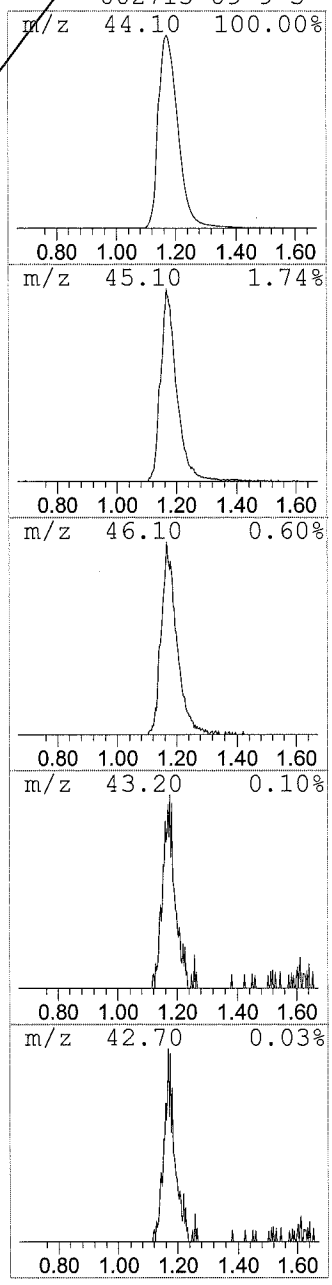


000000188

Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\H2783.D                    Vial: 30
   Acq On    : 08/13/2010  0013                          Operator: AC
   Sample    : 0012602-05                                Inst    : H-5975
   Misc      : F3KE6   25ML                              Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title        : CLP SOM01.2-TRACE VOA-WATER -25ML
Library      : C:\DATABASE\NIST02.L
*******************************************************************
Peak Number  1  Carbon dioxide                  Concentration Rank  1

  R.T.   EstConc           Area       Relative to ISTD         R.T.
-------------------------------------------------------------------
  1.17  179.44 ug/L     19126700    1,4-Difluorobenzene         5.43

 Hit# of  5    Tentative ID                MW  MolForm       CAS#        Qual
-------------------------------------------------------------------------
 1 Carbon dioxide                          44  CO2          000124-38-9 4
 2 Ethylene oxide                          44  C2H4O        000075-21-8 3
 3 Carbon dioxide                          44  CO2          000124-38-9 3
 4 Ethyne, fluoro-                         44  C2HF         002713-09-9 3
```





000000189

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2783.D Vial: 30
Acq On : 08/13/2010 0013 Operator: AC
Sample : 0012602-05 Inst : H-5975
Misc : F3KE6 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

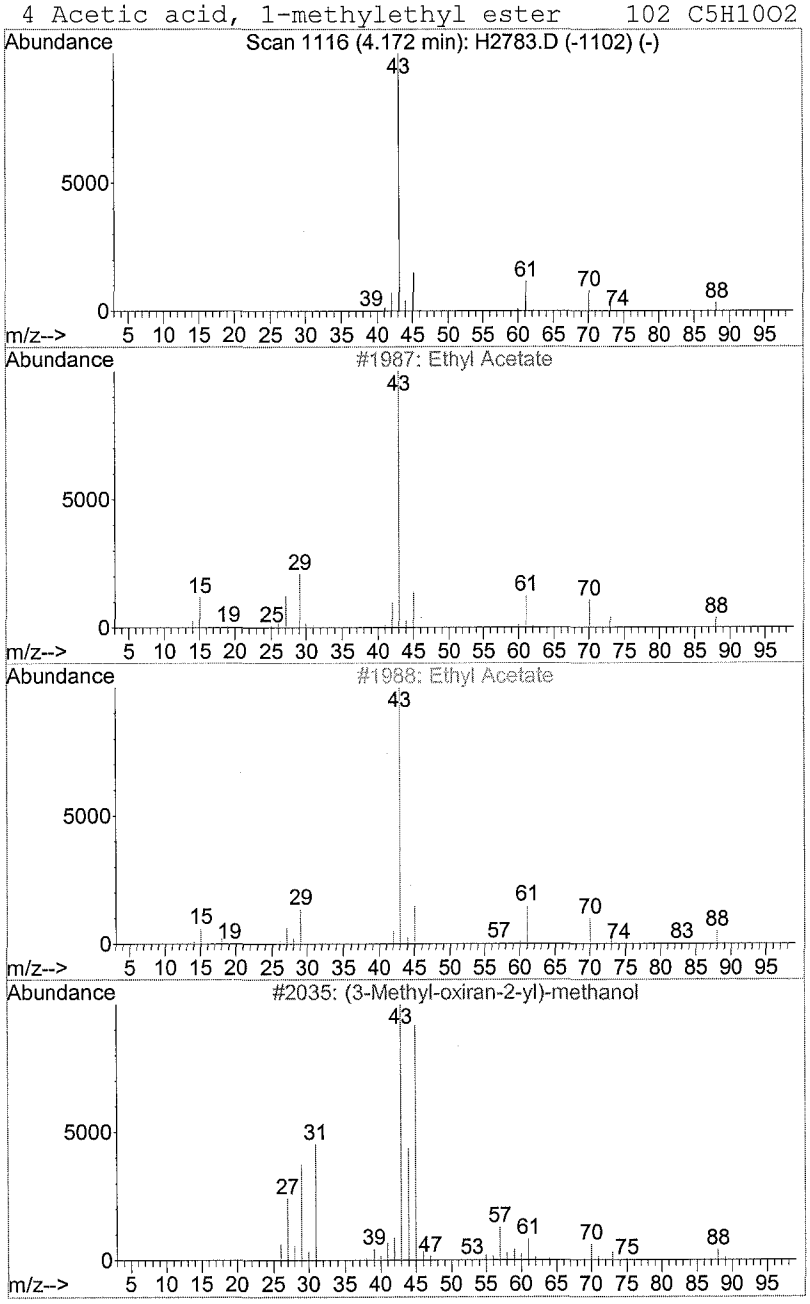
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

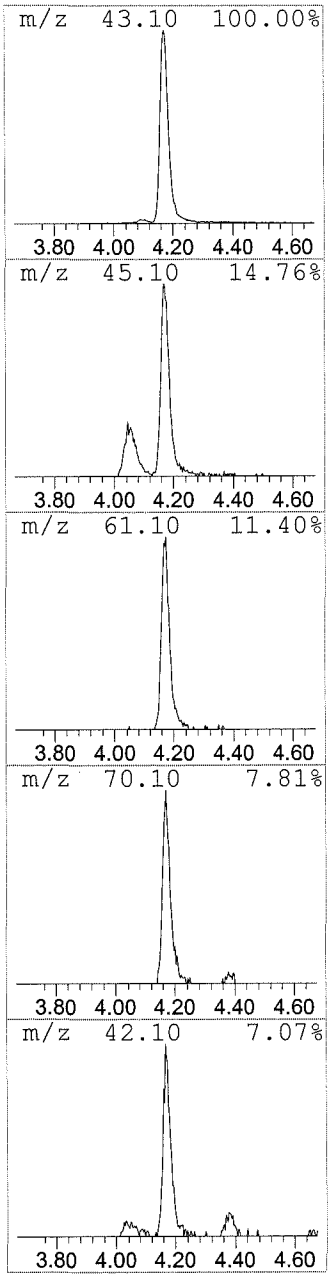
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	4.53 ug/L	482817	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	86
2	Ethyl Acetate	88	C4H8O2	000141-78-6	9
3	(3-Methyl-oxiran-2-yl)-methanol	88	C4H8O2	1000194-22-9	9
4	Acetic acid, 1-methylethyl ester	102	C5H10O2	000108-21-4	9





000000190

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2783.D Vial: 30
Acq On : 08/13/2010 0013 Operator: AC
Sample : 0012602-05 Inst : H-5975
Misc : F3KE6 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

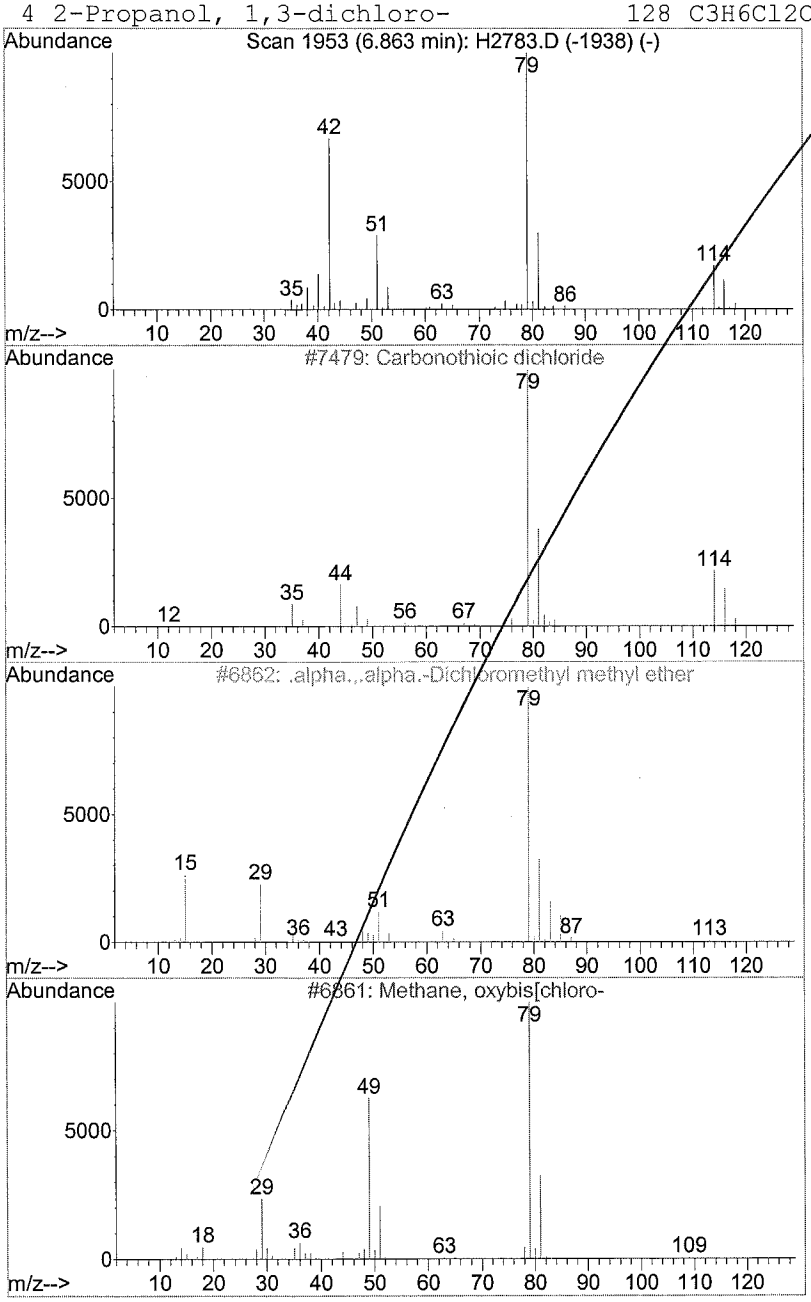
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

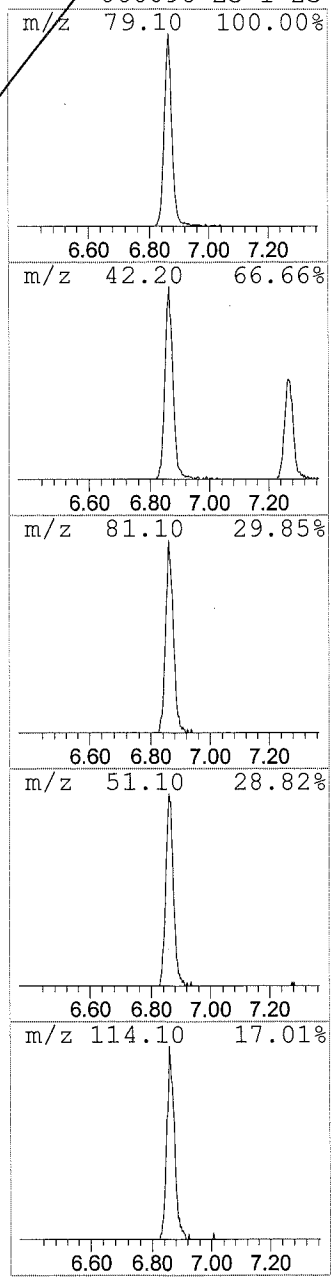
****

Peak Number 3 Carbonothioic dichloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.11 ug/L	331463	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	49
2	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	37
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	25
4	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	23





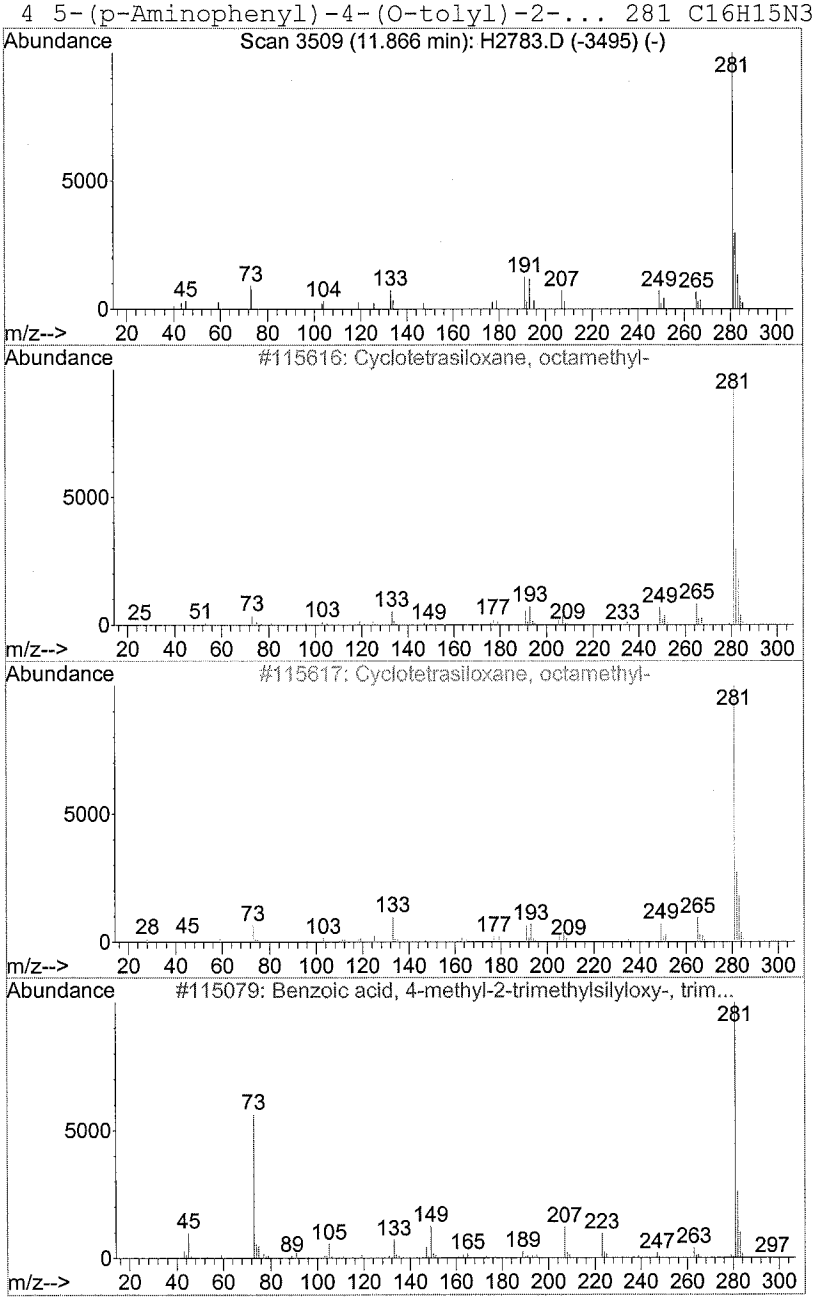
000000191

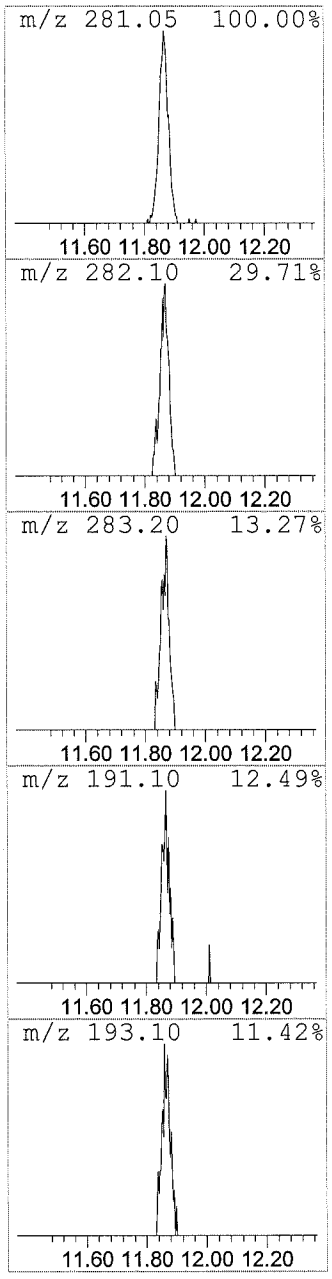
Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\H2783.D                    Vial: 30
   Acq On    : 08/13/2010  0013                         Operator: AC
   Sample    : 0012602-05                               Inst    : H-5975
   Misc      : F3KE6   25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title        : CLP SOM01.2-TRACE VOA-WATER -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  4  Cyclotetrasiloxane, octamet...  Concentration Rank  4
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	0.63 ug/L	68400	1,4-Dichlorobenzene-d4	12.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	91
2	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	86
3	Benzoic acid, 4-methyl-2-trimeth...	296	C14H24O3Si2	1000153-59-3	59
4	5-(p-Aminophenyl)-4-(O-tolyl)-2-...	281	C16H15N3S	1000242-18-7	53





000000192

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 00:13
Data File: C:\MSDCHEM\1\DATA\H2783.D
Name: 0012602-05
Misc: F3KE6 25ML
Method: C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title: CLP SOM01.2-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.17	179.4	ug/L	19126700	1	5.43	532957	5.0
Ethyl Acetate	4.17	4.5	ug/L	482817	1	5.43	532957	5.0
Carbonothioic dic...	6.86	3.1	ug/L	331463	1	5.43	532957	5.0
Cyclotetrasiloxan...	11.87	0.6	ug/L	68400	3	12.88	546613	5.0

000000193

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-06

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2784.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	11	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-06

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2784.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.5	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KE7

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-06

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2784.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01 (5.43)	4.17	4.1	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2784.D
Acq On : 08/13/2010 0039
Sample : 0012602-06
Misc : F3KE7 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:32:14 2010

Vial: 31
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/17/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	213925	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.34	117	177205	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	84007	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	17281	5.9820 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 119.64%		
7) Chloroethane-d5	1.84	69	14246	6.6562 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 133.12%#		
10) 1,1-Dichloroethene-d2	2.49	63	116739	4.6063 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 92.13%		
20) 2-Butanone-d5	4.03	46	128860	46.3148 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 92.63%		
24) Chloroform-d	4.39	84	129288	4.6674 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 93.35%		
26) 1,2-Dichloroethane-d4	4.92	65	74923	4.2471 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 84.94%		
32) Benzene-d6	4.95	84	242676	5.0765 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 101.53%		
35) 1,2-Dichloropropane-d6	5.88	67	66495	4.6650 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 93.30%		
41) Toluene-d8	7.27	98	219801	5.0055 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 100.11%		
43) trans-1,3-Dichloropropene-	7.63	79	60169	4.1054 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 82.11%		
47) 2-Hexanone-d5	8.24	63	31980	43.8364 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 87.67%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	33245	3.7487 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 74.97%		
63) 1,2-Dichlorobenzene-d4	13.28	152	61126	4.5124 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 90.25%		

Target Compounds					Qvalue
13) Acetone	2.54	43	30846	10.8213 ug/L	96
46) Tetrachloroethene	8.12	164	22817	2.5289 ug/L	98

000000197

(#) = qualifier out of range (m) = manual integration (+) = signals summed

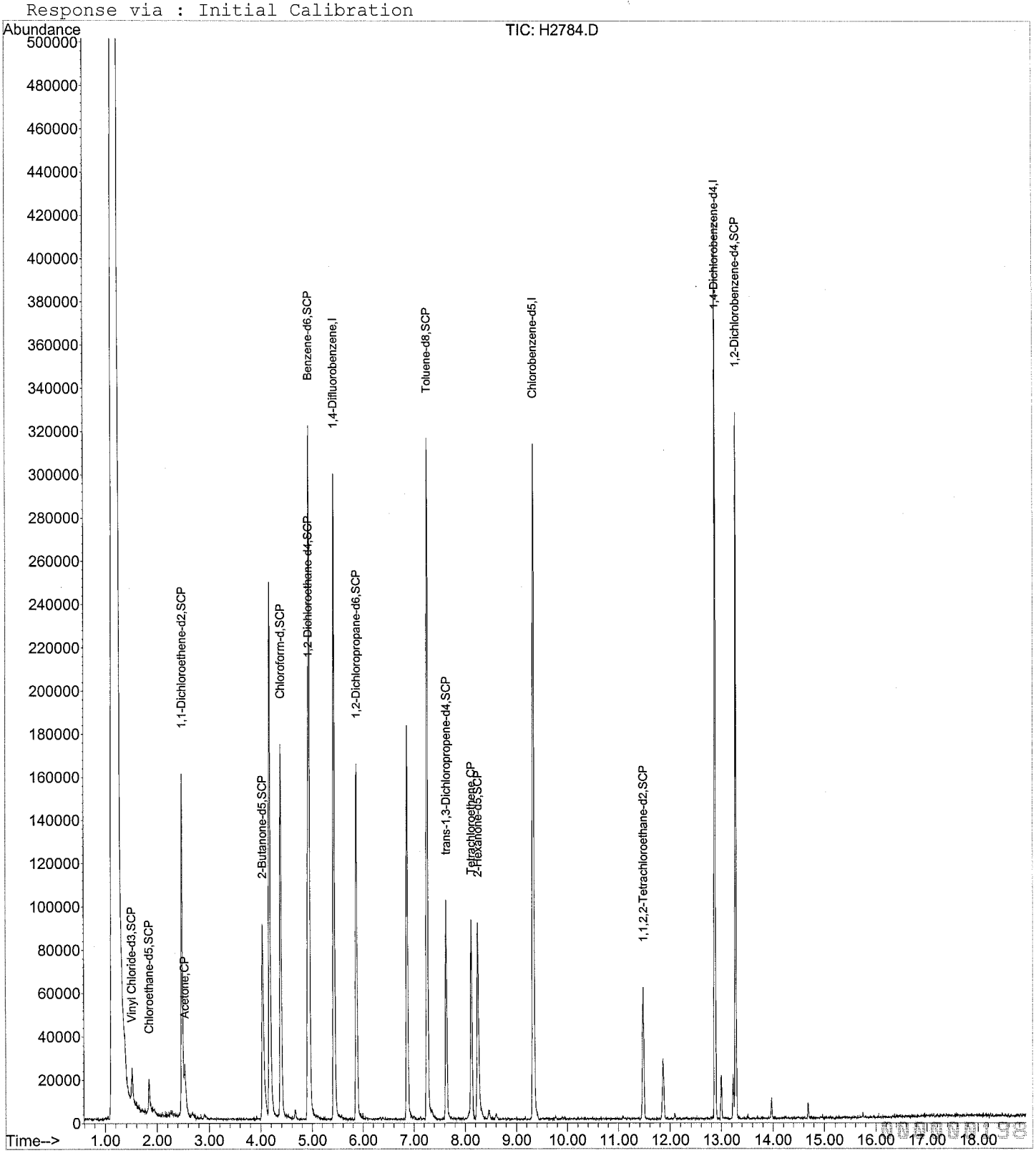
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2784.D
Acq On : 08/13/2010 0039
Sample : 0012602-06
Misc : F3KE7 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 16:56 2010

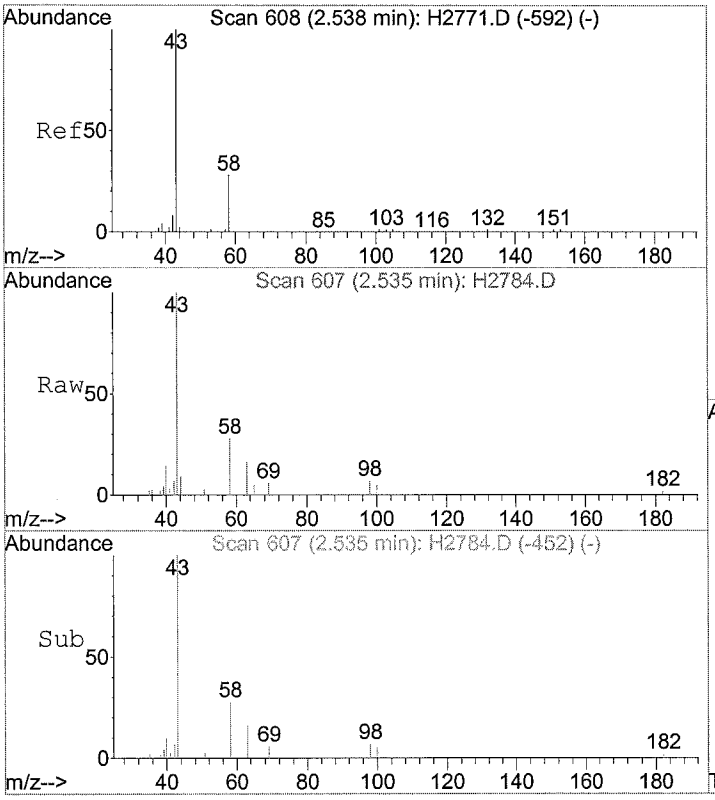
Vial: 31
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



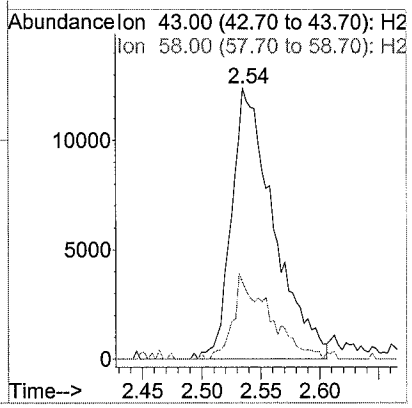
Data File : C:\MSDCHEM\1\DATA\H2784.D Vial: 31
Acq On : 08/13/2010 0039 Operator: AC
Sample : 0012602-06 Inst : H-5975
Misc : F3KE7 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

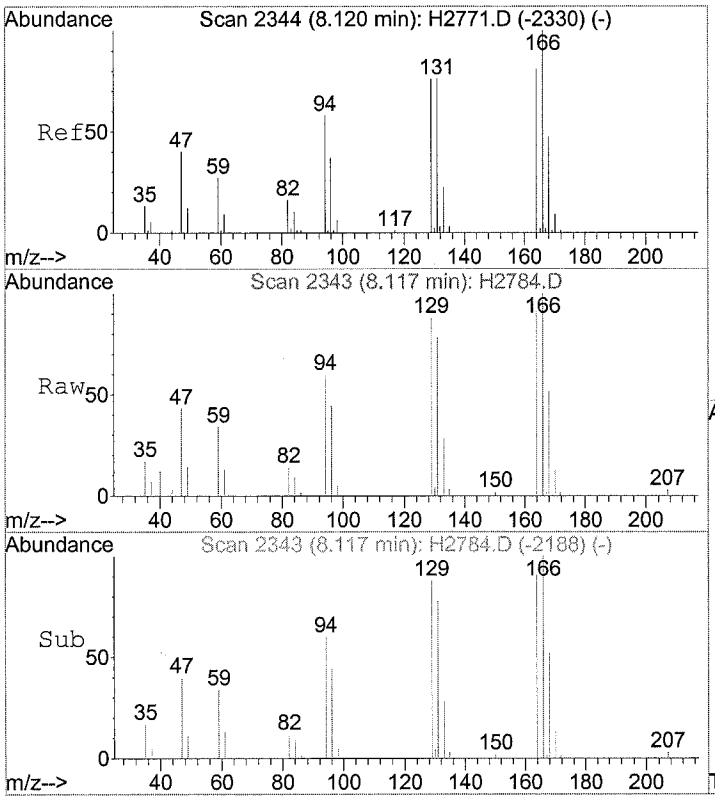


#13
Acetone
Concen: 10.8213 ug/L
RT: 2.54 min Scan# 607
Delta R.T. -0.00 min
Lab File: H2784.D
Acq: 13 Aug 2010 00:39

Tgt Ion: 43 Resp: 30846

Ion	Ratio	Lower	Upper
43	100		
58	27.1	9.3	49.3

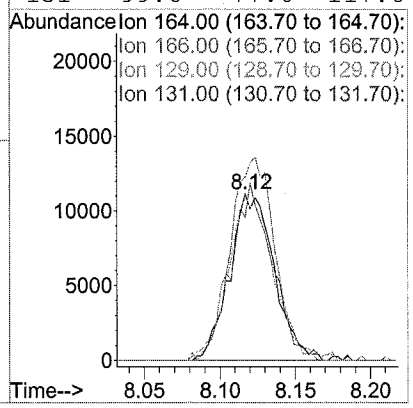




#46
Tetrachloroethene
Concen: 2.5289 ug/L
RT: 8.12 min Scan# 2343
Delta R.T. -0.00 min
Lab File: H2784.D
Acq: 13 Aug 2010 00:39

Tgt Ion:164 Resp: 22817

Ion	Ratio	Lower	Upper
164	100		
166	123.5	106.2	146.2
129	100.3	82.3	122.3
131	99.0	77.0	117.0



000000199

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\H2784.D
Acq On : 08/13/2010 0039
Sample : 0012602-06
Misc : F3KE7 25ML
MS Integration Params: Lscint.p

Vial: 31
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.172	154	183	245	rBV	4264605	19841872	100.00%	75.035%
2	1.510	282	288	300	rVB2	14858	23588	0.12%	0.089%
3	1.767	367	368	371	rBV2	2761	1469	0.01%	0.006%
4	1.844	382	392	401	rBV3	15439	26762	0.13%	0.101%
5	1.876	401	402	407	rVV3	4252	2540	0.01%	0.010%
6	2.223	509	510	515	rVB3	2498	1490	0.01%	0.006%
7	2.259	515	521	523	rBV5	2497	2579	0.01%	0.010%
8	2.291	528	531	536	rVB3	2433	1829	0.01%	0.007%
9	2.484	577	591	603	rBV	157915	269031	1.36%	1.017%
10	4.034	1059	1073	1091	rBV3	90619	218034	1.10%	0.825%
11	4.104	1093	1095	1101	rVV5	7869	7279	0.04%	0.028%
12	4.172	1104	1116	1137	rVV2	246809	476726	2.40%	1.803%
13	4.387	1170	1183	1204	rVB2	171832	330712	1.67%	1.251%
14	4.654	1262	1266	1267	rBV2	4076	2019	0.01%	0.008%
15	4.947	1336	1357	1377	rBV6	321025	790511	3.98%	2.989%
16	5.432	1493	1508	1530	rBV2	298721	577128	2.91%	2.182%
17	5.876	1633	1646	1665	rBV4	164737	338786	1.71%	1.281%
18	5.998	1682	1684	1688	rVB3	2874	1510	0.01%	0.006%
19	6.860	1938	1952	1966	rBV2	182483	352557	1.78%	1.333%
20	6.998	1992	1995	2001	rVB3	1824	1862	0.01%	0.007%
21	7.133	2032	2037	2041	rVB3	1630	1853	0.01%	0.007%
22	7.268	2063	2079	2093	rBV2	315483	633119	3.19%	2.394%
23	7.635	2180	2193	2206	rBV2	101434	192996	0.97%	0.730%
24	8.075	2325	2330	2331	rBV3	2520	1856	0.01%	0.007%
25	8.120	2331	2344	2356	rVV4	90165	183367	0.92%	0.693%
26	8.246	2368	2383	2401	rBV4	91068	212874	1.07%	0.805%
27	8.442	2438	2444	2445	rBV2	2455	1750	0.01%	0.007%
28	8.451	2445	2447	2450	rVV3	3521	2311	0.01%	0.009%
29	9.332	2705	2721	2743	rBV2	312386	645231	3.25%	2.440%
30	9.410	2743	2745	2752	rVB3	3414	2503	0.01%	0.009%
31	11.471	3372	3386	3399	rVB3	60697	122219	0.62%	0.462%
32	11.866	3498	3509	3522	rVB4	27291	55546	0.28%	0.210%
33	12.872	3811	3822	3835	rBB	416021	595639	3.00%	2.252%
34	12.998	3854	3861	3871	rBV6	20749	31579	0.16%	0.119%
35	13.229	3925	3933	3940	rBV3	20506	29340	0.15%	0.111%
36	13.281	3940	3949	3962	rVB	326308	438170	2.21%	1.657%
37	13.972	4156	4164	4171	rVB2	9661	12358	0.06%	0.047%
38	14.689	4381	4387	4396	rBV3	7453	8895	0.04%	0.034%
39	15.747	4713	4716	4724	rVB3	2391	1939	0.01%	0.007%

000000200

40	18.589	5596	5600	5604	rVB2	1944	1717	0.01%	0.006%

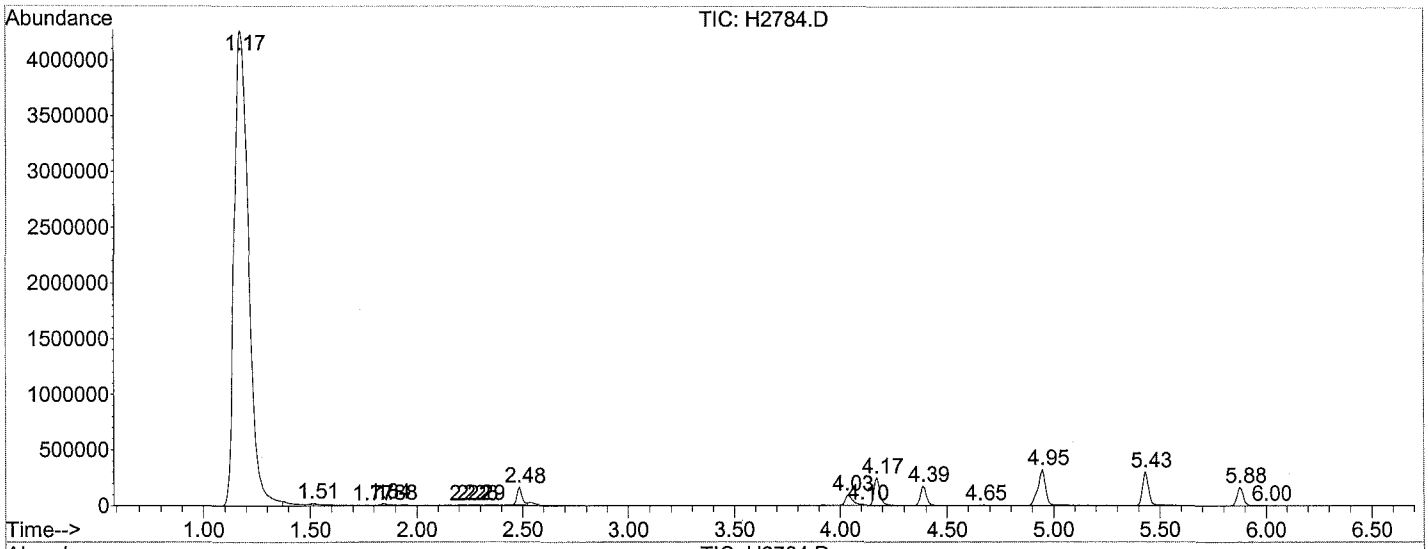
Sum of corrected areas: 26443546

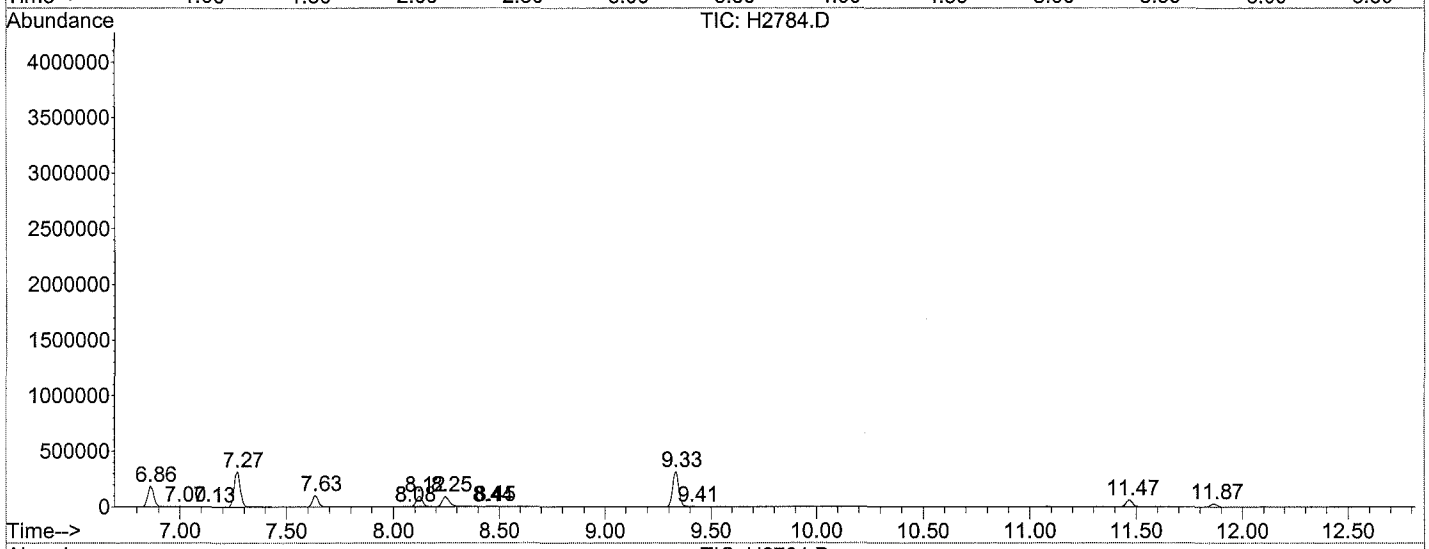
000000201

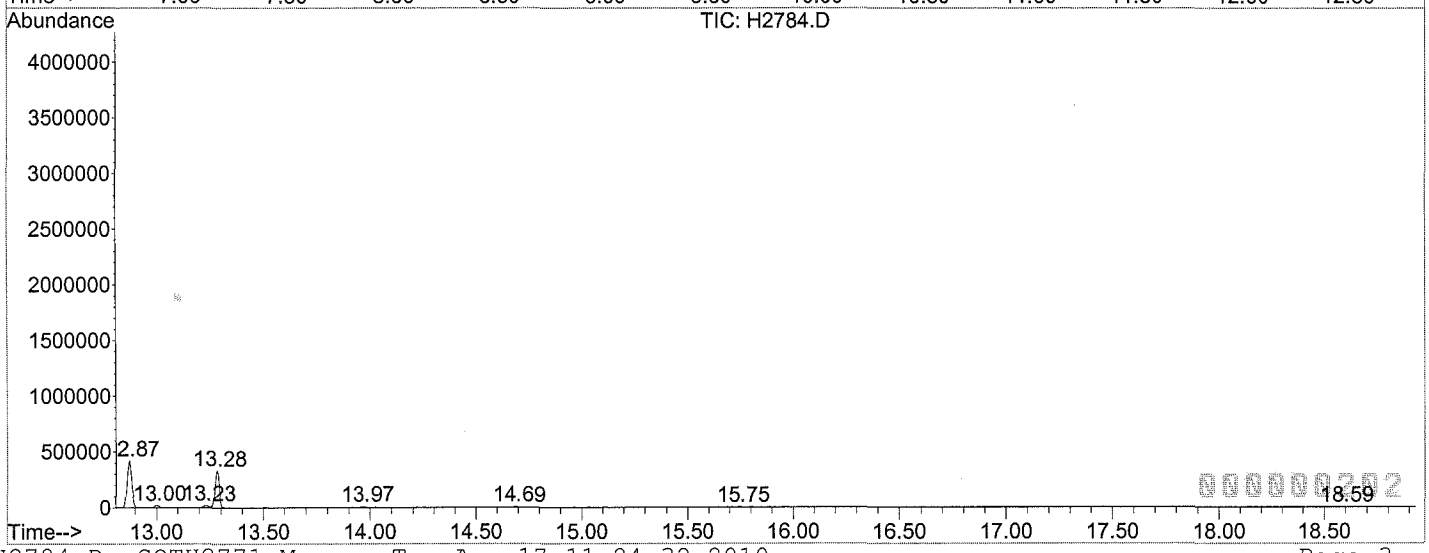
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\H2784.D
Acq On : 08/13/2010 0039
Sample : 0012602-06
Misc : F3KE7 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

Vial: 31
Operator: AC
Inst : H-5975
Multiplr: 1.00







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2784.D
Acq On : 08/13/2010 0039
Sample : 0012602-06
Misc : F3KE7 25ML
MS Integration Params: Lscint.p

Vial: 31
Operator: AC
Inst : H-5975
Multiplr: 1.00

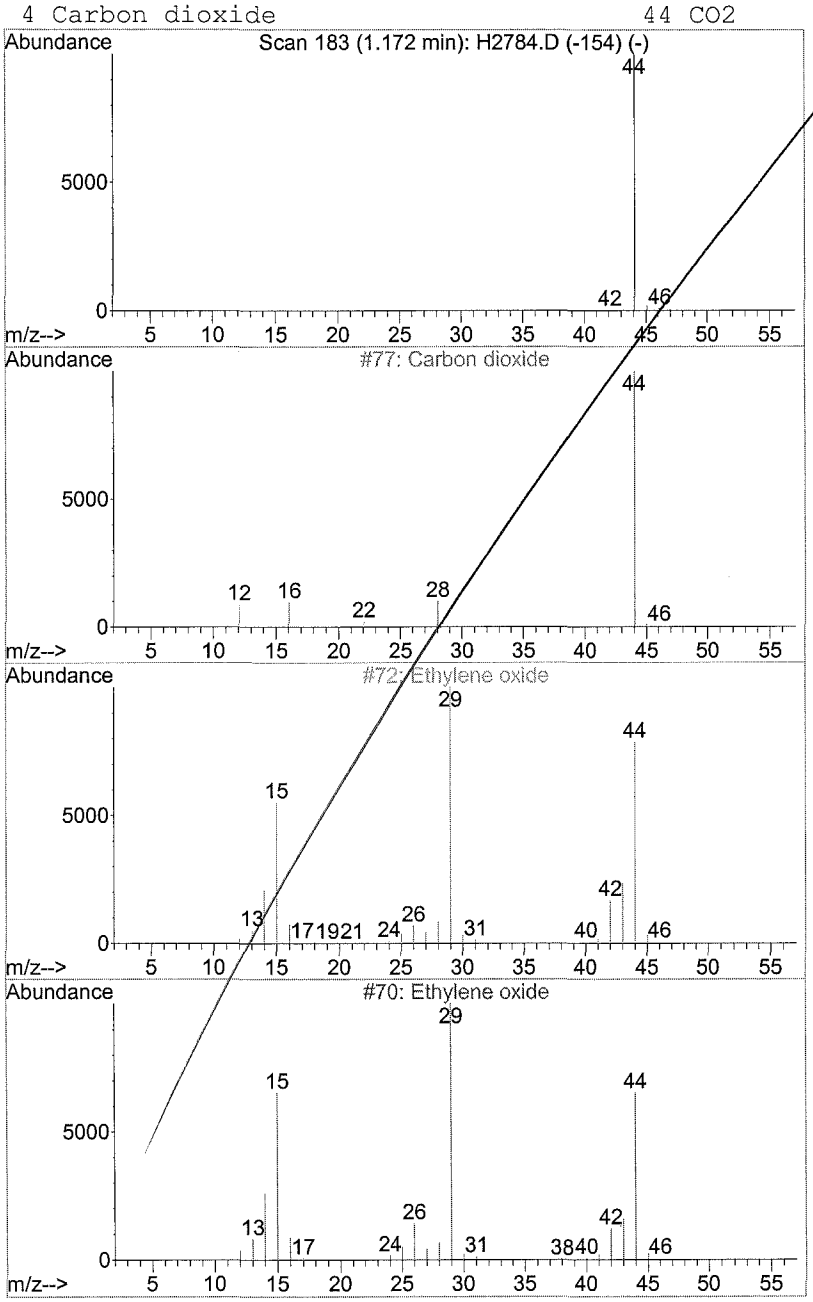
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

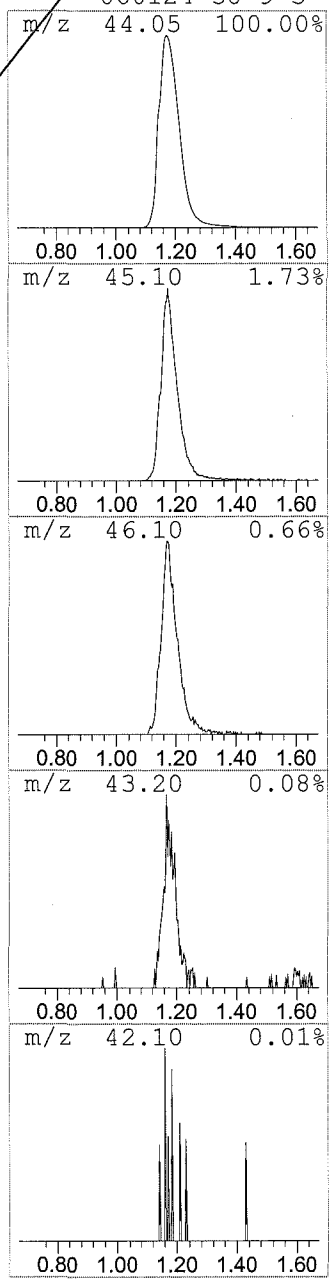
****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.17	171.90 ug/L	19841900	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3





000000203

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2784.D
Acq On : 08/13/2010 0039
Sample : 0012602-06
Misc : F3KE7 25ML
MS Integration Params: Lscint.p

Vial: 31
Operator: AC
Inst : H-5975
Multiplr: 1.00

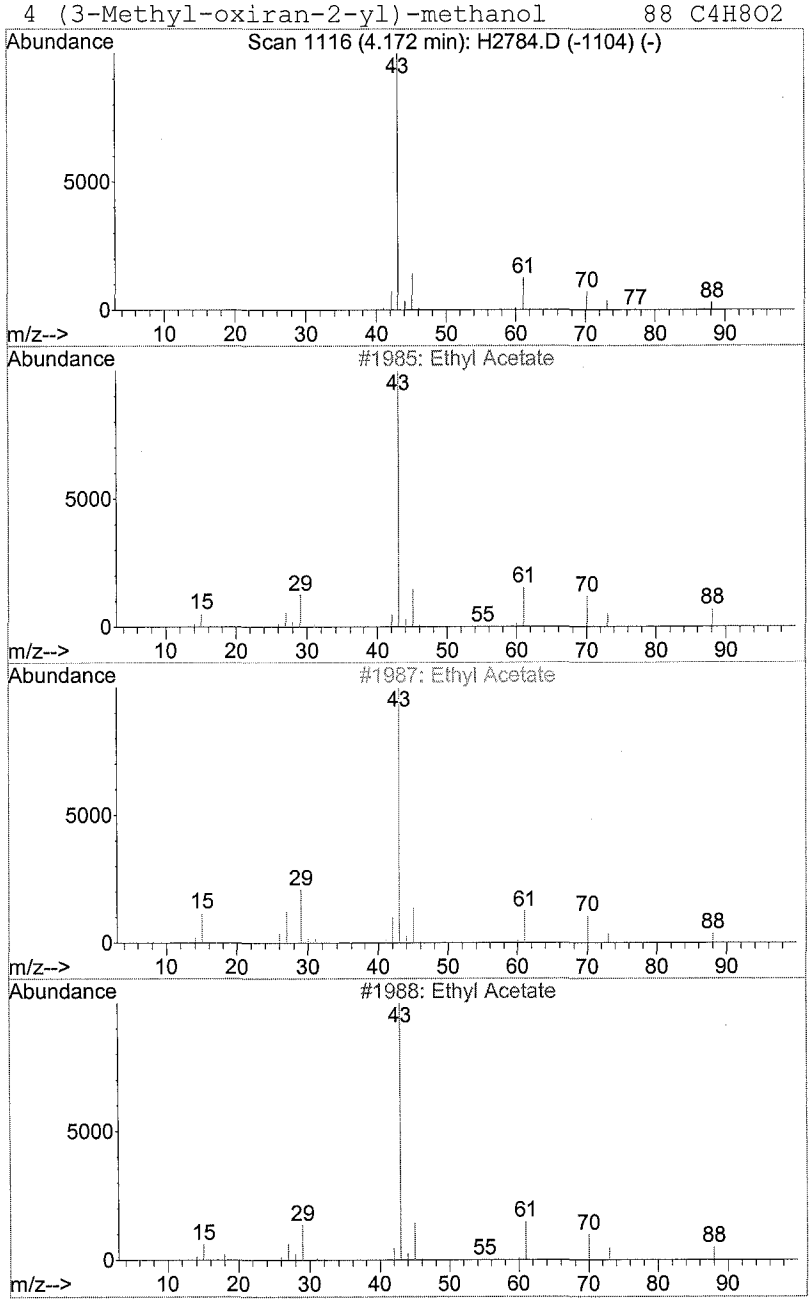
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

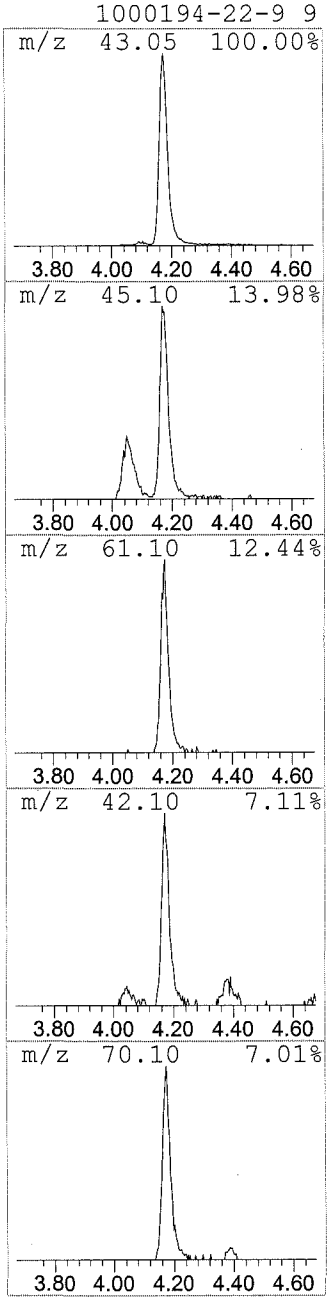
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	4.13 ug/L	476726	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	72
2	Ethyl Acetate	88	C4H8O2	000141-78-6	64
3	Ethyl Acetate	88	C4H8O2	000141-78-6	56
4	(3-Methyl-oxiran-2-yl)-methanol	88	C4H8O2	1000194-22-9	9





000000204

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2784.D
Acq On : 08/13/2010 0039
Sample : 0012602-06
Misc : F3KE7 25ML
MS Integration Params: Lscint.p

Vial: 31
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

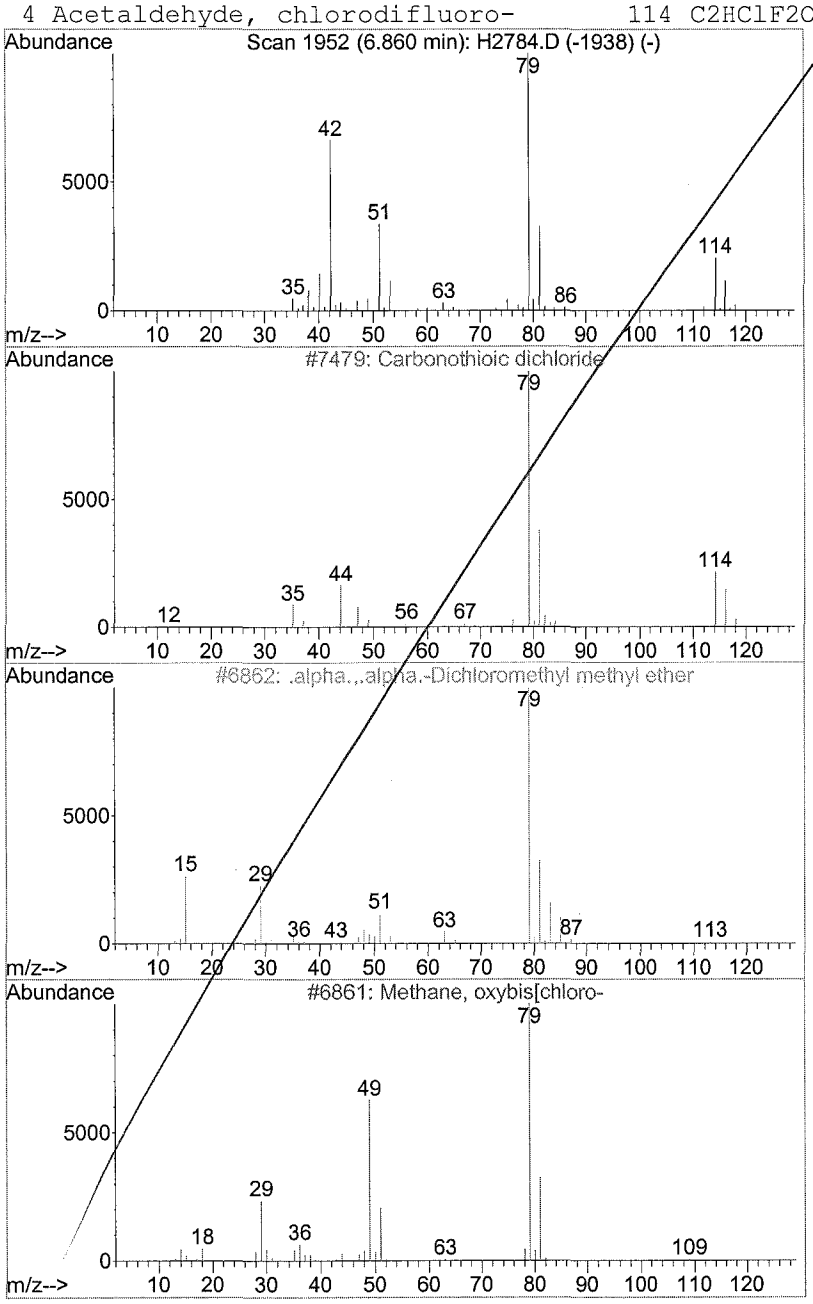
****

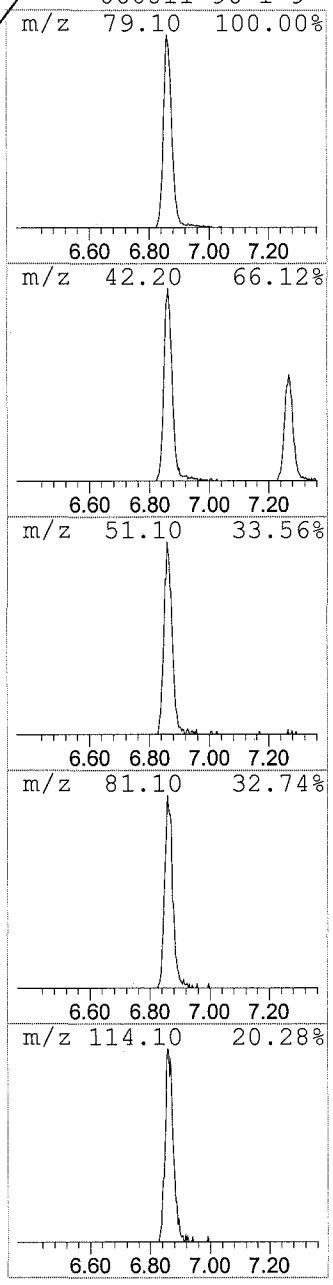
Peak Number 3 Carbonothioic dichloride Concentration Rank 3

DMC

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.05 ug/L	352557	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	38
2	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	37
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	37
4	Acetaldehyde, chlorodifluoro-	114	C2HClF2O	000811-96-1	9





000000205

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 00:39
Data File: C:\MSDCHEM\1\DATA\H2784.D
Name: 0012602-06
Misc: F3KE7 25ML
Method: C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title: CLP SOM01.2-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard---| #	RT	Resp	Conc|
Carbon dioxide	1.17	171.9	ug/L	19841900	1	5.43	577128	5.0
Ethyl Acetate	4.17	4.1	ug/L	476726	1	5.43	577128	5.0
Carbonothioic dic...	6.86	3.1	ug/L	352557	1	5.43	577128	5.0

000000206

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-07

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3985.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	13	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.22	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-07

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3985.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.0	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KE8

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-07

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3985.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.33	3.4	JN
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3985.D
Acq On : 08/13/2010 1137
Sample : 0012602-07
Misc : F3KE8 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:51:37 2010

Vial: 34
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	183828	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.70	117	153610	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	73401	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.42	65	56679	6.1434 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 122.87%		
7) Chloroethane-d5	2.82	69	55866	6.6514 ug/L	0.02
Spiked Amount 5.0000	Range 71 - 131		Recovery = 133.03%#		
10) 1,1-Dichloroethene-d2	3.55	63	68674	4.2034 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 84.07%		
20) 2-Butanone-d5	5.23	46	26008	31.0596 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 62.12%		
24) Chloroform-d	5.59	84	87097	4.7761 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 95.52%		
26) 1,2-Dichloroethane-d4	6.18	65	38036	3.7409 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 74.82%#		
32) Benzene-d6	6.20	84	199032	5.5445 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 110.89%		
35) 1,2-Dichloropropane-d6	7.17	67	50057	4.3119 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 86.24%		
41) Toluene-d8	8.57	98	185447	5.3125 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 106.25%		
43) trans-1,3-Dichloropropene-	8.93	79	40999	3.9275 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 78.55%		
47) 2-Hexanone-d5	9.53	63	19361	31.5802 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 63.16%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	24064	3.0223 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 60.45%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	51362	4.8246 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 96.49%		

Target Compounds					Qvalue
13) Acetone	3.61	43	25455	13.0780 ug/L	97
16) Methylene Chloride	4.02	84	2204	0.2169 ug/L	94
46) Tetrachloroethene	9.44	164	20565	2.0391 ug/L	99

000000210

(#) = qualifier out of range (m) = manual integration (+) = signals summed

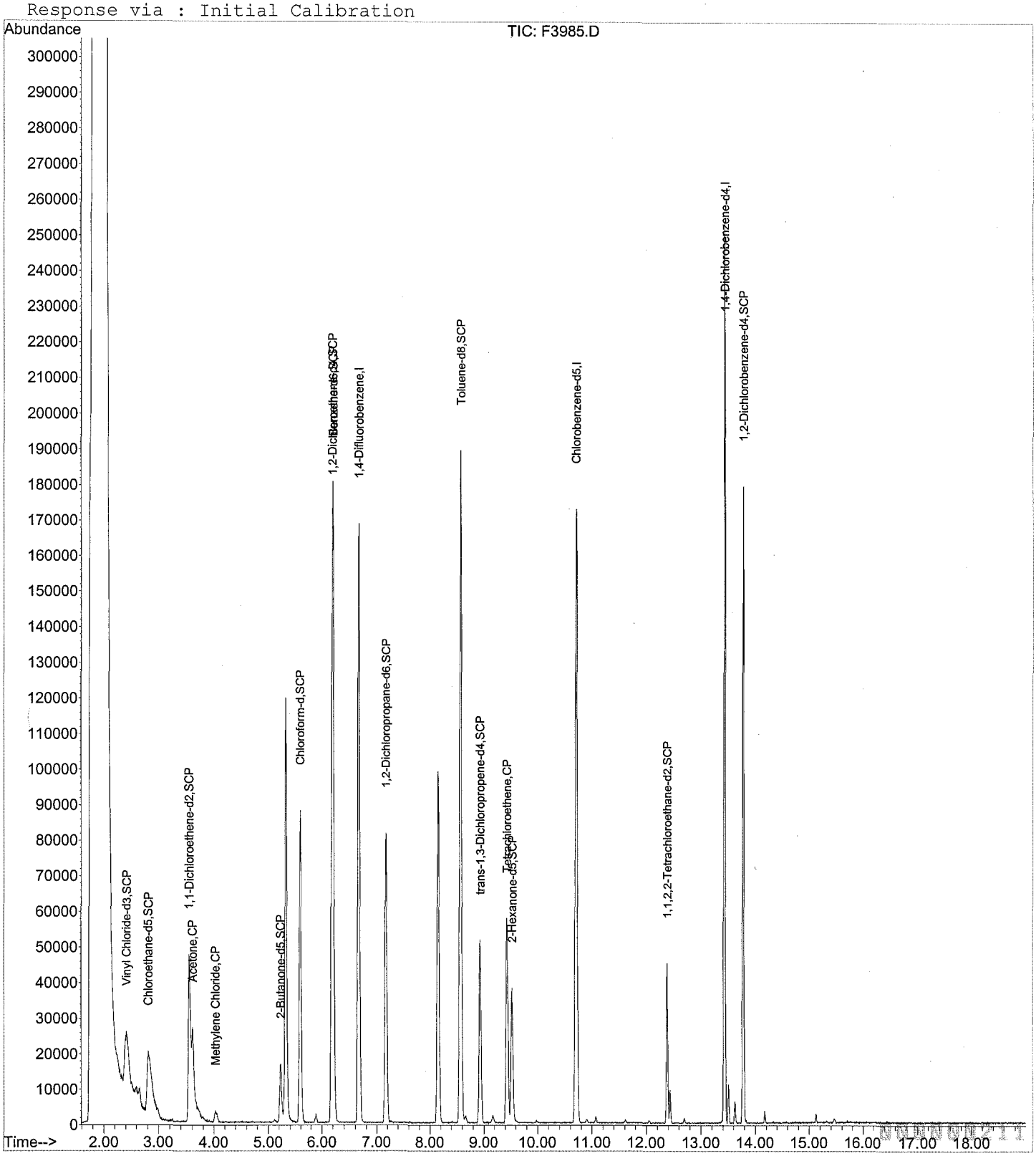
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3985.D
Acq On : 08/13/2010 1137
Sample : 0012602-07
Misc : F3KE8 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:52 2010

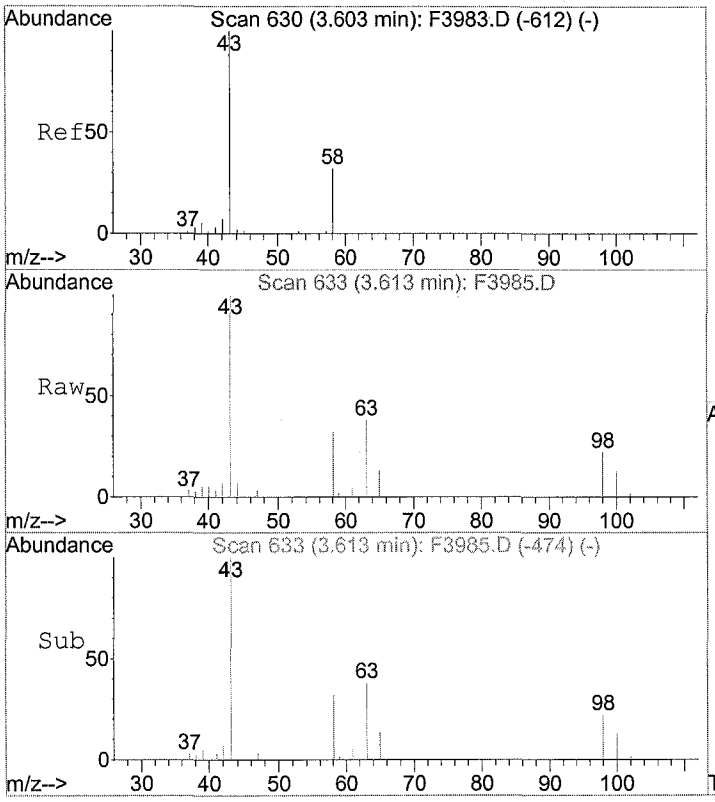
Vial: 34
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



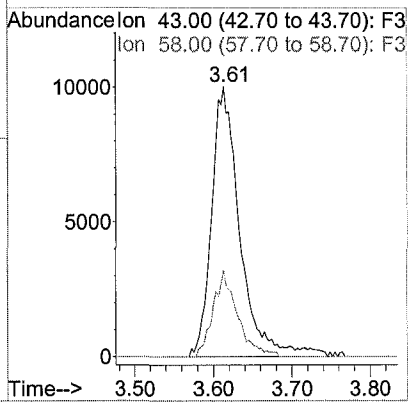
Data File : C:\MSDCHEM\1\DATA\F3985.D Vial: 34
Acq On : 08/13/2010 1137 Operator: AC
Sample : 0012602-07 Inst : F-5973
Misc : F3KE8 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

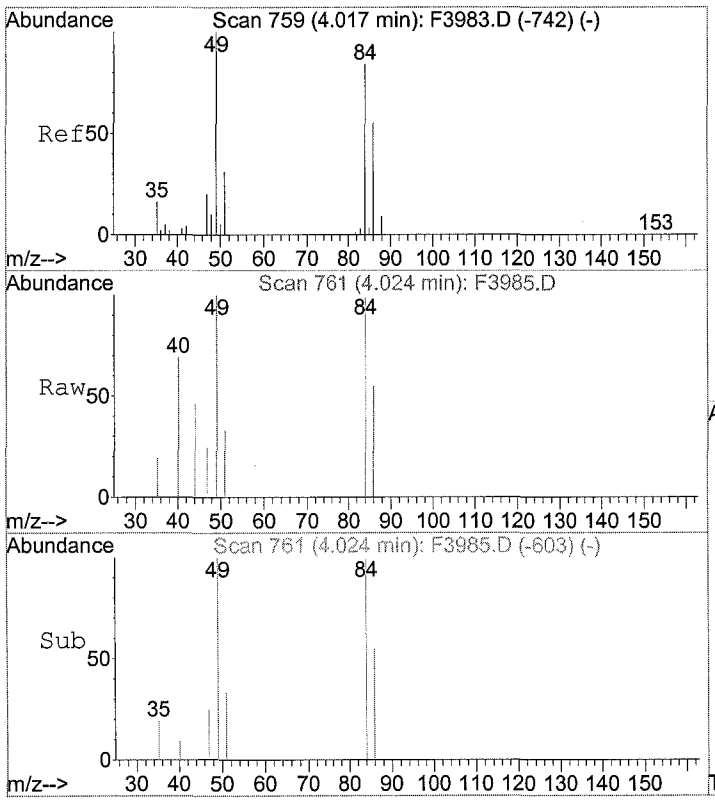


#13
Acetone
Concen: 13.0780 ug/L
RT: 3.61 min Scan# 633
Delta R.T. 0.01 min
Lab File: F3985.D
Acq: 13 Aug 2010 11:37

Tgt Ion: 43 Resp: 25455

Ion	Ratio	Lower	Upper
43	100		
58	27.6	9.3	49.3

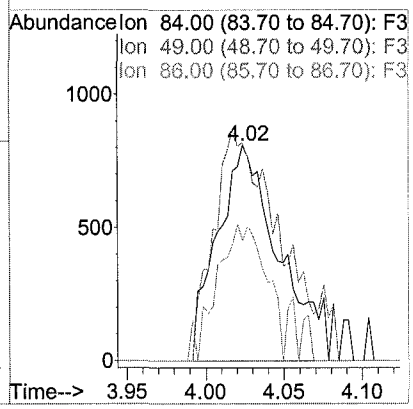




#16
Methylene Chloride
Concen: 0.2169 ug/L
RT: 4.02 min Scan# 761
Delta R.T. 0.01 min
Lab File: F3985.D
Acq: 13 Aug 2010 11:37

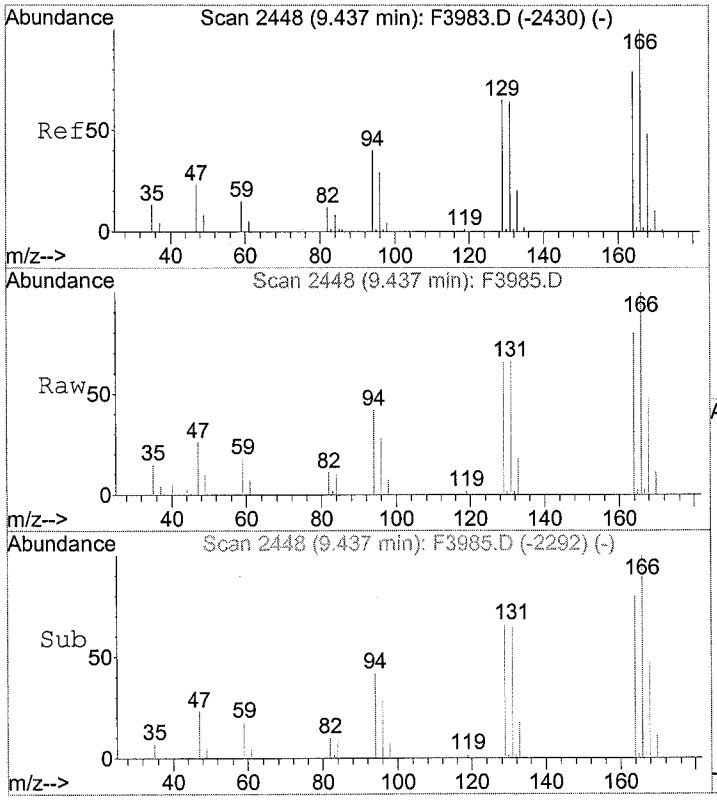
Tgt Ion: 84 Resp: 2204

Ion	Ratio	Lower	Upper
84	100		
49	117.4	97.6	137.6
86	51.0	44.0	84.0



000000212

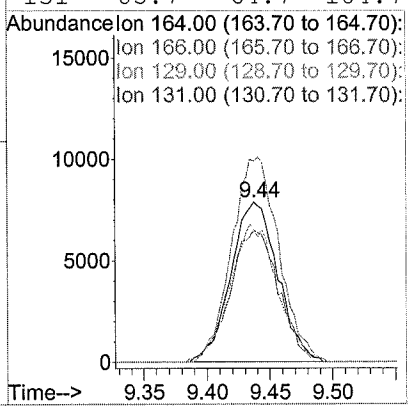
Data File : C:\MSDCHEM\1\DATA\F3985.D Vial: 34
Acq On : 08/13/2010 1137 Operator: AC
Sample : 0012602-07 Inst : F-5973
Misc : F3KE8 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML



#46
Tetrachloroethene
Concen: 2.0391 ug/L
RT: 9.44 min Scan# 2448
Delta R.T. 0.00 min
Lab File: F3985.D
Acq: 13 Aug 2010 11:37

Tgt Ion:164 Resp: 20565

Ion	Ratio	Lower	Upper
164	100		
166	129.6	108.7	148.7
129	86.5	68.9	108.9
131	85.7	64.7	104.7



000000213

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3985.D
Acq On : 08/13/2010 1137
Sample : 0012602-07
Misc : F3KE8 25ML
MS Integration Params: Lscint.p

Vial: 34
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.5

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.973	36	122	368	rBV	4871042	34775972	100.00%	88.579%
2	2.814	368	384	449	rVV4	19885	140464	0.40%	0.358%
3	3.026	449	450	494	rVB2	1483	5054	0.01%	0.013%
4	3.549	599	613	709	rVB3	46919	225015	0.65%	0.573%
5	4.027	749	762	783	rVB8	3228	10201	0.03%	0.026%
6	5.115	1094	1101	1108	rBV3	721	1058	0.00%	0.003%
7	5.227	1121	1136	1152	rBV2	16482	41837	0.12%	0.107%
8	5.327	1152	1167	1204	rVV	119385	282695	0.81%	0.720%
9	5.452	1204	1206	1220	rVB2	646	1000	0.00%	0.003%
10	5.593	1233	1250	1270	rBV2	87575	215184	0.62%	0.548%
11	5.888	1333	1342	1363	rVB4	2553	4803	0.01%	0.012%
12	6.203	1418	1440	1477	rBV3	180277	509755	1.47%	1.298%
13	6.665	1565	1584	1619	rVB2	168431	411219	1.18%	1.047%
14	7.172	1724	1742	1763	rBV2	81409	213134	0.61%	0.543%
15	8.151	2030	2047	2073	rVB3	98819	250075	0.72%	0.637%
16	8.571	2157	2178	2223	rVB2	189117	477483	1.37%	1.216%
17	8.930	2271	2290	2311	rVB2	51481	126099	0.36%	0.321%
18	9.168	2359	2364	2380	rVB3	2097	4083	0.01%	0.010%
19	9.437	2430	2448	2464	rBV3	57765	150454	0.43%	0.383%
20	9.530	2464	2477	2495	rVB2	37491	92826	0.27%	0.236%
21	10.705	2823	2843	2867	rVB2	172566	451738	1.30%	1.151%
22	10.904	2899	2905	2919	rVB4	895	1812	0.01%	0.005%
23	11.071	2949	2957	2968	rVB3	1851	2912	0.01%	0.007%
24	12.046	3257	3261	3270	rVB4	848	1398	0.00%	0.004%
25	12.380	3350	3365	3375	rBV	45020	80536	0.23%	0.205%
26	12.438	3375	3383	3399	rVB3	9391	15056	0.04%	0.038%
27	12.694	3455	3463	3481	rVB4	1572	2948	0.01%	0.008%
28	13.429	3678	3692	3706	rVB	253692	426581	1.23%	1.087%
29	13.503	3706	3715	3725	rBV5	10867	16057	0.05%	0.041%
30	13.628	3744	3754	3766	rBV3	6101	9632	0.03%	0.025%
31	13.779	3788	3801	3814	rBV	179005	298200	0.86%	0.760%
32	14.171	3916	3923	3937	rVB2	3450	4472	0.01%	0.011%
33	15.127	4216	4221	4230	rVB3	2686	3344	0.01%	0.009%
34	15.457	4320	4324	4335	rVB2	1266	2205	0.01%	0.006%
35	16.067	4512	4514	4530	rVB3	573	1042	0.00%	0.003%
36	17.594	4980	4990	4998	rVB2	549	1195	0.00%	0.003%
37	17.835	5061	5065	5079	rVB3	528	1146	0.00%	0.003%
38	18.634	5300	5314	5323	rVB3	426	1090	0.00%	0.003%

000000214

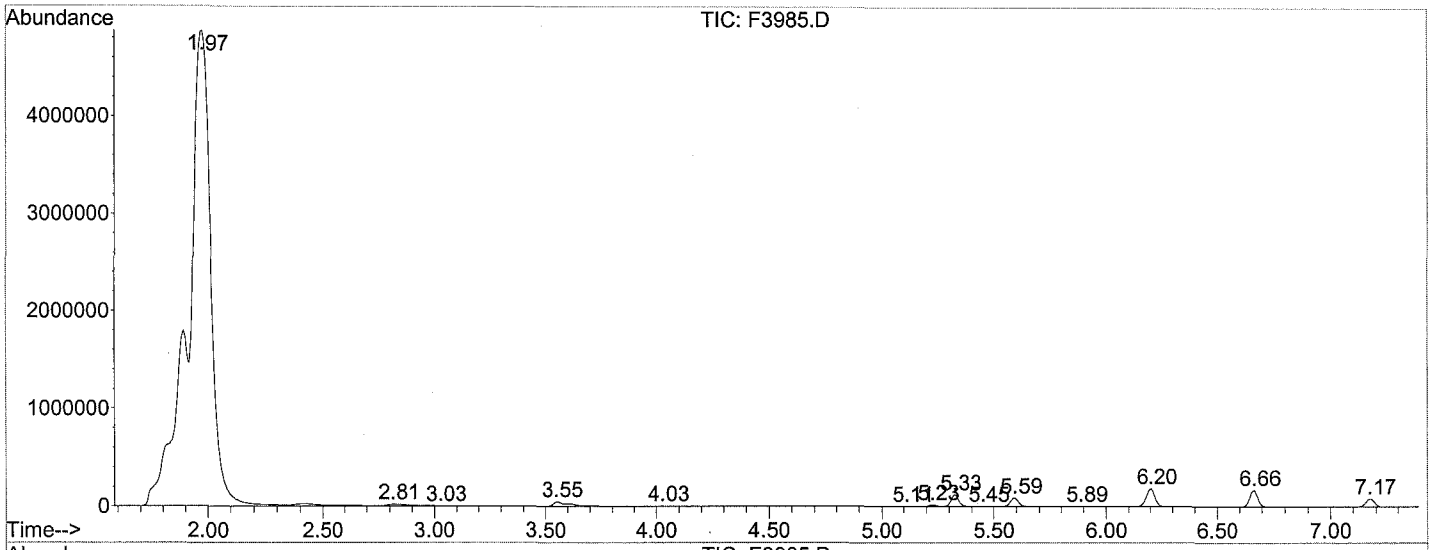
Sum of corrected areas: 39259775

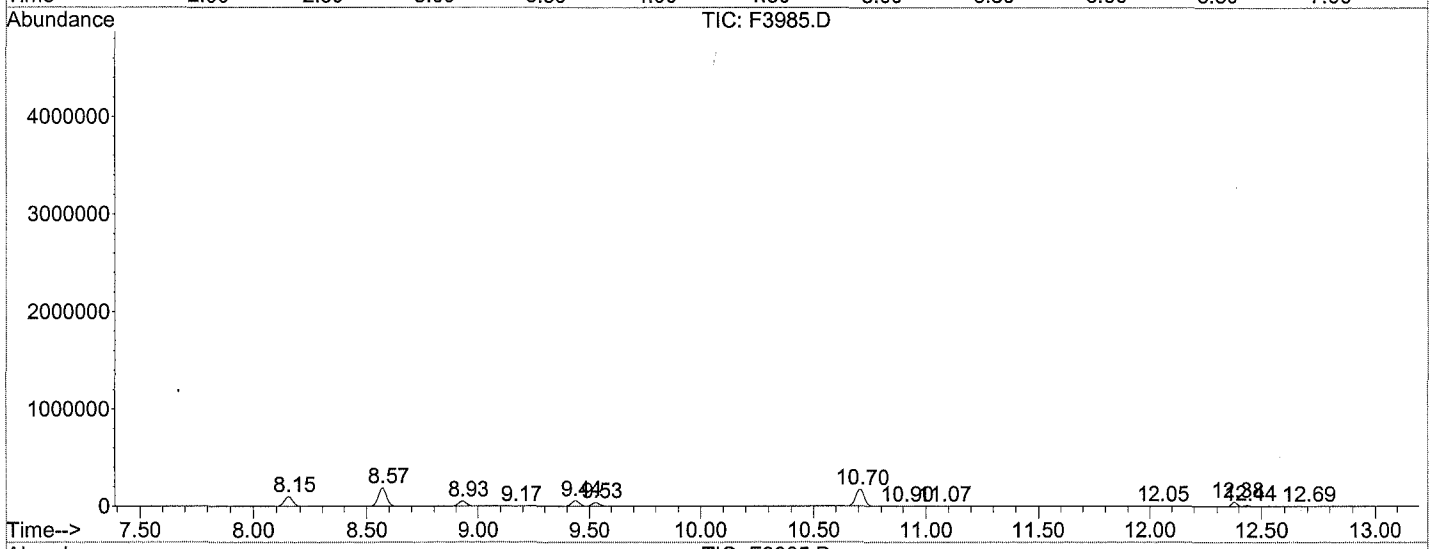
000000215

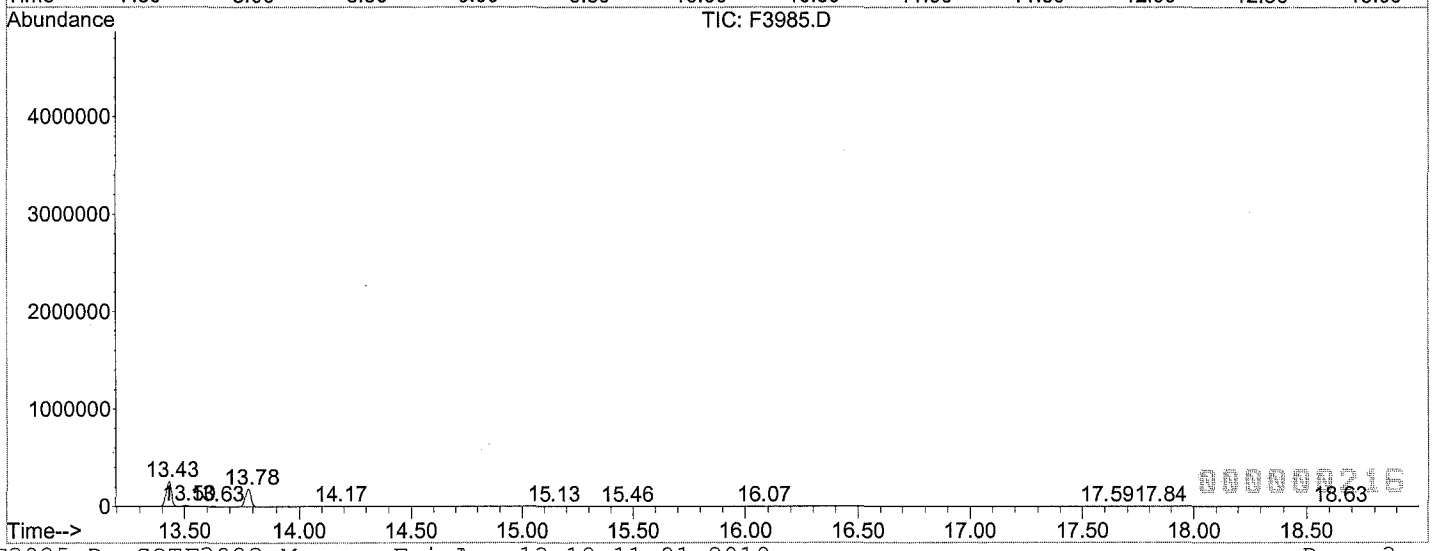
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3985.D
Acq On : 08/13/2010 1137
Sample : 0012602-07
Misc : F3KE8 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 34
Operator: AC
Inst : F-5973
Multiplr: 1.00







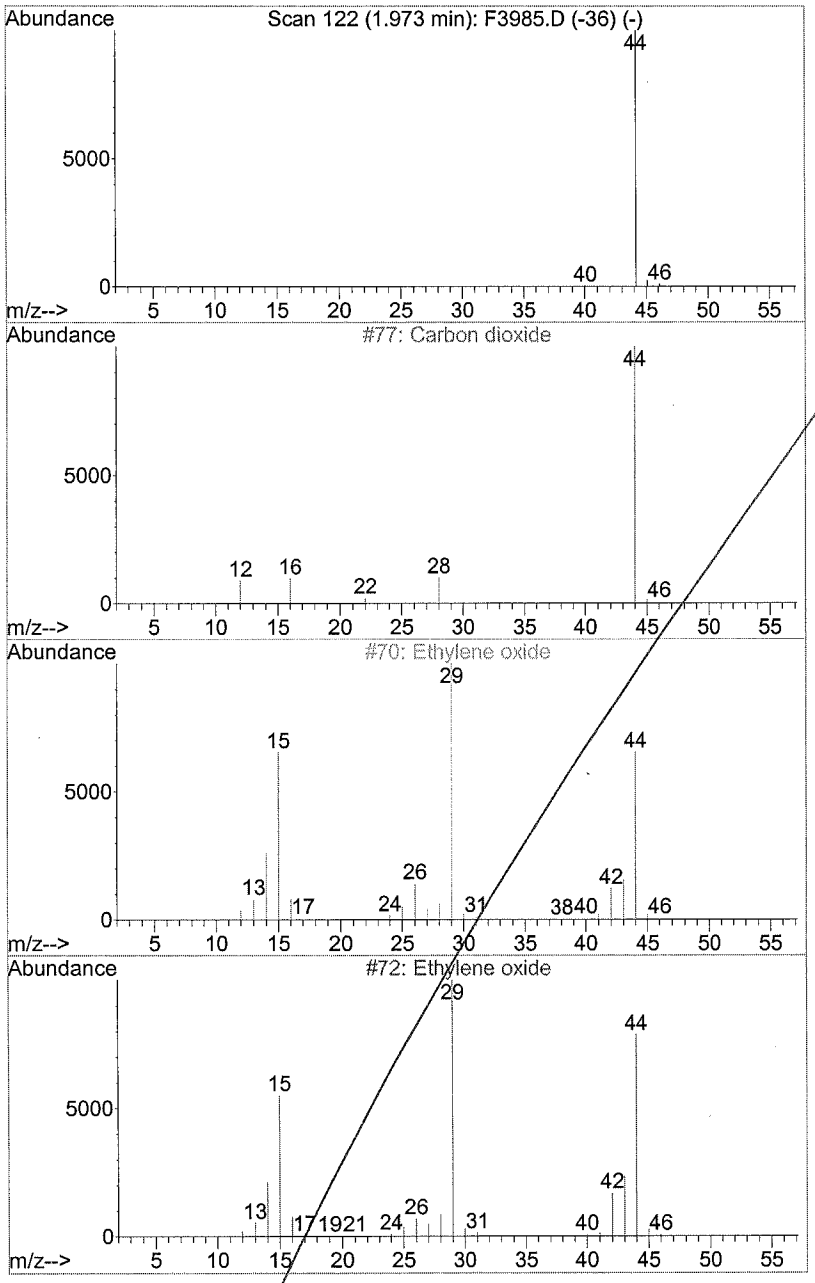
000000216

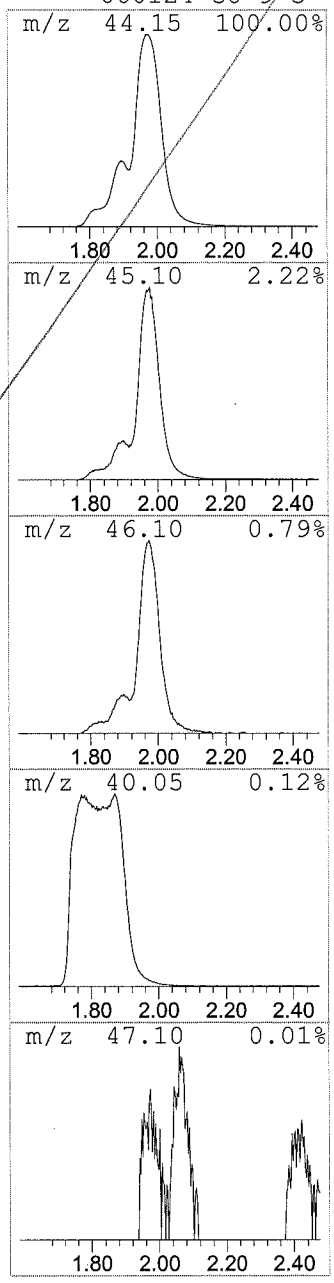
Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\F3985.D                    Vial: 34
   Acq On    : 08/13/2010  1137                         Operator: AC
   Sample    : 0012602-07                               Inst    : F-5973
   Misc      : F3KE8    25ML                            Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
*****************************************************************
Peak Number  1  Carbon dioxide                  Concentration Rank  1
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.97	422.84 ug/L	34776000	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3





000000217

Library Search Compound Report

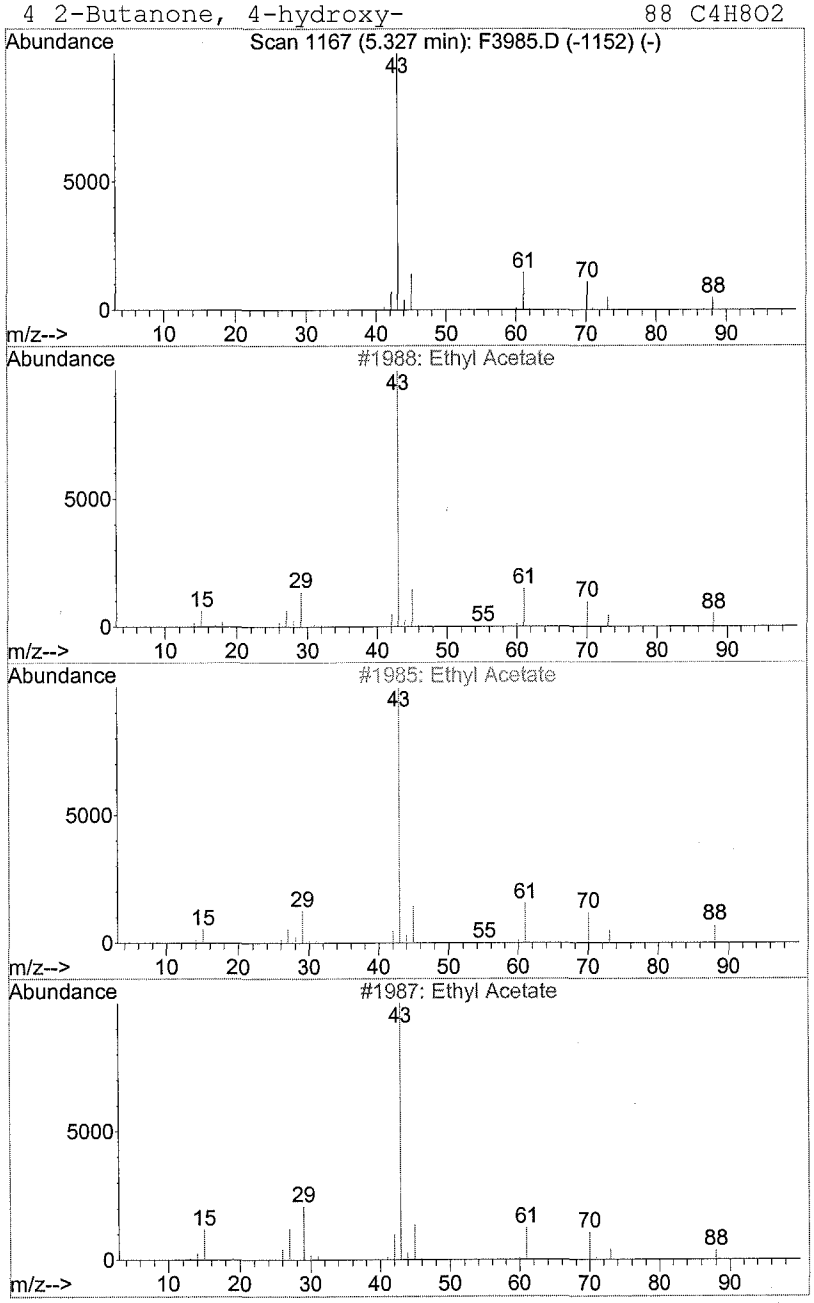
```
   Data File : C:\MSDCHEM\1\DATA\F3985.D                    Vial: 34
   Acq On    : 08/13/2010  1137                         Operator: AC
   Sample    : 0012602-07                               Inst    : F-5973
   Misc      : F3KE8    25ML                            Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
```

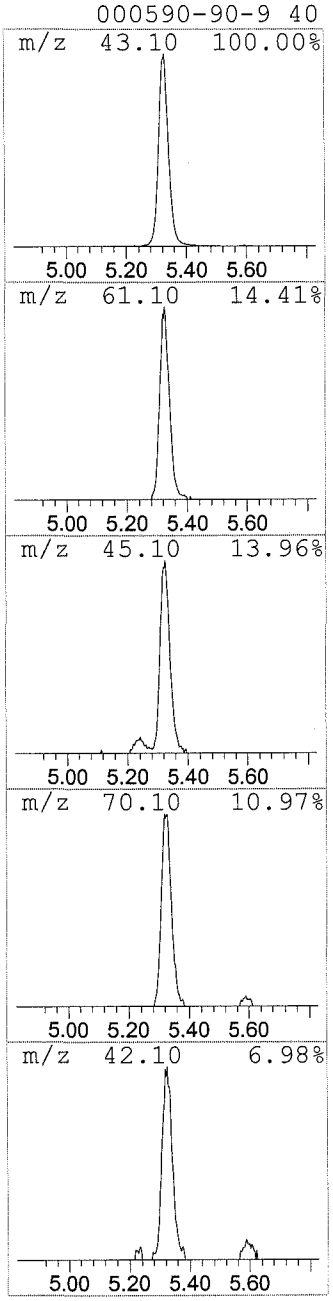
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.33	3.44 ug/L	282695	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	86
3	Ethyl Acetate	88	C4H8O2	000141-78-6	64
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	40





000000218

Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\F3985.D                    Vial: 34
   Acq On    : 08/13/2010  1137                         Operator: AC
   Sample    : 0012602-07                               Inst    : F-5973
   Misc      : F3KE8    25ML                            Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
```

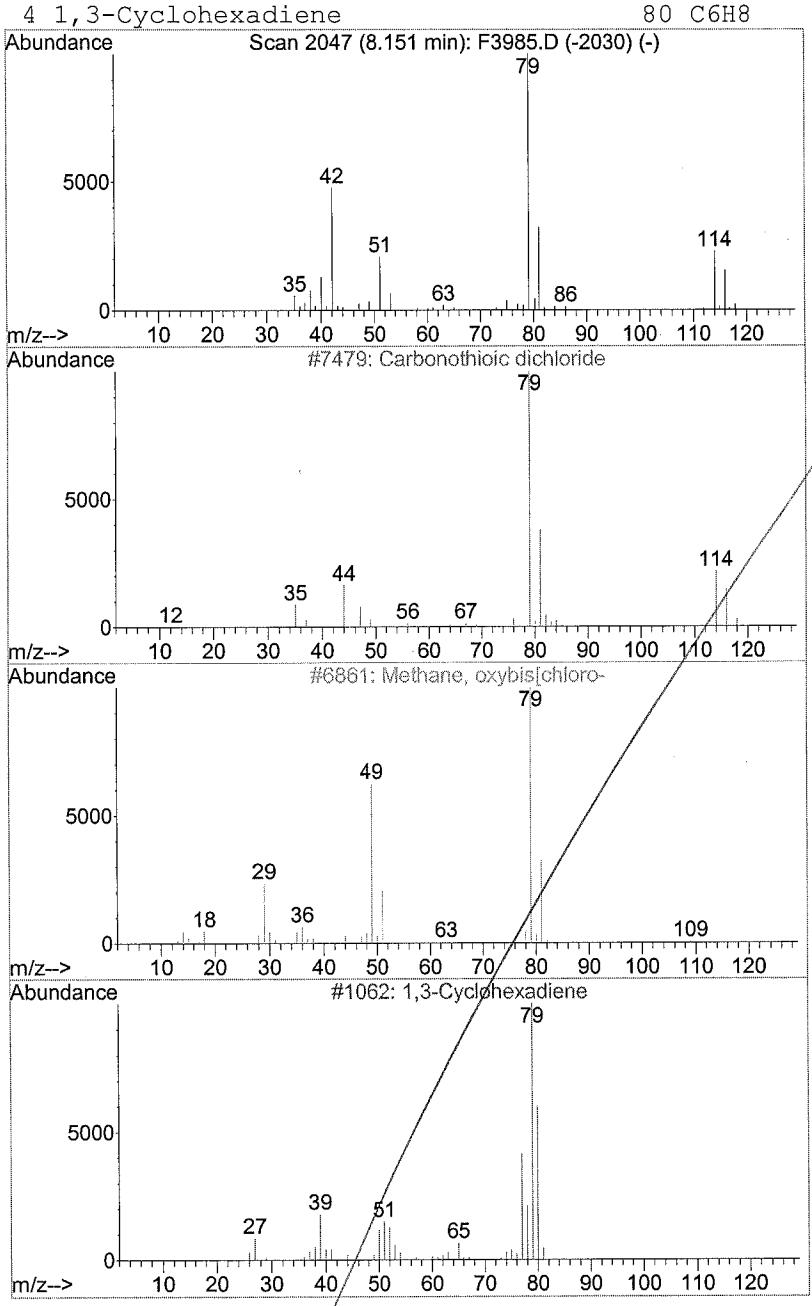
****

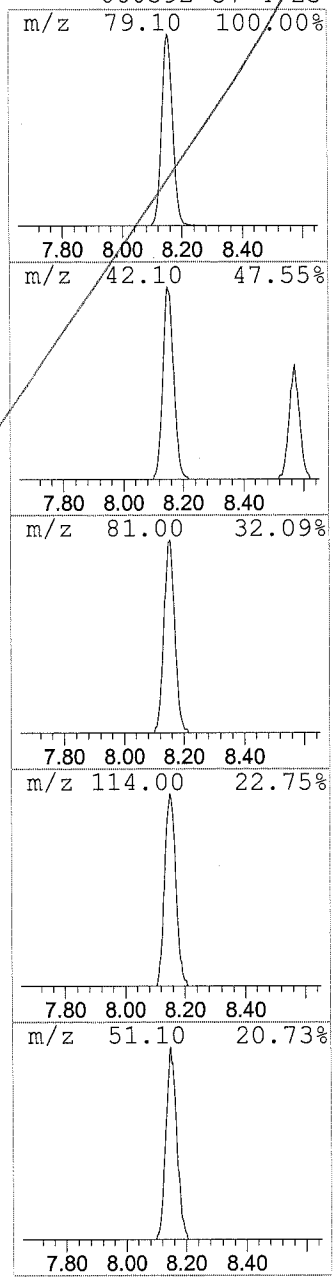
Peak Number 3 Carbonothioic dichloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.04 ug/L	250075	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	47
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	38
3	1,3-Cyclohexadiene	80	C6H8	000592-57-4	37
4	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25

Due analyst





000000219

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 11:37
Data File: C:\MSDCHEM\1\DATA\F3985.D
Name: 0012602-07
Misc: F3KE8 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.97	422.8	ug/L	34776000	1	6.66	411219	5.0
Ethyl Acetate	5.33	3.4	ug/L	282695	1	6.66	411219	5.0
Carbonothioic dic...	8.15	3.0	ug/L	250075	1	6.66	411219	5.0

000000220

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-08

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3986.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	11	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.67	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-08

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3986.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	1.6	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KE9

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-08

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3986.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.32	3.5	JN
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3986.D
Acq On : 08/13/2010 1208
Sample : 0012602-08
Misc : F3KE9 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:01:41 2010

Vial: 35
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	198382	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	164330	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	76514	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	57984	5.8238 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 116.48%		
7) Chloroethane-d5	2.82	69	59934	6.6122 ug/L	0.02
Spiked Amount 5.0000	Range 71 - 131		Recovery = 132.24%#		
10) 1,1-Dichloroethene-d2	3.55	63	75298	4.2707 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 85.41%		
20) 2-Butanone-d5	5.22	46	32203	35.6364 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 71.27%		
24) Chloroform-d	5.59	84	94009	4.7769 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 95.54%		
26) 1,2-Dichloroethane-d4	6.18	65	43220	3.9389 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 78.78%		
32) Benzene-d6	6.20	84	215616	5.6147 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 112.29%		
35) 1,2-Dichloropropane-d6	7.17	67	54132	4.3587 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 87.17%		
41) Toluene-d8	8.57	98	201334	5.3913 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 107.83%		
43) trans-1,3-Dichloropropene-	8.93	79	44467	3.9819 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 79.64%		
47) 2-Hexanone-d5	9.53	63	24007	36.6039 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 73.21%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	26795	3.1457 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 62.91%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	54288	4.8920 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 97.84%		

Target Compounds					Qvalue
13) Acetone	3.61	43	23485	11.1807 ug/L	98
16) Methylene Chloride	4.02	84	7382	0.6731 ug/L	95
46) Tetrachloroethene	9.44	164	17797	1.6495 ug/L	99

000000224

(#) = qualifier out of range (m) = manual integration (+) = signals summed

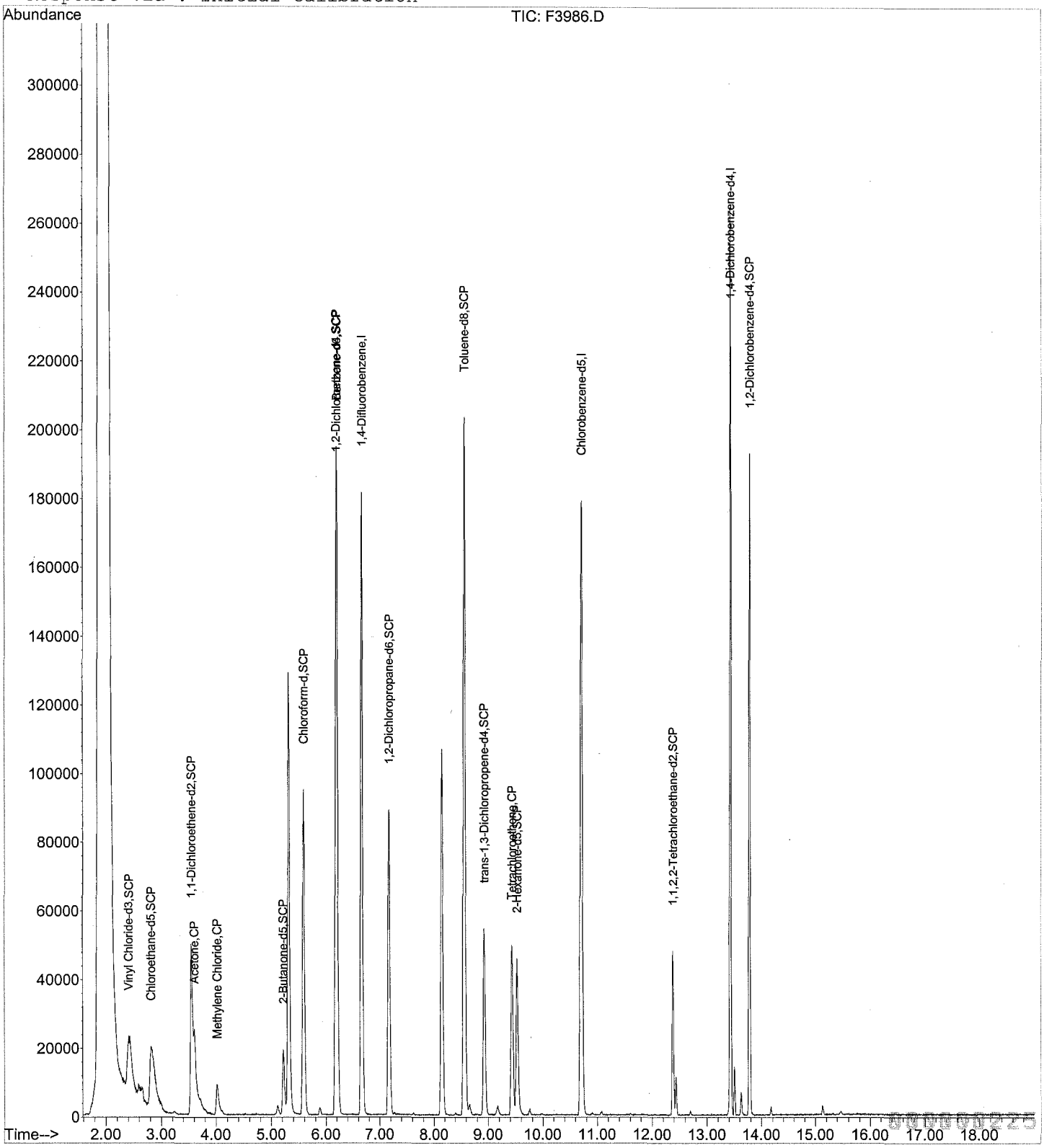
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3986.D
Acq On : 08/13/2010 1208
Sample : 0012602-08
Misc : F3KE9 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:53 2010

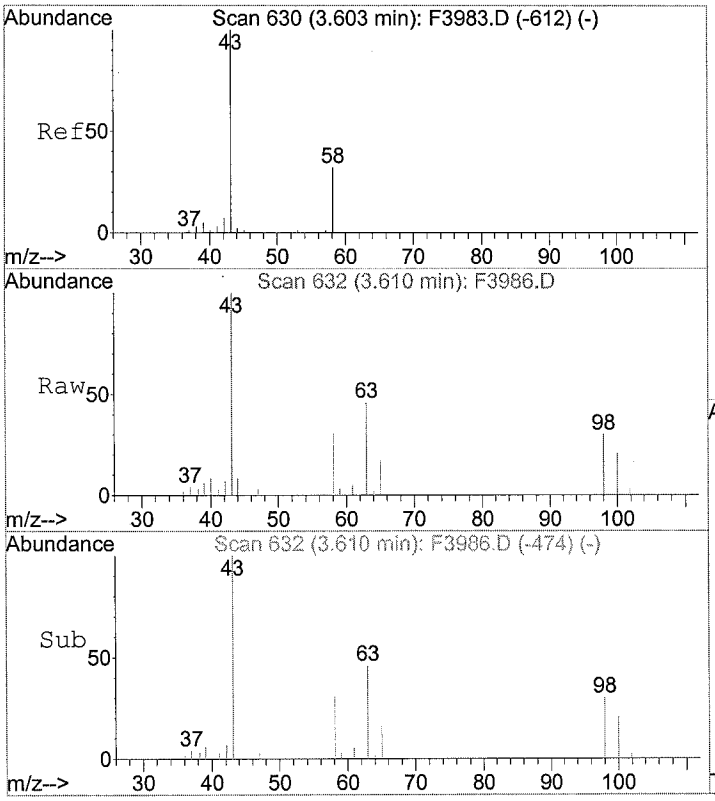
Vial: 35
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



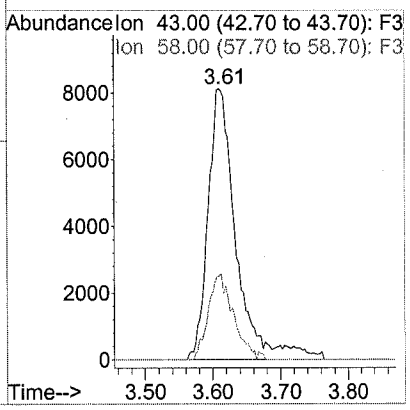
Data File : C:\MSDCHEM\1\DATA\F3986.D Vial: 35
Acq On : 08/13/2010 1208 Operator: AC
Sample : 0012602-08 Inst : F-5973
Misc : F3KE9 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

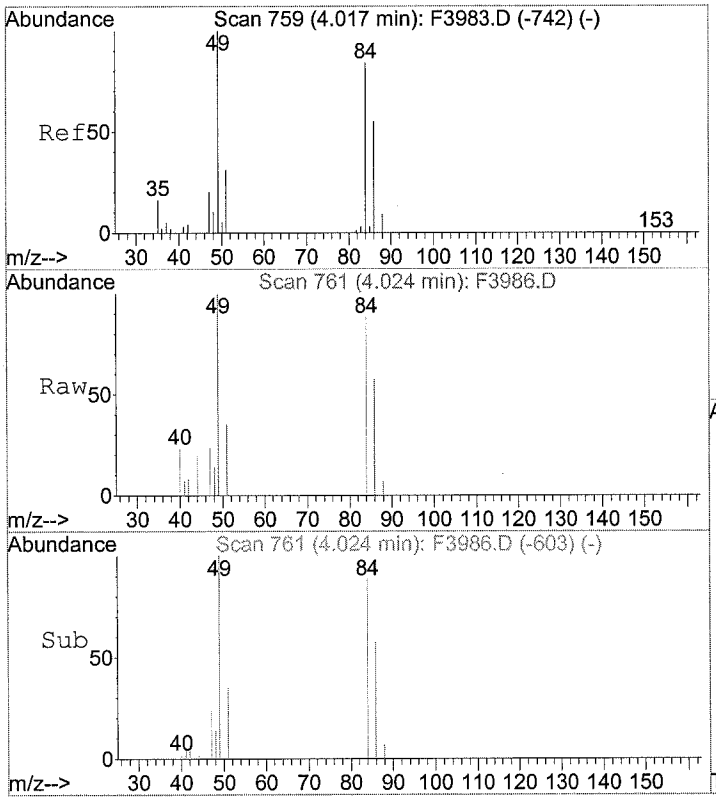


#13
Acetone
Concen: 11.1807 ug/L
RT: 3.61 min Scan# 632
Delta R.T. 0.01 min
Lab File: F3986.D
Acq: 13 Aug 2010 12:08

Tgt Ion: 43 Resp: 23485

Ion	Ratio	Lower	Upper
43	100		
58	28.1	9.3	49.3

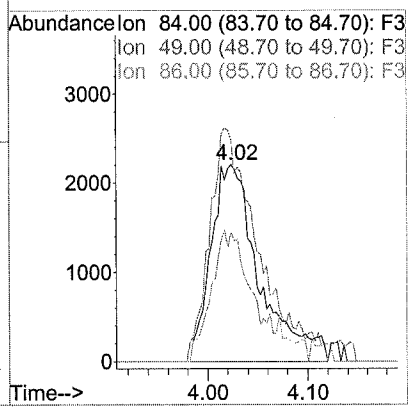




#16
Methylene Chloride
Concen: 0.6731 ug/L
RT: 4.02 min Scan# 761
Delta R.T. 0.01 min
Lab File: F3986.D
Acq: 13 Aug 2010 12:08

Tgt Ion: 84 Resp: 7382

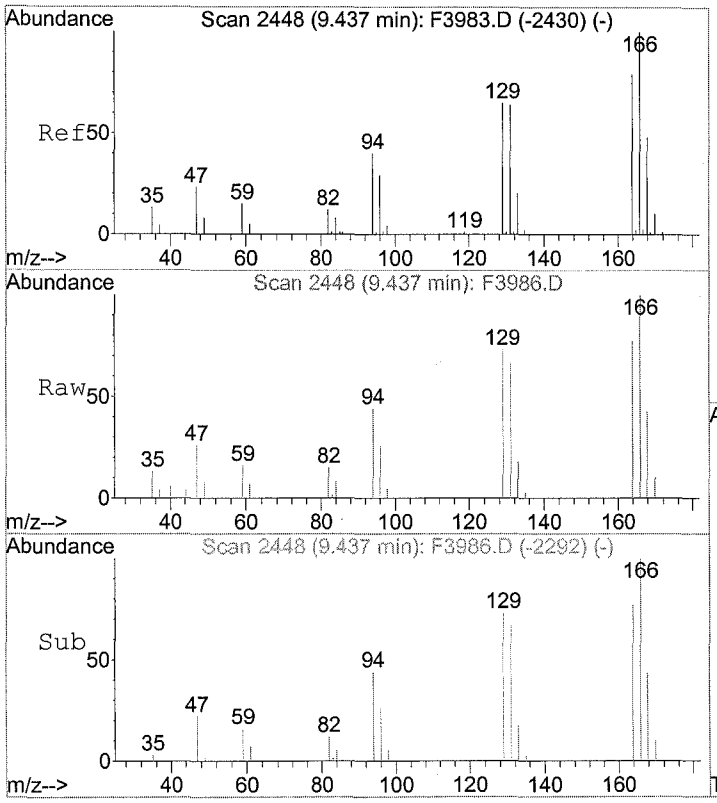
Ion	Ratio	Lower	Upper
84	100		
49	124.8	97.6	137.6
86	61.7	44.0	84.0



000000225

Data File : C:\MSDCHEM\1\DATA\F3986.D
Acq On : 08/13/2010 1208
Sample : 0012602-08
Misc : F3KE9 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

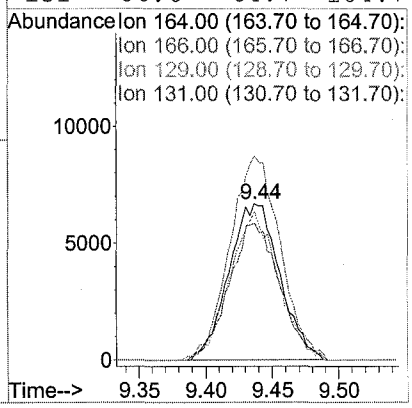
Vial: 35
Operator: AC
Inst : F-5973
Multiplr: 1.00



#46
Tetrachloroethene
Concen: 1.6495 ug/L
RT: 9.44 min Scan# 2448
Delta R.T. -0.00 min
Lab File: F3986.D
Acq: 13 Aug 2010 12:08

Tgt Ion:164 Resp: 17797

Ion	Ratio	Lower	Upper
164	100		
166	129.6	108.7	148.7
129	90.2	68.9	108.9
131	86.6	64.7	104.7



000000227

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3986.D
Acq On : 08/13/2010 1208
Sample : 0012602-08
Misc : F3KE9 25ML
MS Integration Params: Lscint.p

Vial: 35
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.5

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.967	74	120	369	rVB	4186032	24993297	100.00%	83.754%
2	2.814	369	384	464	rVB2	19333	137332	0.55%	0.460%
3	3.241	484	517	538	rVB3	908	4750	0.02%	0.016%
4	3.549	595	613	699	rBV5	49692	242139	0.97%	0.811%
5	3.899	720	722	744	rVB3	741	1000	0.00%	0.003%
6	4.024	747	761	801	rVB4	8818	30499	0.12%	0.102%
7	5.115	1091	1101	1120	rBV2	2564	5441	0.02%	0.018%
8	5.221	1120	1134	1151	rVV2	18831	49391	0.20%	0.166%
9	5.323	1151	1166	1198	rVB2	128504	310466	1.24%	1.040%
10	5.590	1232	1249	1277	rVB2	94636	235141	0.94%	0.788%
11	5.872	1330	1337	1338	rBV3	1634	1305	0.01%	0.004%
12	5.882	1338	1340	1359	rVB5	2173	3361	0.01%	0.011%
13	6.196	1417	1438	1478	rBV2	194538	556836	2.23%	1.866%
14	6.662	1563	1583	1615	rBV2	181309	446409	1.79%	1.496%
15	7.172	1724	1742	1765	rBV3	88817	234017	0.94%	0.784%
16	7.621	1877	1882	1890	rVB3	826	1015	0.00%	0.003%
17	8.150	2029	2047	2068	rBV3	106648	272882	1.09%	0.914%
18	8.568	2156	2177	2217	rBV	203234	522766	2.09%	1.752%
19	8.927	2270	2289	2314	rBV2	54335	138775	0.56%	0.465%
20	9.174	2351	2366	2377	rBV5	2557	5844	0.02%	0.020%
21	9.437	2431	2448	2464	rBV3	49539	130679	0.52%	0.438%
22	9.527	2464	2476	2508	rVB2	45522	116719	0.47%	0.391%
23	9.758	2538	2548	2557	rVB5	1920	3489	0.01%	0.012%
24	9.986	2611	2619	2635	rVB3	513	1169	0.00%	0.004%
25	10.708	2824	2844	2871	rBV2	178729	481916	1.93%	1.615%
26	11.074	2956	2958	2972	rVB4	1072	1214	0.00%	0.004%
27	11.606	3122	3124	3139	rVB3	749	1188	0.00%	0.004%
28	12.383	3352	3366	3375	rBV2	47856	90550	0.36%	0.303%
29	12.434	3375	3382	3396	rVB2	11176	19631	0.08%	0.066%
30	12.691	3458	3462	3472	rVB4	1239	1548	0.01%	0.005%
31	13.429	3671	3692	3708	rVB	264228	443388	1.77%	1.486%
32	13.503	3708	3715	3730	rVB4	13990	20246	0.08%	0.068%
33	13.628	3744	3754	3762	rBV3	6605	10213	0.04%	0.034%
34	13.779	3788	3801	3824	rBV3	192671	316754	1.27%	1.061%
35	14.170	3919	3923	3936	rVB2	2464	2889	0.01%	0.010%
36	15.127	4215	4221	4233	rBV6	2720	4379	0.02%	0.015%
37	15.460	4316	4325	4344	rVB3	1154	2847	0.01%	0.010%

000000228

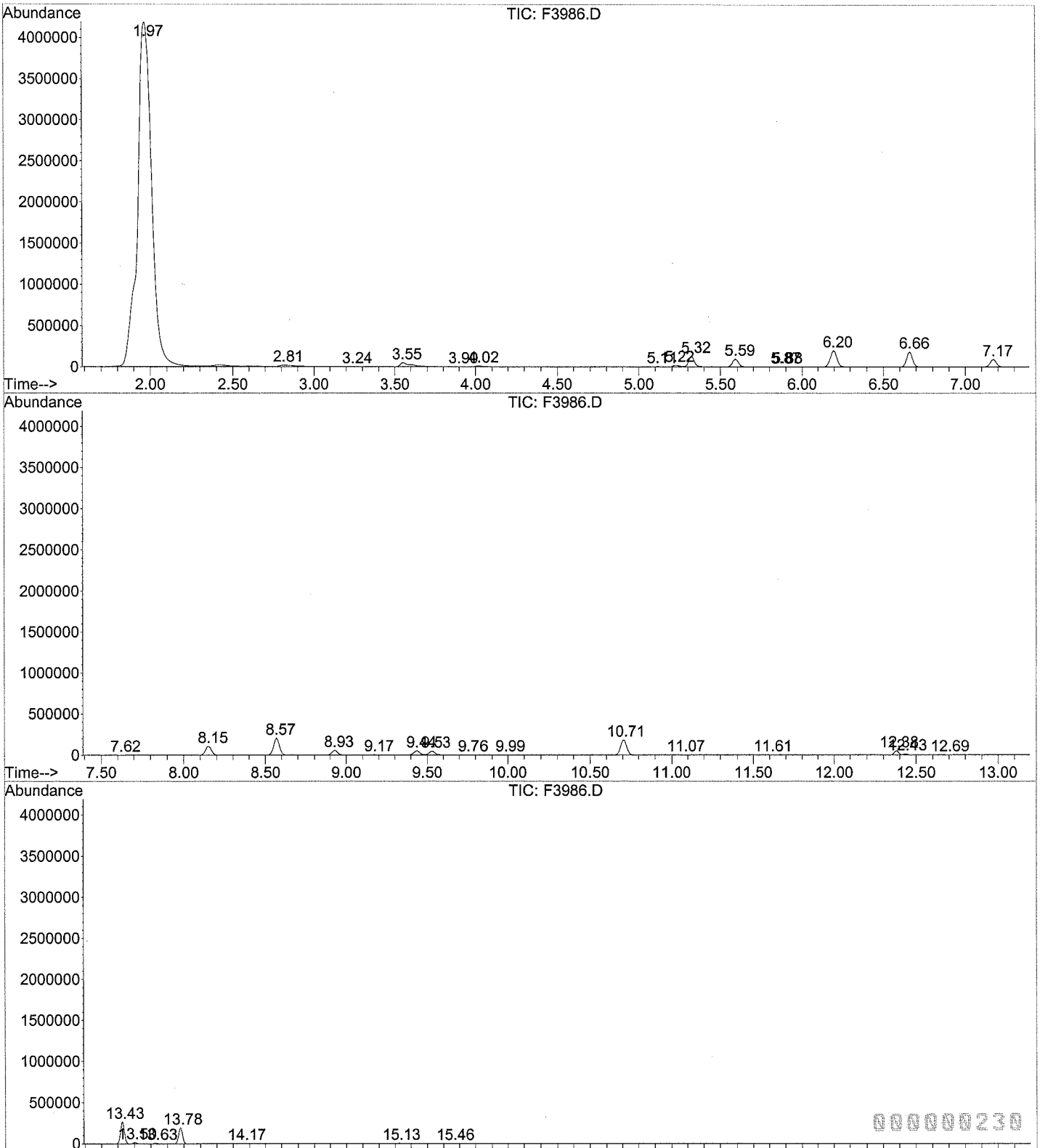
Sum of corrected areas: 29841485

000000229

LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3986.D
Acq On : 08/13/2010 1208
Sample : 0012602-08
Misc : F3KE9 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 35
Operator: AC
Inst : F-5973
Multiplr: 1.00



000000230

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3986.D Vial: 35
Acq On : 08/13/2010 1208 Operator: AC
Sample : 0012602-08 Inst : F-5973
Misc : F3KE9 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

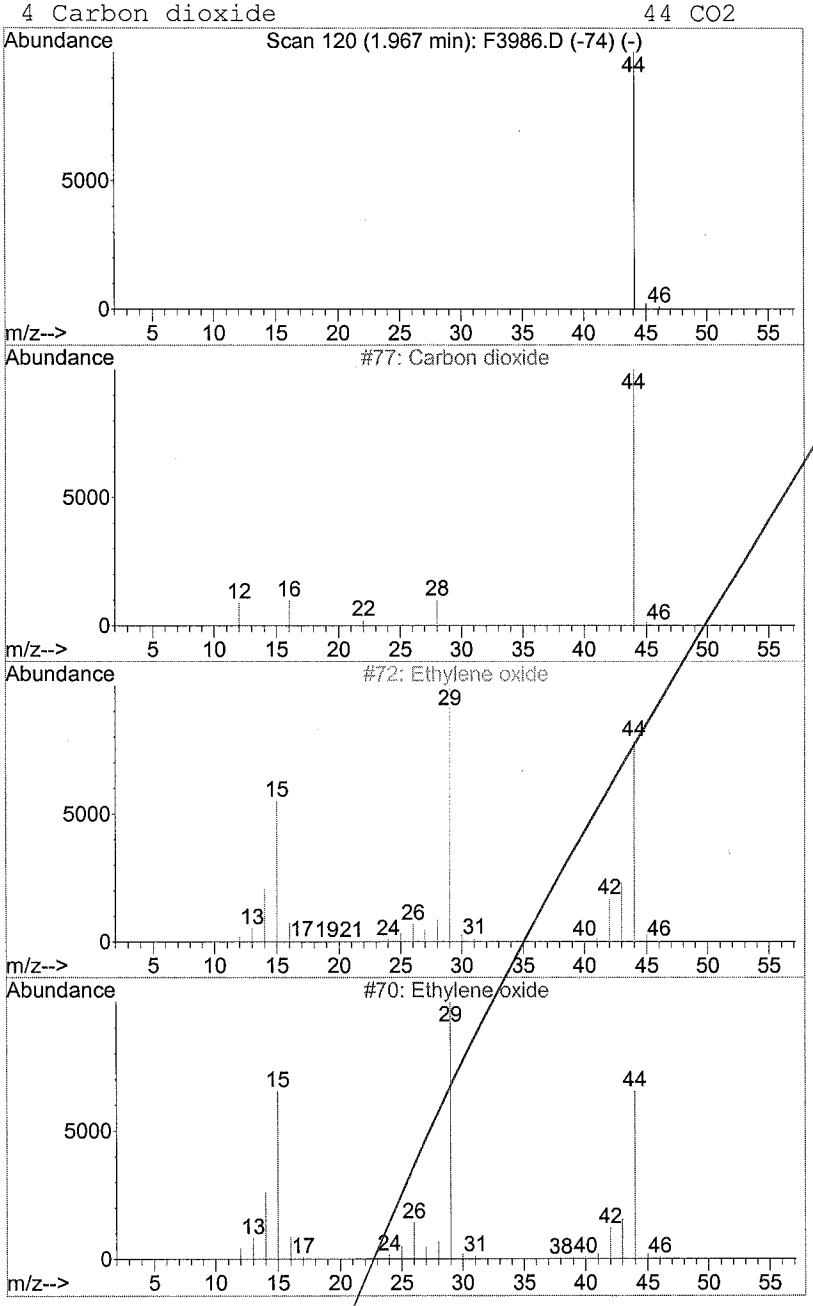
Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

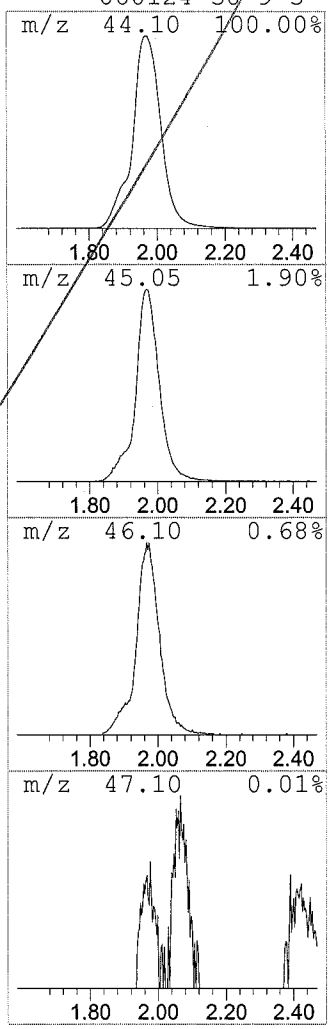
****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.97	279.94 ug/L	24993300	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3





000000231

Library Search Compound Report

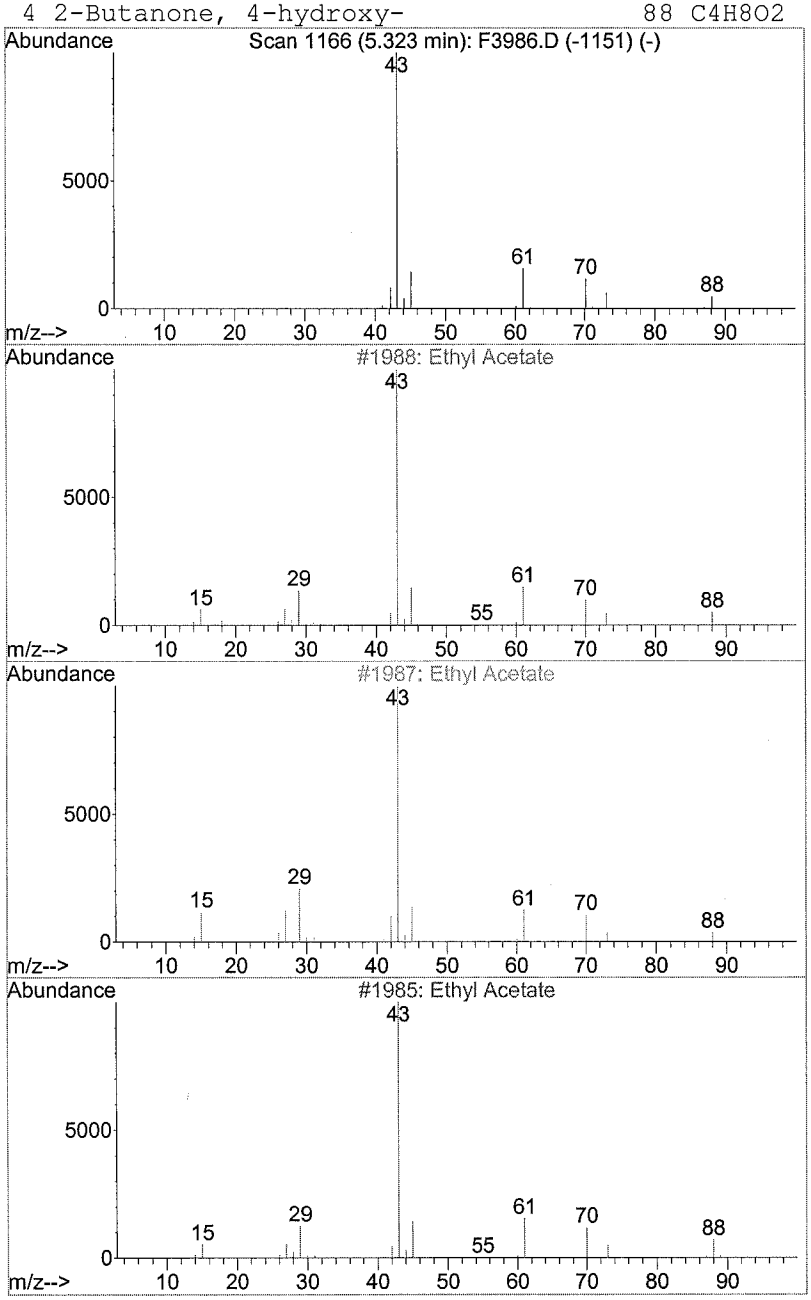
```
   Data File : C:\MSDCHEM\1\DATA\F3986.D                    Vial: 35
   Acq On    : 08/13/2010  1208                         Operator: AC
   Sample    : 0012602-08                               Inst    : F-5973
   Misc      : F3KE9    25ML                            Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
```

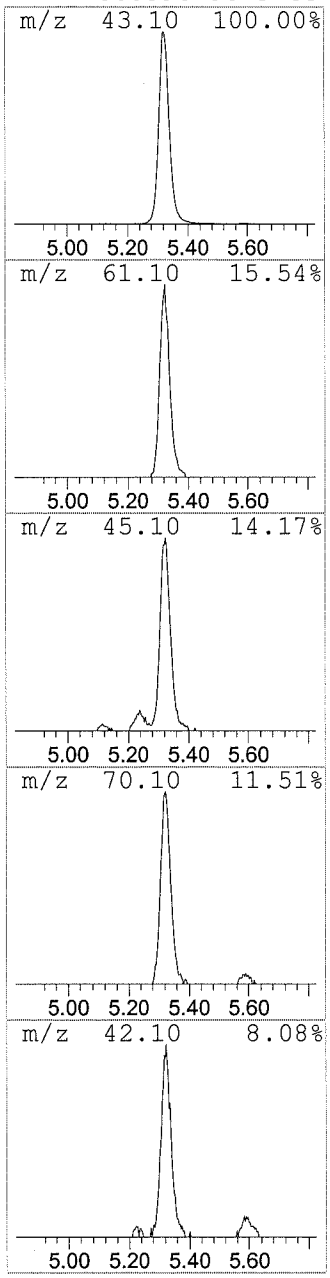
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	3.48 ug/L	310466	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	86
3	Ethyl Acetate	88	C4H8O2	000141-78-6	78
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	53





000000232

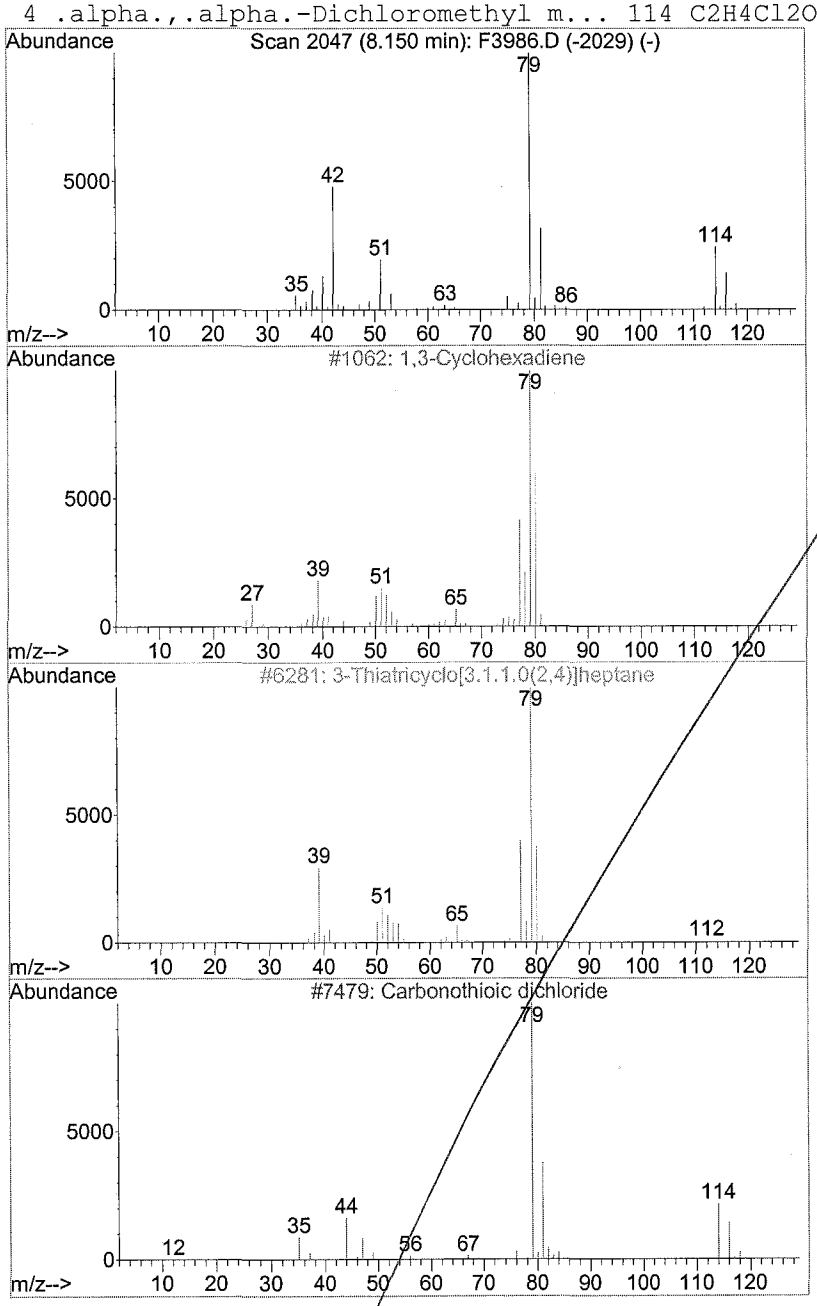
Library Search Compound Report

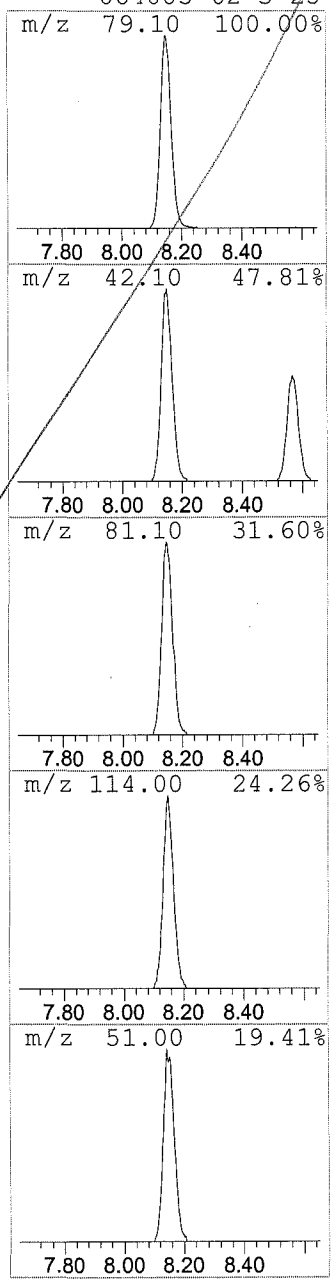
```
   Data File : C:\MSDCHEM\1\DATA\F3986.D                    Vial: 35
   Acq On    : 08/13/2010  1208                          Operator: AC
   Sample    : 0012602-08                                Inst    : F-5973
   Misc      : F3KE9    25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  3  1,3-Cyclohexadiene              Concentration Rank  3
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.06 ug/L	272882	1,4-Difluorobenzene	6.66

Same as left

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclohexadiene	80	C6H8	000592-57-4	43
2	3-Thiatricyclo[3.1.1.0(2,4)]heptane	112	C6H8S	1000221-37-0	37
3	Carbonothioic dichloride	114	CCl2S	000463-71-8	28
4	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	25





000000233

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 12:08
Data File: C:\MSDCHEM\1\DATA\F3986.D
Name: 0012602-08
Misc: F3KE9 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.97	279.9	ug/L	24993300	1	6.66	446409	5.0
Ethyl Acetate	5.32	3.5	ug/L	310466	1	6.66	446409	5.0
1,3-Cyclohexadiene	8.15	3.1	ug/L	272882	1	6.66	446409	5.0

000000234

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KF0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-09

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3987.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	9.1	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.88	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KF0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-09

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3987.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.18	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	1.9	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KF0

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-09

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3987.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.33	3.5	JN
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

000000237

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3987.D
Acq On : 08/13/2010 1236
Sample : 0012602-09
Misc : F3KF0 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:01:52 2010

Vial: 36
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	183891	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	155851	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	76412	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	57559	6.2367 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 124.73%		
7) Chloroethane-d5	2.81	69	56994	6.7834 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 135.67%#		
10) 1,1-Dichloroethene-d2	3.56	63	69898	4.2769 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 85.54%		
20) 2-Butanone-d5	5.23	46	31302	37.3690 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 74.74%		
24) Chloroform-d	5.59	84	87905	4.8187 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 96.37%		
26) 1,2-Dichloroethane-d4	6.19	65	39966	3.9293 ug/L	0.01
Spiked Amount 5.0000	Range 78 - 129		Recovery = 78.59%		
32) Benzene-d6	6.20	84	198708	5.4559 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 109.12%		
35) 1,2-Dichloropropane-d6	7.18	67	50618	4.2975 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 85.95%		
41) Toluene-d8	8.57	98	187287	5.2880 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 105.76%		
43) trans-1,3-Dichloropropene-	8.93	79	43248	4.0834 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 81.67%		
47) 2-Hexanone-d5	9.52	63	23732	38.1532 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 76.31%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	26674	3.3019 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 66.04%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	54009	4.8733 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 97.47%		

Target Compounds					Qvalue
13) Acetone	3.62	43	17782	9.1327 ug/L	96
16) Methylene Chloride	4.02	84	8900	0.8755 ug/L	95
42) Toluene	8.66	91	8622	0.1759 ug/L	100
46) Tetrachloroethene	9.43	164	19726	1.9278 ug/L	99

000000238

(#) = qualifier out of range (m) = manual integration (+) = signals summed

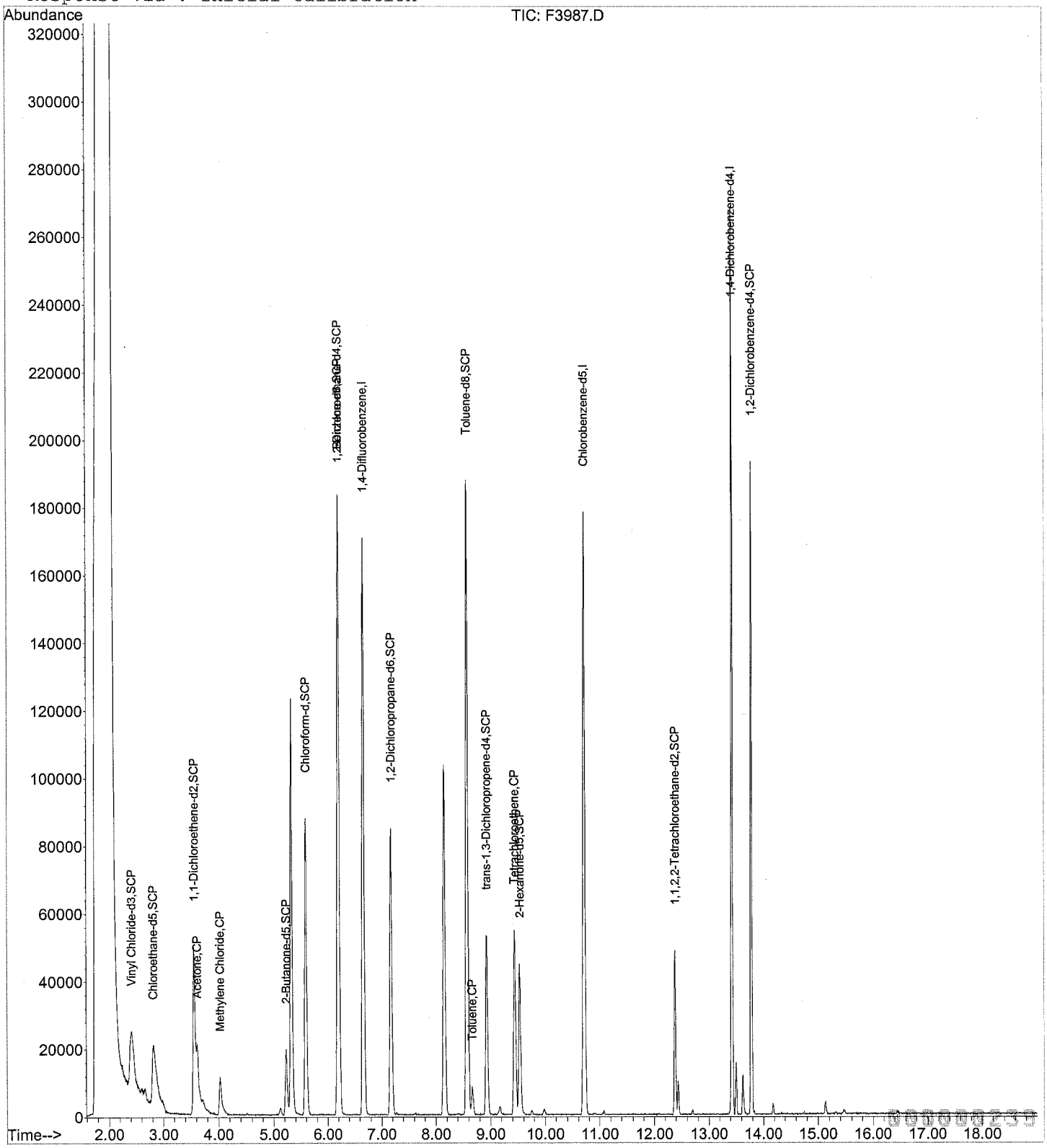
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3987.D
Acq On : 08/13/2010 1236
Sample : 0012602-09
Misc : F3KF0 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 15:54 2010

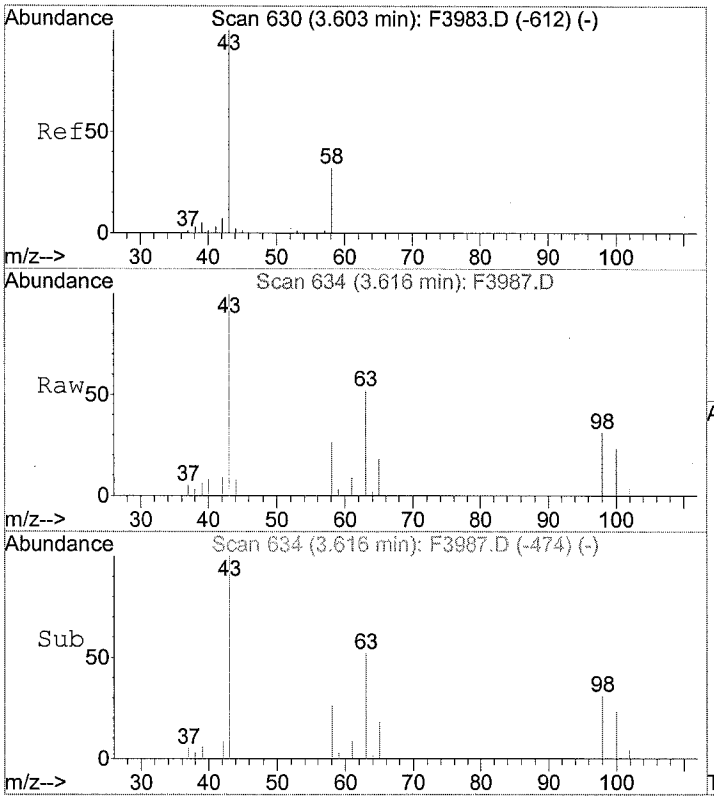
Vial: 36
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



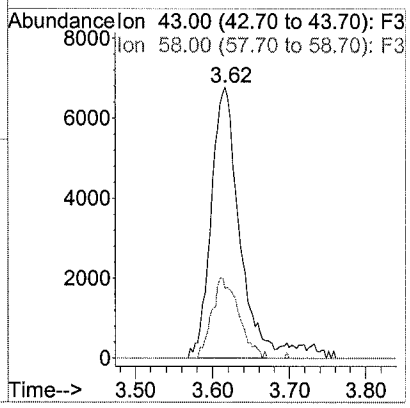
Data File : C:\MSDCHEM\1\DATA\F3987.D Vial: 36
Acq On : 08/13/2010 1236 Operator: AC
Sample : 0012602-09 Inst : F-5973
Misc : F3KF0 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

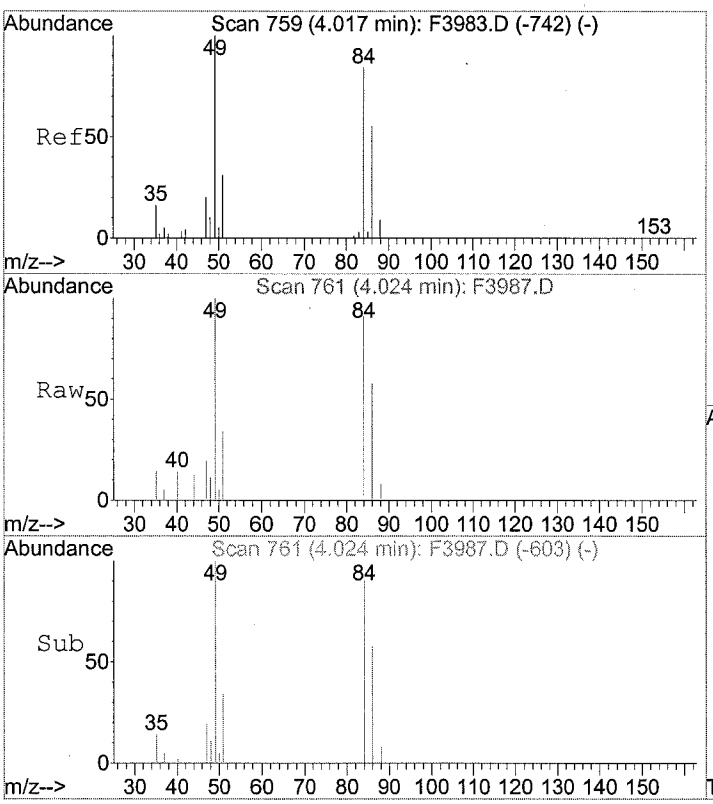


#13
Acetone
Concen: 9.1327 ug/L
RT: 3.62 min Scan# 634
Delta R.T. 0.01 min
Lab File: F3987.D
Acq: 13 Aug 2010 12:36

Tgt Ion: 43 Resp: 17782

Ion	Ratio	Lower	Upper
43	100		
58	27.1	9.3	49.3

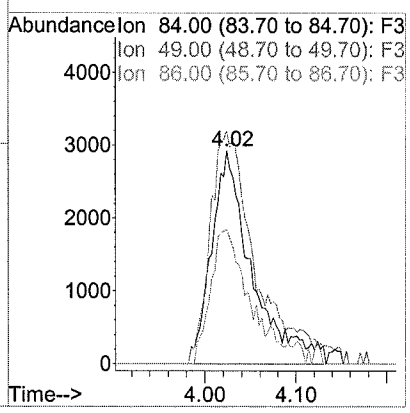




#16
Methylene Chloride
Concen: 0.8755 ug/L
RT: 4.02 min Scan# 761
Delta R.T. 0.01 min
Lab File: F3987.D
Acq: 13 Aug 2010 12:36

Tgt Ion: 84 Resp: 8900

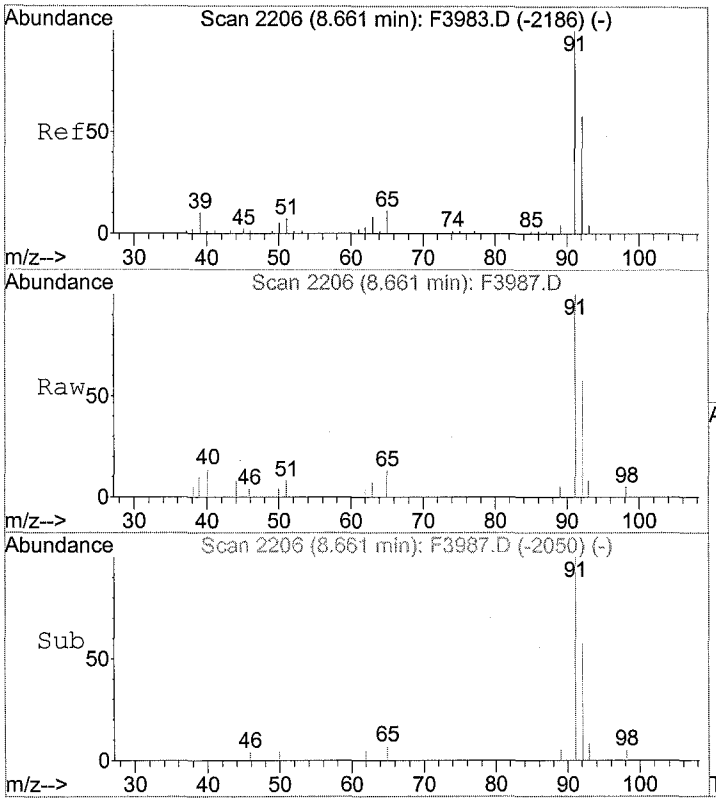
Ion	Ratio	Lower	Upper
84	100		
49	126.4	97.6	137.6
86	63.7	44.0	84.0



000000240

Data File : C:\MSDCHEM\1\DATA\F3987.D
Acq On : 08/13/2010 1236
Sample : 0012602-09
Misc : F3KF0 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

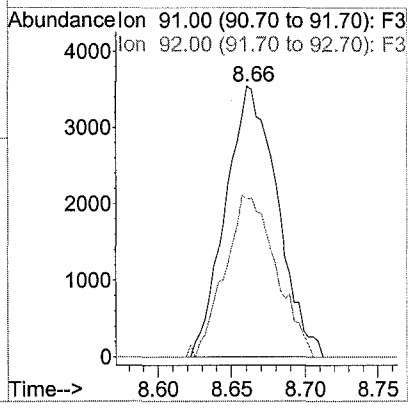
Vial: 36
Operator: AC
Inst : F-5973
Multiplr: 1.00

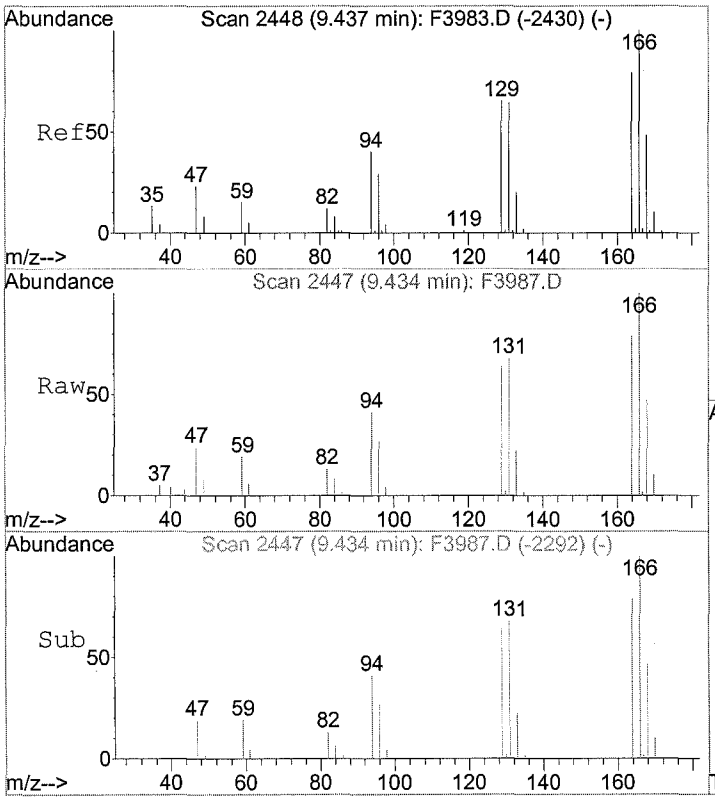


#42
Toluene
Concen: 0.1759 ug/L
RT: 8.66 min Scan# 2206
Delta R.T. 0.00 min
Lab File: F3987.D
Acq: 13 Aug 2010 12:36

Tgt Ion: 91 Resp: 8622

Ion	Ratio	Lower	Upper
91	100		
92	58.9	38.6	78.6

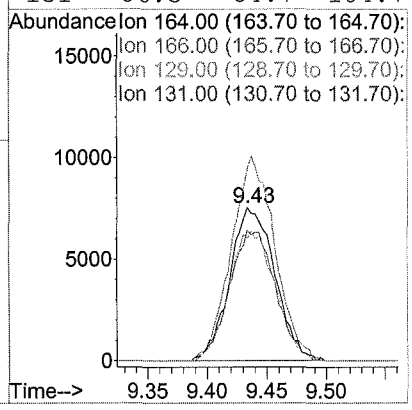




#46
Tetrachloroethene
Concen: 1.9278 ug/L
RT: 9.43 min Scan# 2447
Delta R.T. -0.00 min
Lab File: F3987.D
Acq: 13 Aug 2010 12:36

Tgt Ion:164 Resp: 19726

Ion	Ratio	Lower	Upper
164	100		
166	128.7	108.7	148.7
129	86.6	68.9	108.9
131	86.3	64.7	104.7



000000241

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3987.D
Acq On : 08/13/2010 1236
Sample : 0012602-09
Misc : F3KF0 25ML
MS Integration Params: Lscint.p

Vial: 36
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.5

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.967	36	120	454	rVV	3965811	27196566	100.00%	85.775%
2	3.058	458	460	500	rVB2	963	1693	0.01%	0.005%
3	3.555	600	615	705	rVB3	49293	213989	0.79%	0.675%
4	4.024	747	761	806	rVB3	11224	37551	0.14%	0.118%
5	5.125	1096	1104	1118	rVB3	2227	4525	0.02%	0.014%
6	5.230	1121	1137	1152	rBV2	19460	48856	0.18%	0.154%
7	5.327	1152	1167	1201	rVB2	122878	286862	1.05%	0.905%
8	5.590	1229	1249	1277	rBV2	87688	221012	0.81%	0.697%
9	6.200	1418	1439	1470	rBV2	183377	515610	1.90%	1.626%
10	6.315	1470	1475	1507	rVB2	448	1509	0.01%	0.005%
11	6.665	1565	1584	1620	rVB2	170600	412547	1.52%	1.301%
12	7.175	1725	1743	1766	rVB3	84693	220152	0.81%	0.694%
13	8.151	2028	2047	2072	rVB2	103462	260501	0.96%	0.822%
14	8.404	2105	2126	2131	rBV2	510	1233	0.00%	0.004%
15	8.571	2157	2178	2197	rBV	187628	478362	1.76%	1.509%
16	8.661	2197	2206	2223	rVB2	8410	18250	0.07%	0.058%
17	8.927	2272	2289	2326	rBV3	53066	133803	0.49%	0.422%
18	9.177	2349	2367	2384	rVB5	2391	5888	0.02%	0.019%
19	9.437	2431	2448	2464	rBV4	54649	141052	0.52%	0.445%
20	9.530	2464	2477	2507	rVB3	44717	113827	0.42%	0.359%
21	9.749	2540	2545	2556	rVB3	1290	2153	0.01%	0.007%
22	9.980	2606	2617	2629	rBV3	1677	4107	0.02%	0.013%
23	10.708	2823	2844	2871	rVB2	178228	458154	1.68%	1.445%
24	10.910	2903	2907	2934	rVB3	481	1430	0.01%	0.005%
25	11.077	2955	2959	2974	rVB4	1160	1253	0.00%	0.004%
26	12.380	3351	3365	3375	rBV3	48712	90052	0.33%	0.284%
27	12.438	3375	3383	3394	rVB2	9808	16306	0.06%	0.051%
28	12.694	3456	3463	3473	rVB3	1403	2144	0.01%	0.007%
29	13.426	3680	3691	3706	rVB2	268720	439416	1.62%	1.386%
30	13.503	3706	3715	3725	rVB6	15467	23770	0.09%	0.075%
31	13.625	3744	3753	3767	rBV5	11690	19423	0.07%	0.061%
32	13.779	3789	3801	3814	rBV	192858	313758	1.15%	0.990%
33	14.171	3915	3923	3933	rBV3	3298	4678	0.02%	0.015%
34	15.133	4215	4223	4232	rVB7	3775	6612	0.02%	0.021%
35	15.322	4277	4282	4288	rVB3	804	1186	0.00%	0.004%
36	15.444	4311	4320	4322	rBV3	846	1189	0.00%	0.004%
37	15.457	4322	4324	4344	rVB4	1508	2640	0.01%	0.008%
38	16.446	4630	4632	4658	rVB3	1041	2153	0.01%	0.007%
39	17.639	5001	5004	5025	rVB2	467	1322	0.00%	0.004%

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40	18.278	5201	5203	5222	rVB3	465	1171	0.00%	0.004%

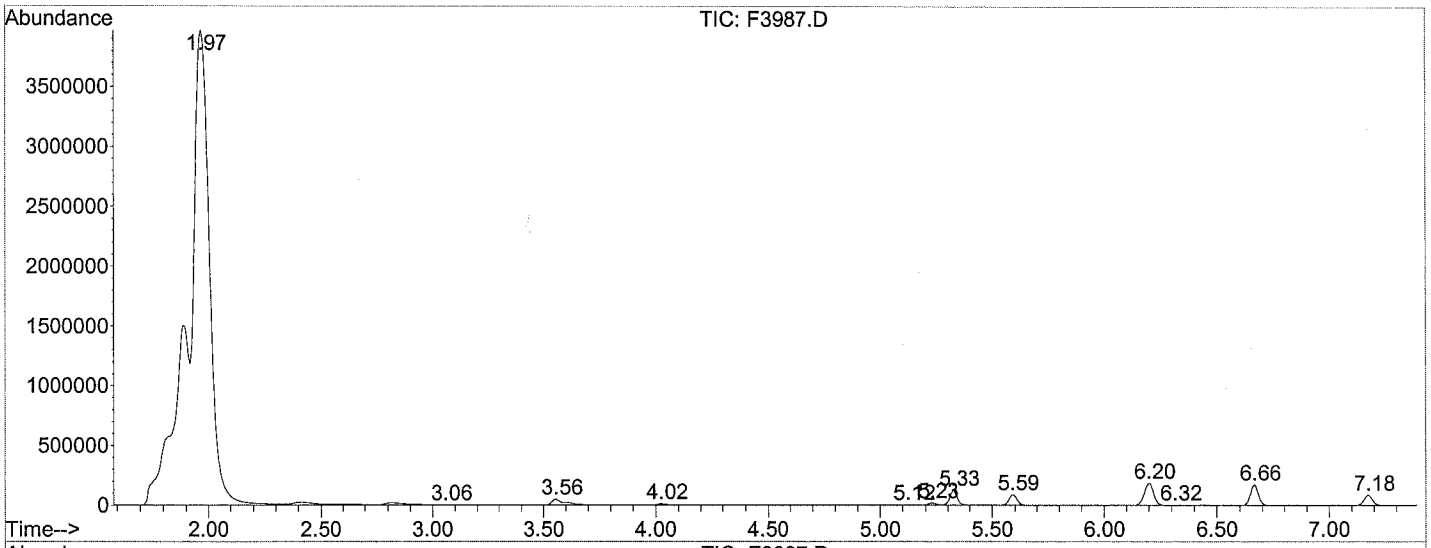
Sum of corrected areas: 31706705

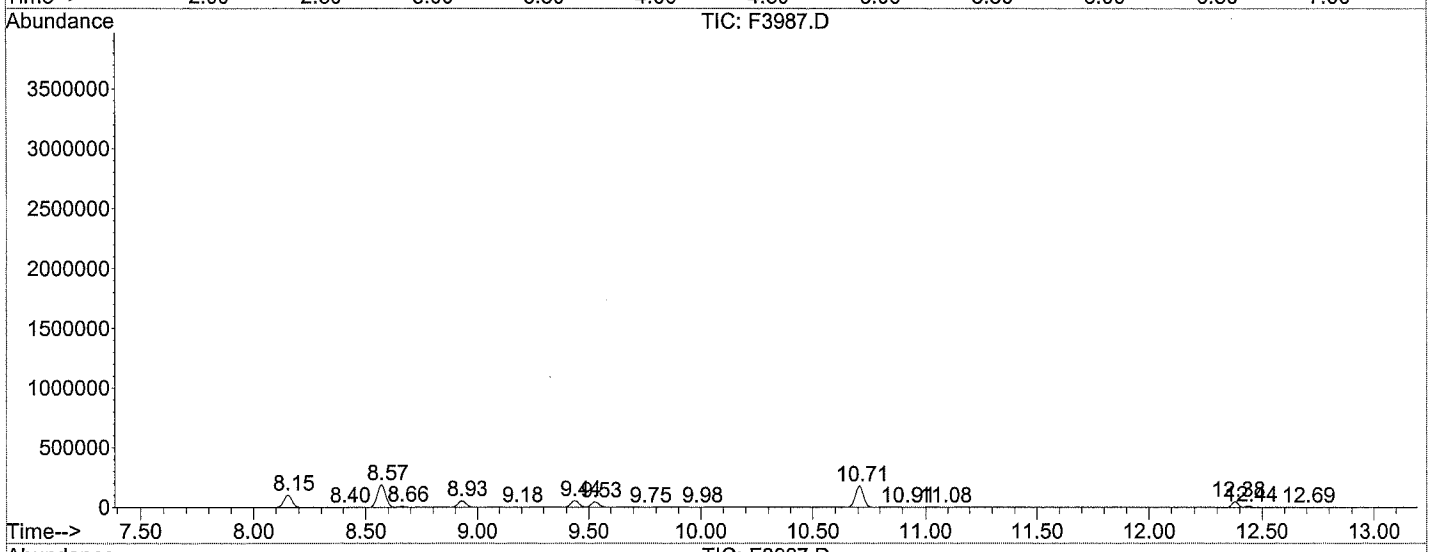
000000243

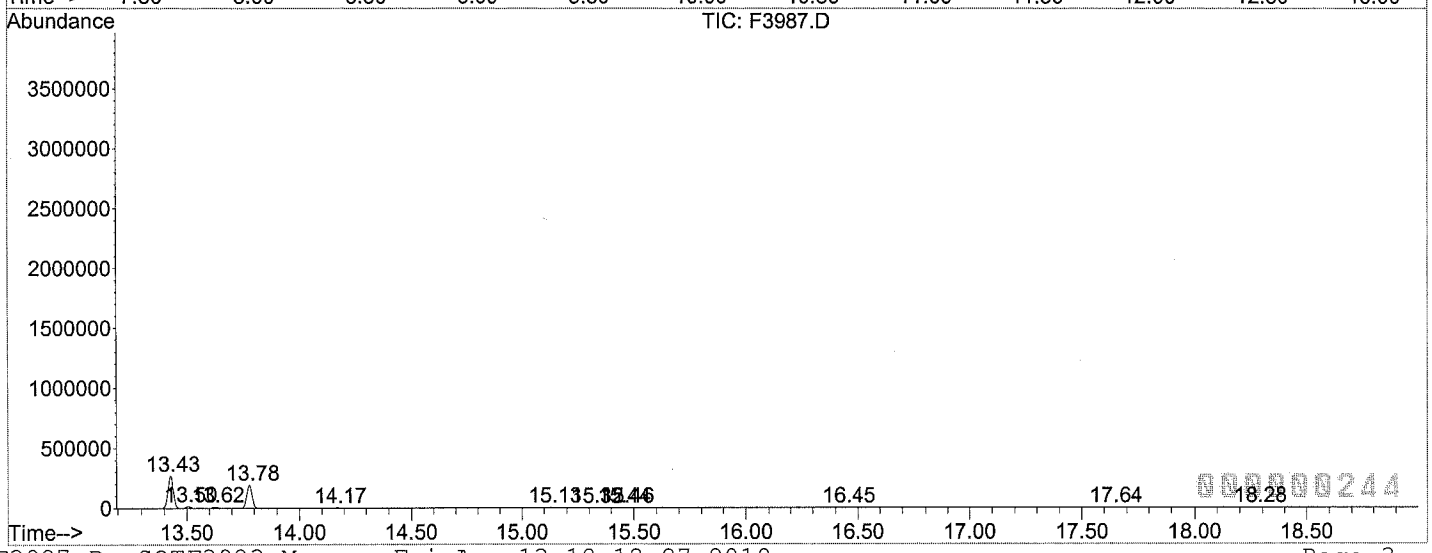
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3987.D
Acq On : 08/13/2010 1236
Sample : 0012602-09
Misc : F3KF0 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 36
Operator: AC
Inst : F-5973
Multiplr: 1.00







000000244

Library Search Compound Report

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   Data File : C:\MSDCHEM\1\DATA\F3987.D                    Vial: 36
   Acq On    : 08/13/2010  1236                          Operator: AC
   Sample    : 0012602-09                                Inst    : F-5973
   Misc      : F3KF0    25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
```

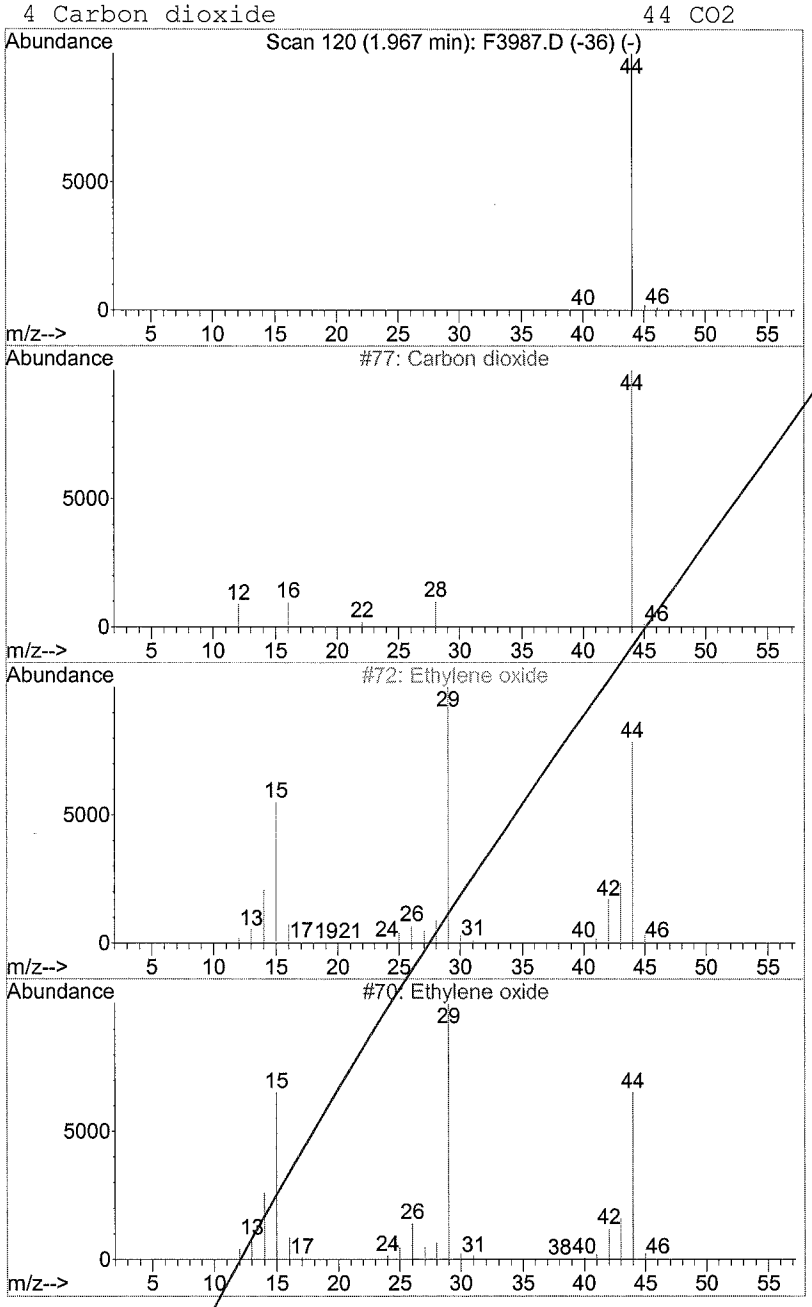
****

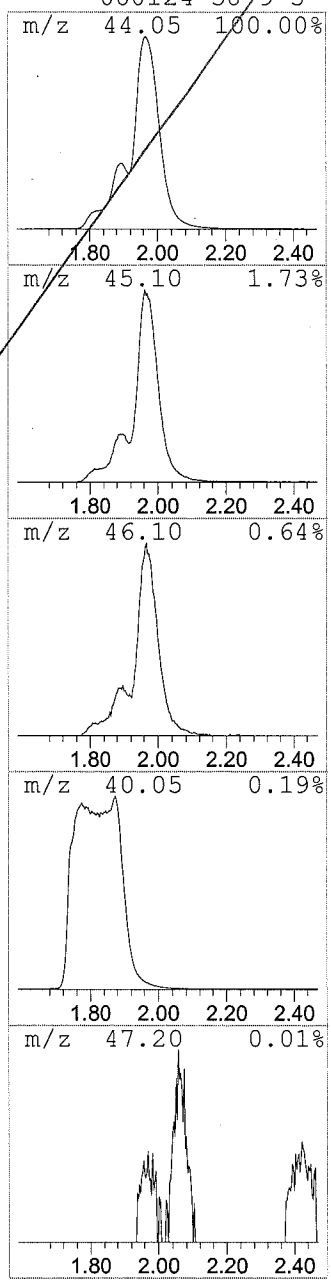
Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.97	329.62 ug/L	27196600	1,4-Difluorobenzene	6.66

CO2

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Carbon dioxide	44	CO2	000124-38-9	3





000000245

Library Search Compound Report

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   Data File : C:\MSDCHEM\1\DATA\F3987.D                    Vial: 36
   Acq On    : 08/13/2010  1236                          Operator: AC
   Sample    : 0012602-09                                Inst    : F-5973
   Misc      : F3KF0    25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
```
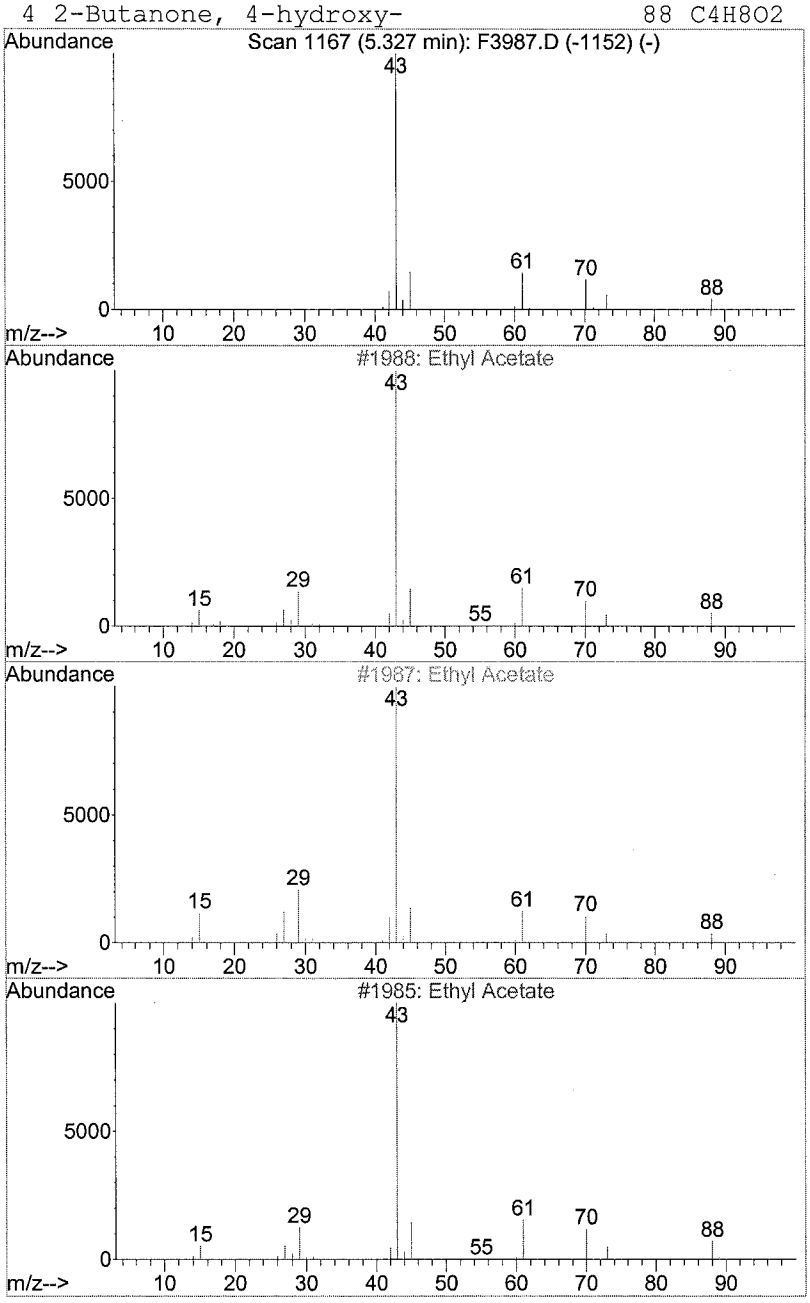
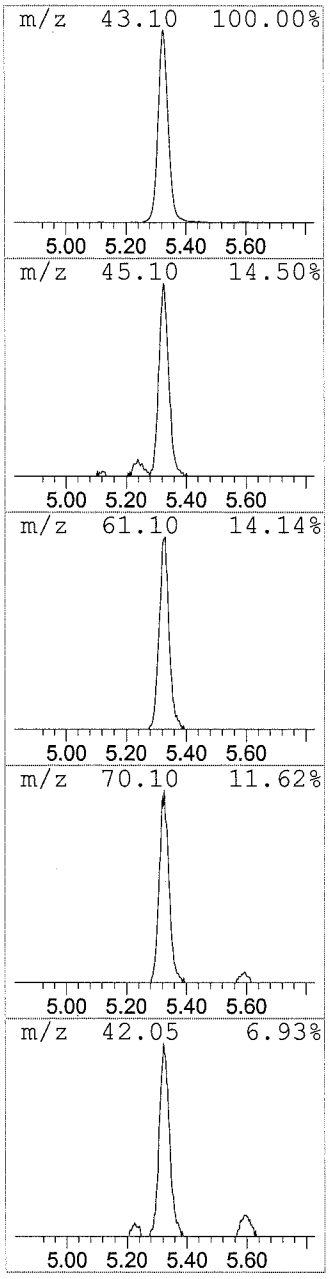

****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.33	3.48 ug/L	286862	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	90
3	Ethyl Acetate	88	C4H8O2	000141-78-6	83
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	40





000000246

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3987.D Vial: 36
Acq On : 08/13/2010 1236 Operator: AC
Sample : 0012602-09 Inst : F-5973
Misc : F3KF0 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

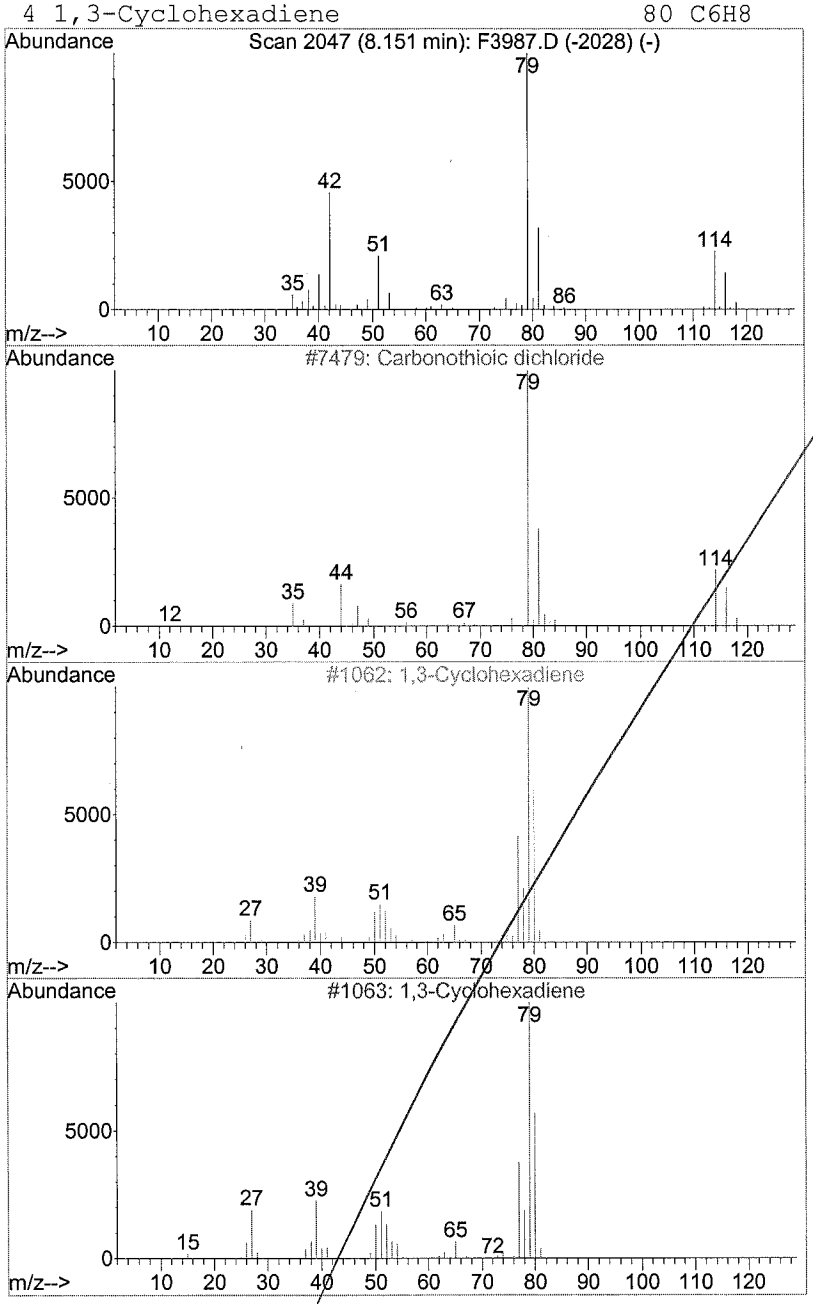
****

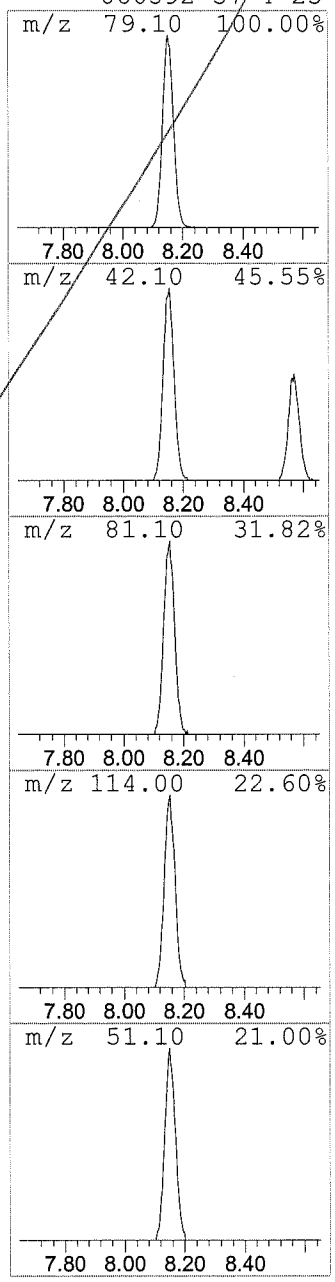
Peak Number 3 Carbonothioic dichloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.16 ug/L	260501	1,4-Difluorobenzene	6.66

Dme only cat

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	52
2	1,3-Cyclohexadiene	80	C6H8	000592-57-4	43
3	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25
4	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25





000000247

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 12:36
Data File: C:\MSDCHEM\1\DATA\F3987.D
Name: 0012602-09
Misc: F3KF0 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.97	329.6	ug/L	27196600	1	6.66	412547	5.0
Ethyl Acetate	5.33	3.5	ug/L	286862	1	6.66	412547	5.0
Carbonothioic dic...	8.15	3.2	ug/L	260501	1	6.66	412547	5.0

000000248

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KF3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-17

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3995.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	12	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.93	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KF3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-17

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3995.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.16	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KF3

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-17

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3995.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.33	3.2	JN
02		Unknown-01 (13.43)	12.44	1.5	J
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

000000251

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3995.D Vial: 44
Acq On : 08/13/2010 1618 Operator: AC
Sample : 0012602-17 Inst : F-5973
Misc : F3KF3 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 17:13:03 2010 Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	173001	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	145192	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	70640	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	55624	6.4064 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 128.13%		
7) Chloroethane-d5	2.82	69	55056	6.9652 ug/L	0.02
Spiked Amount 5.0000	Range 71 - 131		Recovery = 139.30%#		
10) 1,1-Dichloroethene-d2	3.55	63	64273	4.1802 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 83.60%		
20) 2-Butanone-d5	5.22	46	27022	34.2901 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 68.58%		
24) Chloroform-d	5.59	84	85640	4.9901 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 99.80%		
26) 1,2-Dichloroethane-d4	6.19	65	37605	3.9299 ug/L	0.01
Spiked Amount 5.0000	Range 78 - 129		Recovery = 78.60%		
32) Benzene-d6	6.20	84	193276	5.6963 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 113.93%		
35) 1,2-Dichloropropane-d6	7.18	67	49120	4.4765 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 89.53%		
41) Toluene-d8	8.57	98	179751	5.4478 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 108.96%		
43) trans-1,3-Dichloropropene-	8.93	79	39191	3.9720 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 79.44%		
47) 2-Hexanone-d5	9.53	63	20341	35.1023 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 70.20%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	24125	3.2056 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 64.11%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	50467	4.9258 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 98.52%		

Target Compounds					Qvalue
13) Acetone	3.61	43	22389	12.2227 ug/L	96
16) Methylene Chloride	4.02	84	8852	0.9256 ug/L	95
46) Tetrachloroethene	9.44	164	1564	0.1641 ug/L	95

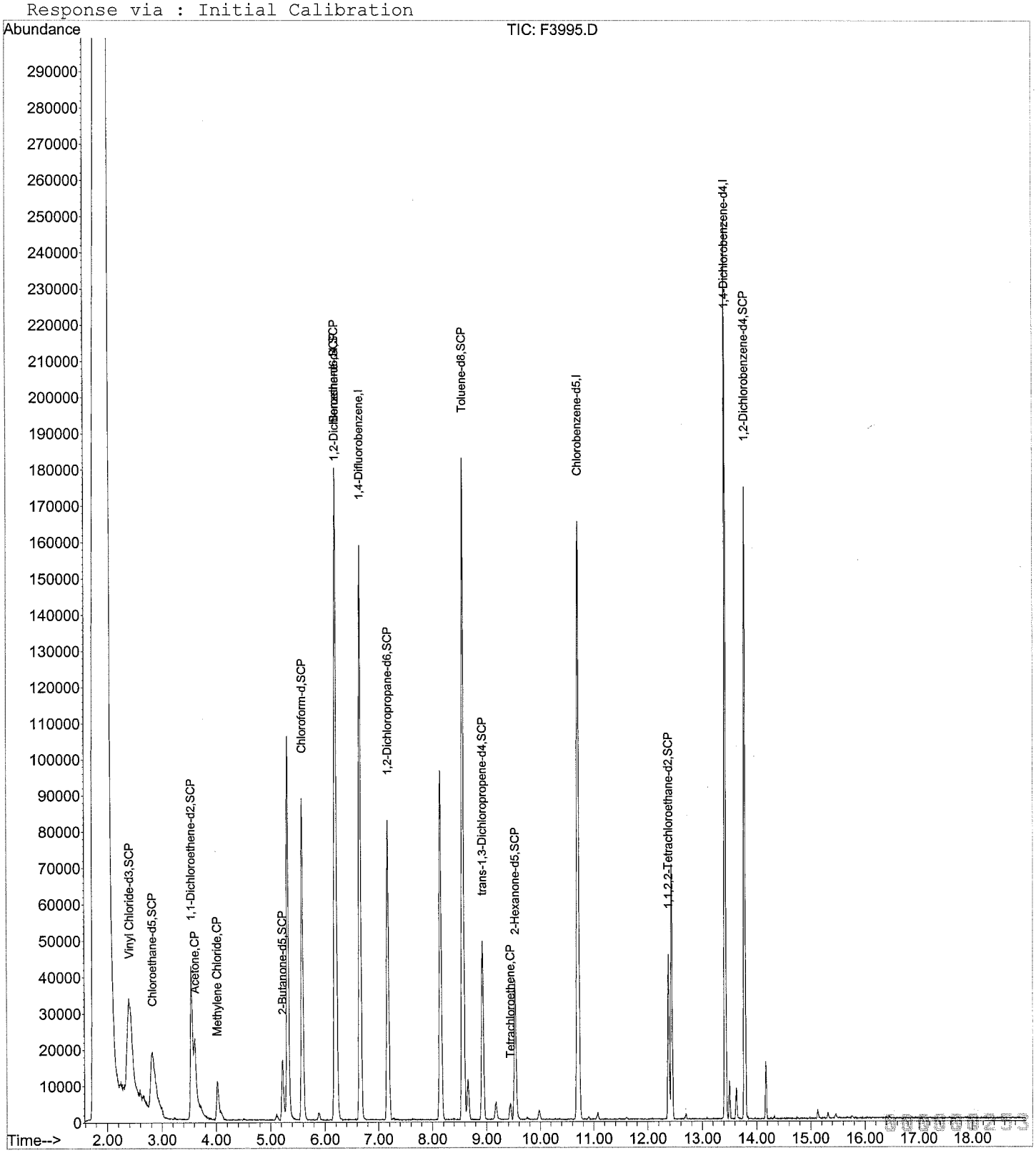
000000252

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

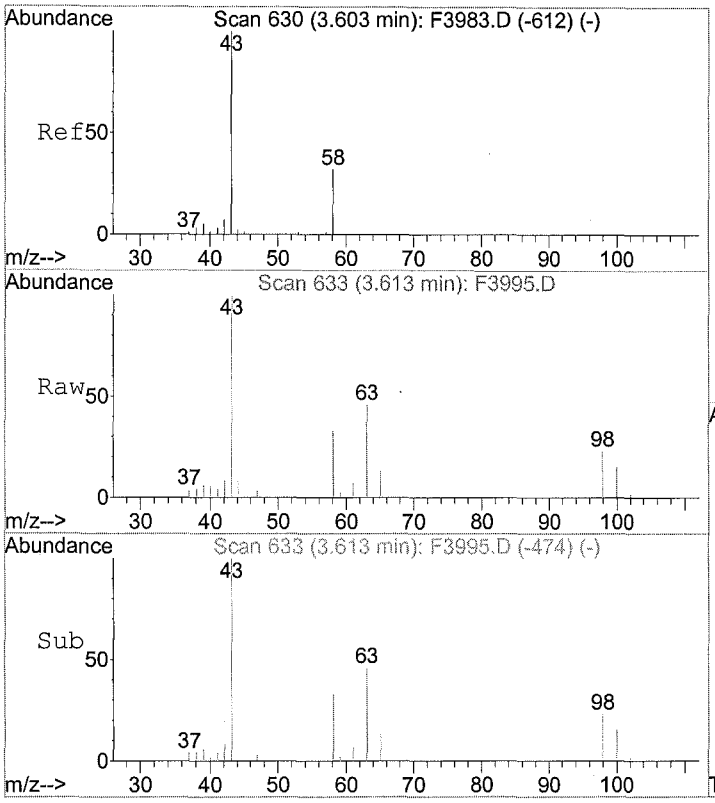
Data File : C:\MSDCHEM\1\DATA\F3995.D Vial: 44
Acq On : 08/13/2010 1618 Operator: AC
Sample : 0012602-17 Inst : F-5973
Misc : F3KF3 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 17:13 2010 Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\F3995.D
Acq On : 08/13/2010 1618
Sample : 0012602-17
Misc : F3KF3 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

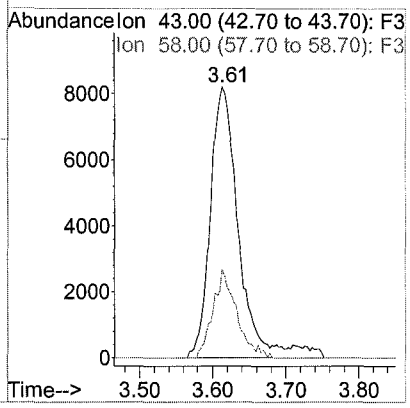
Vial: 44
Operator: AC
Inst : F-5973
Multiplr: 1.00

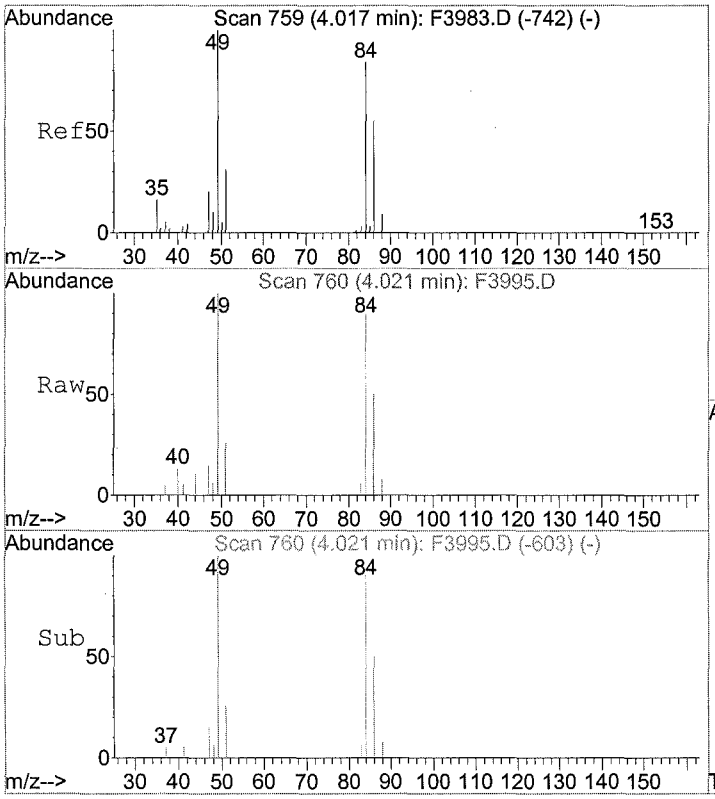


#13
Acetone
Concen: 12.2227 ug/L
RT: 3.61 min Scan# 633
Delta R.T. 0.01 min
Lab File: F3995.D
Acq: 13 Aug 2010 16:18

Tgt Ion: 43 Resp: 22389

Ion	Ratio	Lower	Upper
43	100		
58	27.0	9.3	49.3

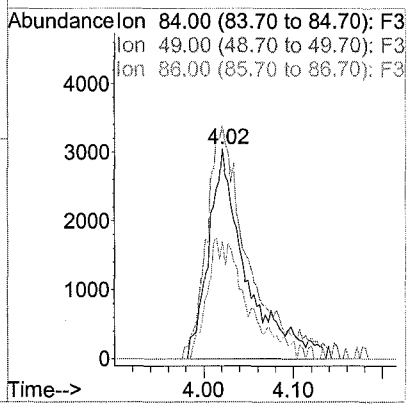




#16
Methylene Chloride
Concen: 0.9256 ug/L
RT: 4.02 min Scan# 760
Delta R.T. 0.00 min
Lab File: F3995.D
Acq: 13 Aug 2010 16:18

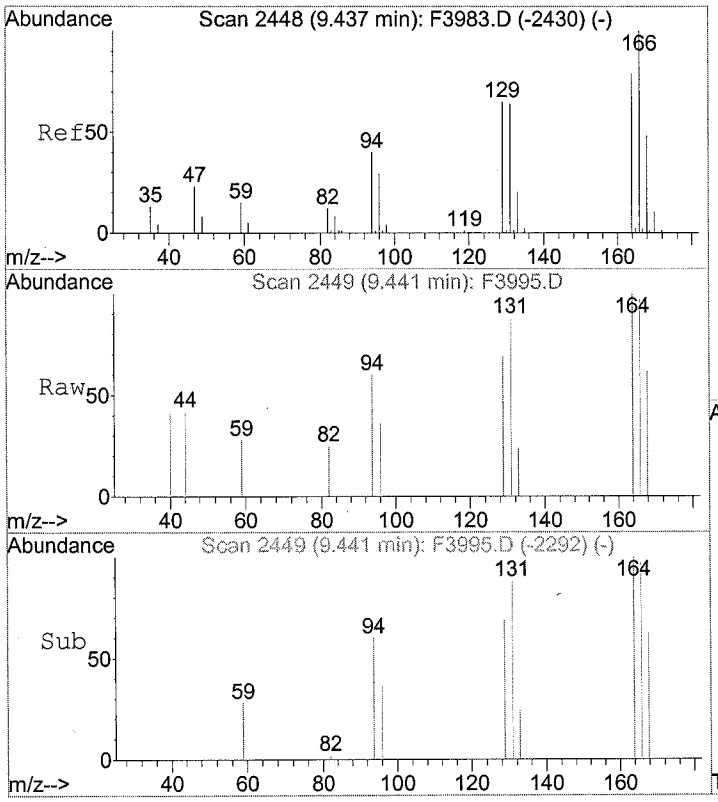
Tgt Ion: 84 Resp: 8852

Ion	Ratio	Lower	Upper
84	100		
49	123.4	97.6	137.6
86	61.2	44.0	84.0



000000254

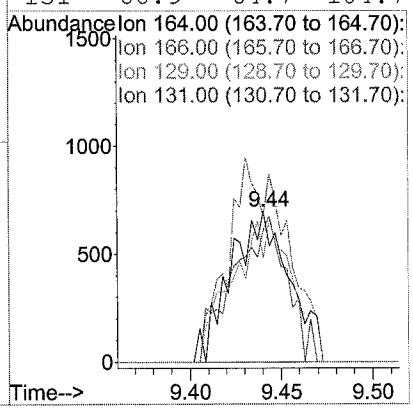
Data File : C:\MSDCHEM\1\DATA\F3995.D Vial: 44
Acq On : 08/13/2010 1618 Operator: AC
Sample : 0012602-17 Inst : F-5973
Misc : F3KF3 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML



#46
Tetrachloroethene
Concen: 0.1641 ug/L
RT: 9.44 min Scan# 2449
Delta R.T. 0.00 min
Lab File: F3995.D
Acq: 13 Aug 2010 16:18

Tgt Ion:164 Resp: 1564

Ion	Ratio	Lower	Upper
164	100		
166	132.9	108.7	148.7
129	94.2	68.9	108.9
131	88.9	64.7	104.7



000000255

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3995.D
Acq On : 08/13/2010 1618
Sample : 0012602-17
Misc : F3KF3 25ML
MS Integration Params: Lscint.p

Vial: 44
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Filtering: 5
Sampling : 1
Min Area: 1000 Area counts
Start Thrs: 0.2
Max Peaks: 40
Stop Thrs : 0.5
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.957	35	117	366	rBV	2516355	17994930	100.00%	80.410%
2	2.821	366	386	488	rVB3	18651	144873	0.81%	0.647%
3	3.549	596	613	712	rVB3	42290	209259	1.16%	0.935%
4	4.021	746	760	798	rBV4	10653	35988	0.20%	0.161%
5	5.105	1090	1098	1099	rBV	1211	1075	0.01%	0.005%
6	5.115	1099	1101	1121	rVB2	1838	2759	0.02%	0.012%
7	5.230	1121	1137	1152	rBV2	16646	42222	0.23%	0.189%
8	5.327	1152	1167	1187	rVV	105674	250751	1.39%	1.120%
9	5.397	1187	1189	1203	rVB3	1332	1727	0.01%	0.008%
10	5.590	1231	1249	1277	rVB2	88643	214364	1.19%	0.958%
11	5.888	1334	1342	1351	rVB6	1914	3837	0.02%	0.017%
12	6.200	1417	1439	1477	rVB2	180104	501692	2.79%	2.242%
13	6.662	1565	1583	1620	rVB	158677	389032	2.16%	1.738%
14	7.175	1723	1743	1762	rBV4	82614	212365	1.18%	0.949%
15	7.281	1769	1776	1782	rVB2	692	1111	0.01%	0.005%
16	8.151	2029	2047	2065	rBV2	96312	241158	1.34%	1.078%
17	8.571	2159	2178	2197	rBV2	182768	461810	2.57%	2.064%
18	8.664	2197	2207	2230	rVB3	11061	26167	0.15%	0.117%
19	8.930	2273	2290	2319	rBV5	49329	122008	0.68%	0.545%
20	9.174	2349	2366	2395	rVB2	4965	12935	0.07%	0.058%
21	9.444	2438	2450	2460	rVB6	4514	10071	0.06%	0.045%
22	9.530	2460	2477	2494	rVV3	38516	98084	0.55%	0.438%
23	9.976	2605	2616	2636	rVB6	2661	6299	0.04%	0.028%
24	10.708	2824	2844	2871	rVB3	165188	429021	2.38%	1.917%
25	10.907	2899	2906	2914	rVB3	861	1337	0.01%	0.006%
26	11.080	2958	2960	2973	rVB4	1925	1605	0.01%	0.007%
27	12.380	3352	3365	3374	rBV2	45546	81247	0.45%	0.363%
28	12.438	3374	3383	3396	rVB2	70373	117856	0.65%	0.527%
29	12.691	3457	3462	3469	rVB4	1497	1901	0.01%	0.008%
30	13.429	3679	3692	3707	rVB	248761	403483	2.24%	1.803%
31	13.503	3707	3715	3723	rBV4	10493	15037	0.08%	0.067%
32	13.628	3744	3754	3765	rBV5	8710	14131	0.08%	0.063%
33	13.779	3785	3801	3816	rBV3	174746	293596	1.63%	1.312%
34	14.170	3914	3923	3933	rVB2	15874	22076	0.12%	0.099%
35	14.331	3969	3973	3988	rVB2	1038	1106	0.01%	0.005%
36	15.124	4210	4220	4238	rBV5	2619	4682	0.03%	0.021%
37	15.316	4278	4280	4290	rVB3	1619	1905	0.01%	0.009%
38	15.467	4319	4327	4347	rVB3	1158	2112	0.01%	0.009%
39	15.765	4412	4420	4432	rVB4	764	1786	0.01%	0.008%

000000256

40	17.736	5030	5034	5066	rVB3	451	1633	0.01%	0.007%

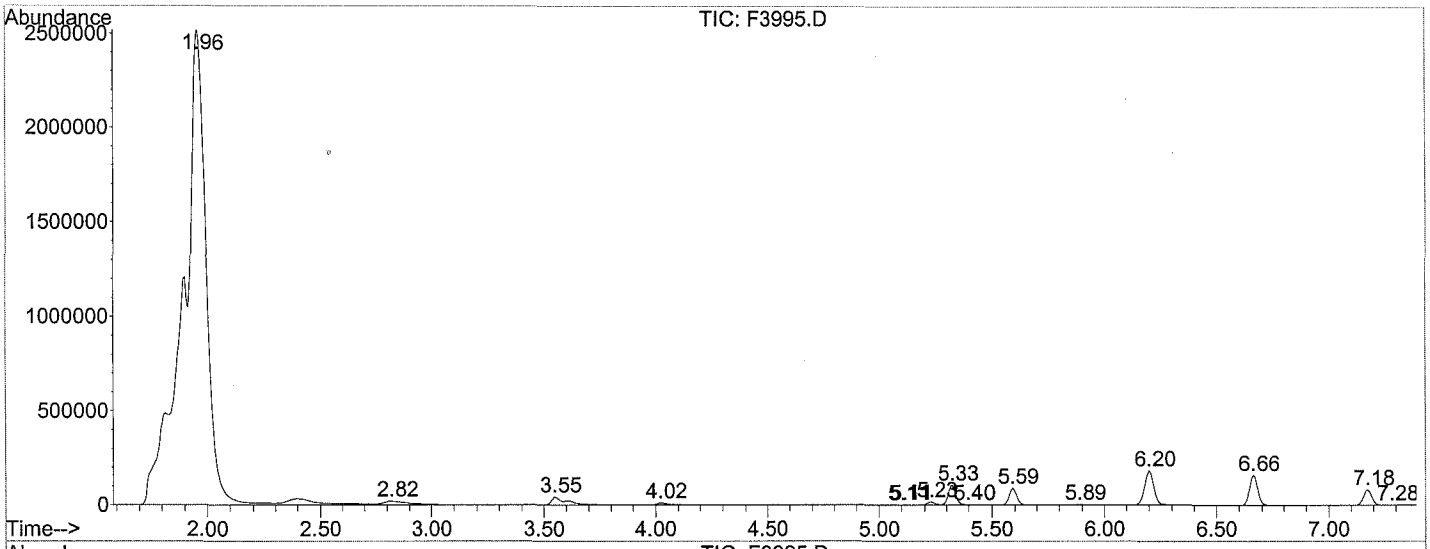
Sum of corrected areas: 22379031

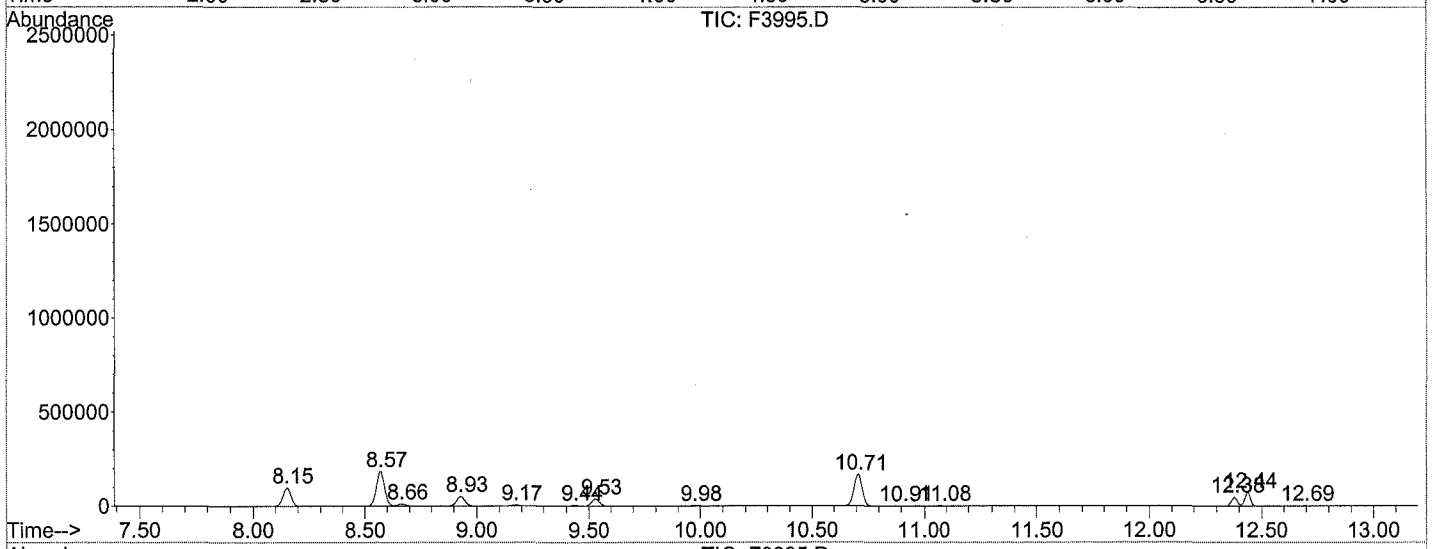
000000257

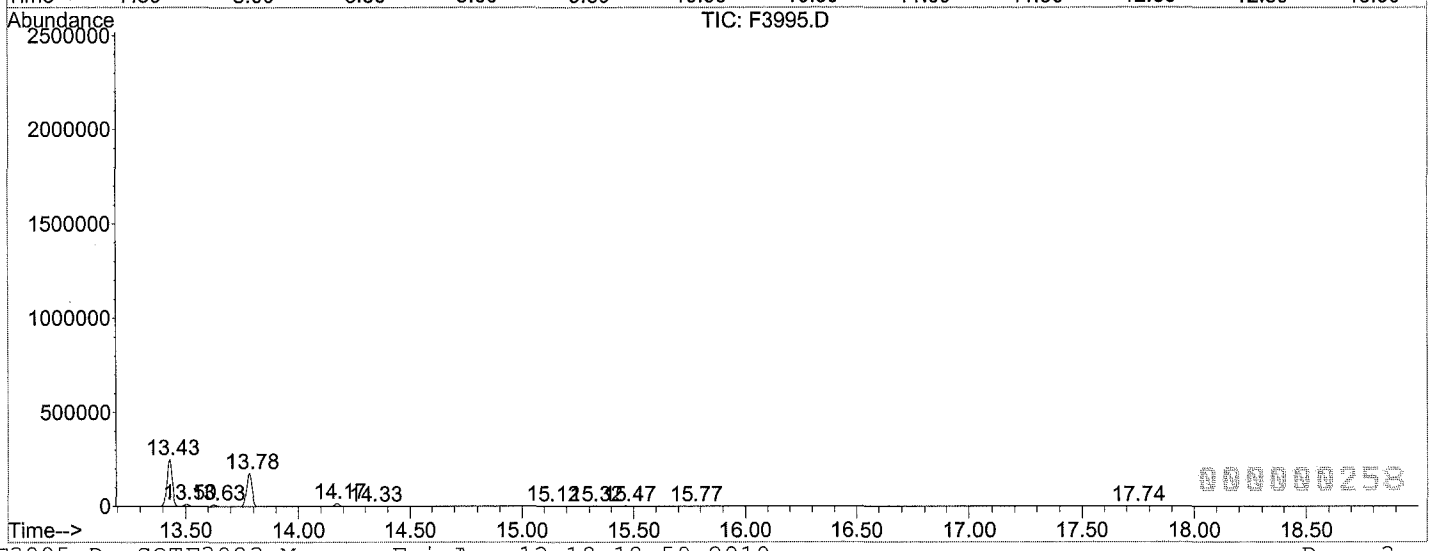
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3995.D
Acq On : 08/13/2010 1618
Sample : 0012602-17
Misc : F3KF3 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 44
Operator: AC
Inst : F-5973
Multiplr: 1.00







000000258

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3995.D Vial: 44
Acq On : 08/13/2010 1618 Operator: AC
Sample : 0012602-17 Inst : F-5973
Misc : F3KF3 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

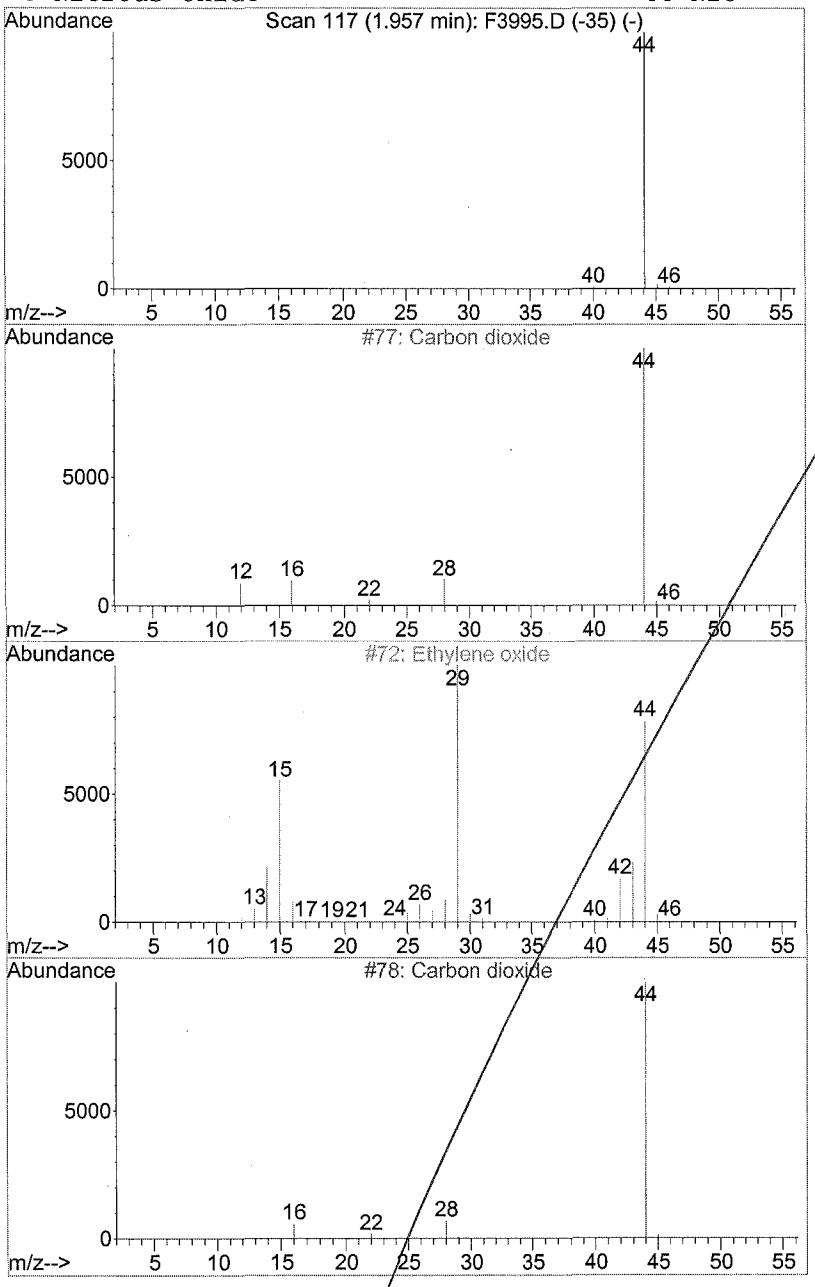
****

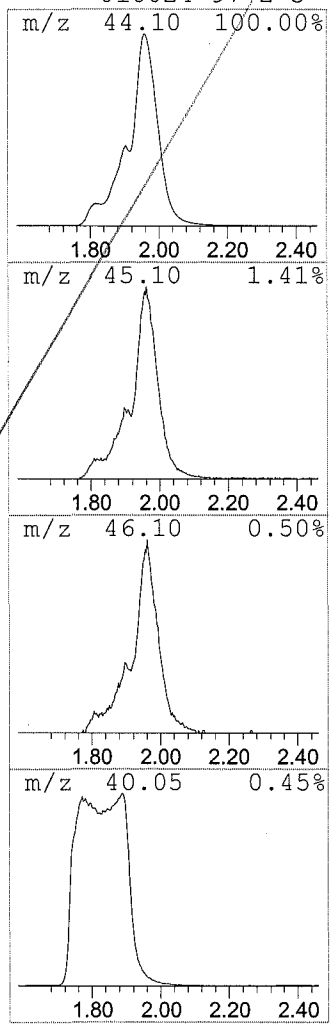
Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	231.28 ug/L	17994900	1,4-Difluorobenzene	6.66

CO2

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Carbon dioxide	44	CO2	000124-38-9	3
4	Nitrous Oxide	44	N2O	010024-97-2	3





000000259

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3995.D Vial: 44
Acq On : 08/13/2010 1618 Operator: AC
Sample : 0012602-17 Inst : F-5973
Misc : F3KF3 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

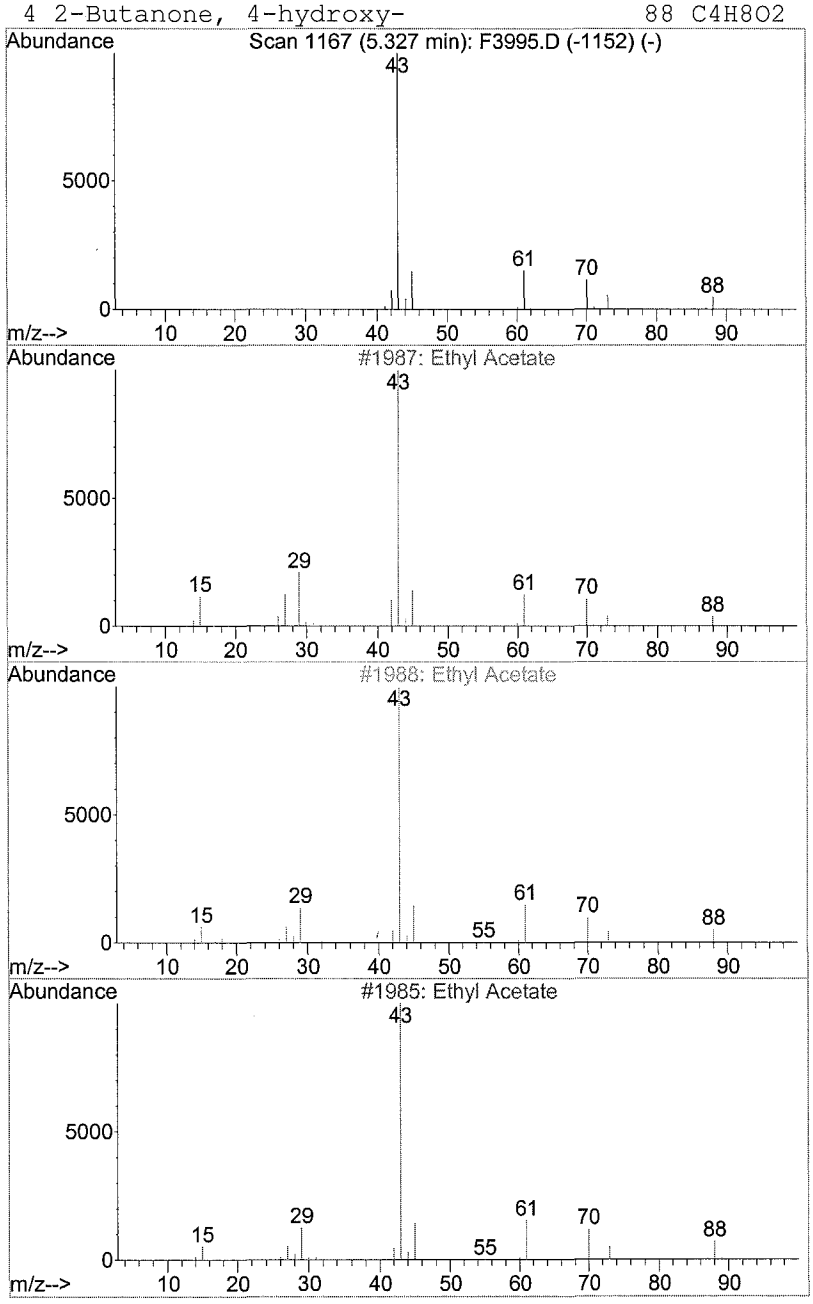
Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

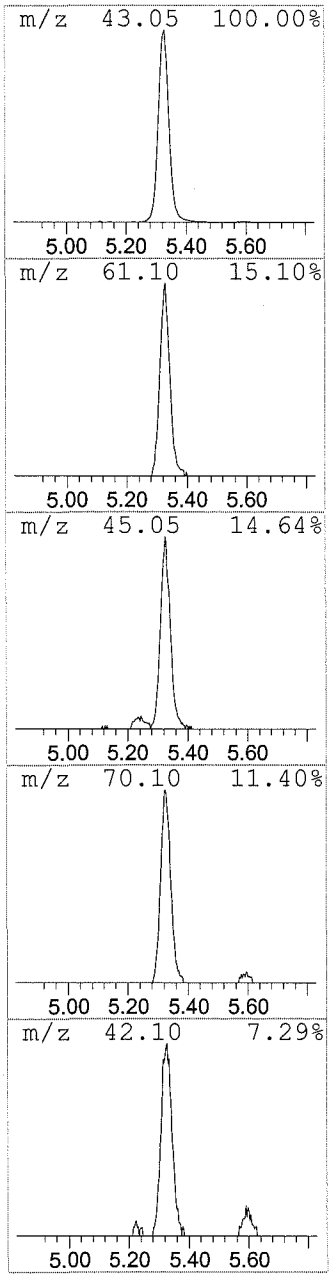
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.33	3.22 ug/L	250751	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	90
3	Ethyl Acetate	88	C4H8O2	000141-78-6	83
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	9





000000260

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3995.D
Acq On : 08/13/2010 1618
Sample : 0012602-17
Misc : F3KF3 25ML
MS Integration Params: Lscint.p

Vial: 44
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

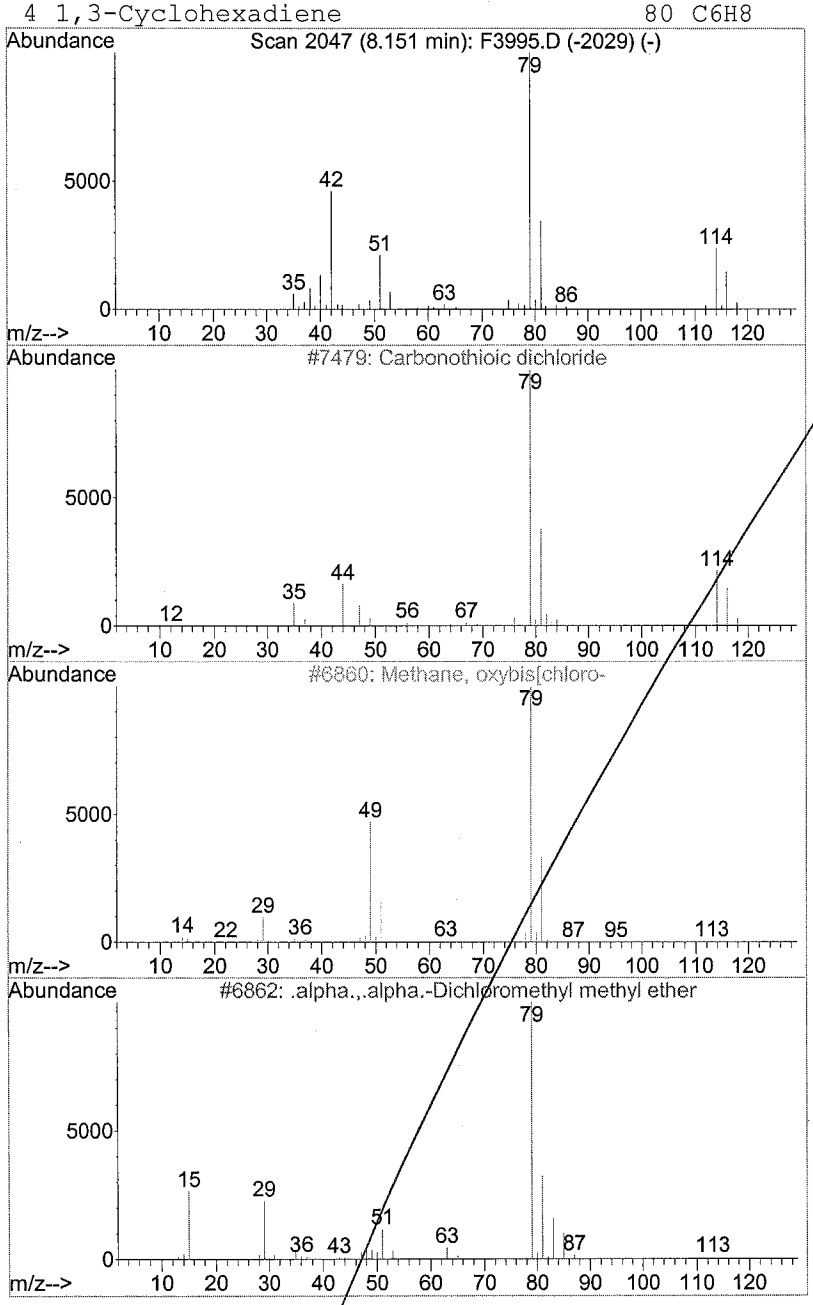
****

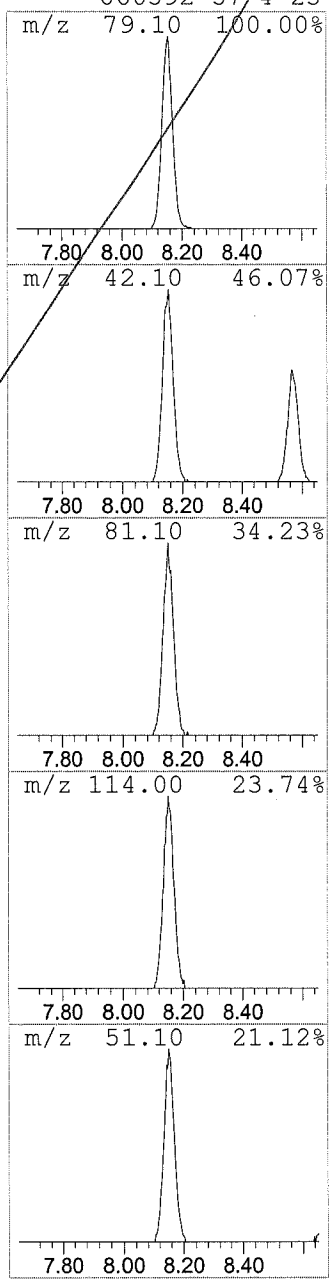
Peak Number 3 Carbonothioic dichloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.10 ug/L	241158	1,4-Difluorobenzene	6.66

Same as left

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	38
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	25
3	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	25
4	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25





000000261

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3995.D Vial: 44
Acq On : 08/13/2010 1618 Operator: AC
Sample : 0012602-17 Inst : F-5973
Misc : F3KF3 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

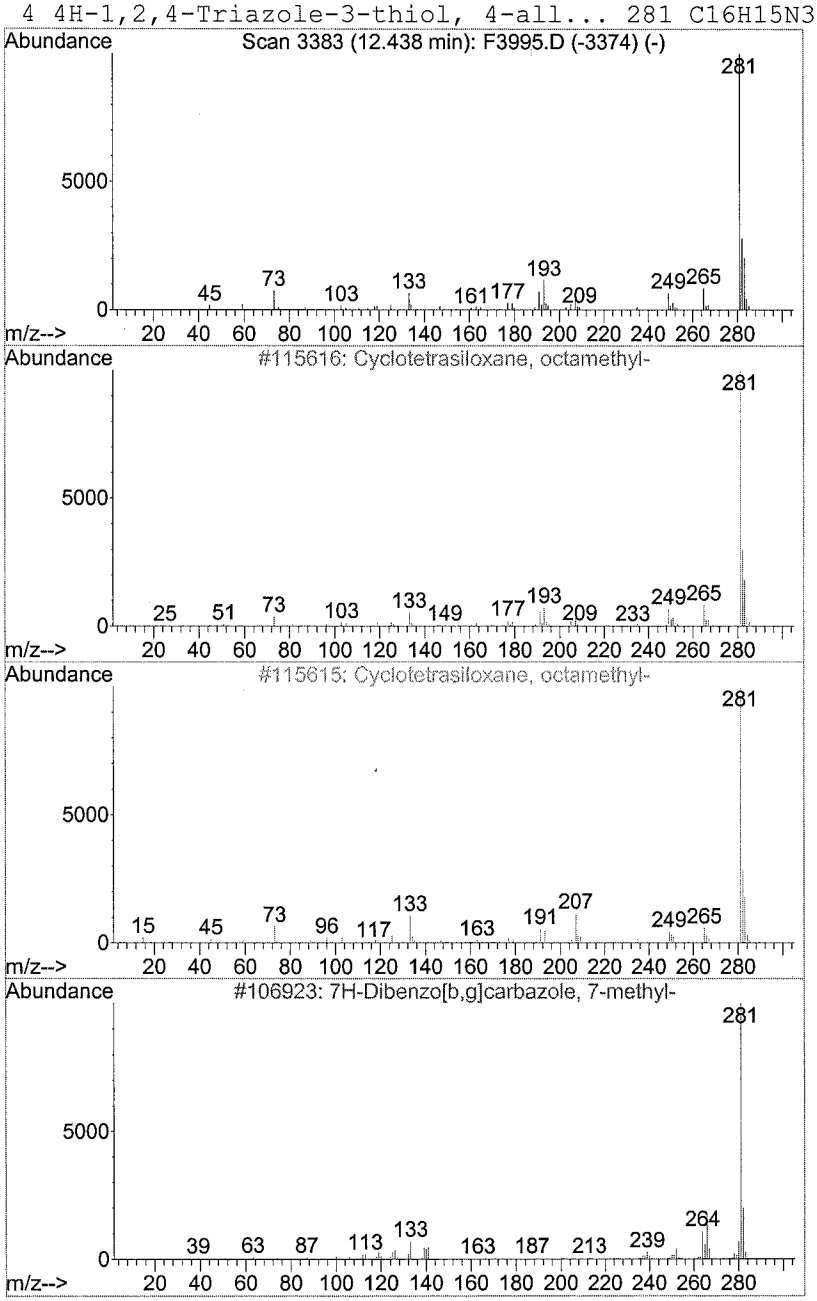
Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

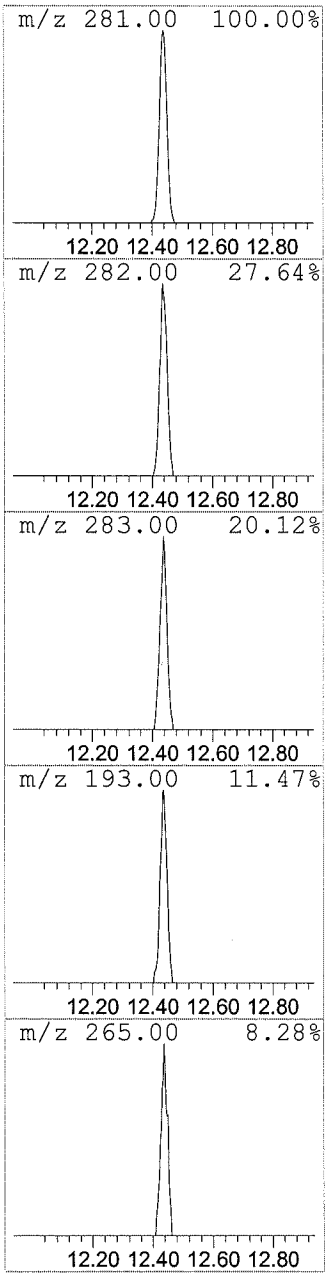
****

Peak Number 4 Cyclotetrasiloxane, octamet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	1.46 ug/L	117856	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	78
2	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	64
3	7H-Dibenzo[b,g]carbazole, 7-methyl-	281	C21H15N	003557-49-1	50
4	4H-1,2,4-Triazole-3-thiol, 4-all...	281	C16H15N3S	031803-13-1	50





000000262

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 16:18
Data File: C:\MSDCHEM\1\DATA\F3995.D
Name: 0012602-17
Misc: F3KF3 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.96	231.3	ug/L	17994900	1	6.66	389032	5.0
Ethyl Acetate	5.33	3.2	ug/L	250751	1	6.66	389032	5.0
Carbonothioic dic...	8.15	3.1	ug/L	241158	1	6.66	389032	5.0
Cyclotetrasiloxan...	12.44	1.5	ug/L	117856	3	13.43	403483	5.0

000000263

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KF4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-18

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3996.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	8.6	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	1.2	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KF4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-18

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3996.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.13	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KF4

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-18

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3996.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.32	3.8	JN
02	000556-67-2	Cyclotetrasiloxane, octamet.	12.44	1.4	JN
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3996.D
Acq On : 08/13/2010 1647
Sample : 0012602-18
Misc : F3KF4 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 17:14:20 2010

Vial: 45
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	165835	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.70	117	143622	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	69418	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	54530	6.5518 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 131.04%#		
7) Chloroethane-d5	2.81	69	54648	7.2123 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 144.25%#		
10) 1,1-Dichloroethene-d2	3.55	63	62402	4.2339 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 84.68%		
20) 2-Butanone-d5	5.23	46	30572	40.4714 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 80.94%		
24) Chloroform-d	5.59	84	83341	5.0660 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 101.32%		
26) 1,2-Dichloroethane-d4	6.19	65	38963	4.2478 ug/L	0.01
Spiked Amount 5.0000	Range 78 - 129		Recovery = 84.96%		
32) Benzene-d6	6.20	84	186350	5.5522 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 111.04%		
35) 1,2-Dichloropropane-d6	7.17	67	48420	4.4610 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 89.22%		
41) Toluene-d8	8.57	98	171718	5.2613 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 105.23%		
43) trans-1,3-Dichloropropene-	8.93	79	41485	4.2505 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 85.01%		
47) 2-Hexanone-d5	9.52	63	22613	39.4497 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 78.90%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	26863	3.6084 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 72.17%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	50500	5.0158 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 100.32%		

Target Compounds					Qvalue
13) Acetone	3.62	43	15045	8.5684 ug/L	95
16) Methylene Chloride	4.02	84	11231	1.2251 ug/L	99
46) Tetrachloroethene	9.43	164	1200	0.1273 ug/L	95

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

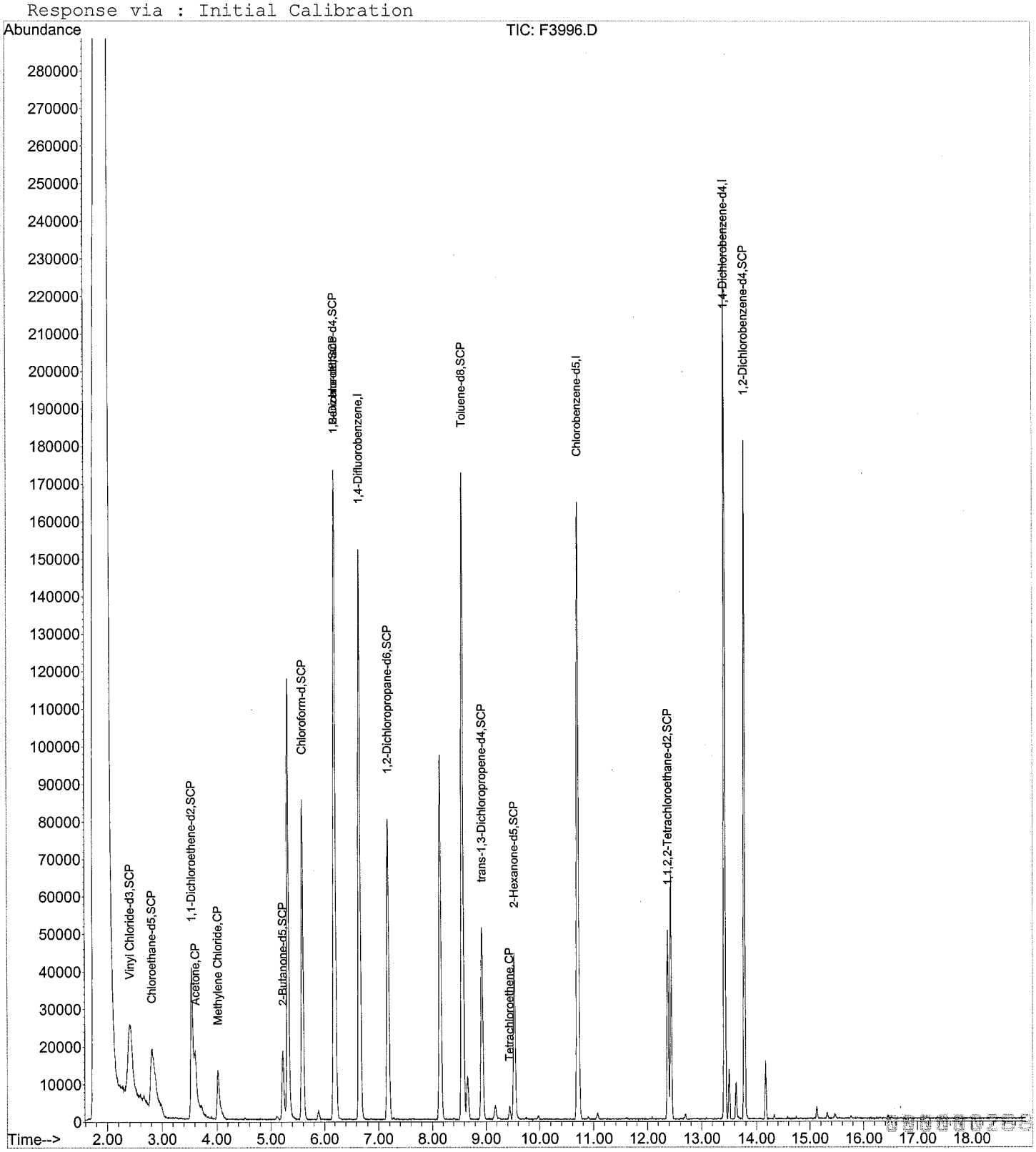
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3996.D
Acq On : 08/13/2010 1647
Sample : 0012602-18
Misc : F3KF4 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 17:15 2010

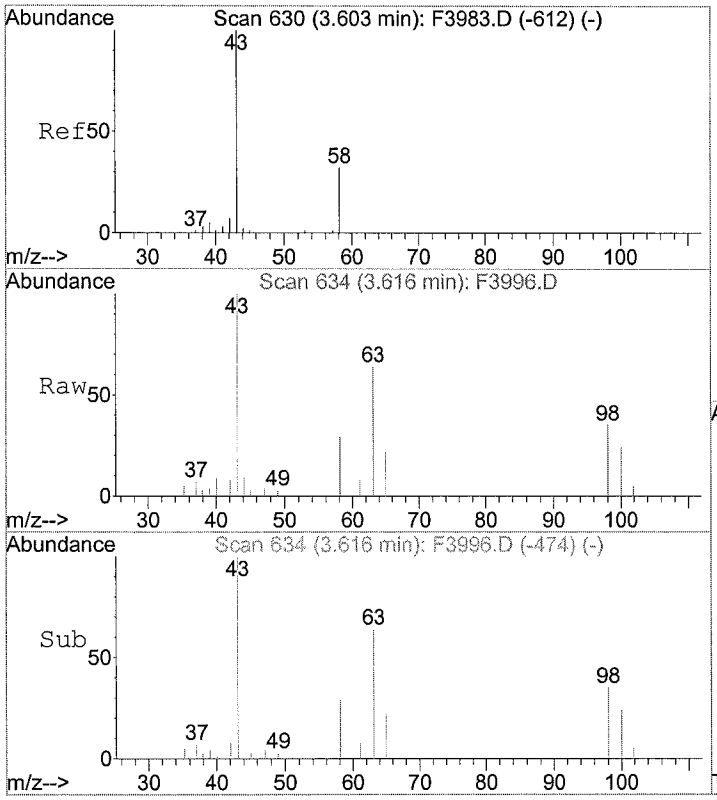
Vial: 45
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



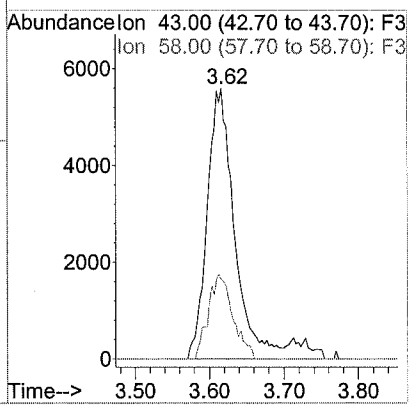
Data File : C:\MSDCHEM\1\DATA\F3996.D Vial: 45
Acq On : 08/13/2010 1647 Operator: AC
Sample : 0012602-18 Inst : F-5973
Misc : F3KF4 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

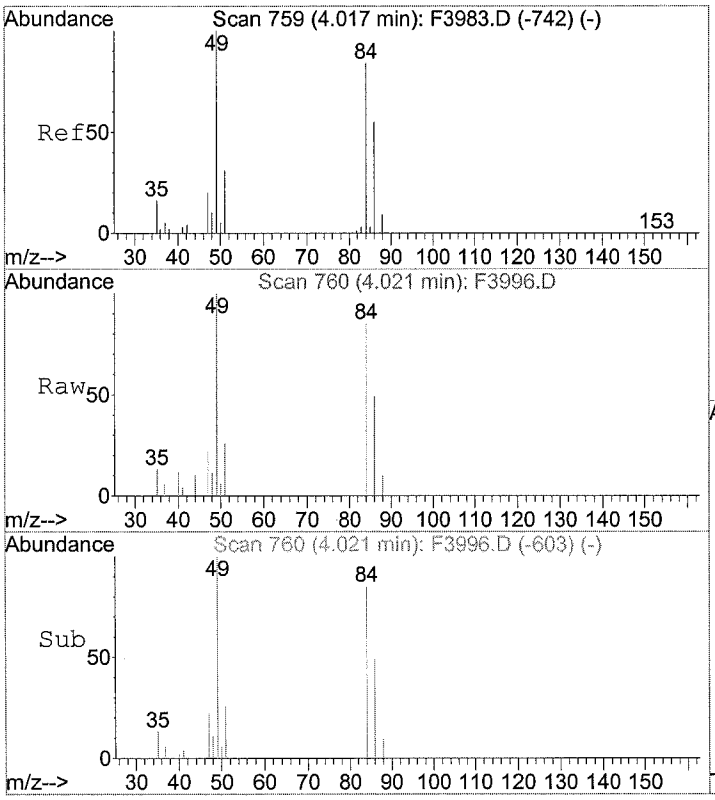


#13
Acetone
Concen: 8.5684 ug/L
RT: 3.62 min Scan# 634
Delta R.T. 0.01 min
Lab File: F3996.D
Acq: 13 Aug 2010 16:47

Tgt Ion: 43 Resp: 15045

Ion	Ratio	Lower	Upper
43	100		
58	26.8	9.3	49.3

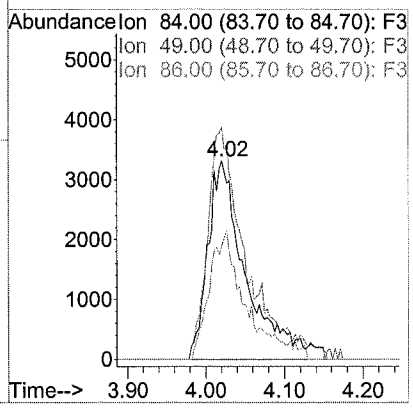




#16
Methylene Chloride
Concen: 1.2251 ug/L
RT: 4.02 min Scan# 760
Delta R.T. 0.00 min
Lab File: F3996.D
Acq: 13 Aug 2010 16:47

Tgt Ion: 84 Resp: 11231

Ion	Ratio	Lower	Upper
84	100		
49	117.7	97.6	137.6
86	61.7	44.0	84.0



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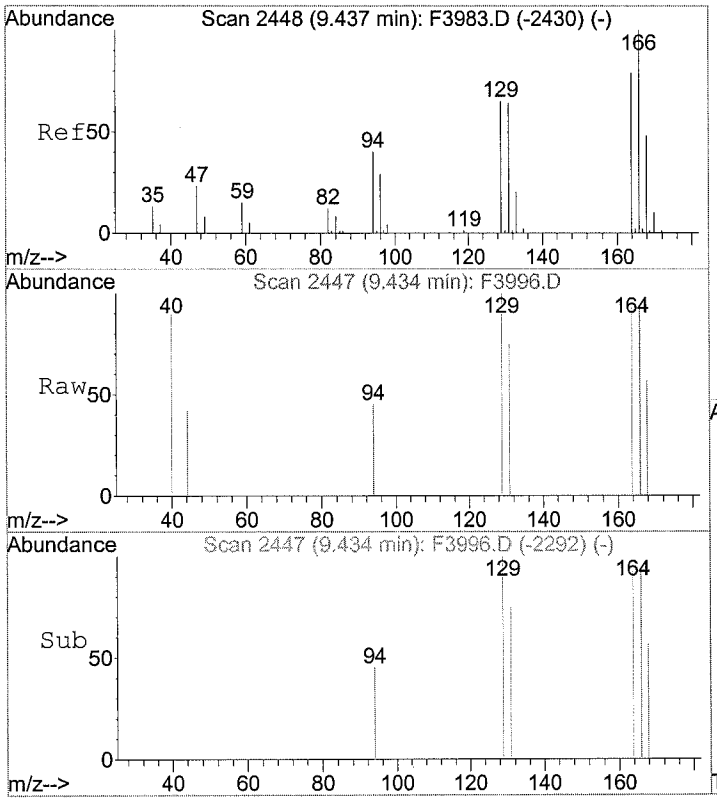
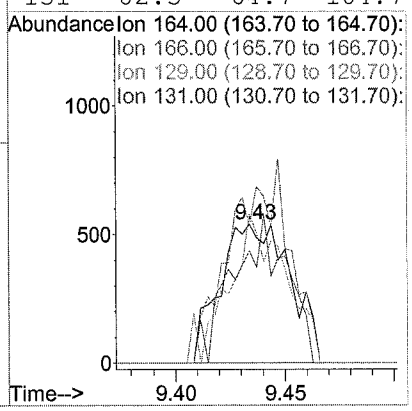
```
   Data File : C:\MSDCHEM\1\DATA\F3996.D                    Vial: 45
   Acq On    : 08/13/2010  1647                         Operator: AC
   Sample    : 0012602-18                               Inst    : F-5973
   Misc      : F3KF4    25ML                            Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title     : CLP SOM1.X-TRACE VOA-WATER  -25ML
```



#46
Tetrachloroethene
Concen: 0.1273 ug/L
RT: 9.43 min Scan# 2447
Delta R.T. -0.00 min
Lab File: F3996.D
Acq: 13 Aug 2010 16:47

Tgt Ion:164 Resp: 1200

Ion	Ratio	Lower	Upper
164	100		
166	119.8	108.7	148.7
129	84.3	68.9	108.9
131	82.3	64.7	104.7



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LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3996.D Vial: 45
Acq On : 08/13/2010 1647 Operator: AC
Sample : 0012602-18 Inst : F-5973
Misc : F3KF4 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 40
Stop Thrs : 0.5 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.957	37	117	476	rVB	2197705	16299880	100.00%	79.399%
2	3.241	504	517	534	rVB3	598	1756	0.01%	0.009%
3	3.549	596	613	687	rBV3	40287	188605	1.16%	0.919%
4	3.793	687	689	720	rVB4	1161	2521	0.02%	0.012%
5	4.021	746	760	803	rBV4	13025	44447	0.27%	0.217%
6	5.108	1098	1099	1115	rVB3	1038	1961	0.01%	0.010%
7	5.227	1121	1136	1152	rBV2	18193	46597	0.29%	0.227%
8	5.323	1152	1166	1210	rVB2	117568	282932	1.74%	1.378%
9	5.590	1231	1249	1280	rBV	85243	209666	1.29%	1.021%
10	5.805	1295	1316	1325	rVB2	451	1410	0.01%	0.007%
11	5.888	1332	1342	1353	rVB6	2594	5352	0.03%	0.026%
12	6.199	1418	1439	1484	rVB4	173083	489377	3.00%	2.384%
13	6.661	1565	1583	1614	rVB2	151928	370831	2.28%	1.806%
14	7.172	1724	1742	1768	rBV3	80092	209719	1.29%	1.022%
15	8.150	2030	2047	2077	rBV3	97236	246540	1.51%	1.201%
16	8.571	2158	2178	2196	rBV	172428	438477	2.69%	2.136%
17	8.664	2196	2207	2223	rVB	11595	28074	0.17%	0.137%
18	8.930	2272	2290	2313	rVB2	51081	127141	0.78%	0.619%
19	9.168	2349	2364	2395	rBV3	3855	10636	0.07%	0.052%
20	9.437	2438	2448	2460	rVB6	3520	6947	0.04%	0.034%
21	9.527	2460	2476	2498	rBV2	44276	112277	0.69%	0.547%
22	9.983	2612	2618	2625	rVB3	1177	1692	0.01%	0.008%
23	10.708	2824	2844	2868	rVB2	164530	420544	2.58%	2.049%
24	11.080	2951	2960	2972	rVB4	1757	3237	0.02%	0.016%
25	12.380	3352	3365	3374	rBV2	50245	92253	0.57%	0.449%
26	12.438	3374	3383	3402	rVB2	66501	111871	0.69%	0.545%
27	12.691	3459	3462	3486	rVB4	1458	2157	0.01%	0.011%
28	13.426	3679	3691	3707	rVB	240109	398326	2.44%	1.940%
29	13.503	3707	3715	3736	rBV5	13372	20466	0.13%	0.100%
30	13.628	3743	3754	3766	rBV4	9842	16253	0.10%	0.079%
31	13.779	3788	3801	3825	rBV	180853	298279	1.83%	1.453%
32	14.170	3912	3923	3934	rVB2	15616	21128	0.13%	0.103%
33	14.334	3967	3974	3980	rBV3	1243	1482	0.01%	0.007%
34	15.123	4214	4220	4234	rVB7	3233	4912	0.03%	0.024%
35	15.326	4274	4283	4291	rBV2	1638	2669	0.02%	0.013%
36	15.457	4321	4324	4341	rVB4	1425	2645	0.02%	0.013%
37	15.765	4414	4420	4431	rBV4	815	1455	0.01%	0.007%
38	16.449	4627	4633	4645	rVB2	1113	1766	0.01%	0.009%
39	18.451	5238	5257	5262	rVB3	455	1434	0.01%	0.007%

000000271

40	18.695	5326	5333	5347	rVB3	474	1396	0.01%	0.007%

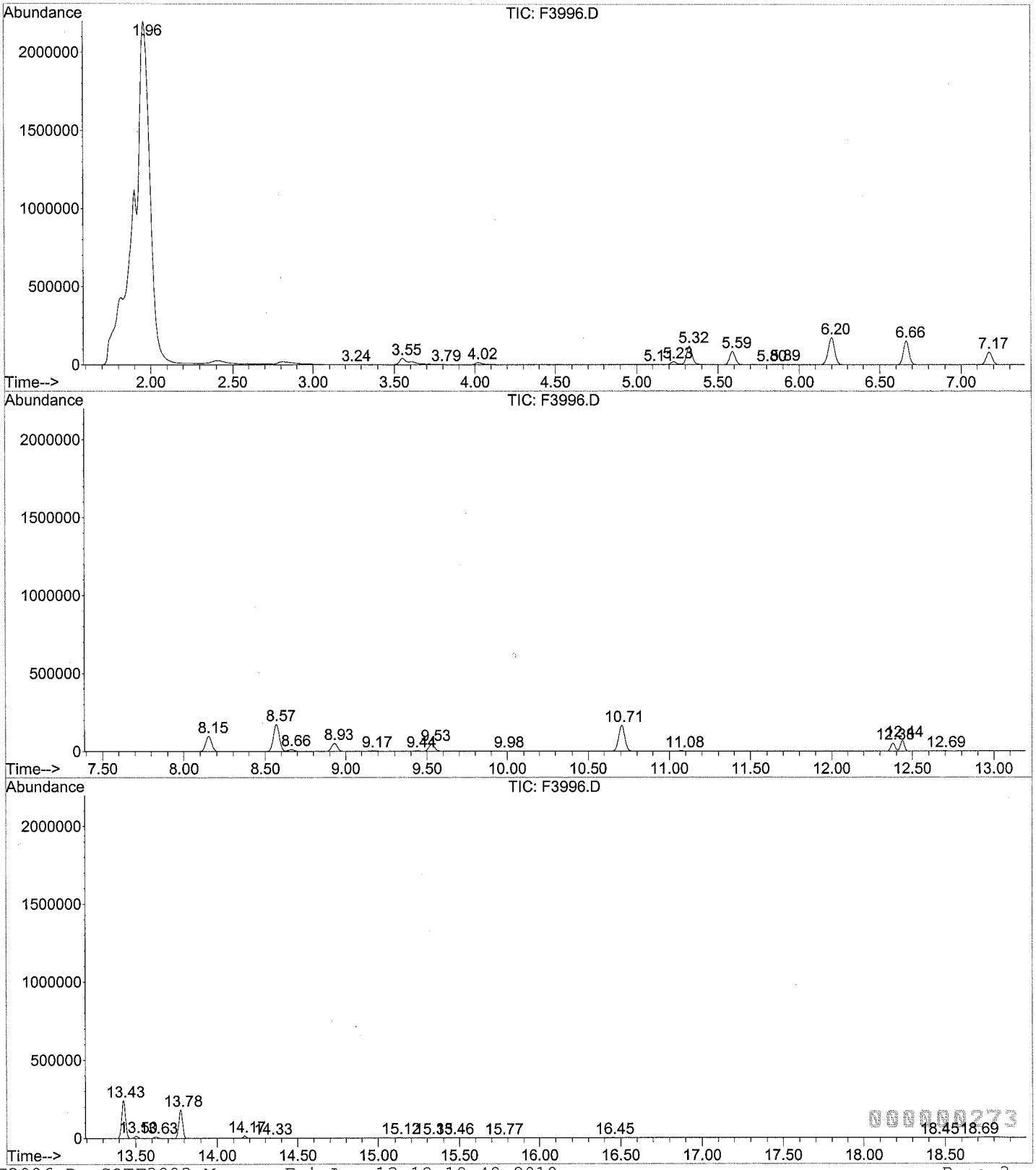
Sum of corrected areas: 20529111

000000272

LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3996.D
Acq On : 08/13/2010 1647
Sample : 0012602-18
Misc : F3KF4 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 45
Operator: AC
Inst : F-5973
Multiplr: 1.00



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3996.D Vial: 45
Acq On : 08/13/2010 1647 Operator: AC
Sample : 0012602-18 Inst : F-5973
Misc : F3KF4 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

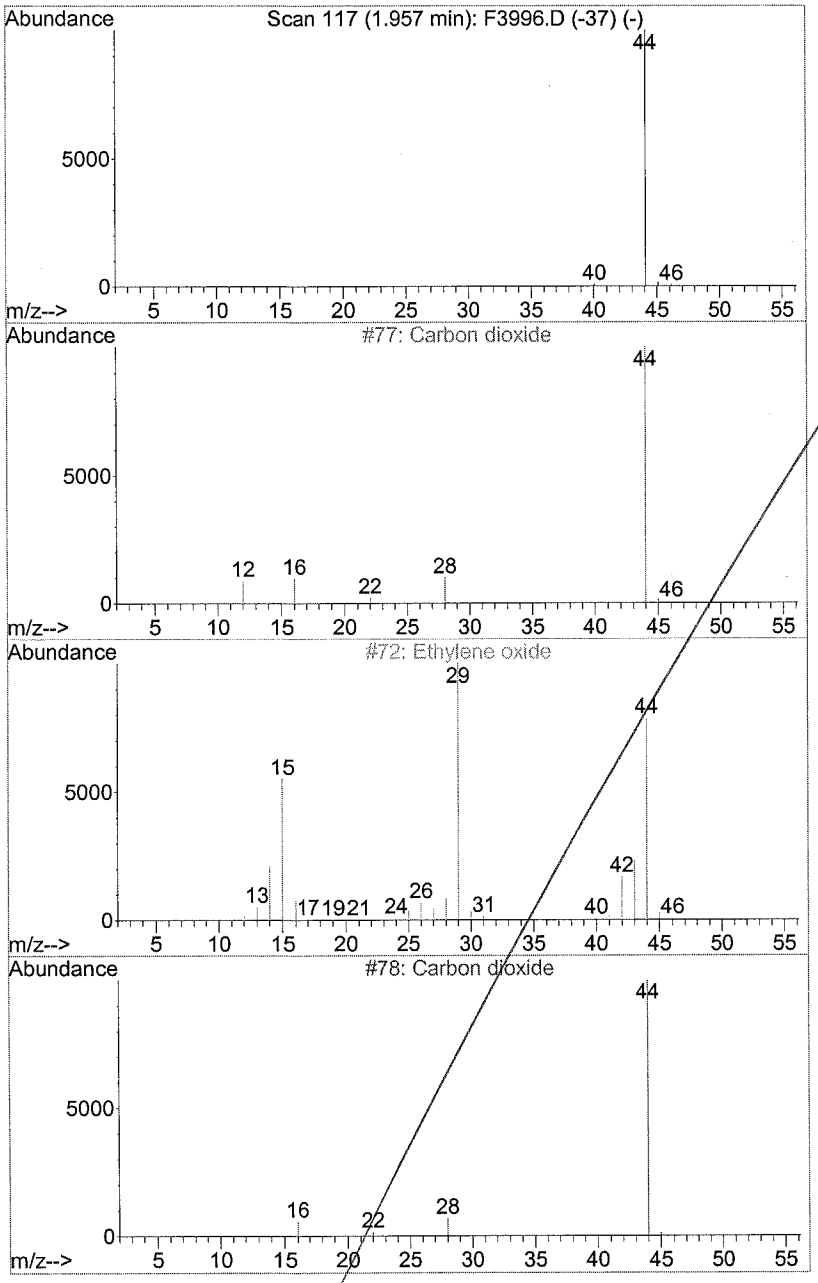
****

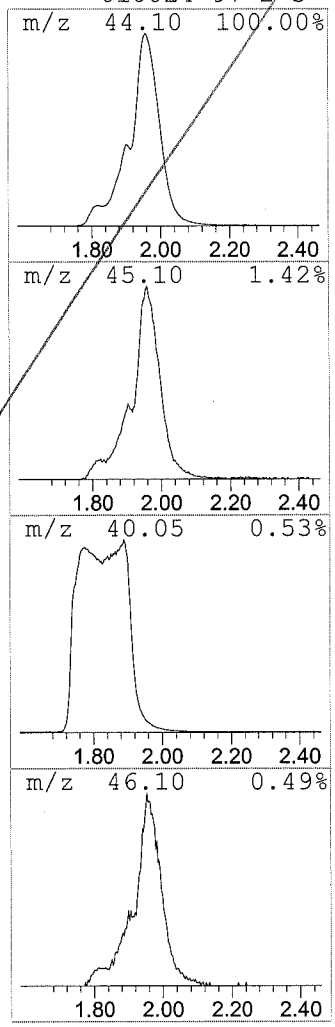
Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	219.78 ug/L	16299900	1,4-Difluorobenzene	6.66

CO2

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Carbon dioxide	44	CO2	000124-38-9	3
4	Nitrous Oxide	44	N2O	010024-97-2	3





000000274

Library Search Compound Report

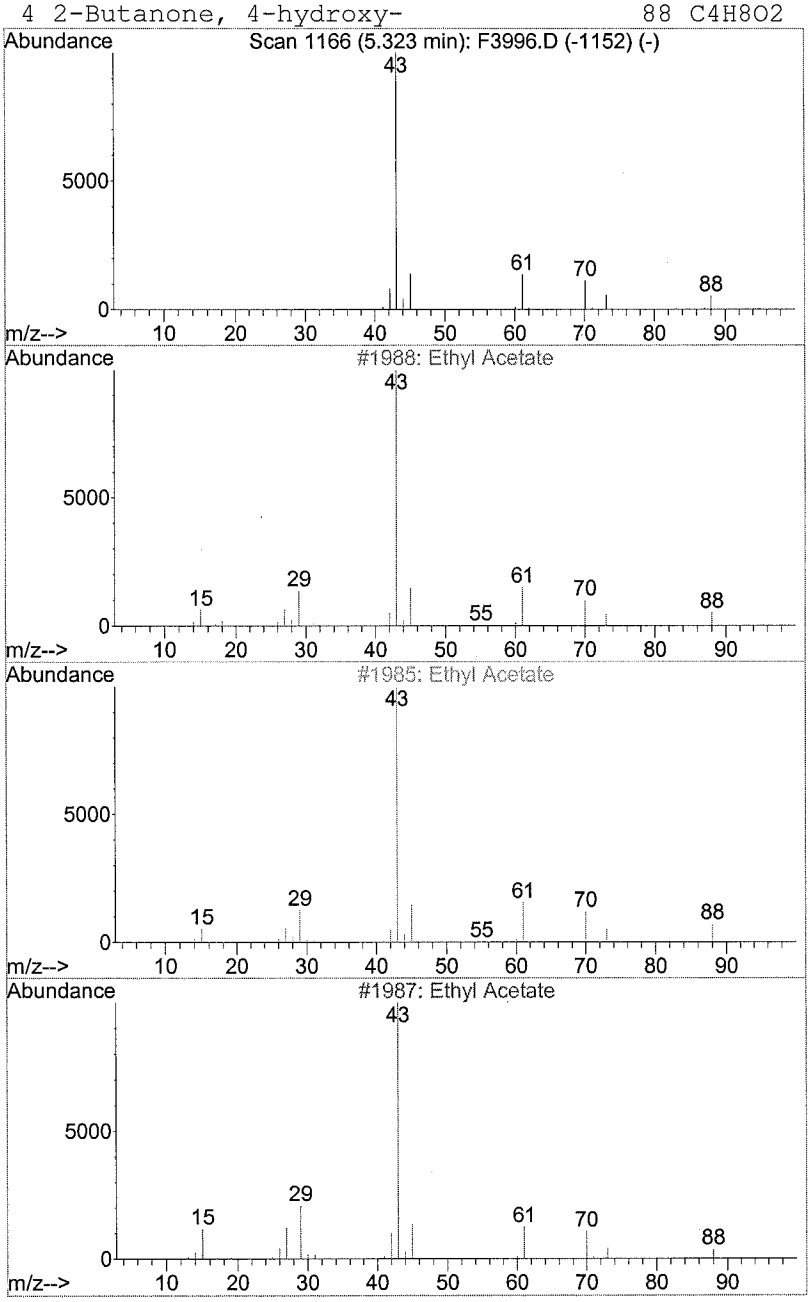
```
   Data File : C:\MSDCHEM\1\DATA\F3996.D                    Vial: 45
   Acq On    : 08/13/2010  1647                          Operator: AC
   Sample    : 0012602-18                                Inst    : F-5973
   Misc      : F3KF4    25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
```

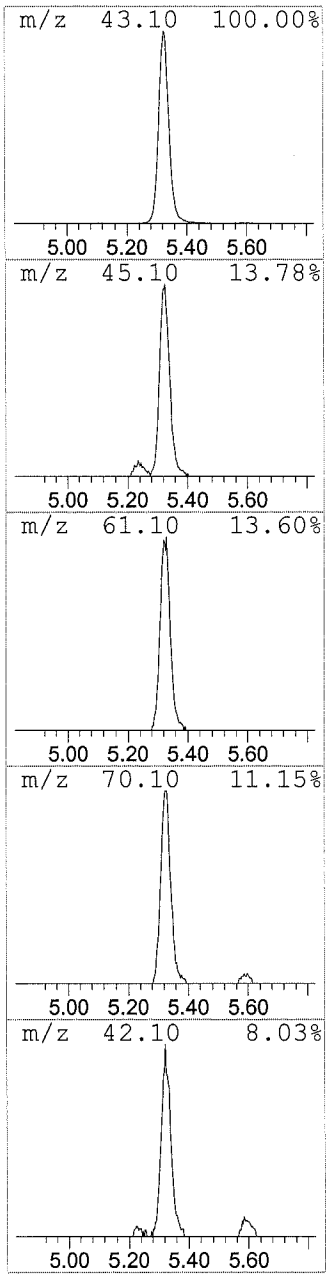
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	3.81 ug/L	282932	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	86
3	Ethyl Acetate	88	C4H8O2	000141-78-6	86
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	53





000000275

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3996.D Vial: 45
Acq On : 08/13/2010 1647 Operator: AC
Sample : 0012602-18 Inst : F-5973
Misc : F3KF4 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

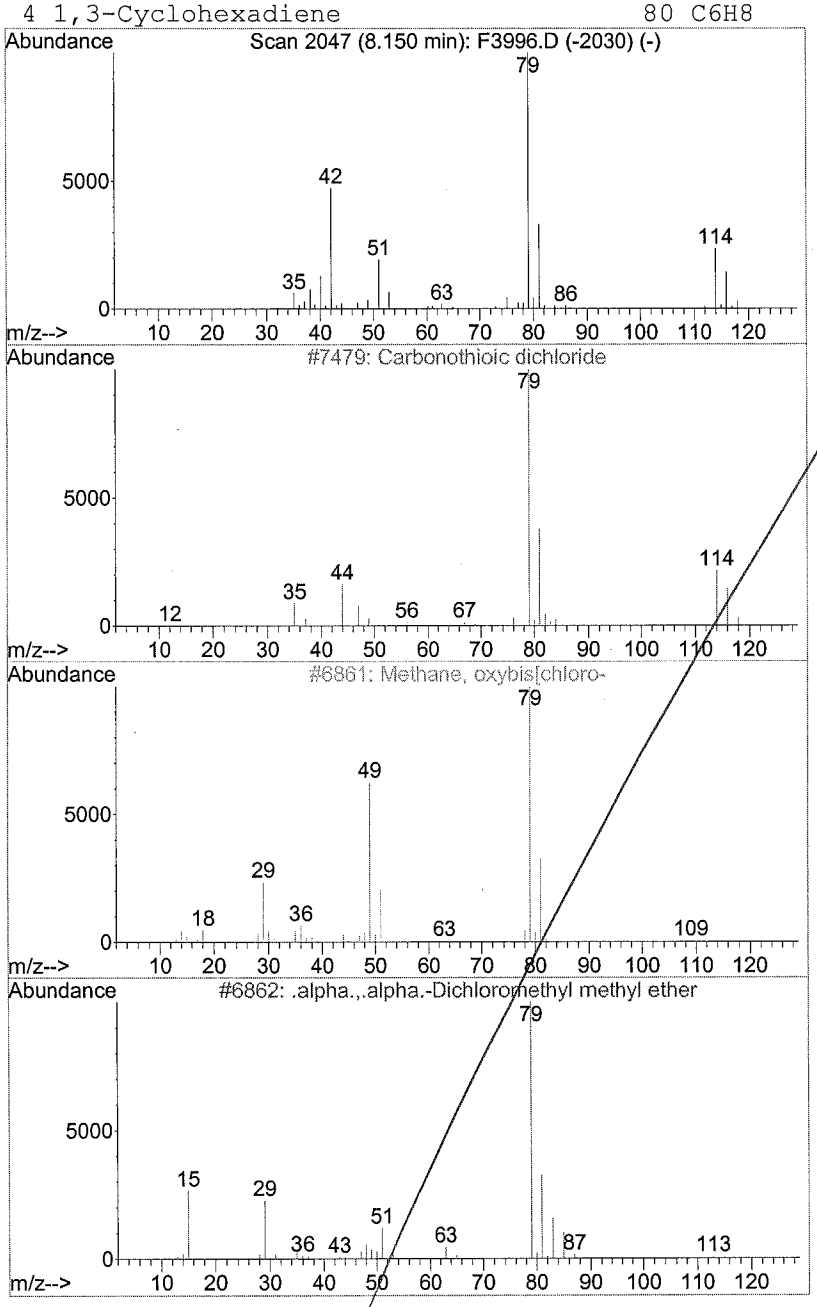
****

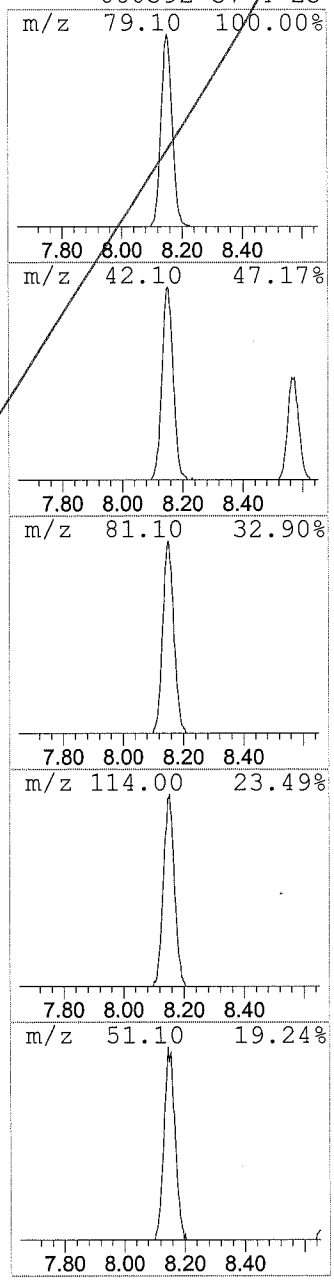
Peak Number 3 Carbonothioic dichloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.32 ug/L	246540	1,4-Difluorobenzene	6.66

Bmu adjacent

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	47
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	38
3	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	25
4	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25





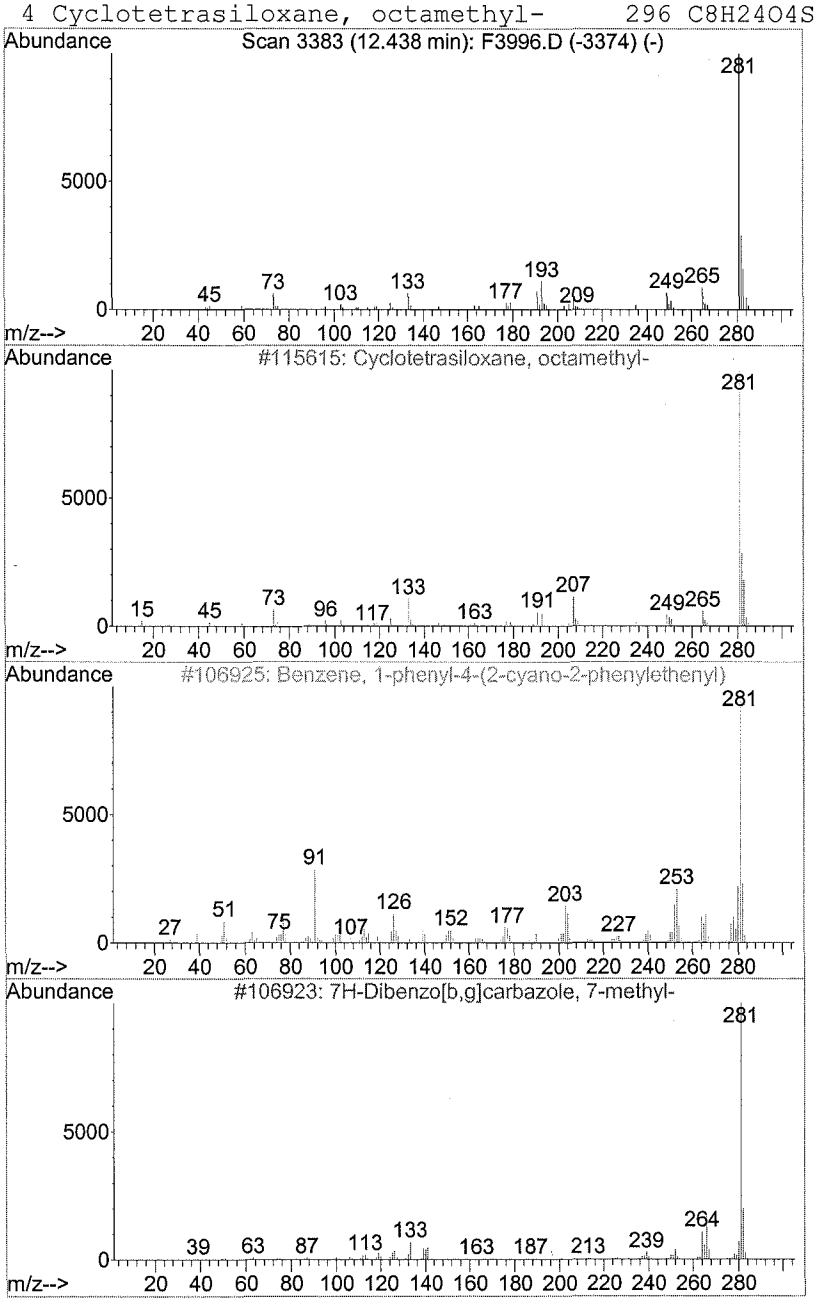
000000276

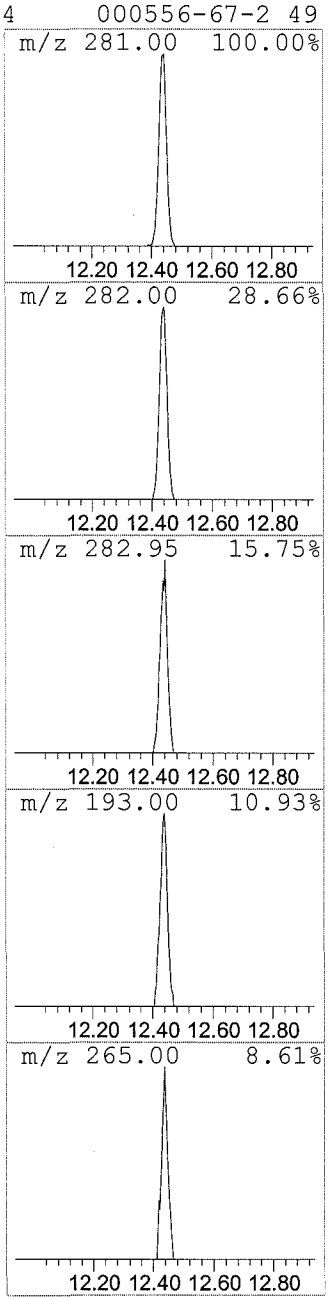
Library Search Compound Report

```
   Data File : C:\MSDCHEM\1\DATA\F3996.D                    Vial: 45
   Acq On    : 08/13/2010  1647                          Operator: AC
   Sample    : 0012602-18                                Inst    : F-5973
   Misc      : F3KF4    25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  4  Cyclotetrasiloxane, octamet...  Concentration Rank  4
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	1.40 ug/L	111871	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	86
2	Benzene, 1-phenyl-4-(2-cyano-2-p...	281	C21H15N	027869-56-3	59
3	7H-Dibenzo[b,g]carbazole, 7-methyl-	281	C21H15N	003557-49-1	53
4	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	49





000000277

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 16:47
Data File: C:\MSDCHEM\1\DATA\F3996.D
Name: 0012602-18
Misc: F3KF4 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard---| #	RT	Resp	Conc|
Carbon dioxide	1.96	219.8	ug/L	16299900	1	6.66	370831	5.0
Ethyl Acetate	5.32	3.8	ug/L	282932	1	6.66	370831	5.0
Carbonothioic dic...	8.15	3.3	ug/L	246540	1	6.66	370831	5.0
Cyclotetrasiloxan...	12.44	1.4	ug/L	111871	3	13.43	398326	5.0

000000278

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KF5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-19

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3997.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	9.6	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	1.1	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KF5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-19

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3997.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KF5

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-19

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3997.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	000141-78-6	Ethyl Acetate	5.32	3.6	JN
02		Unknown-01 (13.43)	12.44	1.6	J
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3997.D
Acq On : 08/13/2010 1716
Sample : 0012602-19
Misc : F3KF5 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 17:37:09 2010

Vial: 46
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	160806	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	136017	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	65177	5.0000 ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.41	65	50956	6.3139 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 126.28%		
7) Chloroethane-d5	2.83	69	51228	6.9724 ug/L	0.03
Spiked Amount 5.0000	Range 71 - 131		Recovery = 139.45%#		
10) 1,1-Dichloroethene-d2	3.55	63	58426	4.0881 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 81.76%		
20) 2-Butanone-d5	5.22	46	27786	37.9336 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 75.87%		
24) Chloroform-d	5.59	84	76886	4.8198 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 96.40%		
26) 1,2-Dichloroethane-d4	6.19	65	35349	3.9743 ug/L	0.01
Spiked Amount 5.0000	Range 78 - 129		Recovery = 79.49%		
32) Benzene-d6	6.20	84	172836	5.4375 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 108.75%		
35) 1,2-Dichloropropane-d6	7.17	67	44614	4.3401 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 86.80%		
41) Toluene-d8	8.57	98	157184	5.0852 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 101.70%		
43) trans-1,3-Dichloropropene-	8.93	79	36590	3.9585 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 79.17%		
47) 2-Hexanone-d5	9.53	63	20147	37.1128 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 74.23%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	23444	3.3253 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 66.51%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	45522	4.8156 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 96.31%		

Target Compounds					Qvalue
13) Acetone	3.62	43	16394	9.6286 ug/L	98
16) Methylene Chloride	4.02	84	9458	1.0640 ug/L	97

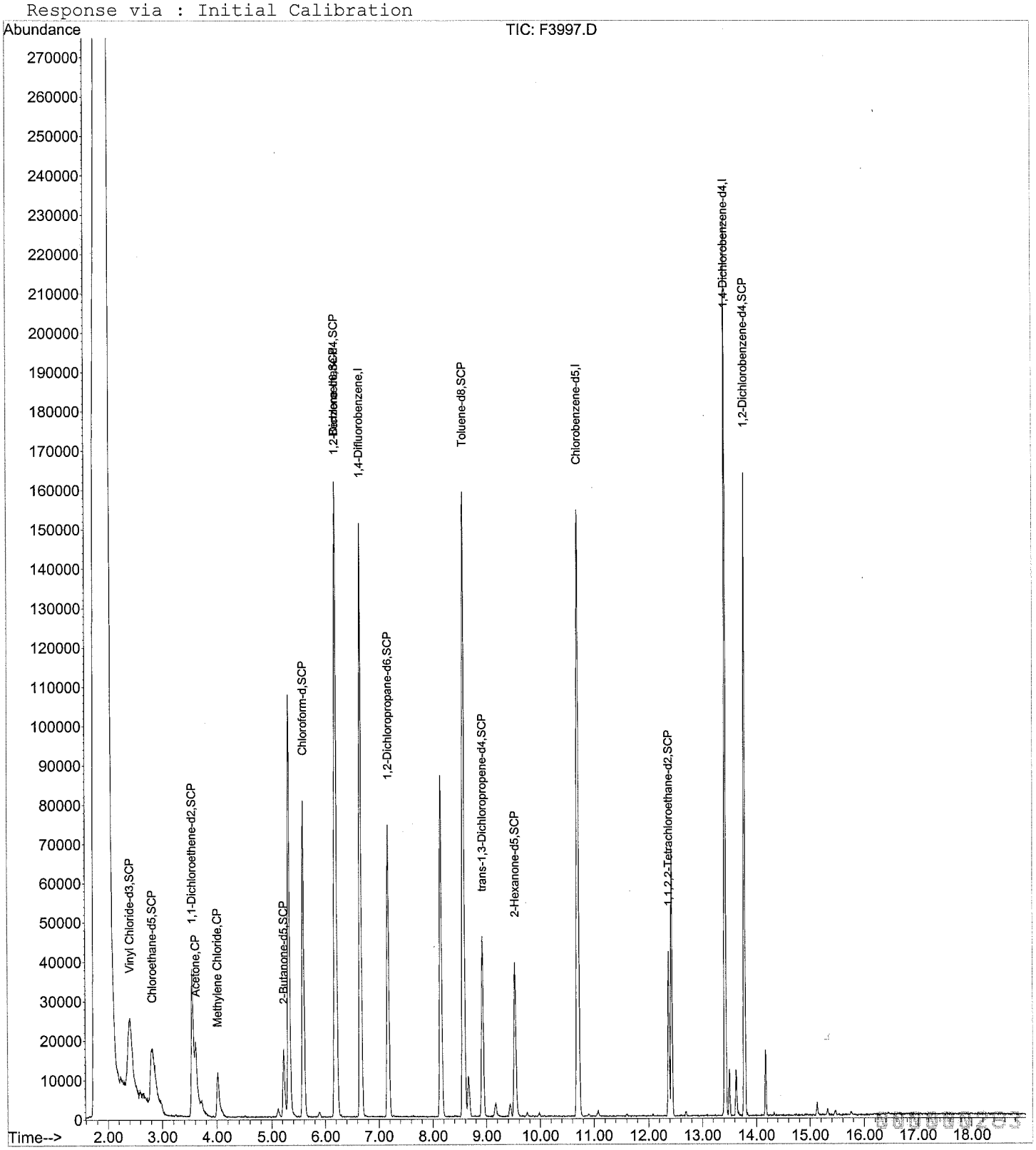
000000282

(#) = qualifier out of range (m) = manual integration (+) = signals summed

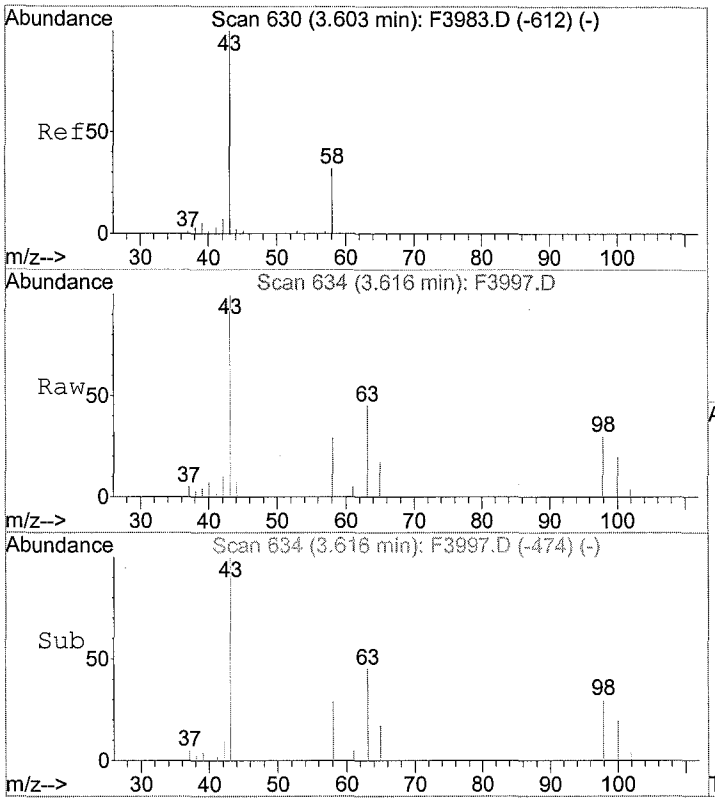
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3997.D Vial: 46
Acq On : 08/13/2010 1716 Operator: AC
Sample : 0012602-19 Inst : F-5973
Misc : F3KF5 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 17:38 2010 Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



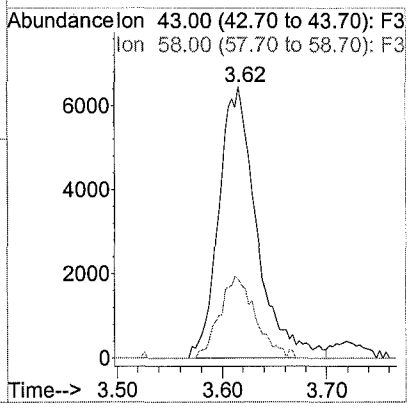
Data File : C:\MSDCHEM\1\DATA\F3997.D Vial: 46
Acq On : 08/13/2010 1716 Operator: AC
Sample : 0012602-19 Inst : F-5973
Misc : F3KF5 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

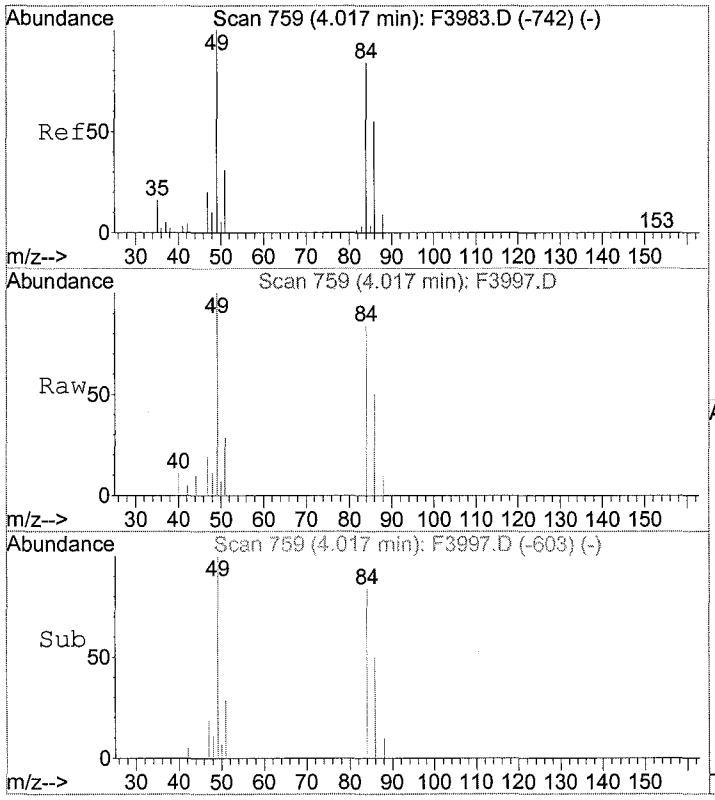


#13
Acetone
Concen: 9.6286 ug/L
RT: 3.62 min Scan# 634
Delta R.T. 0.01 min
Lab File: F3997.D
Acq: 13 Aug 2010 17:16

Tgt Ion: 43 Resp: 16394

Ion	Ratio	Lower	Upper
43	100		
58	28.0	9.3	49.3

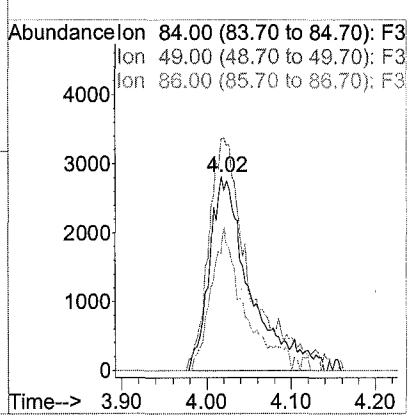




#16
Methylene Chloride
Concen: 1.0640 ug/L
RT: 4.02 min Scan# 759
Delta R.T. -0.00 min
Lab File: F3997.D
Acq: 13 Aug 2010 17:16

Tgt Ion: 84 Resp: 9458

Ion	Ratio	Lower	Upper
84	100		
49	119.7	97.6	137.6
86	60.9	44.0	84.0



000000284

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3997.D
Acq On : 08/13/2010 1716
Sample : 0012602-19
Misc : F3KF5 25ML
MS Integration Params: Lscint.p

Vial: 46
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.5

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.957	37	117	370	rBV	2116381	15964820	100.00%	79.809%
2	2.820	370	386	473	rVB4	17162	129076	0.81%	0.645%
3	3.546	597	612	685	rBV5	37248	179270	1.12%	0.896%
4	3.783	685	686	732	rVB4	1364	3332	0.02%	0.017%
5	4.021	747	760	793	rBV2	11147	35289	0.22%	0.176%
6	4.284	813	842	852	rVB2	399	1694	0.01%	0.008%
7	5.121	1099	1103	1122	rVB2	1935	2731	0.02%	0.014%
8	5.227	1122	1136	1151	rVV	16944	40430	0.25%	0.202%
9	5.323	1151	1166	1207	rVB2	107339	255557	1.60%	1.278%
10	5.590	1232	1249	1278	rVB2	80460	193937	1.21%	0.969%
11	5.885	1332	1341	1352	rVB4	1394	2995	0.02%	0.015%
12	6.199	1416	1439	1467	rBV4	161509	448739	2.81%	2.243%
13	6.661	1565	1583	1610	rBV2	150920	358360	2.24%	1.791%
14	7.175	1725	1743	1769	rVB2	74214	191894	1.20%	0.959%
15	8.150	2029	2047	2086	rVB3	86886	221384	1.39%	1.107%
16	8.571	2156	2178	2197	rBV	158999	404969	2.54%	2.024%
17	8.657	2197	2205	2229	rVB3	10199	23888	0.15%	0.119%
18	8.930	2272	2290	2311	rVB3	45772	111986	0.70%	0.560%
19	9.174	2354	2366	2390	rVB2	3554	8889	0.06%	0.044%
20	9.437	2439	2448	2459	rBV5	3125	6743	0.04%	0.034%
21	9.530	2459	2477	2503	rVB2	39127	100276	0.63%	0.501%
22	10.705	2823	2843	2876	rVB	154302	398338	2.50%	1.991%
23	11.077	2950	2959	2972	rVB3	1521	2555	0.02%	0.013%
24	12.380	3353	3365	3374	rBV3	41846	78276	0.49%	0.391%
25	12.438	3374	3383	3399	rVB2	68645	115696	0.72%	0.578%
26	12.697	3456	3464	3471	rBV3	1225	1852	0.01%	0.009%
27	13.429	3680	3692	3708	rVB	228259	372017	2.33%	1.860%
28	13.506	3708	3716	3727	rVB7	11837	16885	0.11%	0.084%
29	13.622	3744	3752	3770	rBV2	11633	19336	0.12%	0.097%
30	13.779	3786	3801	3813	rBV	163749	266456	1.67%	1.332%
31	14.170	3913	3923	3936	rBV	16722	23611	0.15%	0.118%
32	15.133	4216	4223	4236	rVB7	3255	4974	0.03%	0.025%
33	15.322	4275	4282	4291	rVB2	1692	2543	0.02%	0.013%
34	15.749	4411	4415	4454	rVB4	1122	3904	0.02%	0.020%
35	16.641	4667	4693	4697	rBV3	453	1429	0.01%	0.007%
36	17.196	4863	4866	4884	rVB2	767	1868	0.01%	0.009%
37	17.309	4884	4901	4919	rBV3	634	3020	0.02%	0.015%
38	17.469	4927	4951	4959	rVB3	457	1393	0.01%	0.007%
39	18.406	5236	5243	5266	rVB3	590	1941	0.01%	0.010%

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40	18.762	5345	5354	5371	rVB2	537	1542	0.01%	0.008%

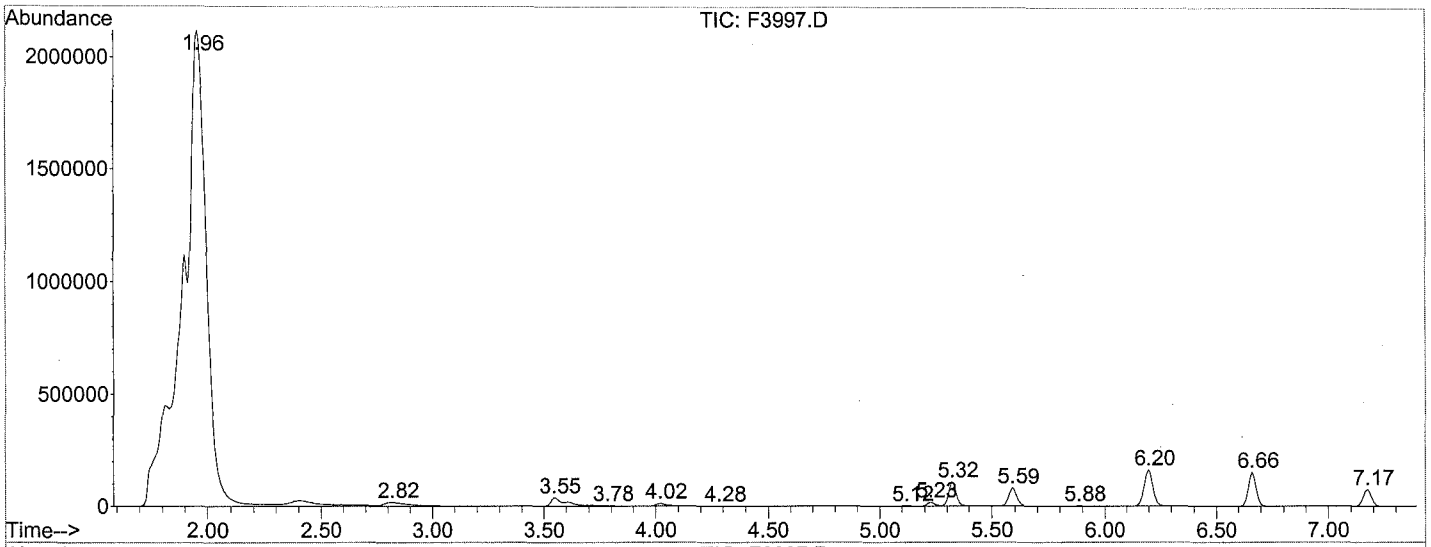
Sum of corrected areas: 20003895

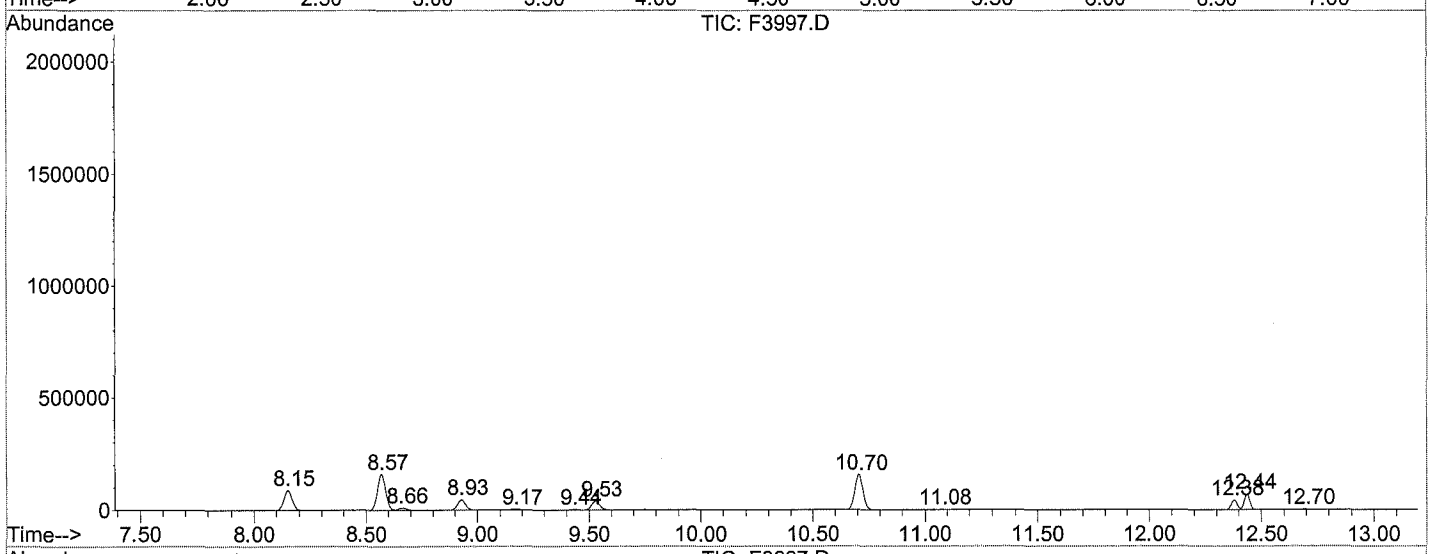
000000286

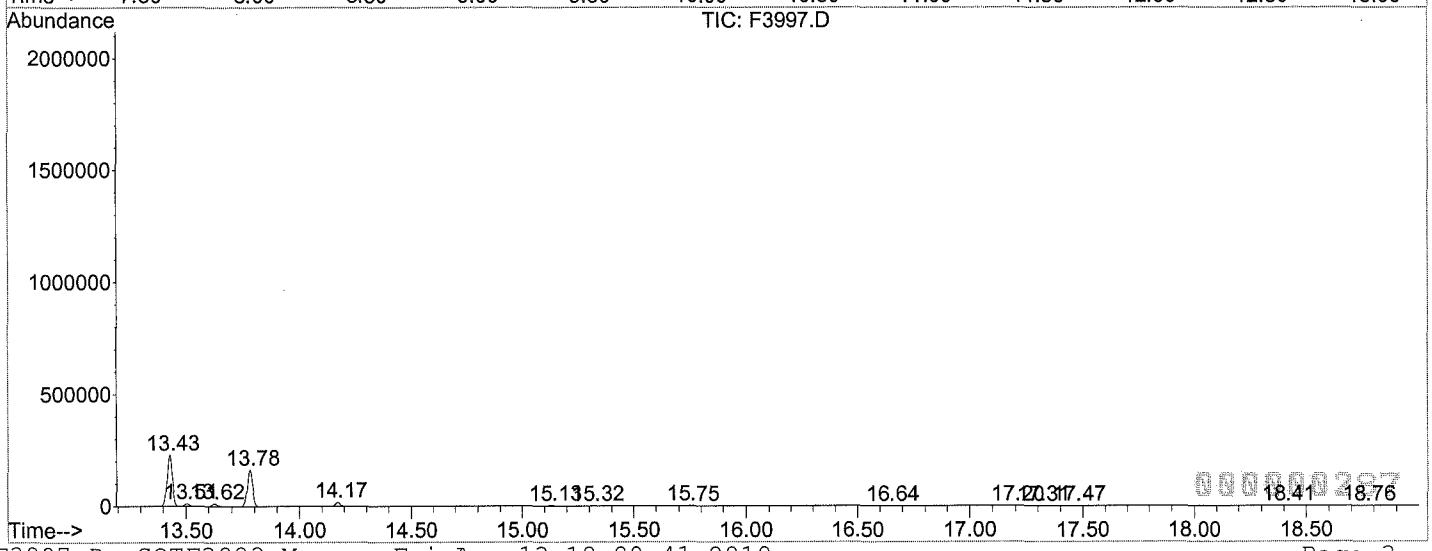
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3997.D
Acq On : 08/13/2010 1716
Sample : 0012602-19
Misc : F3KF5 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 46
Operator: AC
Inst : F-5973
Multiplr: 1.00







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3997.D
Acq On : 08/13/2010 1716
Sample : 0012602-19
Misc : F3KF5 25ML
MS Integration Params: Lscint.p

Vial: 46
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

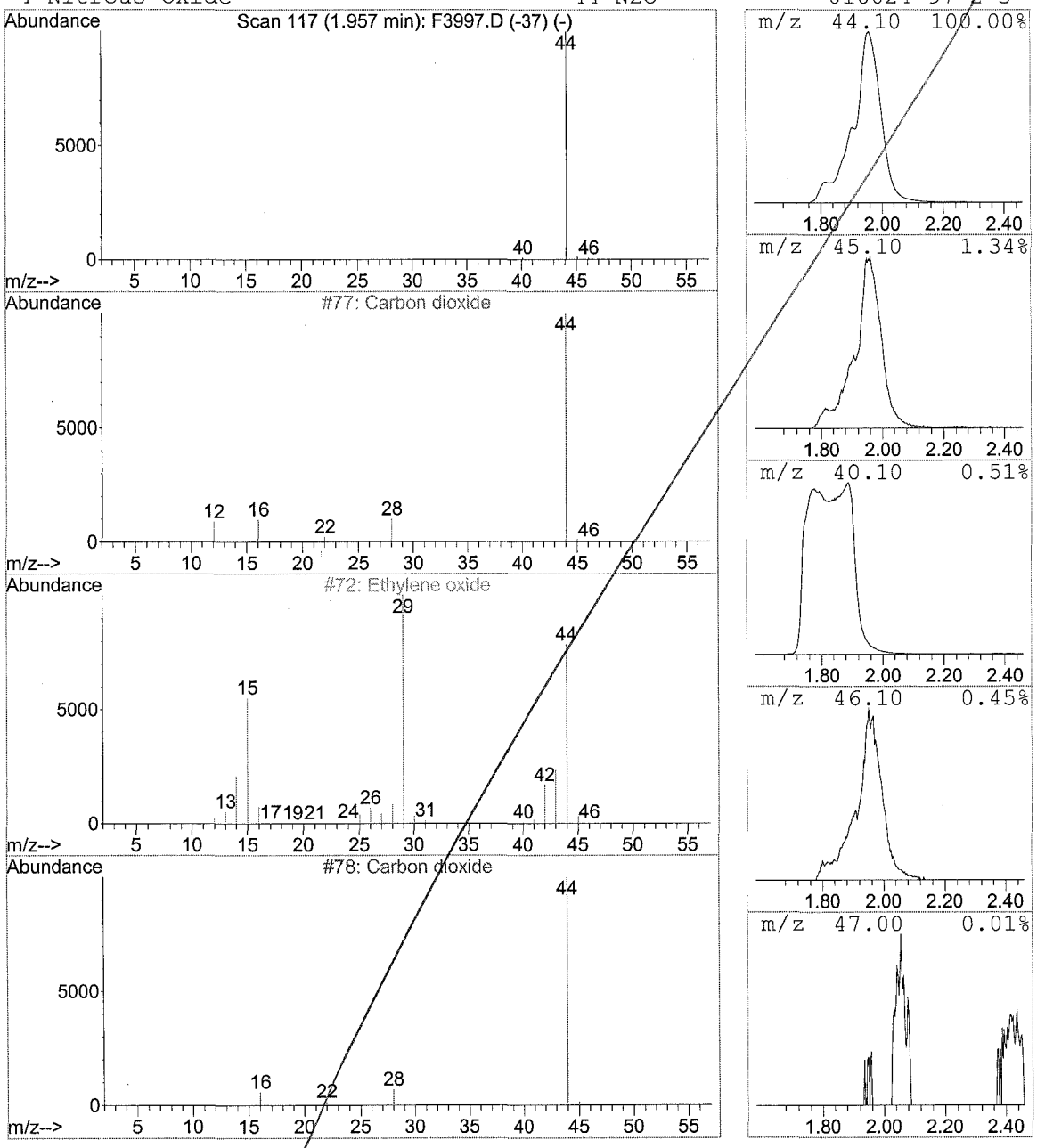
****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	222.75 ug/L	15964800	1,4-Difluorobenzene	6.66

Co2

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Carbon dioxide	44	CO2	000124-38-9	3
4	Nitrous Oxide	44	N2O	010024-97-2	3



00000288

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3997.D Vial: 46
Acq On : 08/13/2010 1716 Operator: AC
Sample : 0012602-19 Inst : F-5973
Misc : F3KF5 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

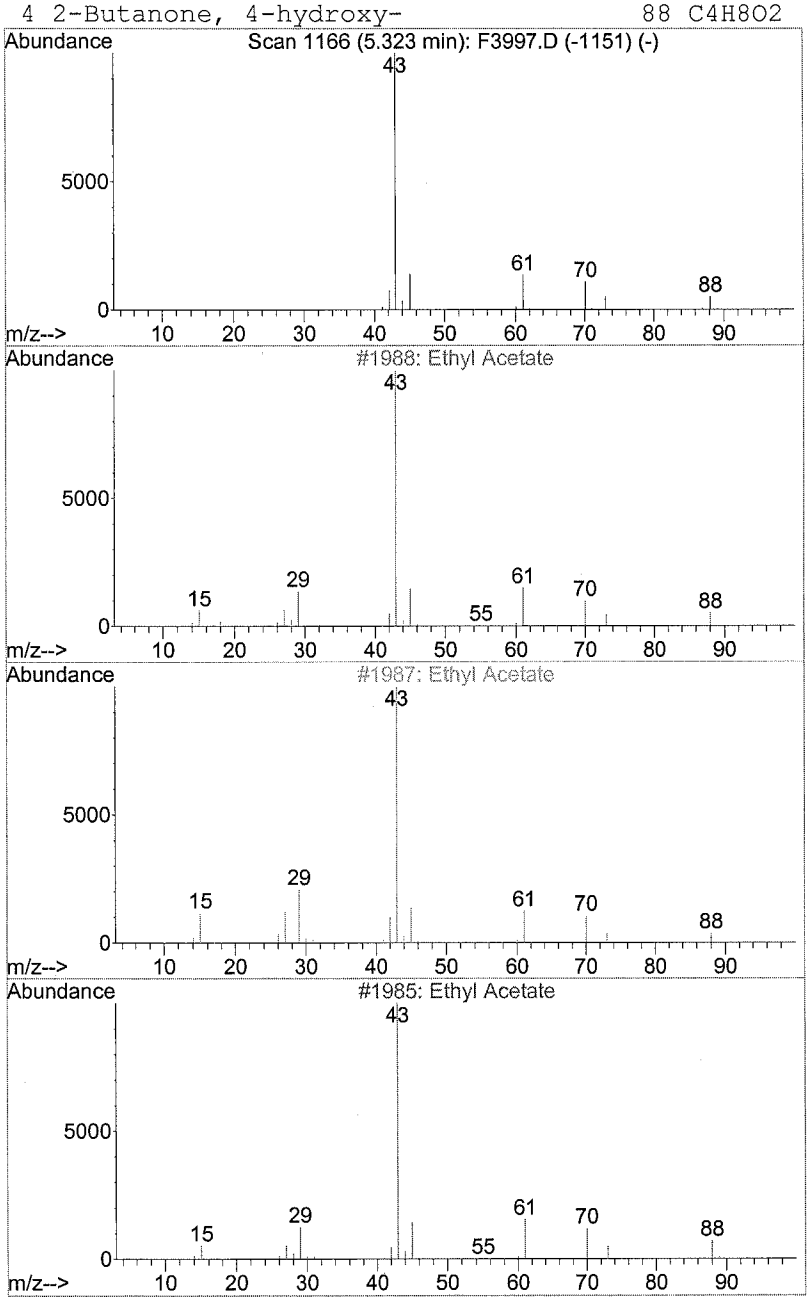
Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

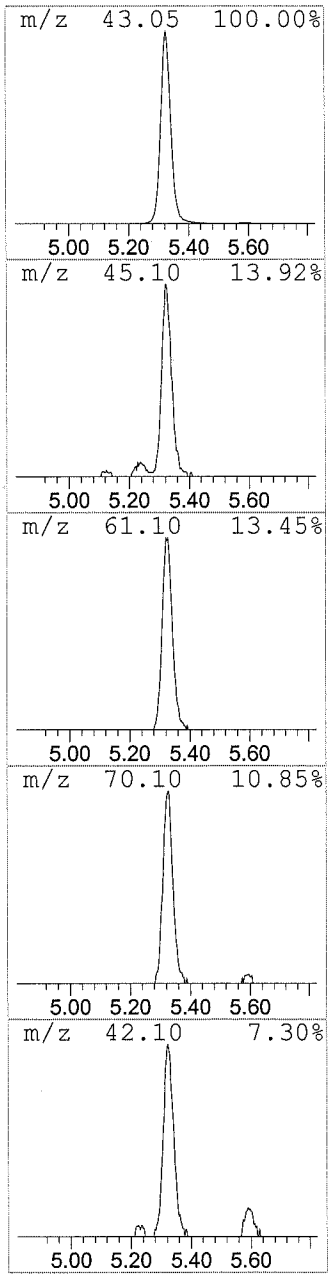
****

Peak Number 2 Ethyl Acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	3.57 ug/L	255557	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	90
3	Ethyl Acetate	88	C4H8O2	000141-78-6	64
4	2-Butanone, 4-hydroxy-	88	C4H8O2	000590-90-9	40





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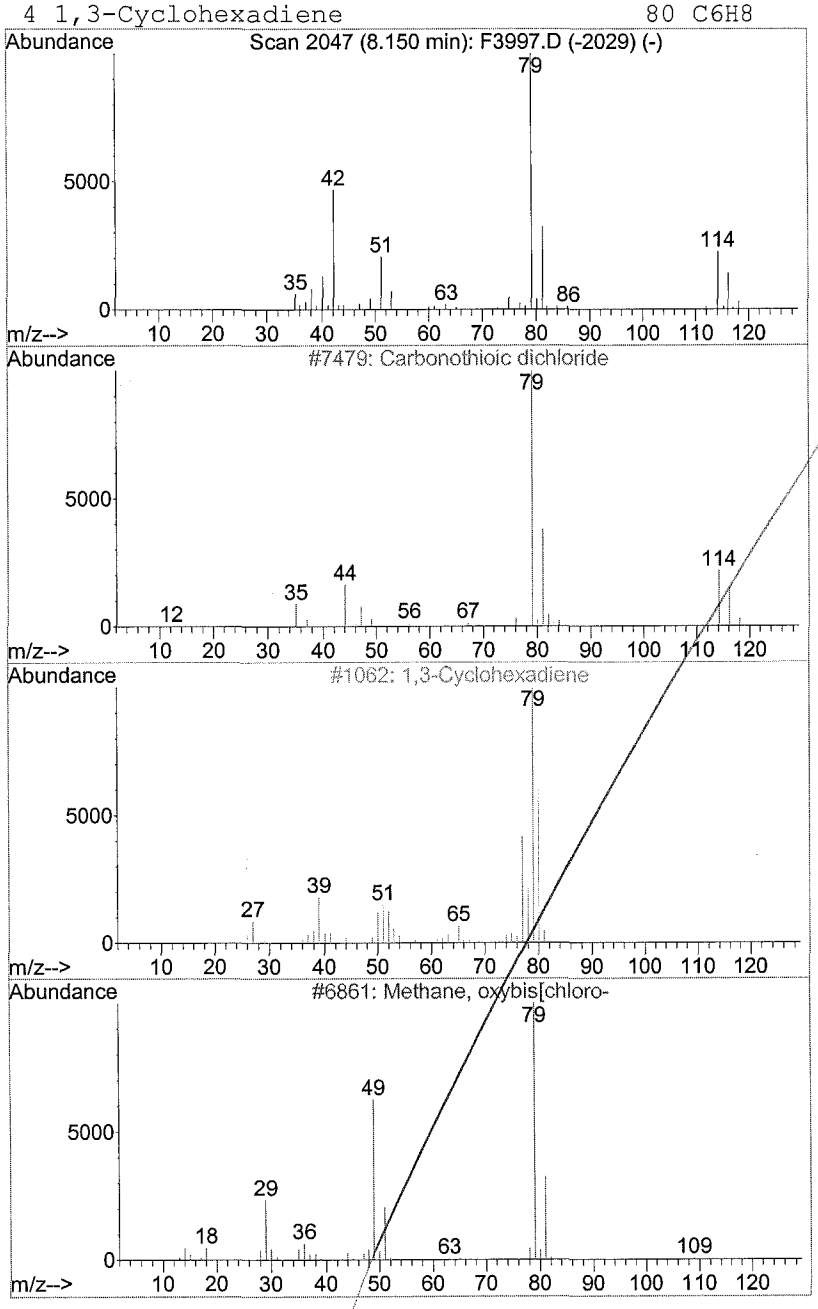
Library Search Compound Report

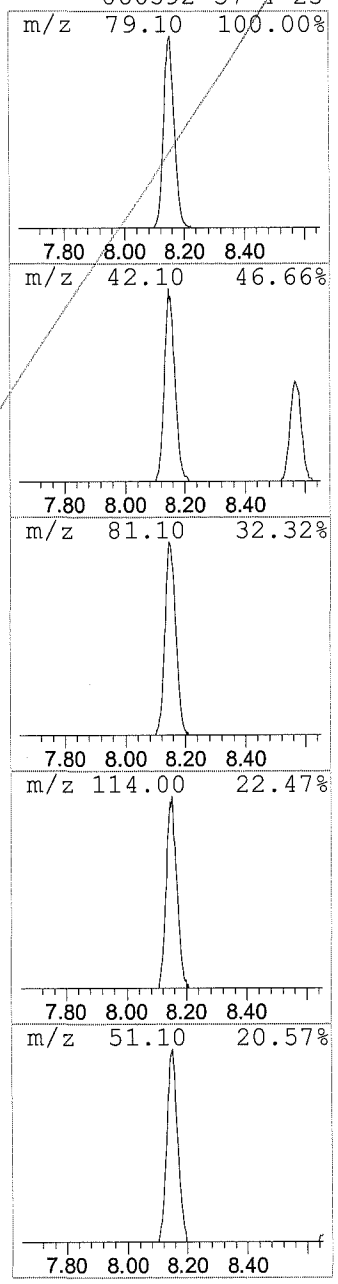
```
   Data File : C:\MSDCHEM\1\DATA\F3997.D                    Vial: 46
   Acq On    : 08/13/2010  1716                          Operator: AC
   Sample    : 0012602-19                                Inst    : F-5973
   Misc      : F3KF5    25ML                             Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
*****************************************************************
Peak Number  3  Carbonothioic dichloride        Concentration Rank  3
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.09 ug/L	221384	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	52
2	1,3-Cyclohexadiene	80	C6H8	000592-57-4	32
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	25
4	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25

Done only out





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Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3997.D Vial: 46
Acq On : 08/13/2010 1716 Operator: AC
Sample : 0012602-19 Inst : F-5973
Misc : F3KF5 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

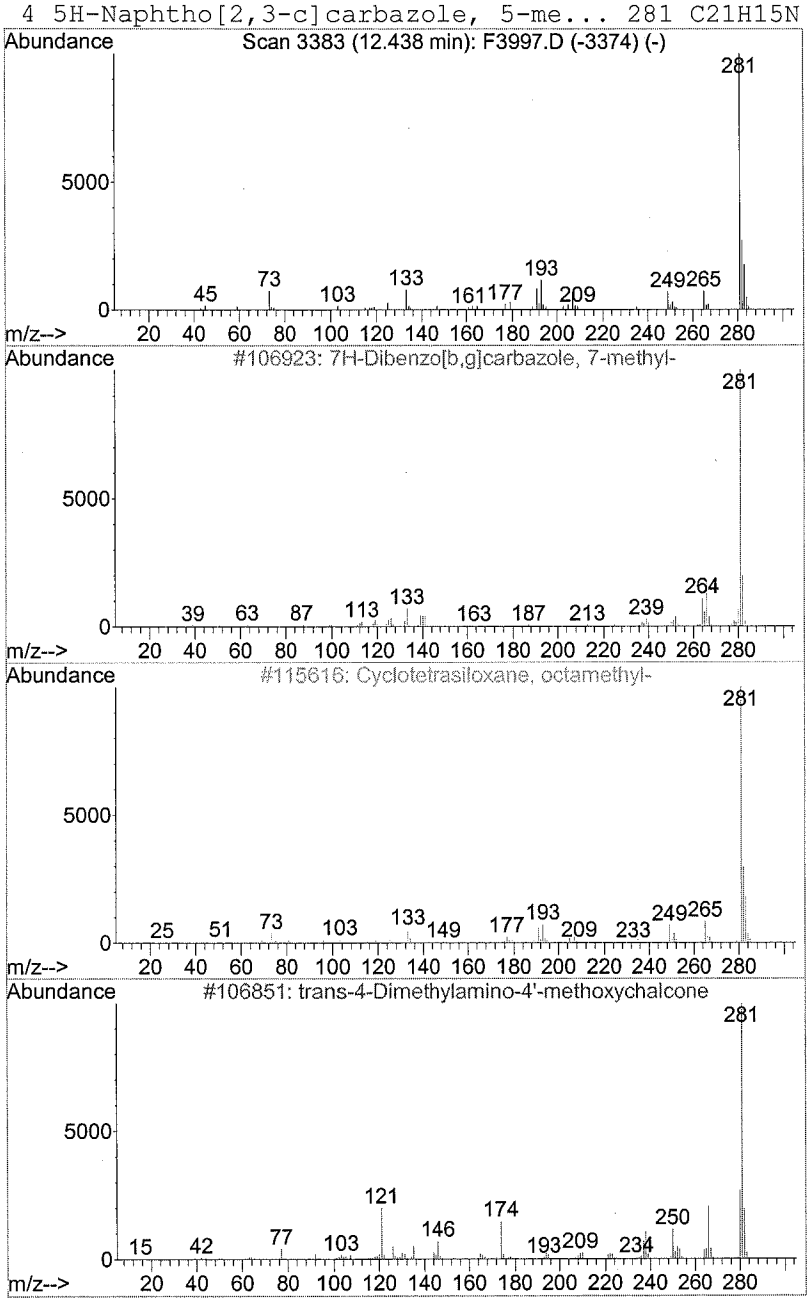
****

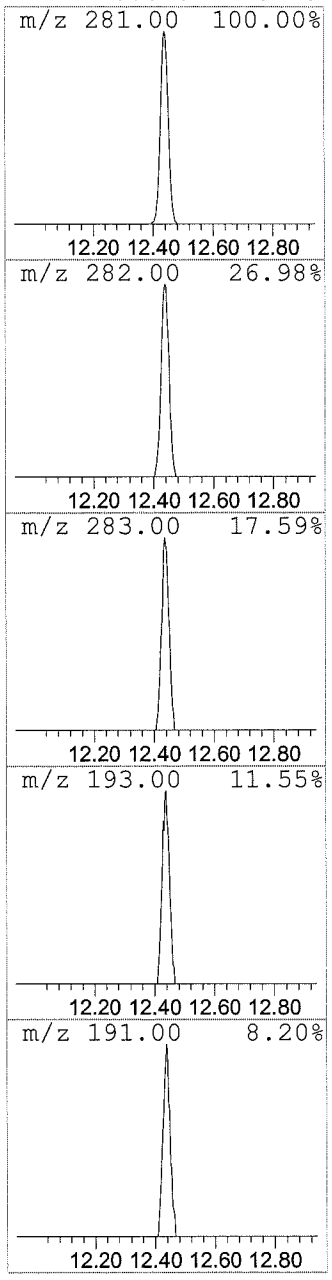
Peak Number 4 7H-Dibenzo[b,g]carbazole, 7... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	1.55 ug/L	115696	1,4-Dichlorobenzene-d4	13.43

Unknown

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Dibenzo[b,g]carbazole, 7-methyl-	281	C21H15N	003557-49-1	53
2	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	47
3	trans-4-Dimethylamino-4'-methoxy...	281	C18H19NO2	052119-37-6	45
4	5H-Naphtho[2,3-c]carbazole, 5-me...	281	C21H15N	100025-44-3	45





000000291

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 17:16
Data File: C:\MSDCHEM\1\DATA\F3997.D
Name: 0012602-19
Misc: F3KF5 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard---| |#	RT	Resp	Conc|
Carbon dioxide	1.96	222.7	ug/L	15964800	1	6.66	358360	5.0
Ethyl Acetate	5.32	3.6	ug/L	255557	1	6.66	358360	5.0
Carbonothioic dic...	8.15	3.1	ug/L	221384	1	6.66	358360	5.0
7H-Dibenzo[b,g]ca...	12.44	1.6	ug/L	115696	3	13.43	372017	5.0

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1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FEL05

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012598-01

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2775.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/10/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	19	
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	20	E
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	5.3	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	3.8	J
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	2.8	
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	2.0	
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	8.4	
71-55-6	1,1,1-Trichloroethane	2.6	
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	4.2	

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FEL05

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012598-01

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2775.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/10/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	11	
75-27-4	Bromodichloromethane	4.2	
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	5.1	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	16	
106-93-4	1,2-Dibromoethane	9.2	
108-90-7	Chlorobenzene	24	E
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	29	E
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	11	
106-46-7	1,4-Dichlorobenzene	10	
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	18	
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
FEL05

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012598-01

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2775.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/10/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01 (5.43)	2.10	0.80	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2775.D
Acq On : 08/12/2010 2043
Sample : 0012598-01
Misc : FEL05 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:29:56 2010

Vial: 22
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

SM 8/16/10
8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	203394	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.34	117	182438	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	93077	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	13871	5.0502 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 101.00%		
7) Chloroethane-d5	1.84	69	9571	4.7034 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 94.07%		
10) 1,1-Dichloroethene-d2	2.48	63	122748	5.0942 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 101.88%		
20) 2-Butanone-d5	4.04	46	176088	66.5664 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 133.13%		
24) Chloroform-d	4.39	84	136242	5.1731 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 103.46%		
26) 1,2-Dichloroethane-d4	4.92	65	91628	5.4630 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 109.26%		
32) Benzene-d6	4.95	84	242808	4.9335 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 98.67%		
35) 1,2-Dichloropropane-d6	5.88	67	73865	5.0335 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 100.67%		
41) Toluene-d8	7.27	98	218547	4.8342 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 96.68%		
43) trans-1,3-Dichloropropene-	7.63	79	78748	5.2190 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 104.38%		
47) 2-Hexanone-d5	8.25	63	50049	66.6366 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 133.27%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	50756	5.5590 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 111.18%		
63) 1,2-Dichlorobenzene-d4	13.28	152	73126	4.8722 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 97.44%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.28	85	55722	19.2228 ug/L	90
5) Vinyl Chloride	1.52	62	79711	20.0663 ug/L	82
11) 1,1-Dichloroethene	2.49	96	41739	5.2999 ug/L	97
13) Acetone	2.55	43	10194	3.7614 ug/L	93
17) trans-1,2-Dichloroethene	3.15	96	31190	2.8028 ug/L	99
19) 1,1-Dichloroethane	3.53	63	53434	1.9592 ug/L	99
25) Chloroform	4.41	83	205502	8.3962 ug/L	99
29) 1,1,1-Trichloroethane	4.60	97	50233	2.6252 ug/L	99
34) Trichloroethene	5.73	95	53116	4.1574 ug/L	97
37) 1,2-Dichloropropane	5.98	63	158753	10.9233 ug/L	96
38) Bromodichloromethane	6.33	83	68524	4.2240 ug/L	99
46) Tetrachloroethene	8.12	164	47175	5.0787 ug/L	96
49) Dibromochloromethane	8.47	129	140687	16.1494 ug/L	98
50) 1,2-Dibromoethane	8.61	107	73223	9.2037 ug/L	99
51) Chlorobenzene	9.37	112	778251	23.6579 ug/L	99
60) Bromoform	10.65	173	104605	29.0493 ug/L	96
61) 1,3-Dichlorobenzene	12.90	146	274683	10.6131 ug/L	99
62) 1,4-Dichlorobenzene	12.90	146	274683	10.2332 ug/L	99

000000296

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:29:56 2010 Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
65)	1,2-Dibromo-3-chloropropan	14.07	75	26826	17.7506 ug/L	95

000000297

(#) = qualifier out of range (m) = manual integration (+) = signals summed

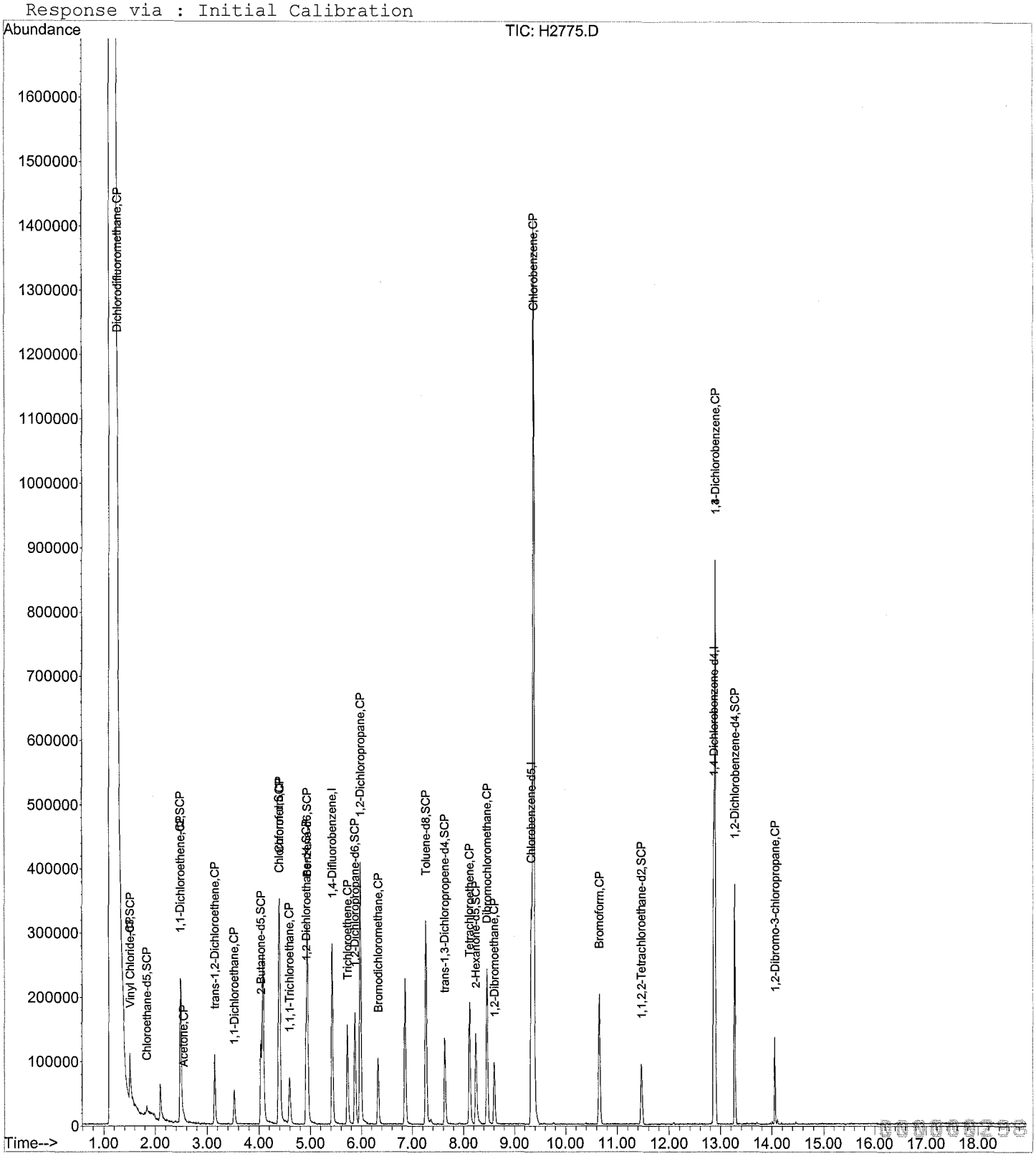
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2775.D
Acq On : 08/12/2010 2043
Sample : 0012598-01
Misc : FEL05 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 11:06 2010

Vial: 22
Operator: AC
Inst : H-5975
Multiplr: 1.00

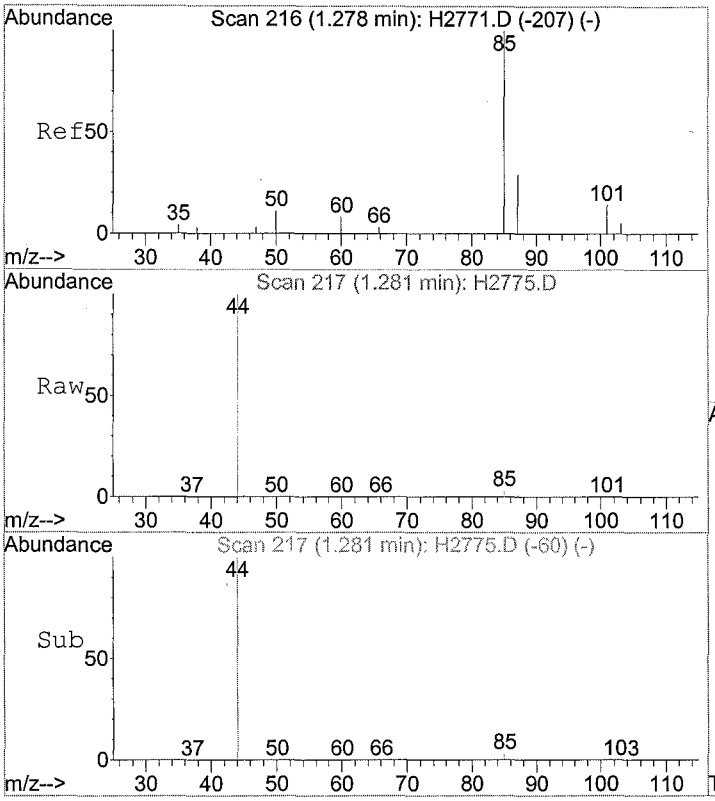
Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\H2775.D
Acq On : 08/12/2010 2043
Sample : 0012598-01
Misc : FEL05 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

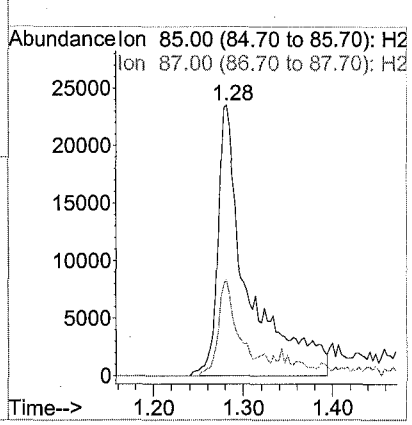
Vial: 22
Operator: AC
Inst : H-5975
Multiplr: 1.00

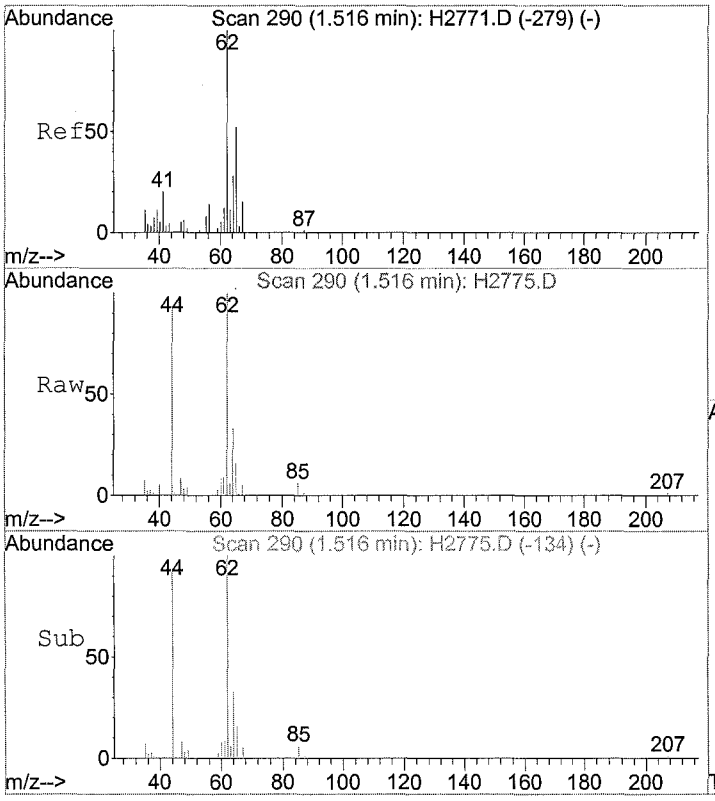


#2
Dichlorodifluoromethane
Concen: 19.2228 ug/L
RT: 1.28 min Scan# 217
Delta R.T. 0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

Tgt Ion: 85 Resp: 55722

Ion	Ratio	Lower	Upper
85	100		
87	23.1	8.3	48.3

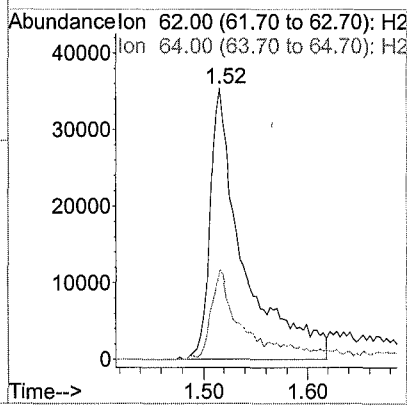




#5
Vinyl Chloride
Concen: 20.0663 ug/L
RT: 1.52 min Scan# 290
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

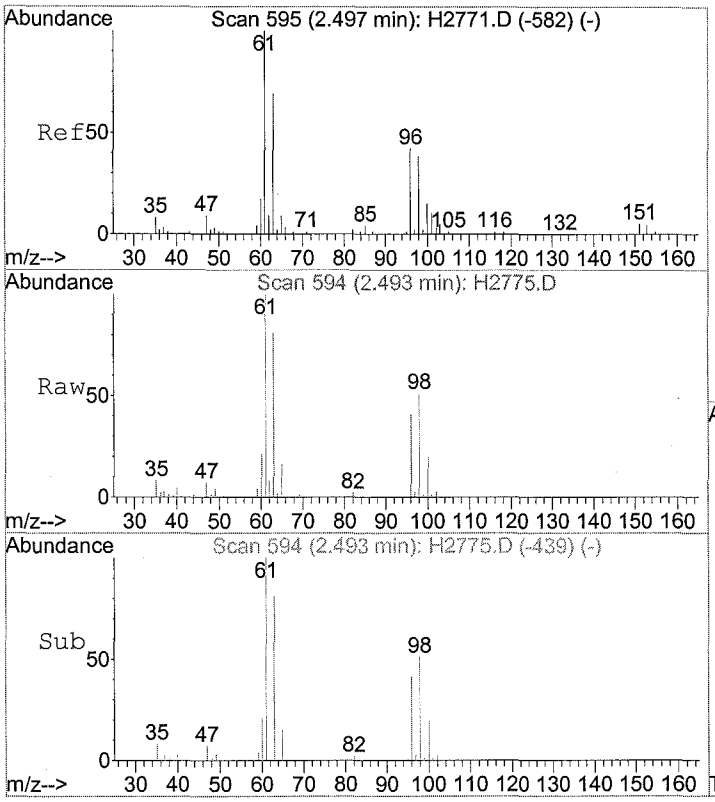
Tgt Ion: 62 Resp: 79711

Ion	Ratio	Lower	Upper
62	100		
64	33.6	4.4	44.4



000000299

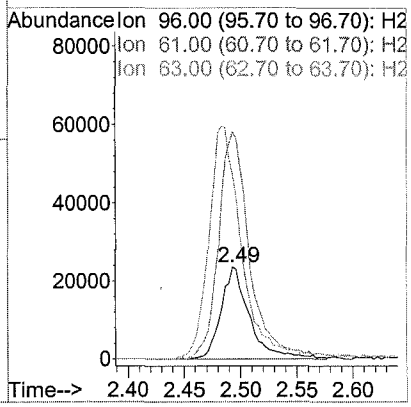
Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

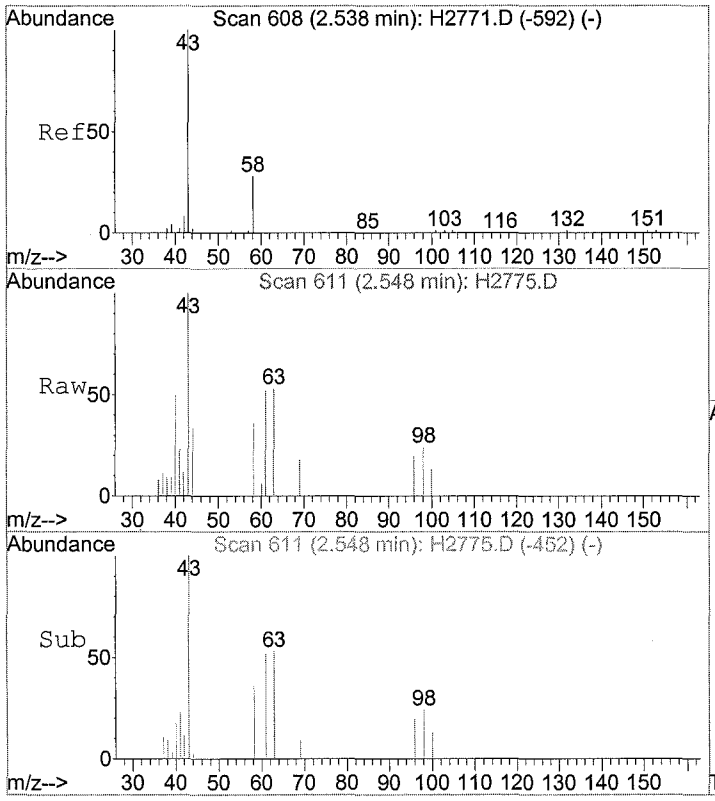


#11
1,1-Dichloroethene
Concen: 5.2999 ug/L
RT: 2.49 min Scan# 594
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

Tgt Ion: 96 Resp: 41739

Ion	Ratio	Lower	Upper
96	100		
61	270.1	238.5	278.5
63	294.1	273.9	313.9

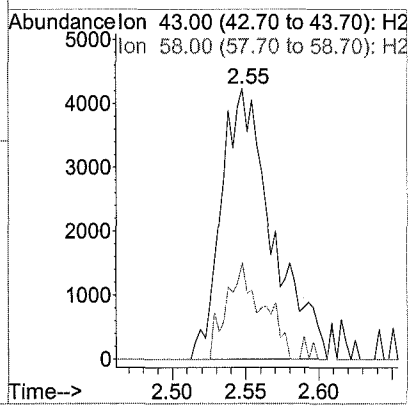




#13
Acetone
Concen: 3.7614 ug/L
RT: 2.55 min Scan# 611
Delta R.T. 0.01 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

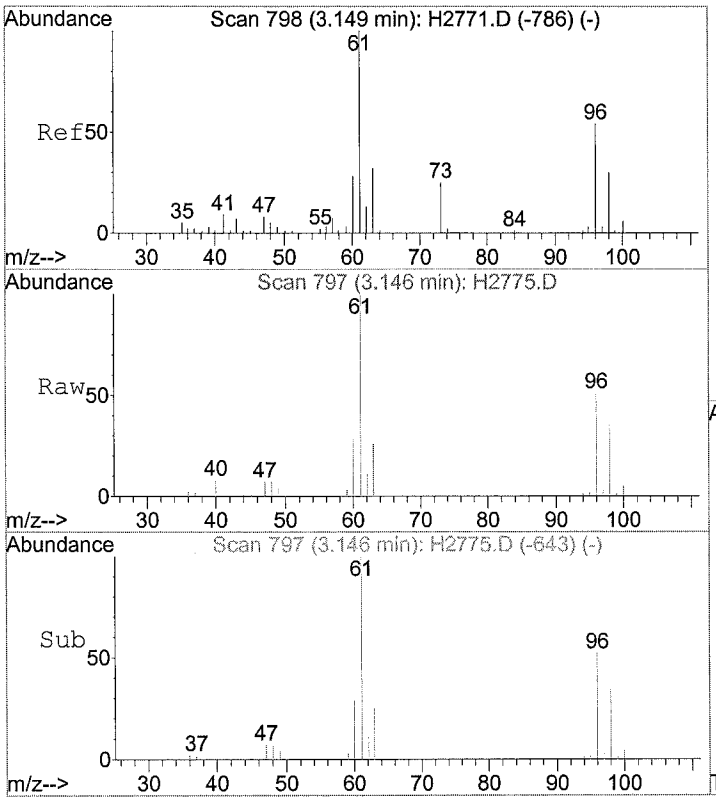
Tgt Ion: 43 Resp: 10194

Ion	Ratio	Lower	Upper
43	100		
58	25.4	9.3	49.3



000000300

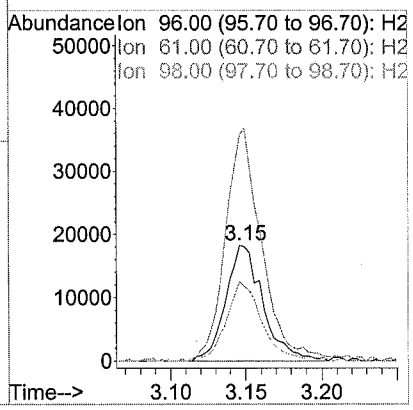
Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

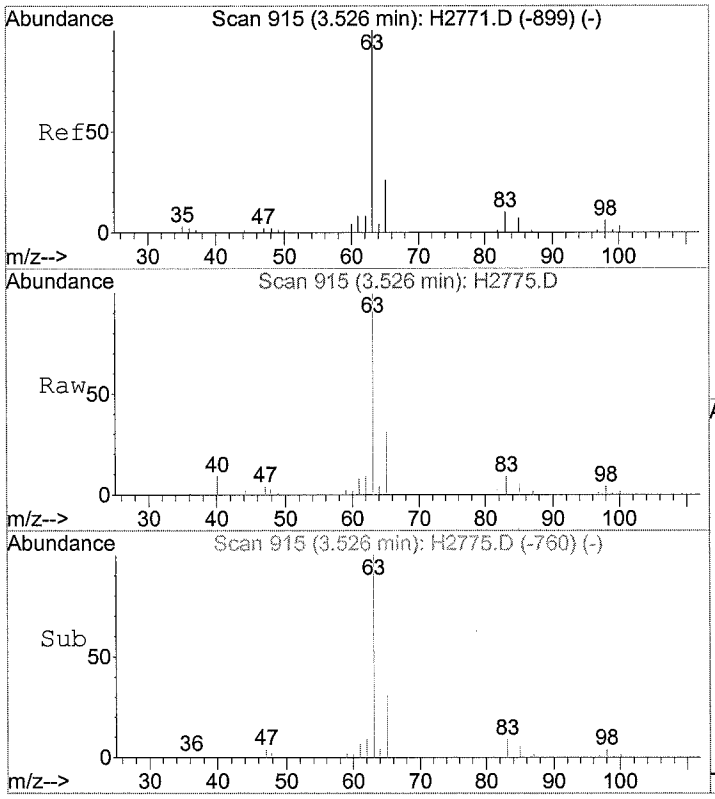


#17
trans-1,2-Dichloroethene
Concen: 2.8028 ug/L
RT: 3.15 min Scan# 797
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

Tgt Ion: 96 Resp: 31190

Ion	Ratio	Lower	Upper
96	100		
61	198.2	180.1	220.1
98	66.1	46.4	86.4

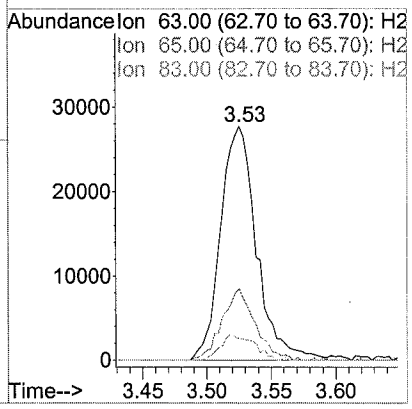




#19
1,1-Dichloroethane
Concen: 1.9592 ug/L
RT: 3.53 min Scan# 915
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

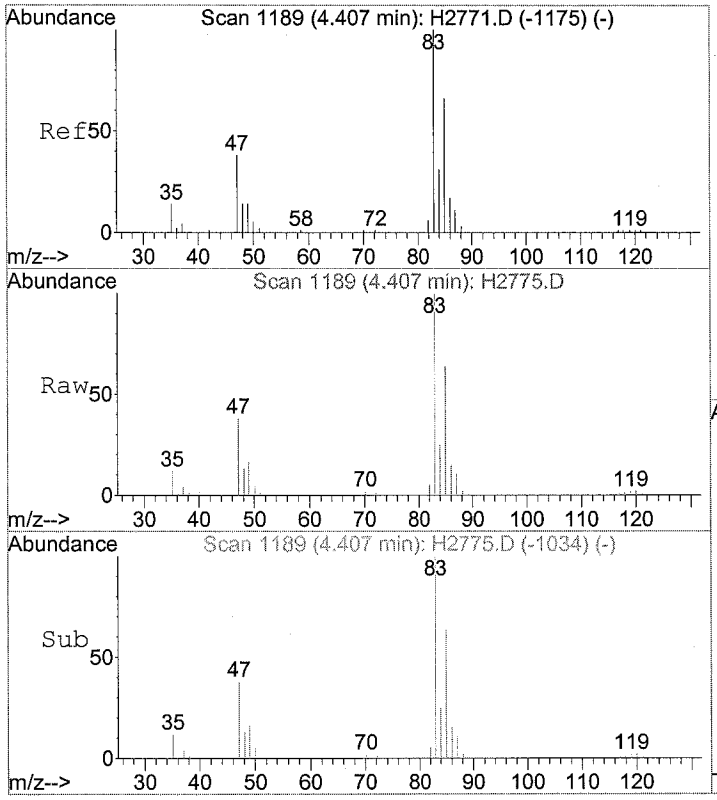
Tgt Ion: 63 Resp: 53434

Ion	Ratio	Lower	Upper
63	100		
65	28.2	8.4	48.4
83	10.2	0.0	30.7



000000301

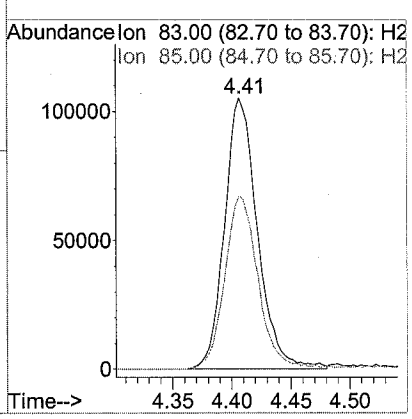
Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

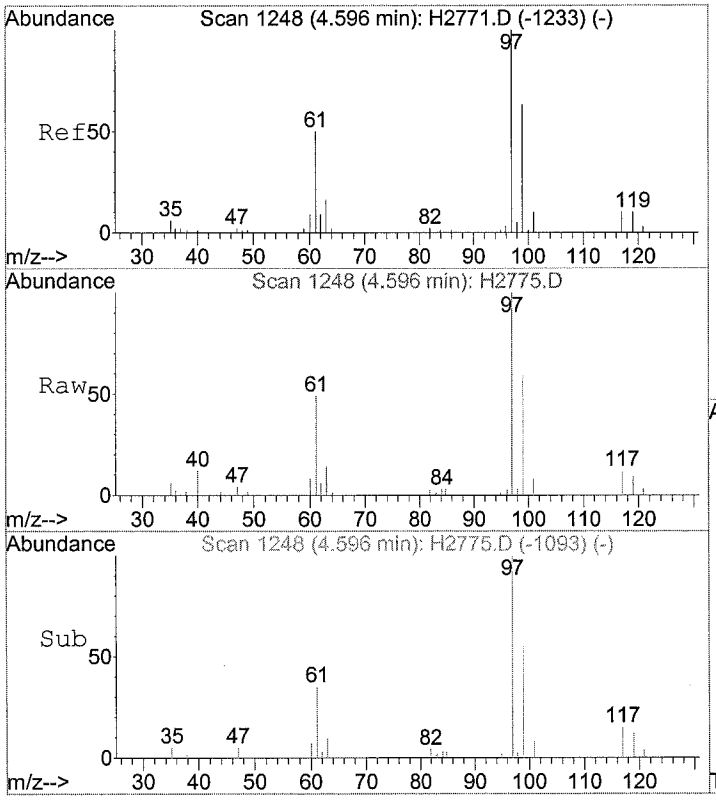


#25
Chloroform
Concen: 8.3962 ug/L
RT: 4.41 min Scan# 1189
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

Tgt Ion: 83 Resp: 205502

Ion	Ratio	Lower	Upper
83	100		
85	64.5	45.3	85.3

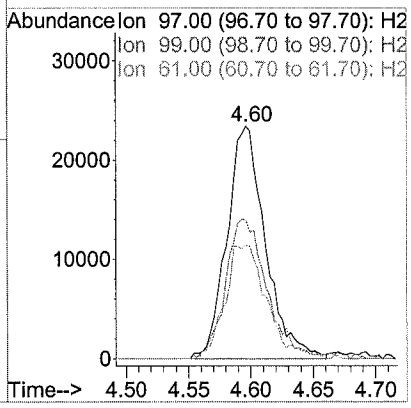




#29
1,1,1-Trichloroethane
Concen: 2.6252 ug/L
RT: 4.60 min Scan# 1248
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

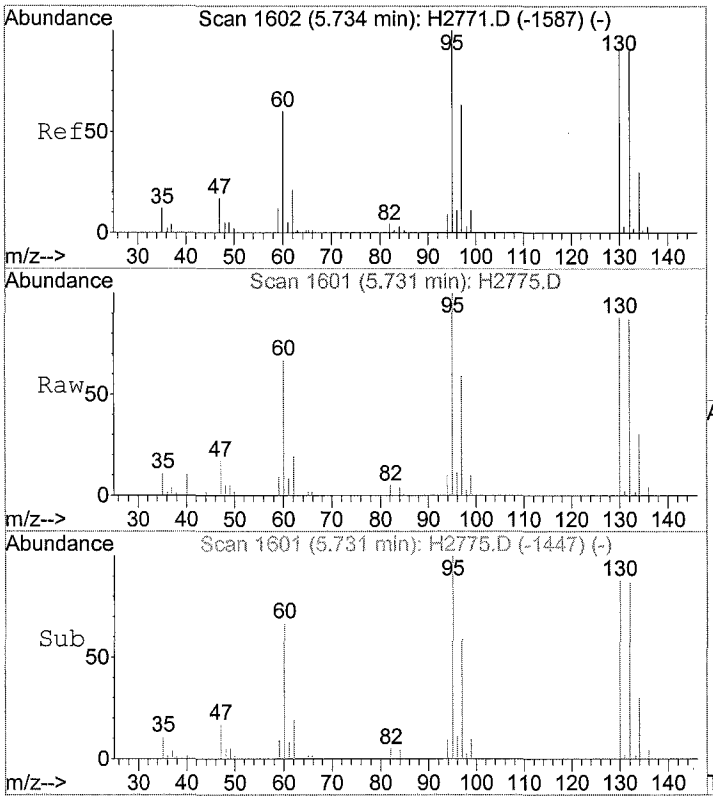
Tgt Ion: 97 Resp: 50233

Ion	Ratio	Lower	Upper
97	100		
99	63.8	45.2	85.2
61	52.8	33.1	73.1



000000302

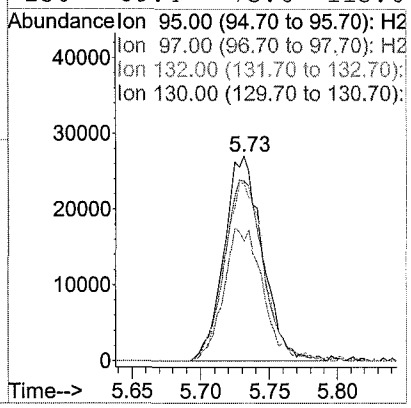
Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

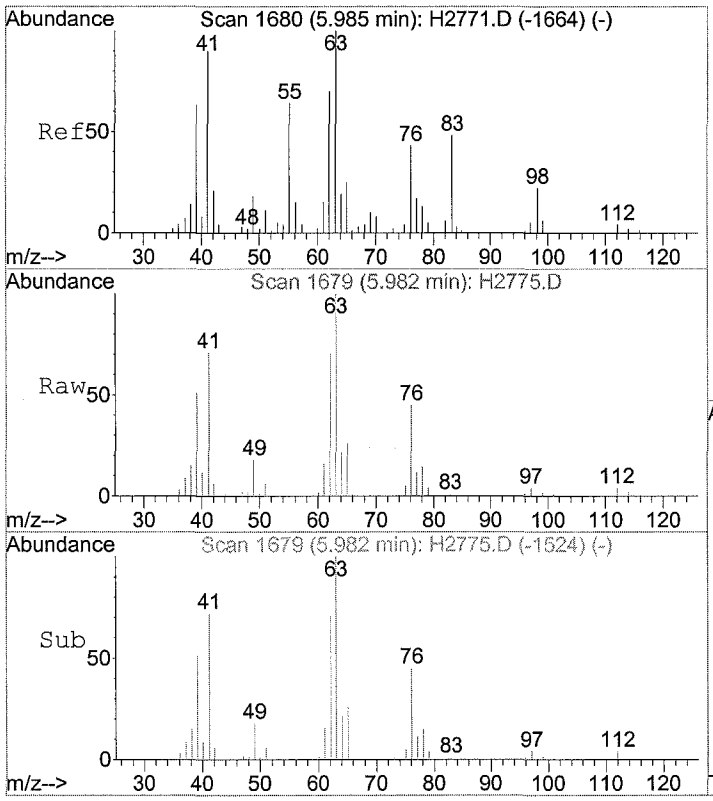


#34
Trichloroethene
Concen: 4.1574 ug/L
RT: 5.73 min Scan# 1601
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

Tgt Ion: 95 Resp: 53116

Ion	Ratio	Lower	Upper
95	100		
97	65.1	43.0	83.0
132	89.2	66.4	106.4
130	89.4	73.6	113.6

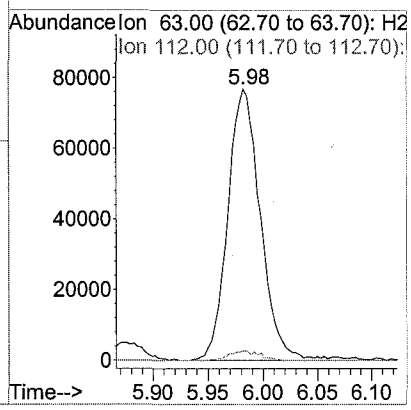




#37
1,2-Dichloropropane
Concen: 10.9233 ug/L
RT: 5.98 min Scan# 1679
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

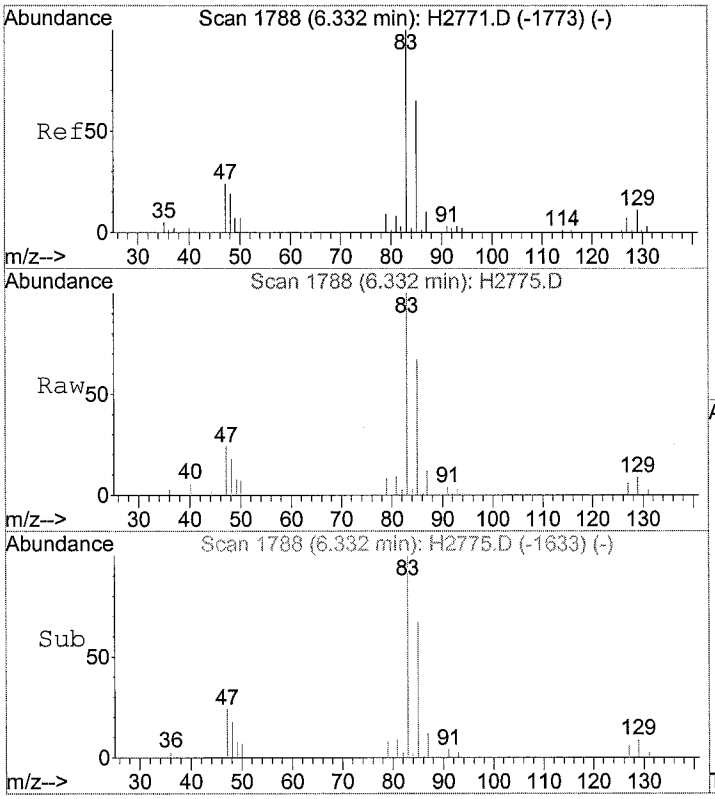
Tgt Ion: 63 Resp: 158753

Ion	Ratio	Lower	Upper
63	100		
112	3.4	0.0	21.9



000000303

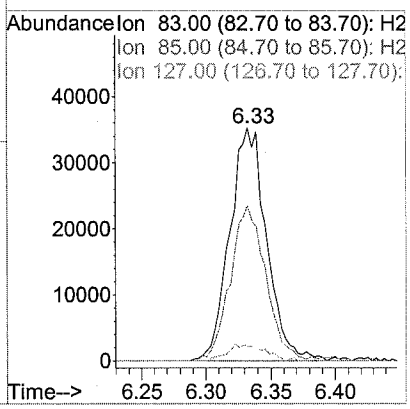
Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

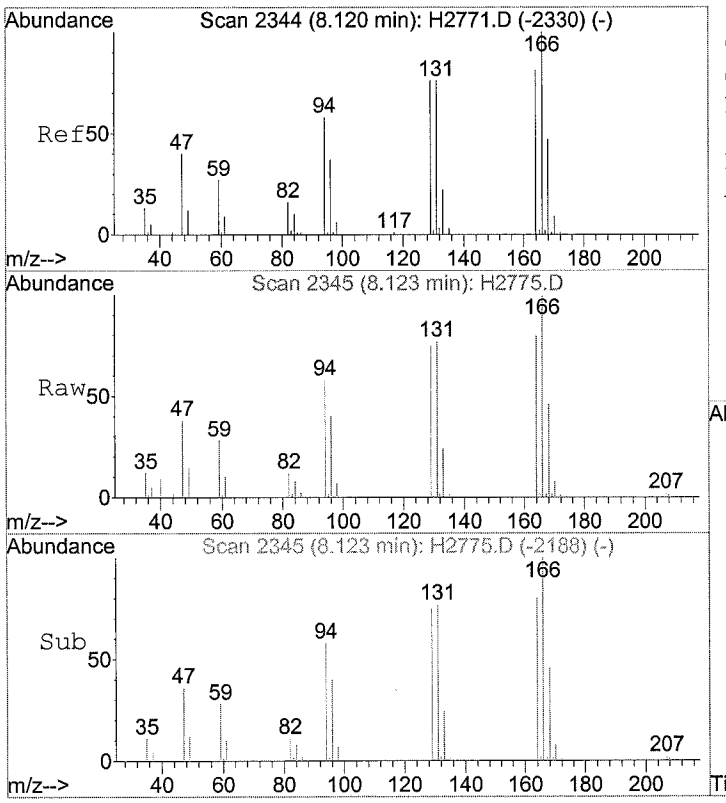


#38
Bromodichloromethane
Concen: 4.2240 ug/L
RT: 6.33 min Scan# 1788
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

Tgt Ion: 83 Resp: 68524

Ion	Ratio	Lower	Upper
83	100		
85	63.8	43.1	83.1
127	7.2	0.0	27.9

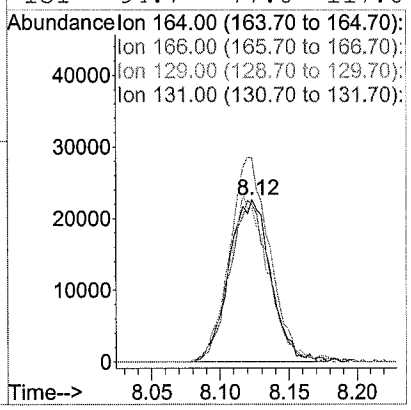




#46
Tetrachloroethene
Concen: 5.0787 ug/L
RT: 8.12 min Scan# 2345
Delta R.T. 0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

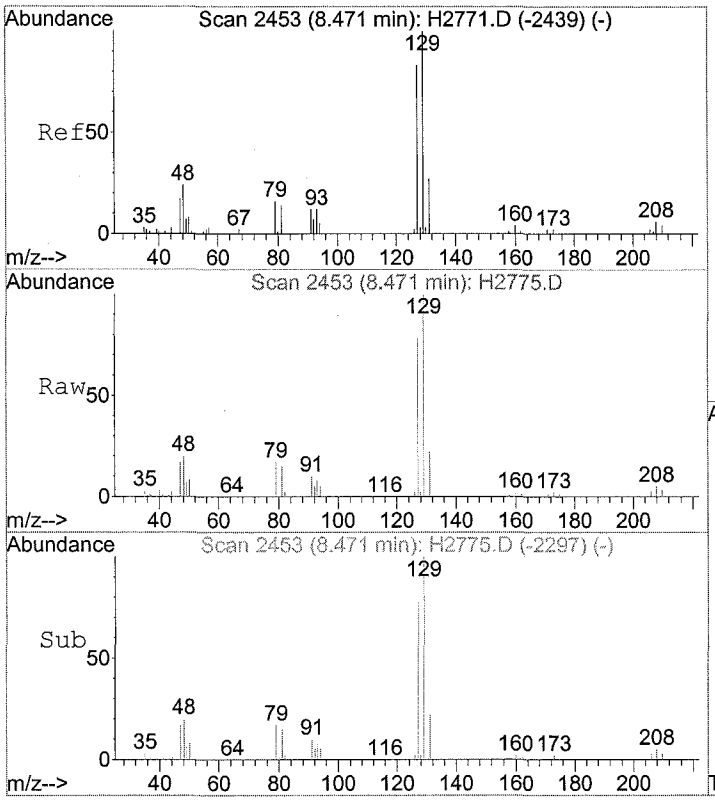
Tgt Ion:164 Resp: 47175

Ion	Ratio	Lower	Upper
164	100		
166	120.6	106.2	146.2
129	96.5	82.3	122.3
131	94.7	77.0	117.0



00000304

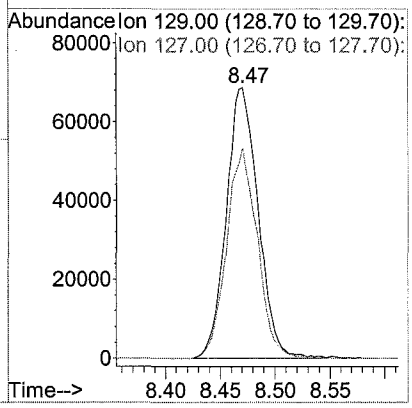
Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

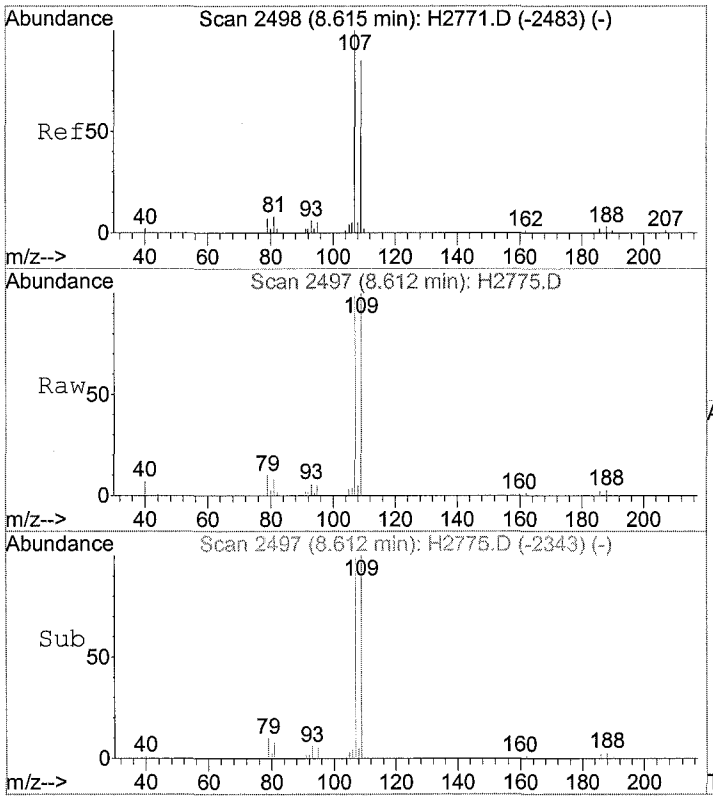


#49
Dibromochloromethane
Concen: 16.1494 ug/L
RT: 8.47 min Scan# 2453
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

Tgt Ion:129 Resp: 140687

Ion	Ratio	Lower	Upper
129	100		
127	74.9	57.0	97.0

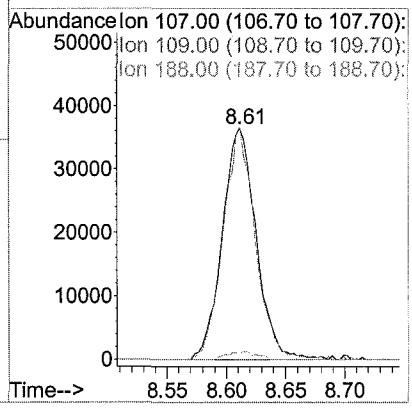




#50
1,2-Dibromoethane
Concen: 9.2037 ug/L
RT: 8.61 min Scan# 2497
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

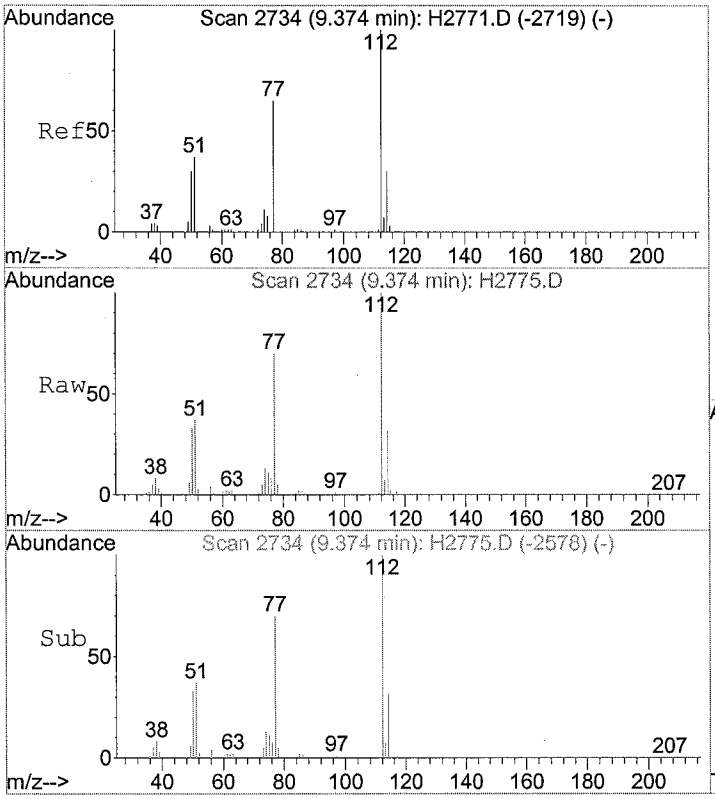
Tgt Ion:107 Resp: 73223

Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.9	115.9
188	3.0	0.0	22.4



000000305

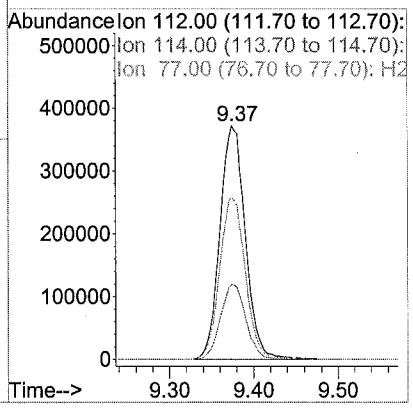
Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

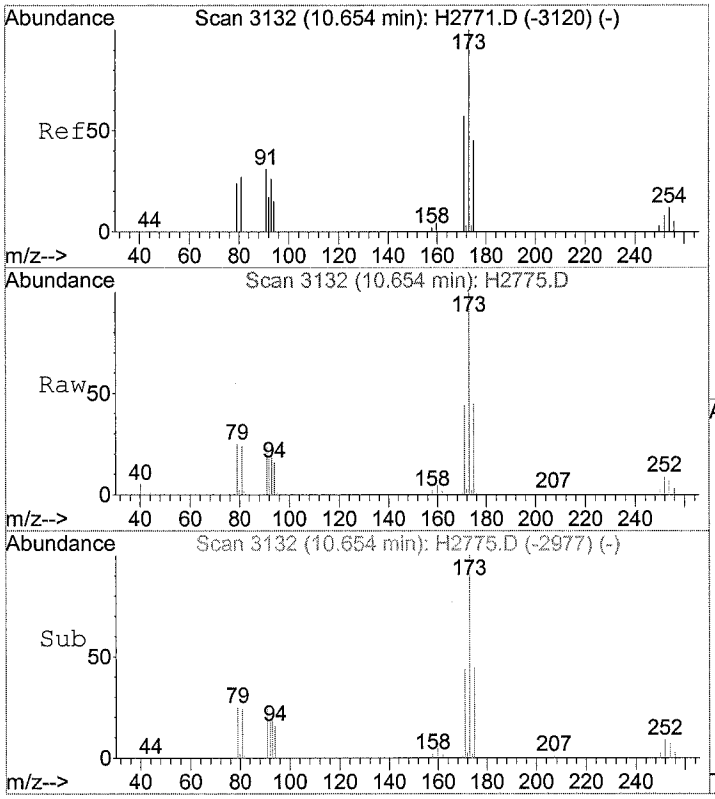


#51
Chlorobenzene
Concen: 23.6579 ug/L
RT: 9.37 min Scan# 2734
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

Tgt Ion:112 Resp: 778251

Ion	Ratio	Lower	Upper
112	100		
114	32.4	12.1	52.1
77	70.6	49.8	89.8

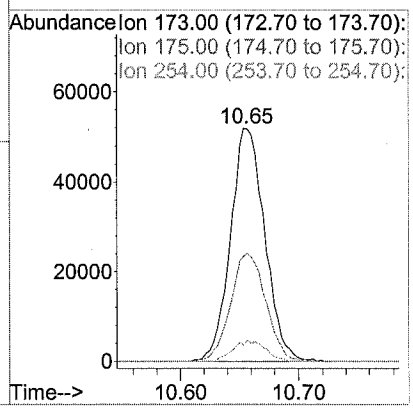




#60
Bromoform
Concen: 29.0493 ug/L
RT: 10.65 min Scan# 3132
Delta R.T. -0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

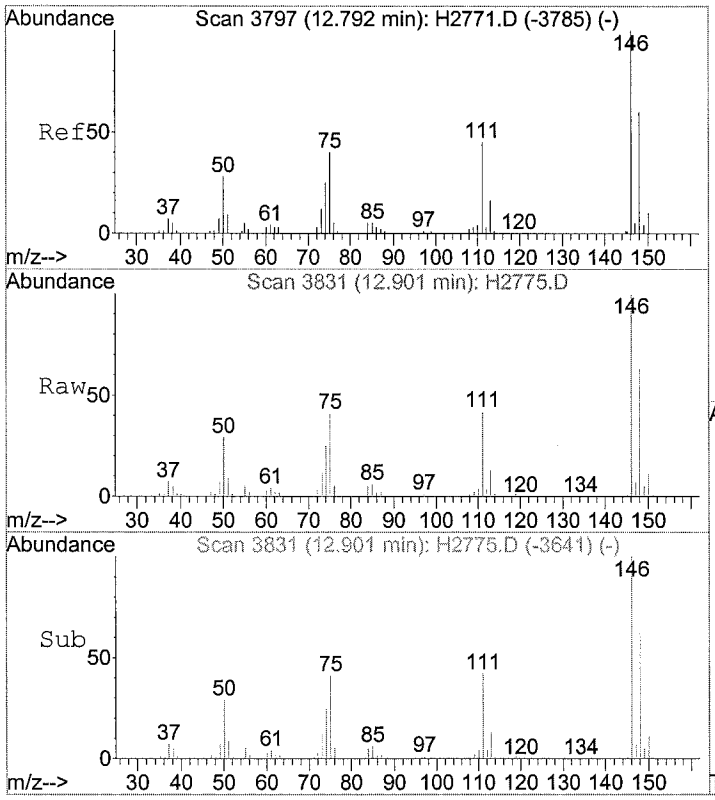
Tgt Ion:173 Resp: 104605

Ion	Ratio	Lower	Upper
173	100		
175	47.6	30.0	70.0
254	8.4	0.0	22.8



000000306

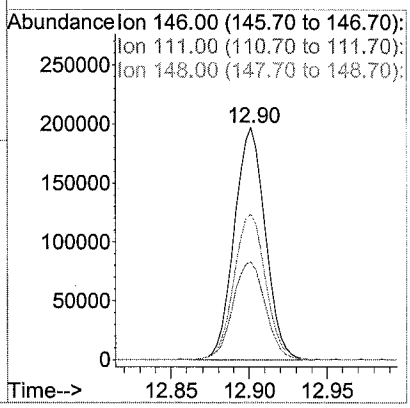
Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

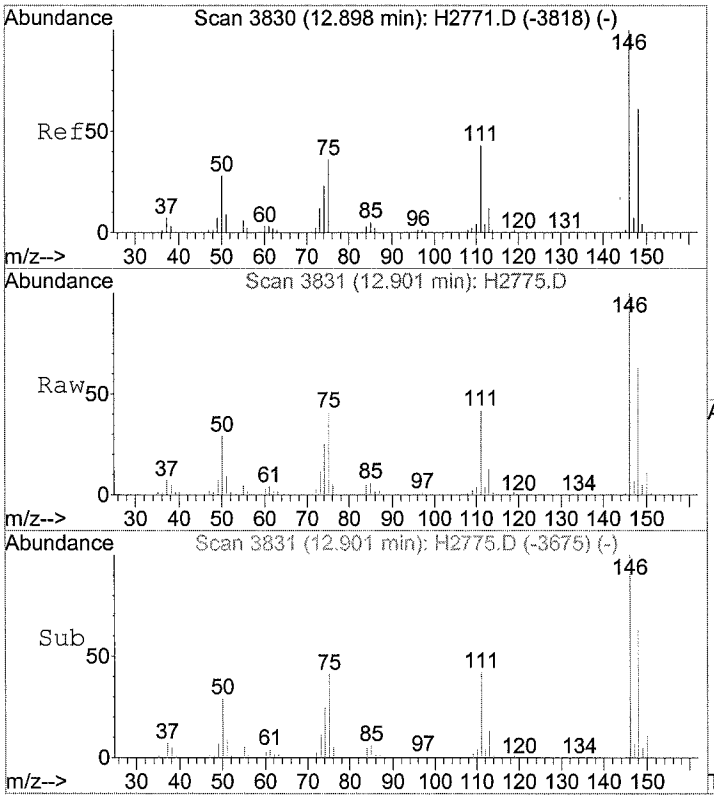


#61
1,3-Dichlorobenzene
Concen: 10.6131 ug/L
RT: 12.90 min Scan# 3831
Delta R.T. 0.11 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

Tgt Ion:146 Resp: 274683

Ion	Ratio	Lower	Upper
146	100		
111	44.4	24.3	64.3
148	63.9	44.7	84.7

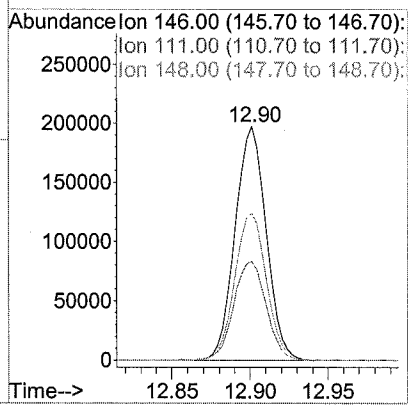




#62
1,4-Dichlorobenzene
Concen: 10.2332 ug/L
RT: 12.90 min Scan# 3831
Delta R.T. 0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

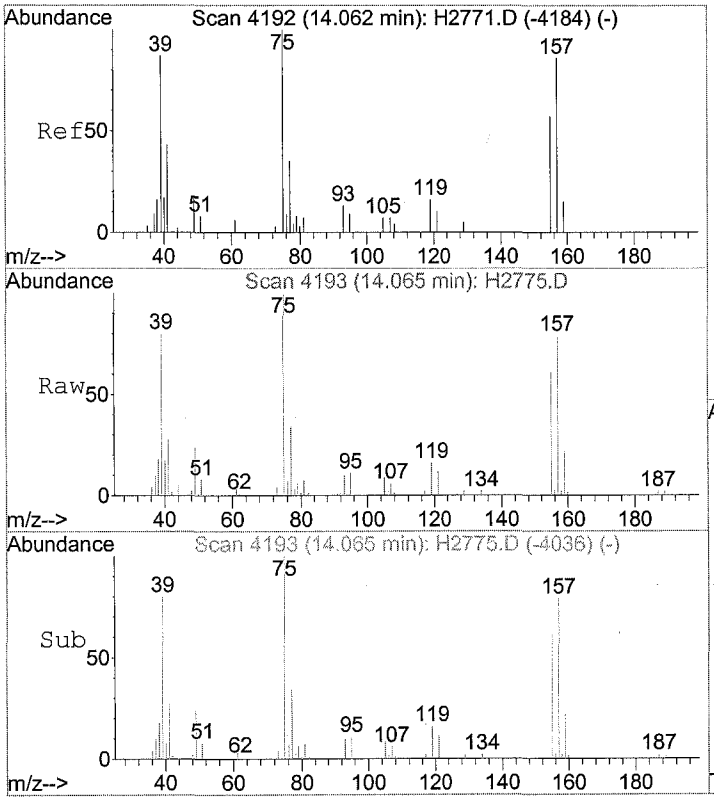
Tgt Ion:146 Resp: 274683

Ion	Ratio	Lower	Upper
146	100		
111	44.4	25.3	65.3
148	63.9	43.1	83.1



000000307

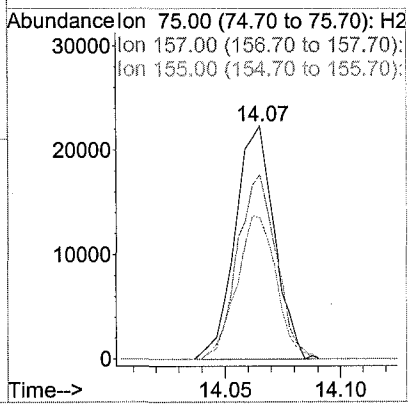
```
Data File : C:\MSDCHEM\1\DATA\H2775.D                    Vial: 22
Acq On    : 08/12/2010  2043                          Operator: AC
Sample    : 0012598-01                                Inst    : H-5975
Misc      : FEL05  25ML                               Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title     : CLP SOM01.2-TRACE VOA-WATER -25ML
```



#65
1,2-Dibromo-3-chloropropane
Concen: 17.7506 ug/L
RT: 14.07 min Scan# 4193
Delta R.T. 0.00 min
Lab File: H2775.D
Acq: 12 Aug 2010 20:43

Tgt Ion: 75 Resp: 26826

Ion	Ratio	Lower	Upper
75	100		
157	77.8	51.5	91.5
155	61.3	42.2	82.2



000000308

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\H2775.D
Acq On : 08/12/2010 2043
Sample : 0012598-01
Misc : FEL05 25ML
MS Integration Params: Lscint.p

Vial: 22
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.165	152	181	280	rBV	5782493	45505081	100.00%	74.877%
2	1.516	283	290	304	rVB3	71627	120343	0.26%	0.198%
3	1.841	387	391	395	rBV4	8092	7392	0.02%	0.012%
4	1.899	407	409	414	rVB3	4497	3350	0.01%	0.006%
5	2.101	464	472	483	rBV2	54542	87695	0.19%	0.144%
6	2.487	580	592	619	rBV4	223778	483441	1.06%	0.795%
7	3.149	787	798	816	rBV2	107208	174606	0.38%	0.287%
8	3.410	874	879	884	rBV3	2209	2603	0.01%	0.004%
9	3.522	902	914	930	rBV	52772	98357	0.22%	0.162%
10	4.040	1060	1075	1079	rBV	131167	234074	0.51%	0.385%
11	4.079	1080	1087	1108	rVB3	261906	574421	1.26%	0.945%
12	4.403	1169	1188	1213	rBV5	350850	888780	1.95%	1.462%
13	4.596	1233	1248	1266	rBV2	70117	153018	0.34%	0.252%
14	4.943	1335	1356	1382	rBV4	313530	827966	1.82%	1.362%
15	5.432	1494	1508	1524	rBV	280629	547885	1.20%	0.902%
16	5.731	1588	1601	1617	rBV2	153515	298408	0.66%	0.491%
17	5.876	1631	1646	1664	rBV3	173427	365189	0.80%	0.601%
18	5.982	1664	1679	1698	rBV3	405417	854306	1.88%	1.406%
19	6.332	1773	1788	1801	rBV	102826	199379	0.44%	0.328%
20	6.863	1939	1953	1968	rBV2	226075	431147	0.95%	0.709%
21	7.268	2064	2079	2094	rBV2	316359	627395	1.38%	1.032%
22	7.631	2181	2192	2209	rBV3	134195	259559	0.57%	0.427%
23	7.911	2273	2279	2282	rBV3	2381	2721	0.01%	0.004%
24	8.120	2330	2344	2362	rBV4	188459	383965	0.84%	0.632%
25	8.242	2370	2382	2400	rBV3	140584	310609	0.68%	0.511%
26	8.329	2407	2409	2414	rVB3	3649	2498	0.01%	0.004%
27	8.471	2437	2453	2468	rBV3	241301	491892	1.08%	0.809%
28	8.612	2483	2497	2510	rBV	95200	183670	0.40%	0.302%
29	9.332	2703	2721	2724	rBV2	335399	540608	1.19%	0.890%
30	9.374	2725	2734	2756	rVB2	1399641	2934451	6.45%	4.829%
31	10.657	3118	3133	3149	rBV2	202396	401315	0.88%	0.660%
32	11.464	3374	3384	3403	rVB4	93341	189346	0.42%	0.312%
33	12.872	3812	3822	3825	rVV	470443	608512	1.34%	1.001%
34	12.901	3825	3831	3846	rVB	877674	1279379	2.81%	2.105%
35	13.281	3939	3949	3961	rVV2	373083	516398	1.13%	0.850%
36	13.699	4073	4079	4083	rBV3	2830	3508	0.01%	0.006%
37	14.011	4172	4176	4183	rBV4	5004	5268	0.01%	0.009%
38	14.065	4183	4193	4201	rVV2	135121	162957	0.36%	0.268%
39	14.114	4201	4208	4217	rVB4	7490	8430	0.02%	0.014%

000000309

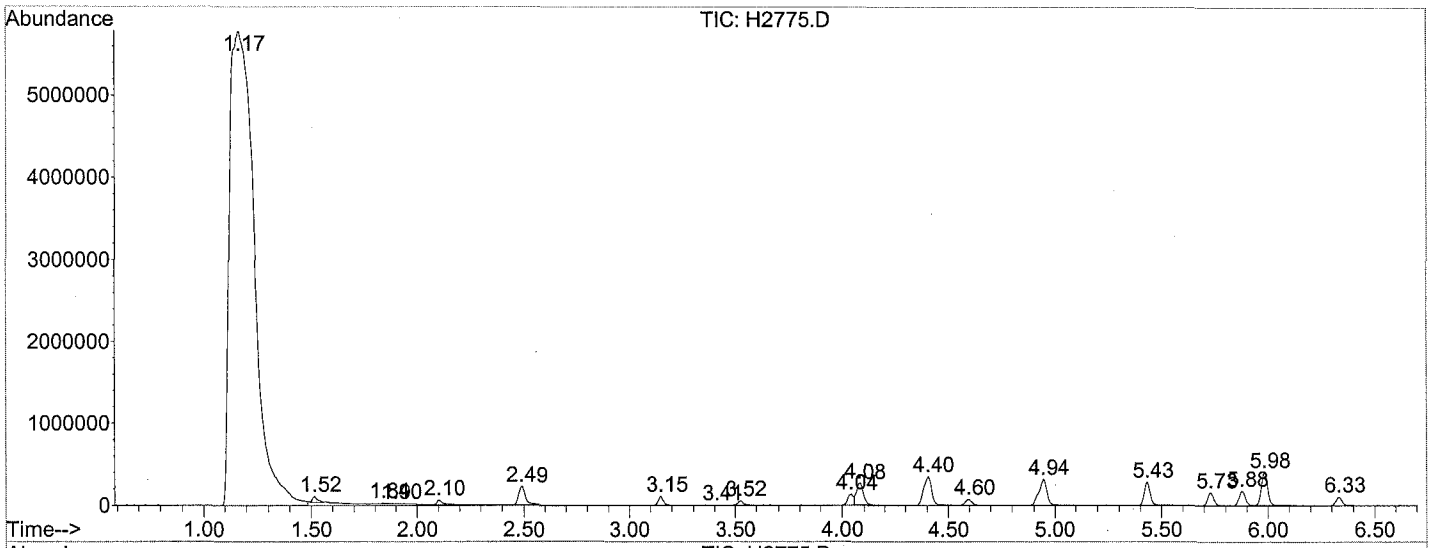
40	14.467	4314	4318	4323	rVB3	3837	2930	0.01%	0.005%

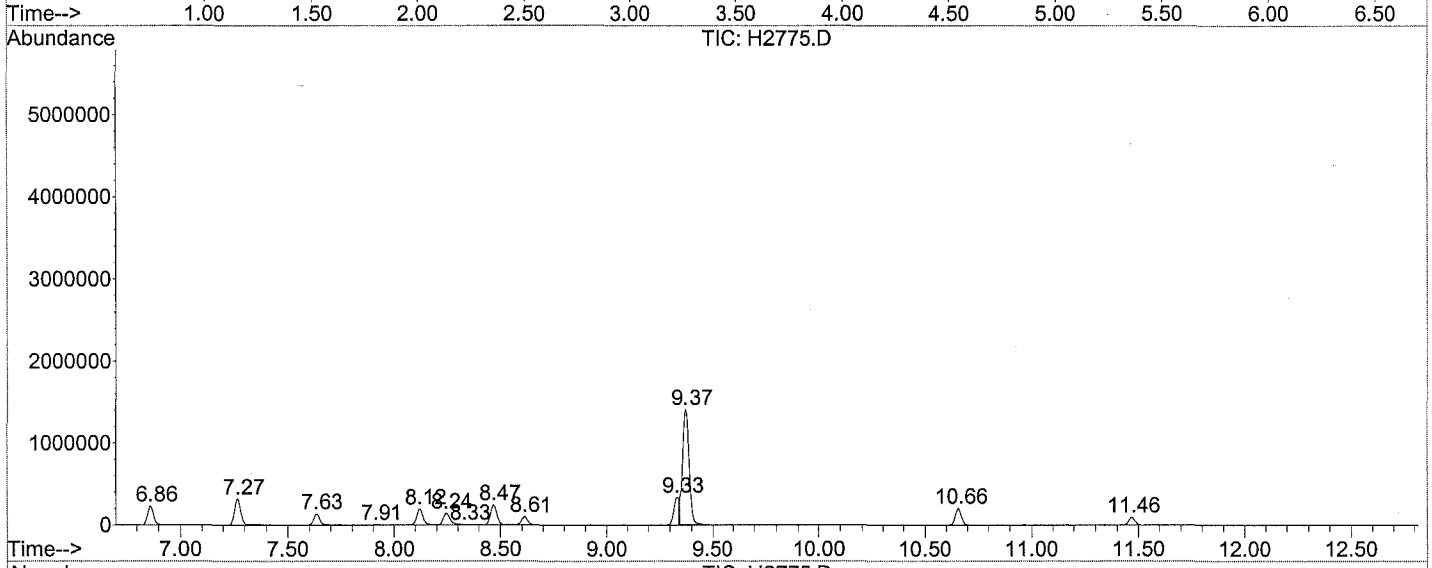
Sum of corrected areas: 60772852

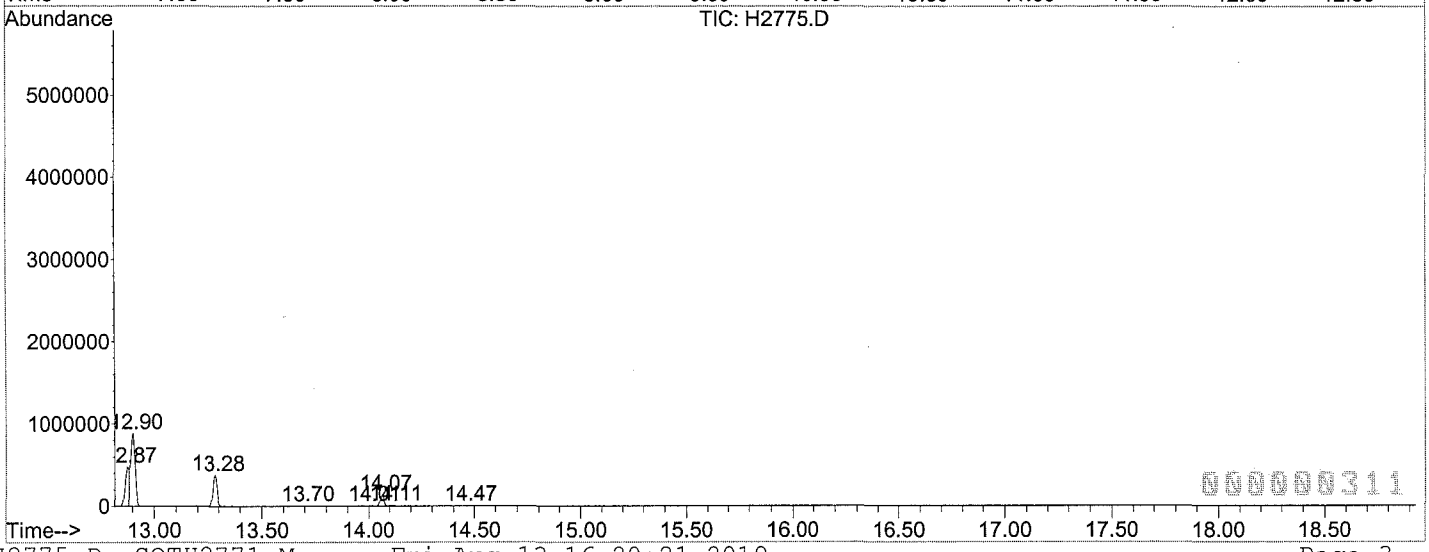
000000310

LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML







000000311

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

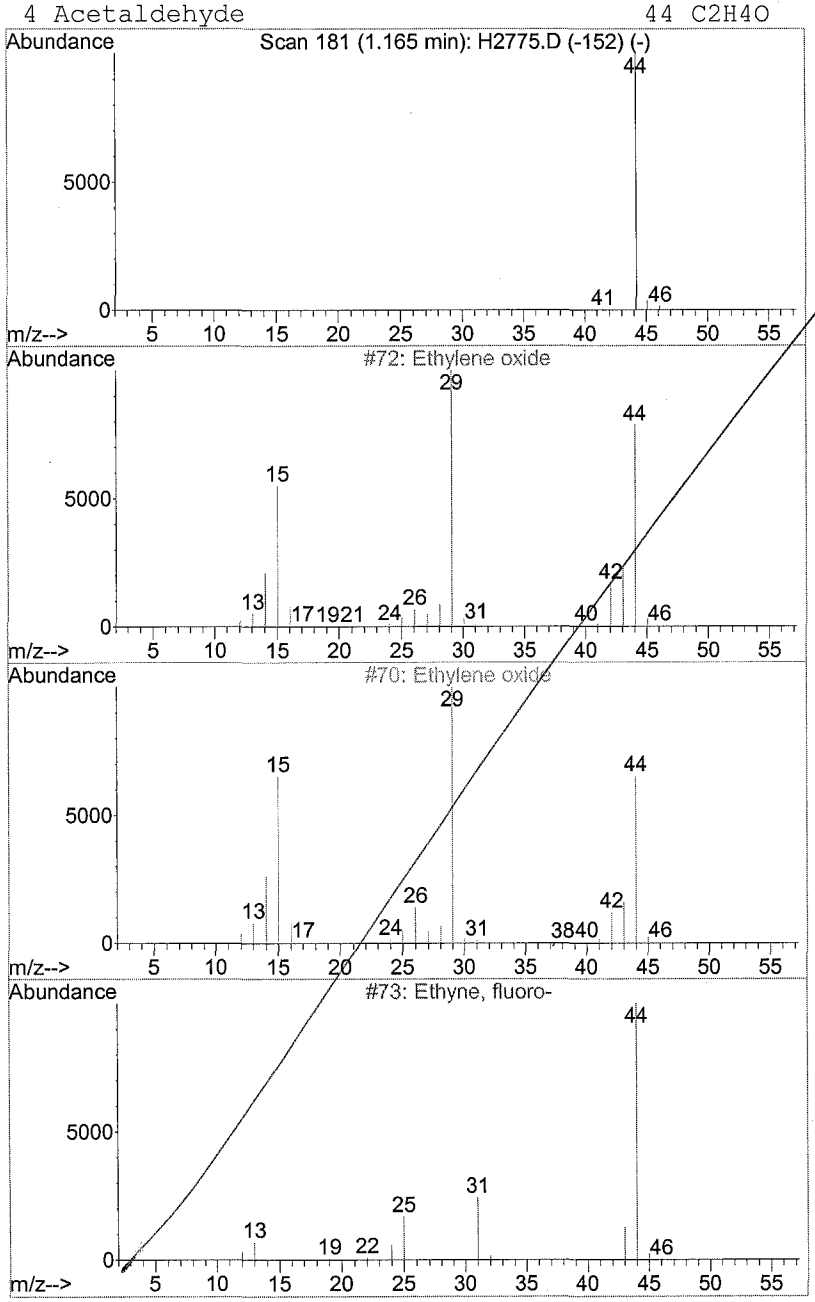
****

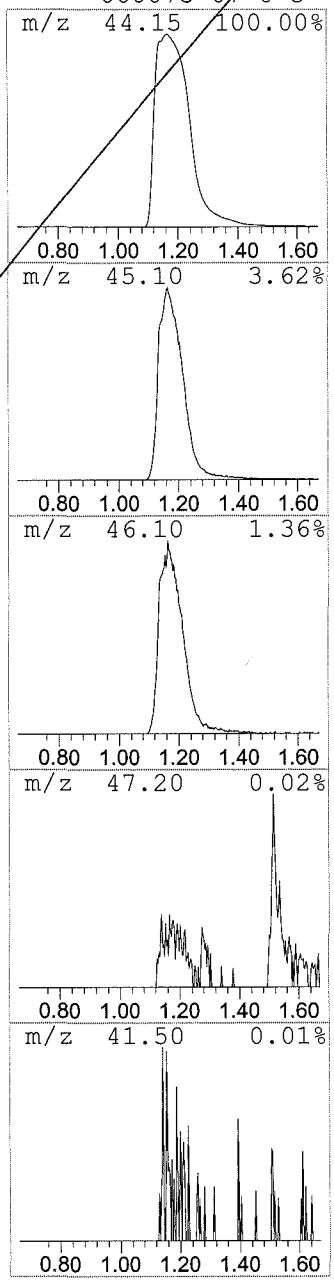
Peak Number 1 Ethylene oxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.17	415.28 ug/L	45505100	1,4-Difluorobenzene	5.43

Co2

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	4
2	Ethylene oxide	44	C2H4O	000075-21-8	4
3	Ethyne, fluoro-	44	C2HF	002713-09-9	3
4	Acetaldehyde	44	C2H4O	000075-07-0	3





000000312

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2775.D Vial: 22
Acq On : 08/12/2010 2043 Operator: AC
Sample : 0012598-01 Inst : H-5975
Misc : FEL05 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

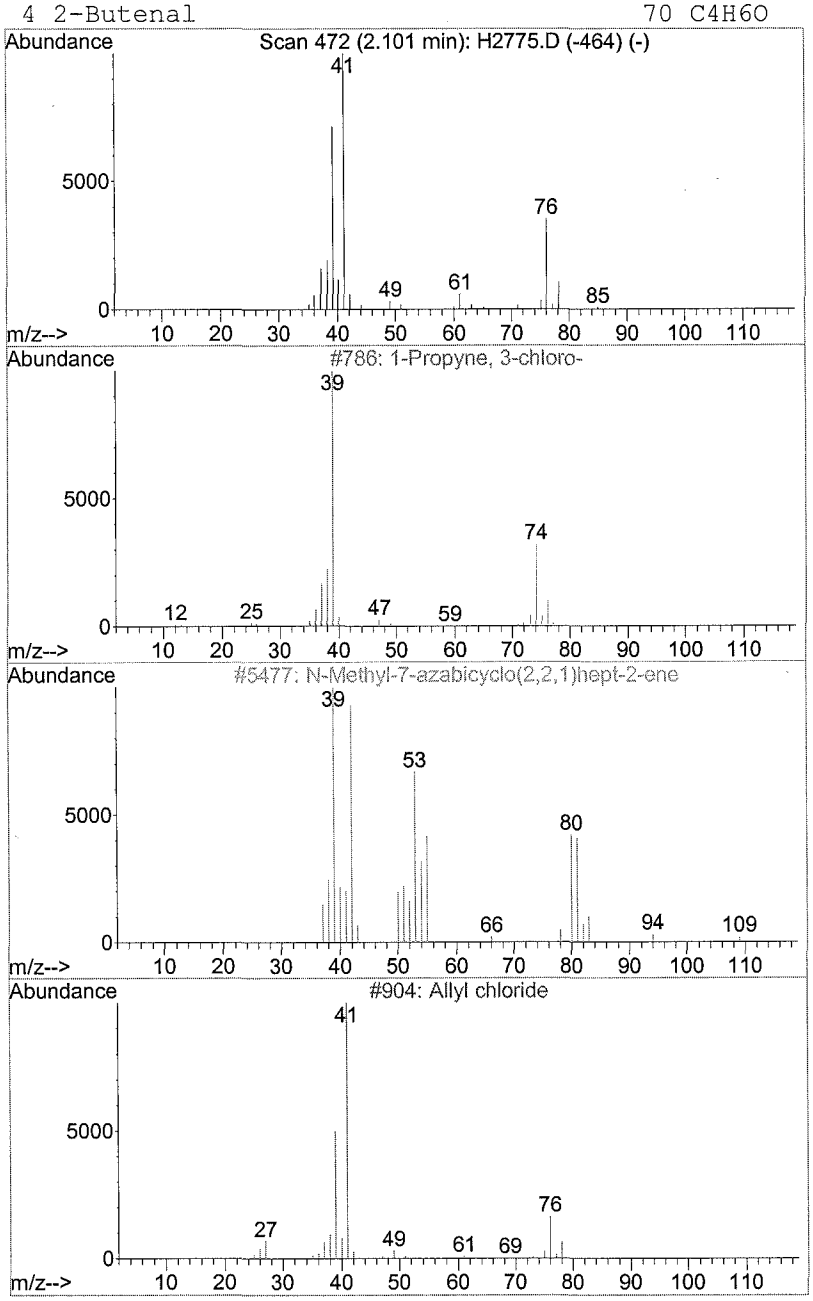
****

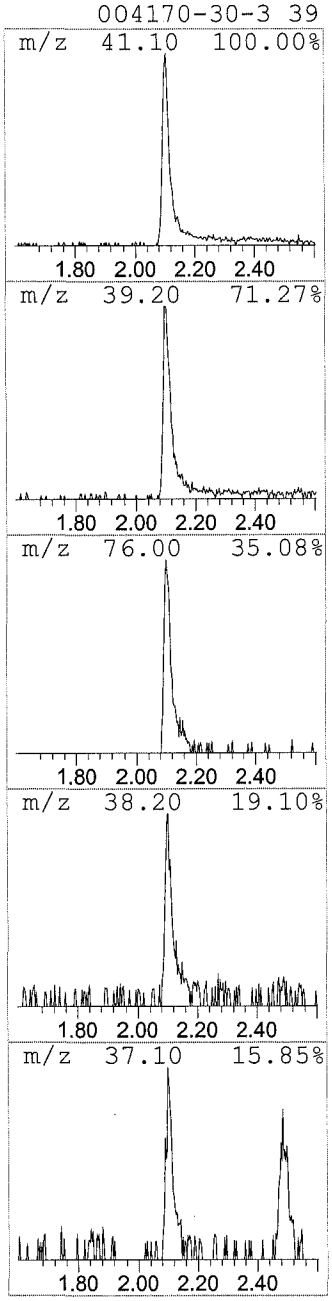
Peak Number 2 1-Propyne, 3-chloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.10	0.80 ug/L	87695	1,4-Difluorobenzene	5.43

Unknown

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-chloro-	74	C3H3Cl	000624-65-7	59
2	N-Methyl-7-azabicyclo(2,2,1)hept...	109	C7H11N	055590-26-6	53
3	Allyl chloride	76	C3H5Cl	000107-05-1	47
4	2-Butenal	70	C4H6O	004170-30-3	39





000000313

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2775.D
Acq On : 08/12/2010 2043
Sample : 0012598-01
Misc : FEL05 25ML
MS Integration Params: Lscint.p

Vial: 22
Operator: AC
Inst : H-5975
Multiplr: 1.00

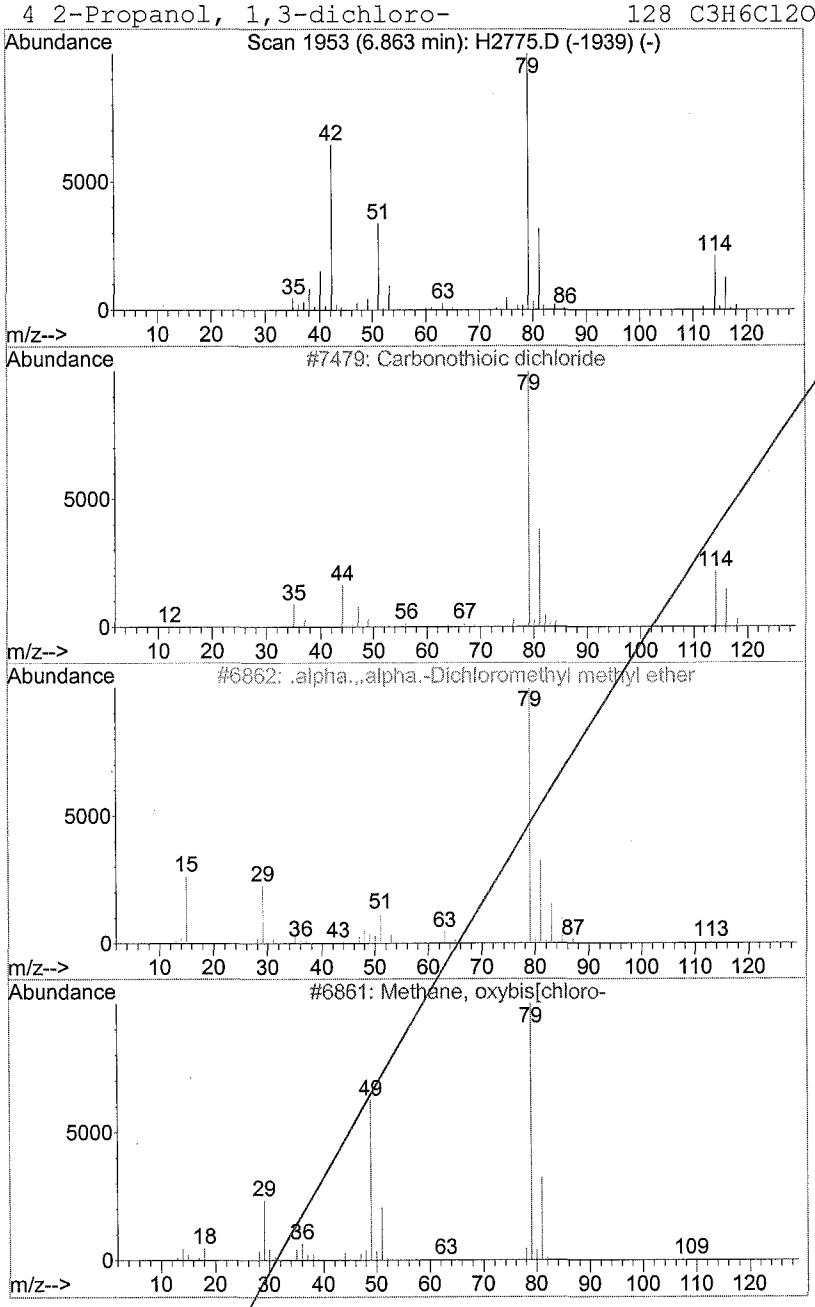
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

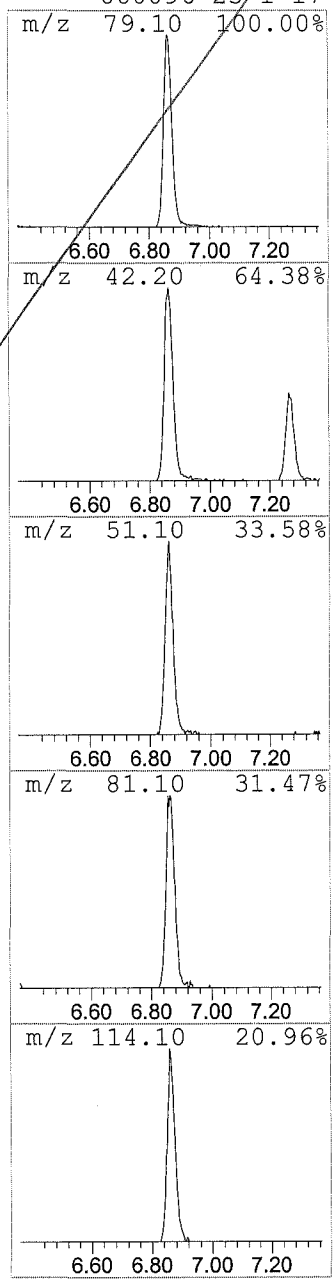
****

Peak Number 3 Carbonothioic dichloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.93 ug/L	431147	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	46
2	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	32
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	23
4	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	17





000000314

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 12 Aug 2010 20:43
Data File: C:\MSDCHEM\1\DATA\H2775.D
Name: 0012598-01
Misc: FEL05 25ML
Method: C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title: CLP SOM01.2-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Ethylene oxide	1.17	415.3	ug/L	45505100	1	5.43	547885	5.0
1-Propyne, 3-chloro-	2.10	0.8	ug/L	87695	1	5.43	547885	5.0
Carbonothioic dic...	6.86	3.9	ug/L	431147	1	5.43	547885	5.0

000000315

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FEL05DL

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012598-01RE1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2778.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/10/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 2.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	19	D
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	19	D
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	6.4	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U
67-64-1	Acetone	5.0	JD
75-15-0	Carbon disulfide	1.0	U
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	2.8	D
1634-04-4	Methyl tert-butyl ether	1.0	U
75-34-3	1,1-Dichloroethane	1.9	D
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	8.2	D
71-55-6	1,1,1-Trichloroethane	2.6	D
110-82-7	Cyclohexane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	4.2	D

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FEL05DL

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012598-01RE1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2778.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/10/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 2.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	1.0	U
78-87-5	1,2-Dichloropropane	10	D
75-27-4	Bromodichloromethane	3.8	D
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	4.9	D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	14	D
106-93-4	1,2-Dibromoethane	8.5	D
108-90-7	Chlorobenzene	23	D
100-41-4	Ethylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
179601-23-1	m,p-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	25	D
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	10	D
106-46-7	1,4-Dichlorobenzene	10	D
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	15	D
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
FEL05DL

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012598-01RE1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2778.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/10/2010

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 2.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

000000318

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2778.D
Acq On : 08/12/2010 2202
Sample : 0012598-01RE1
Misc : FEL05DL 25ML 2X
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:30:38 2010

Vial: 25
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	202665	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	183867	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.88	152	90588	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	13621	4.9770 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 99.54%		
7) Chloroethane-d5	1.84	69	7861	3.8770 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 77.54%		
10) 1,1-Dichloroethene-d2	2.49	63	109026	4.5410 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 90.82%		
20) 2-Butanone-d5	4.04	46	163827	62.1542 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 124.31%		
24) Chloroform-d	4.38	84	130635	4.9780 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 99.56%		
26) 1,2-Dichloroethane-d4	4.91	65	89441	5.3517 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 107.03%		
32) Benzene-d6	4.95	84	233195	4.7014 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 94.03%		
35) 1,2-Dichloropropane-d6	5.88	67	70180	4.7452 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 94.90%		
41) Toluene-d8	7.27	98	211332	4.6383 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 92.77%		
43) trans-1,3-Dichloropropene-	7.63	79	72997	4.8002 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 96.00%		
47) 2-Hexanone-d5	8.24	63	43121	56.9662 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 113.93%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	48897	5.3138 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 106.28%		
63) 1,2-Dichlorobenzene-d4	13.28	152	67769	4.6394 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 92.79%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.28	85	27822	9.6325 ug/L	98
5) Vinyl Chloride	1.52	62	37267	9.4153 ug/L	92
11) 1,1-Dichloroethene	2.49	96	24929	3.1768 ug/L #	57
13) Acetone	2.54	43	6702	2.4818 ug/L	93
17) trans-1,2-Dichloroethene	3.15	96	15459	1.3942 ug/L	99
19) 1,1-Dichloroethane	3.53	63	26033	0.9579 ug/L	99
25) Chloroform	4.40	83	99746	4.0900 ug/L	99
29) 1,1,1-Trichloroethane	4.60	97	25464	1.3204 ug/L	100
34) Trichloroethene	5.73	95	26843	2.0847 ug/L	99
37) 1,2-Dichloropropane	5.98	63	76599	5.2296 ug/L	100
38) Bromodichloromethane	6.33	83	31114	1.9030 ug/L	97
46) Tetrachloroethene	8.12	164	22895	2.4456 ug/L	97
49) Dibromochloromethane	8.47	129	62038	7.0660 ug/L	99
50) 1,2-Dibromoethane	8.61	107	34180	4.2628 ug/L	100
51) Chlorobenzene	9.37	112	386266	11.6508 ug/L	99
60) Bromoform	10.66	173	44046	12.5678 ug/L	95
61) 1,3-Dichlorobenzene	12.90	146	132181	5.2475 ug/L	99
62) 1,4-Dichlorobenzene	12.90	146	132181	5.0597 ug/L	99

000000319

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:30:38 2010 Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
65) 1,2-Dibromo-3-chloropropan	14.06	75	11055	7.5160 ug/L	94

000000320

(#) = qualifier out of range (m) = manual integration (+) = signals summed

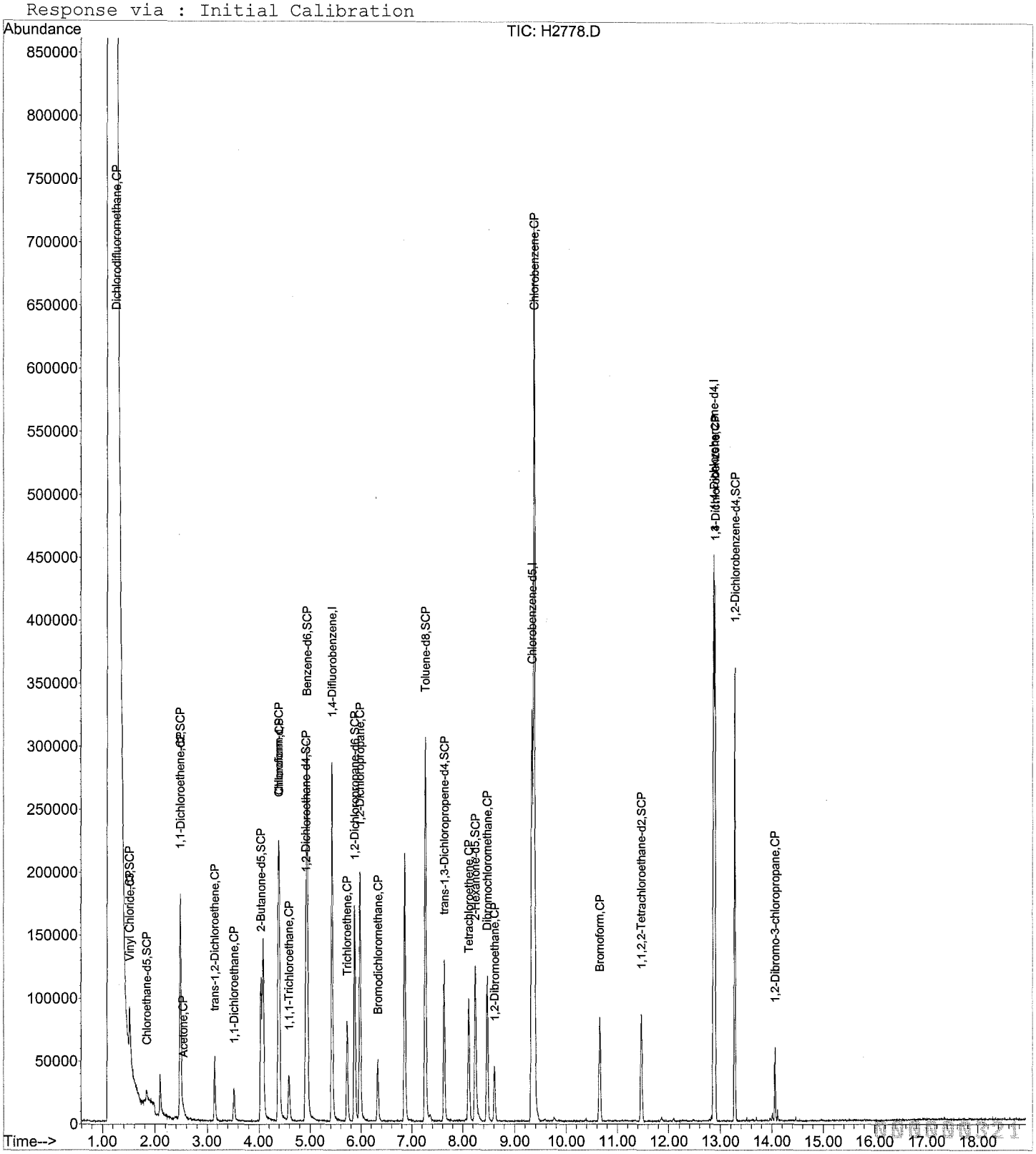
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2778.D
Acq On : 08/12/2010 2202
Sample : 0012598-01RE1
Misc : FEL05DL 25ML 2X
MS Integration Params: RTEINT.P
Quant Time: Aug 13 16:41 2010

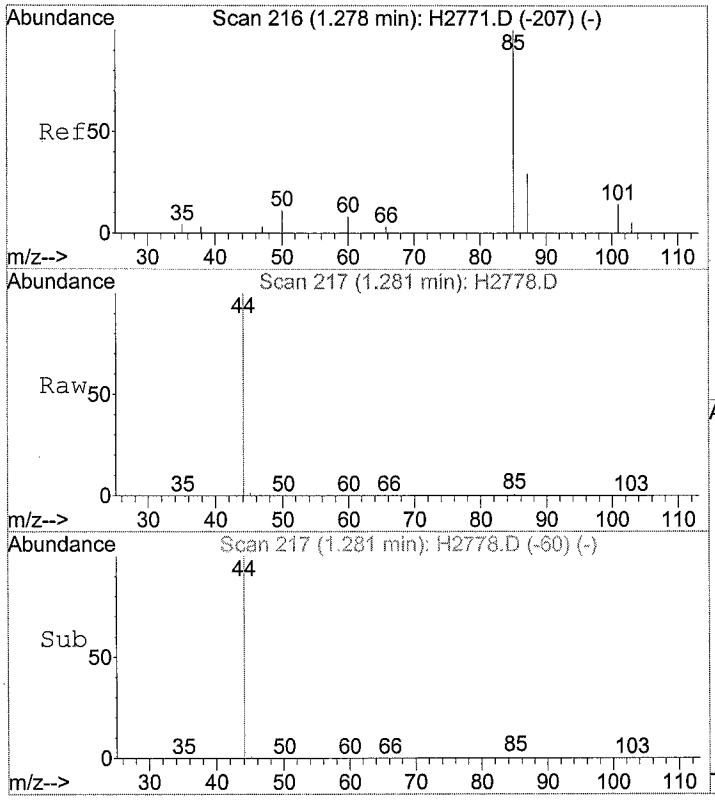
Vial: 25
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



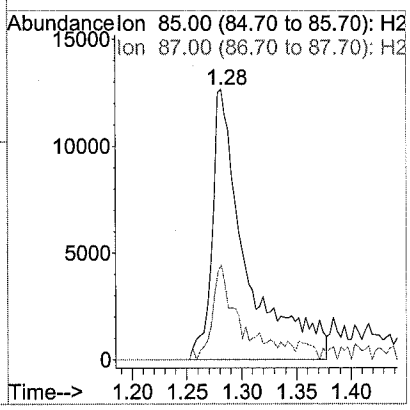
Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

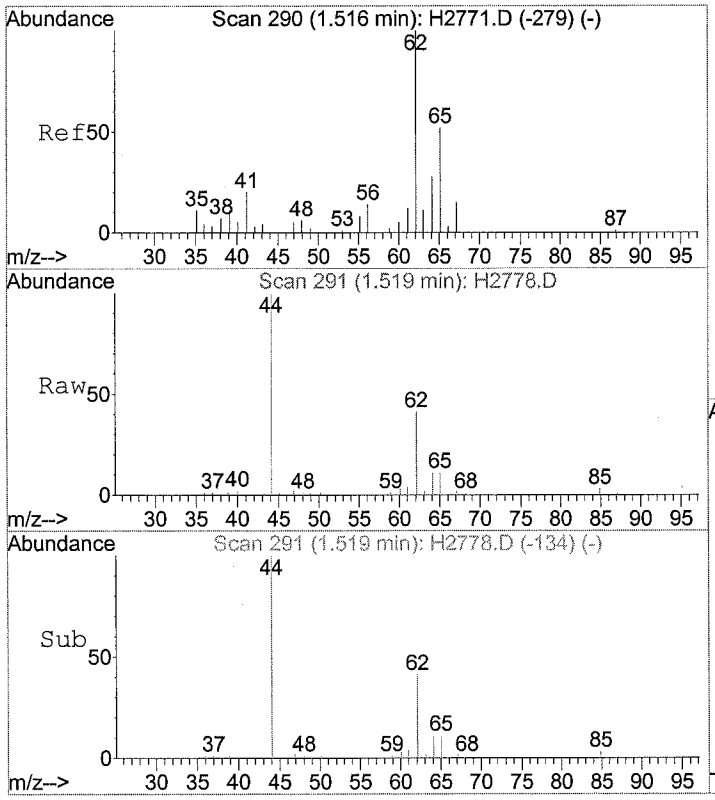


#2
Dichlorodifluoromethane
Concen: 9.6325 ug/L
RT: 1.28 min Scan# 217
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

Tgt Ion: 85 Resp: 27822

Ion	Ratio	Lower	Upper
85	100		
87	27.1	8.3	48.3

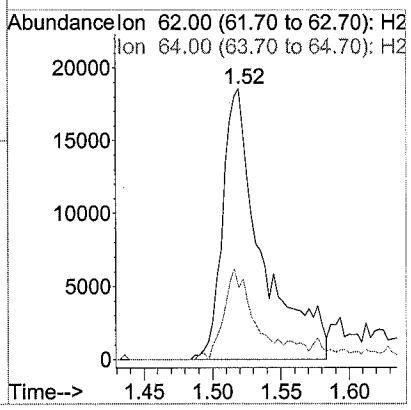




#5
Vinyl Chloride
Concen: 9.4153 ug/L
RT: 1.52 min Scan# 291
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

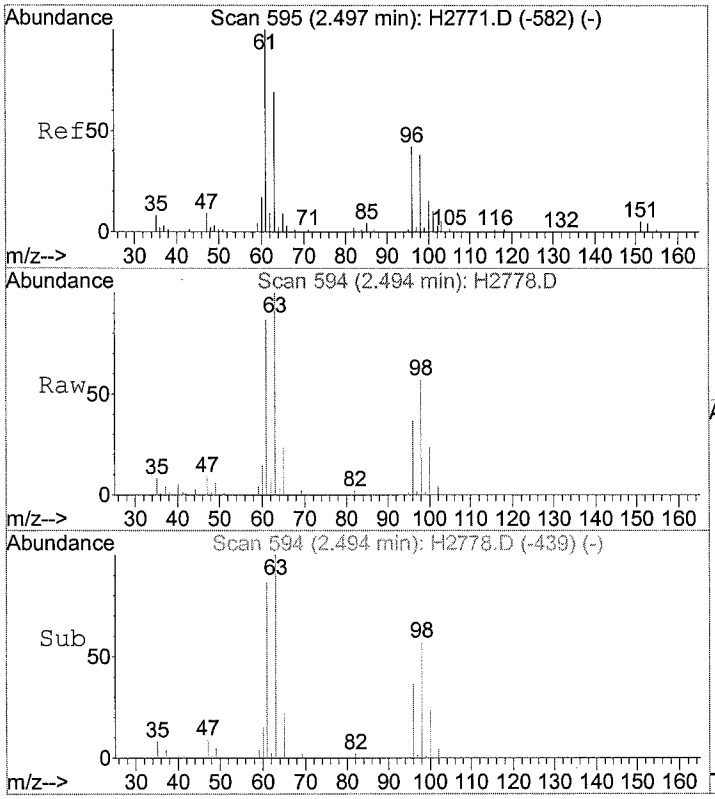
Tgt Ion: 62 Resp: 37267

Ion	Ratio	Lower	Upper
62	100		
64	28.6	4.4	44.4



000000322

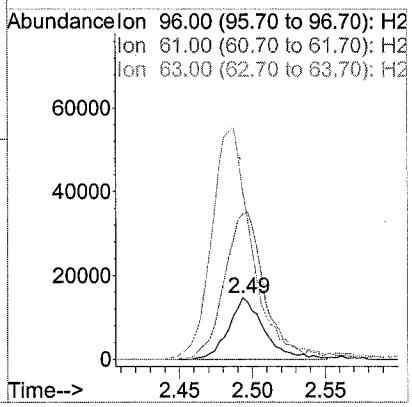
Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

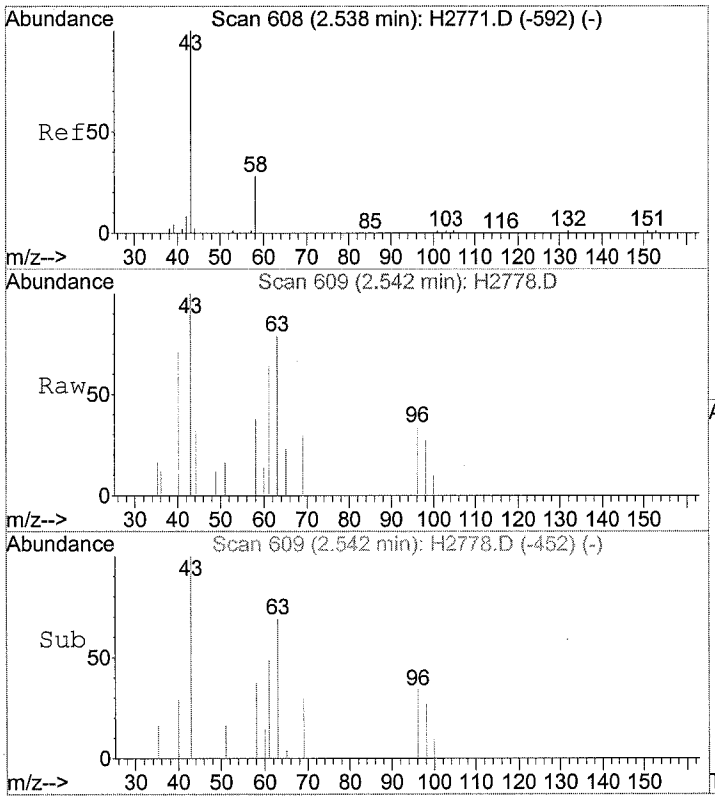


#11
1,1-Dichloroethene
Concen: 3.1768 ug/L
RT: 2.49 min Scan# 594
Delta R.T. -0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

Tgt Ion: 96 Resp: 24929

Ion	Ratio	Lower	Upper
96	100		
61	274.0	238.5	278.5
63	437.3	273.9	313.9#

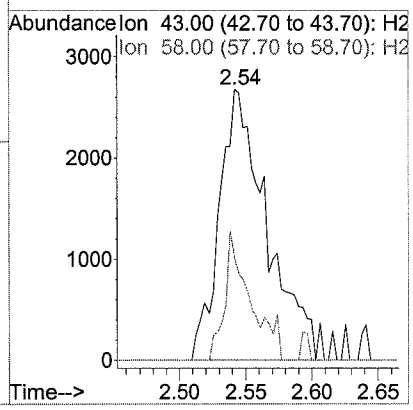




#13
Acetone
Concen: 2.4818 ug/L
RT: 2.54 min Scan# 609
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

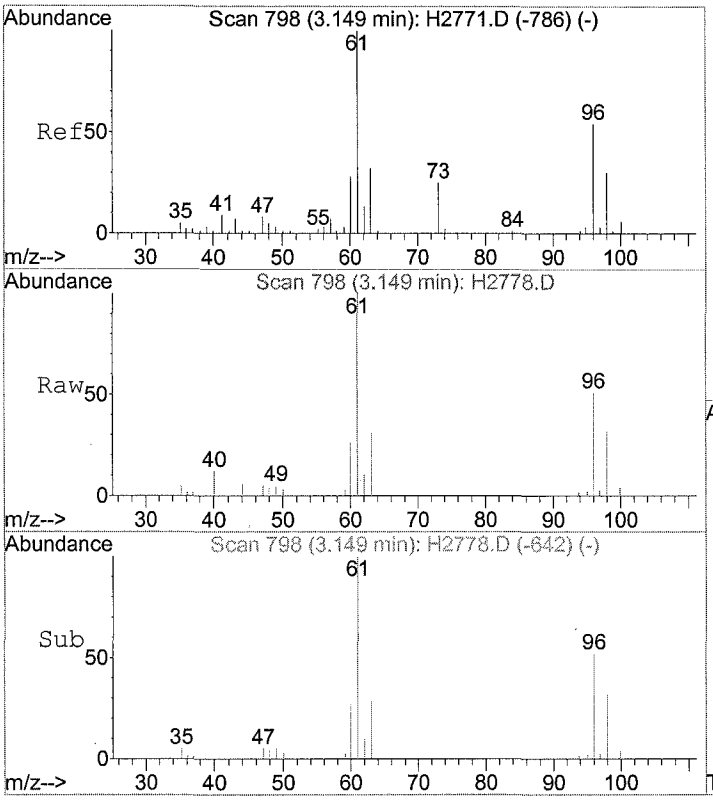
Tgt Ion: 43 Resp: 6702

Ion	Ratio	Lower	Upper
43	100		
58	25.6	9.3	49.3



000000323

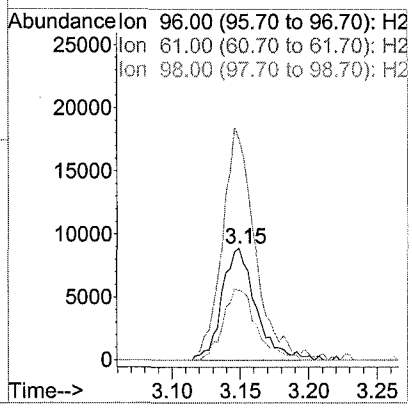
```
Data File : C:\MSDCHEM\1\DATA\H2778.D                    Vial: 25
Acq On    : 08/12/2010  2202                          Operator: AC
Sample    : 0012598-01RE1                             Inst    : H-5975
Misc      : FEL05DL  25ML   2X                        Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title     : CLP SOM01.2-TRACE VOA-WATER -25ML
```

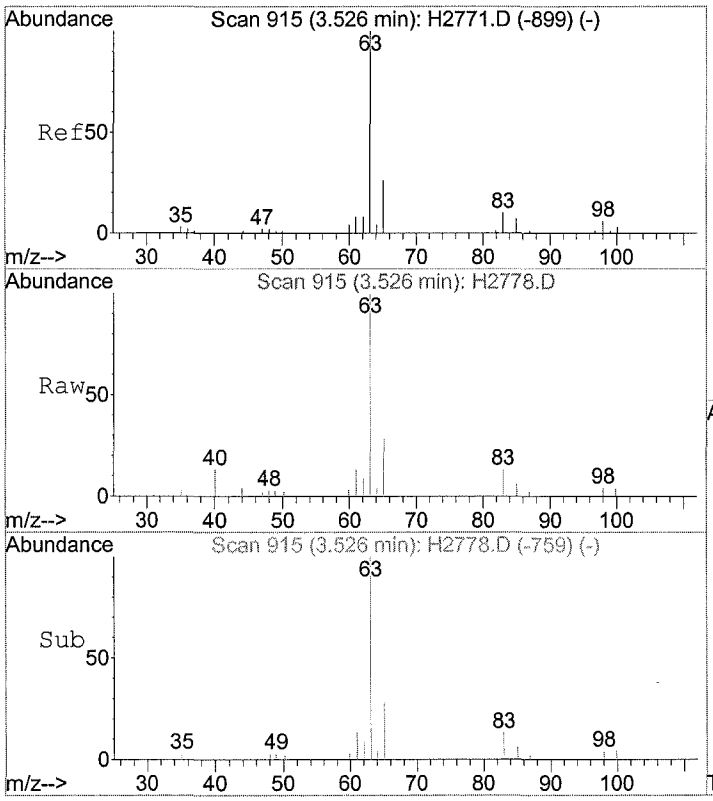


#17
trans-1,2-Dichloroethene
Concen: 1.3942 ug/L
RT: 3.15 min Scan# 798
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

Tgt Ion: 96 Resp: 15459

Ion	Ratio	Lower	Upper
96	100		
61	200.3	180.1	220.1
98	62.4	46.4	86.4

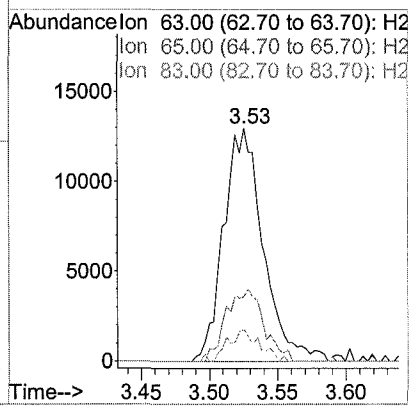




#19
1,1-Dichloroethane
Concen: 0.9579 ug/L
RT: 3.53 min Scan# 915
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

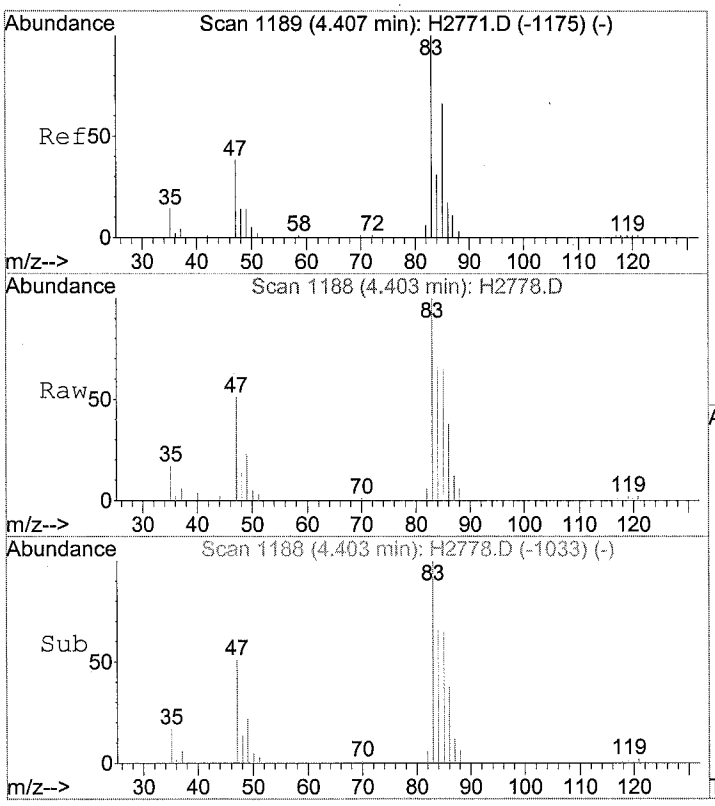
Tgt Ion: 63 Resp: 26033

Ion	Ratio	Lower	Upper
63	100		
65	29.3	8.4	48.4
83	10.5	0.0	30.7



000000324

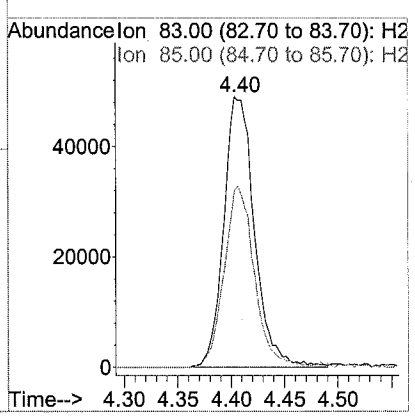
Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

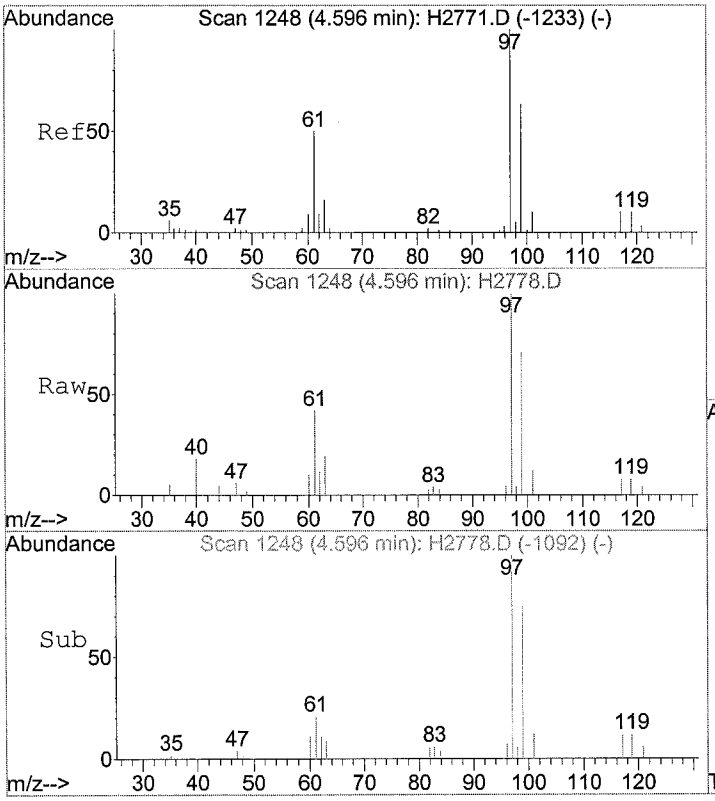


#25
Chloroform
Concen: 4.0900 ug/L
RT: 4.40 min Scan# 1188
Delta R.T. -0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

Tgt Ion: 83 Resp: 99746

Ion	Ratio	Lower	Upper
83	100		
85	65.7	45.3	85.3

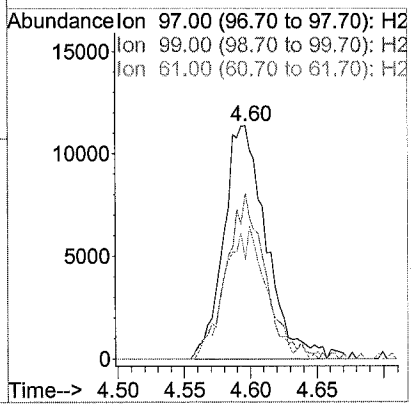




#29
1,1,1-Trichloroethane
Concen: 1.3204 ug/L
RT: 4.60 min Scan# 1248
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

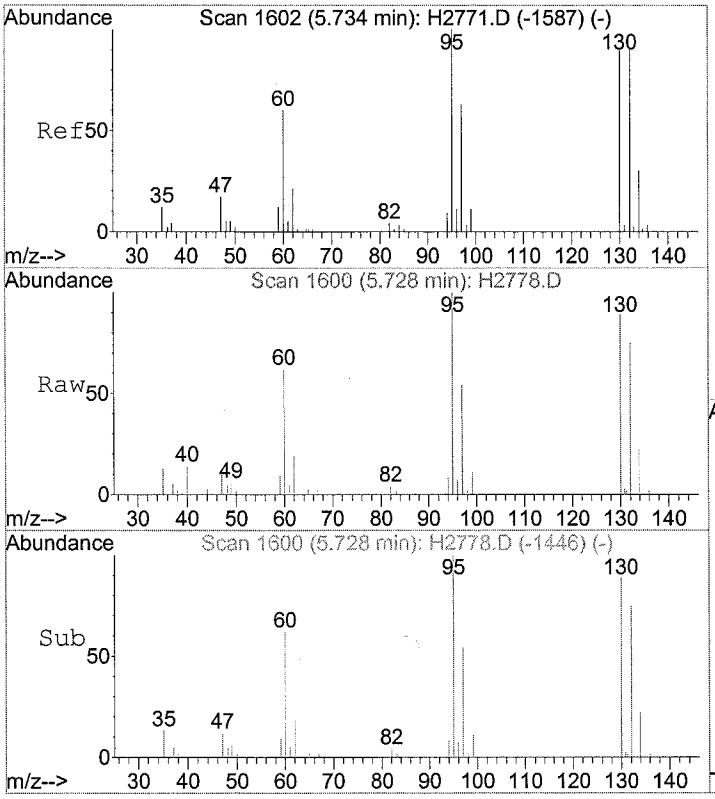
Tgt Ion: 97 Resp: 25464

Ion	Ratio	Lower	Upper
97	100		
99	65.0	45.2	85.2
61	53.6	33.1	73.1



000000325

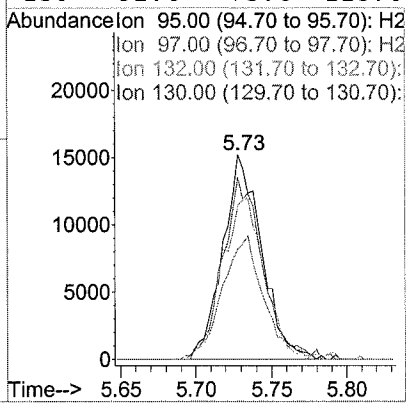
Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

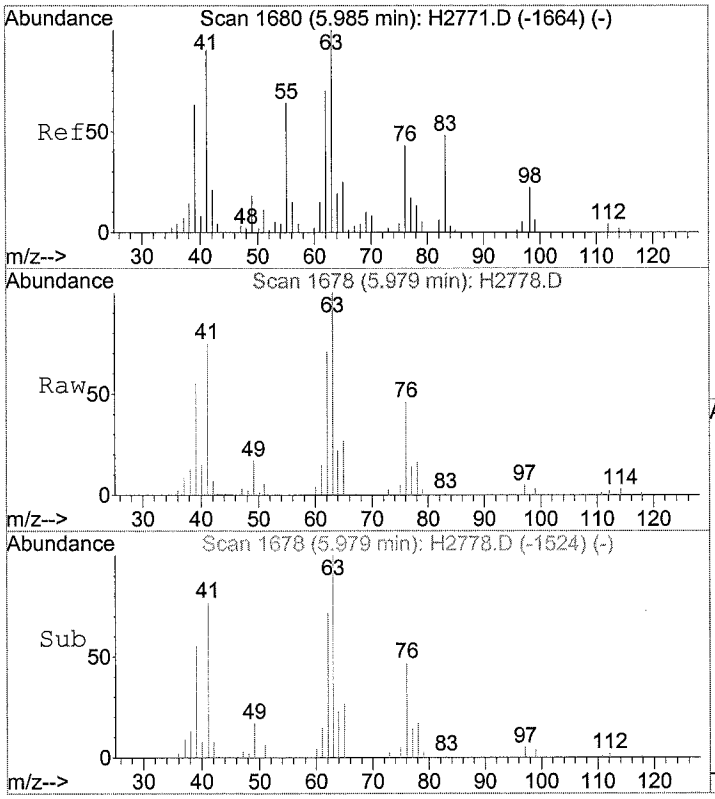


#34
Trichloroethene
Concen: 2.0847 ug/L
RT: 5.73 min Scan# 1600
Delta R.T. -0.01 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

Tgt Ion: 95 Resp: 26843

Ion	Ratio	Lower	Upper
95	100		
97	63.6	43.0	83.0
132	85.9	66.4	106.4
130	92.6	73.6	113.6

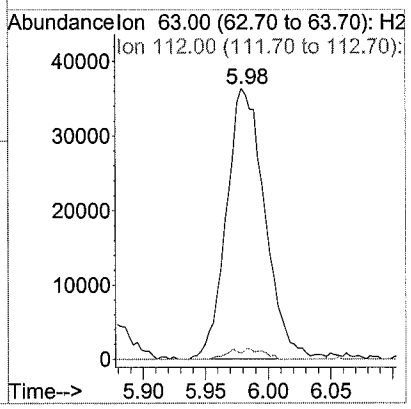




#37
1,2-Dichloropropane
Concen: 5.2296 ug/L
RT: 5.98 min Scan# 1678
Delta R.T. -0.01 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

Tgt Ion: 63 Resp: 76599

Ion	Ratio	Lower	Upper
63	100		
112	2.0	0.0	21.9



000000326

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Data File : C:\MSDCHEM\1\DATA\H2778.D                    Vial: 25
Acq On    : 08/12/2010  2202                         Operator: AC
Sample    : 0012598-01RE1                            Inst    : H-5975
Misc      : FEL05DL  25ML   2X                       Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title     : CLP SOM01.2-TRACE VOA-WATER -25ML
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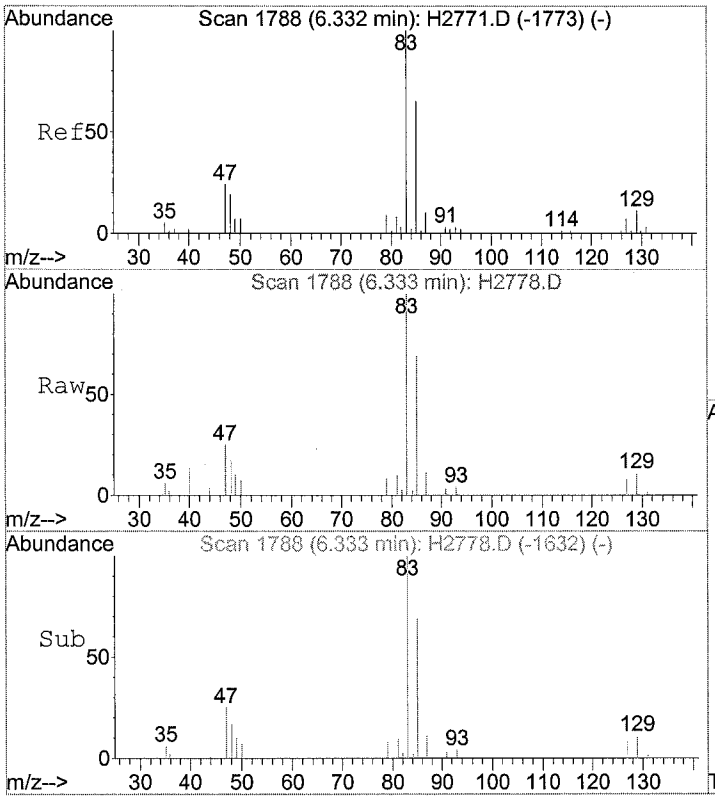
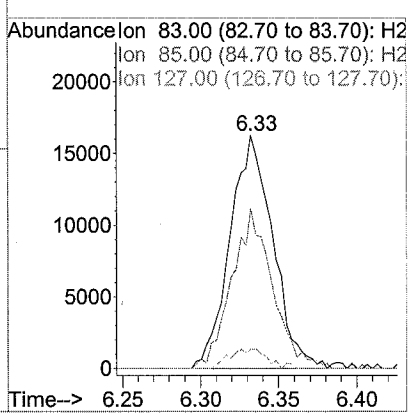
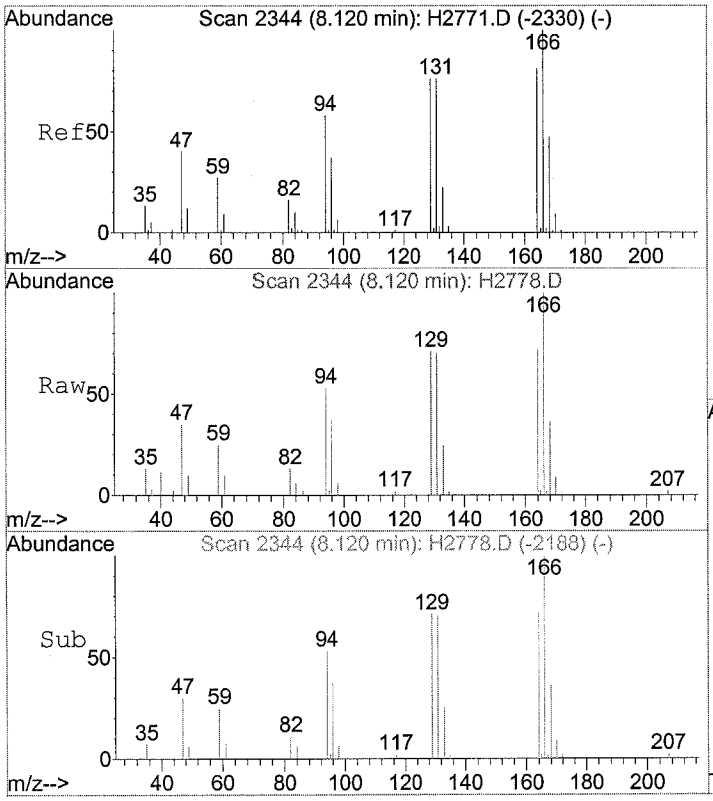


#38
Bromodichloromethane
Concen: 1.9030 ug/L
RT: 6.33 min Scan# 1788
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

Tgt Ion: 83 Resp: 31114

Ion	Ratio	Lower	Upper
83	100		
85	65.1	43.1	83.1
127	7.2	0.0	27.9

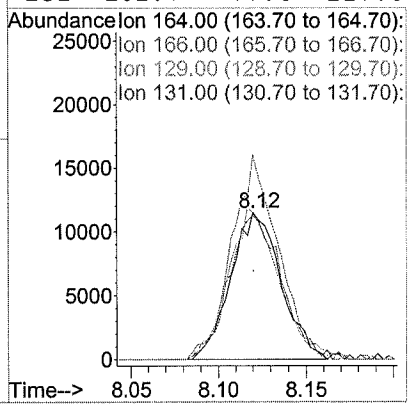




#46
Tetrachloroethene
Concen: 2.4456 ug/L
RT: 8.12 min Scan# 2344
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

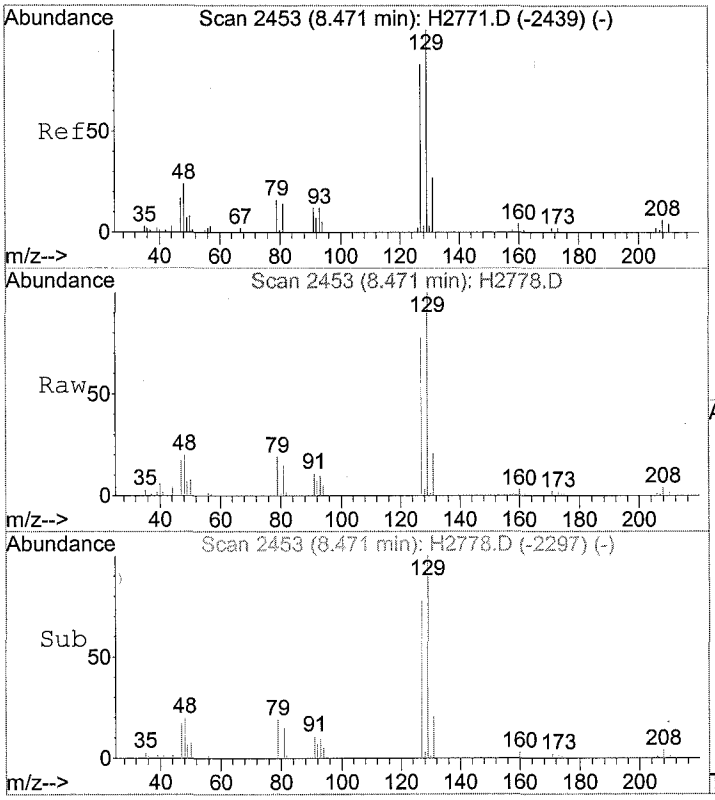
Tgt Ion:164 Resp: 22895

Ion	Ratio	Lower	Upper
164	100		
166	131.1	106.2	146.2
129	102.2	82.3	122.3
131	102.7	77.0	117.0



000000327

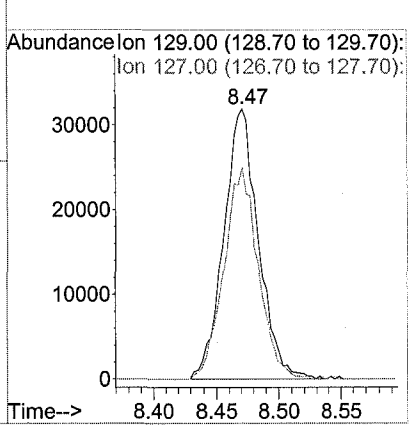
Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

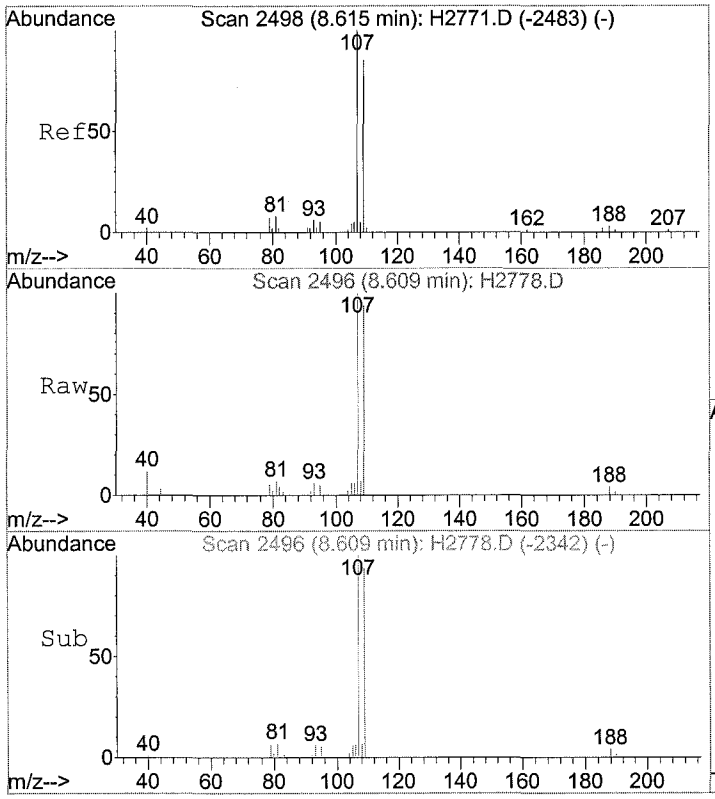


#49
Dibromochloromethane
Concen: 7.0660 ug/L
RT: 8.47 min Scan# 2453
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

Tgt Ion:129 Resp: 62038

Ion	Ratio	Lower	Upper
129	100		
127	77.5	57.0	97.0

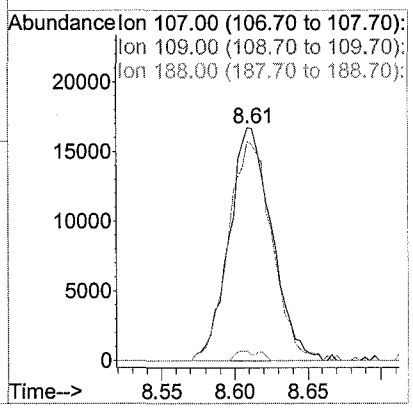




#50
1,2-Dibromoethane
Concen: 4.2628 ug/L
RT: 8.61 min Scan# 2496
Delta R.T. -0.01 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

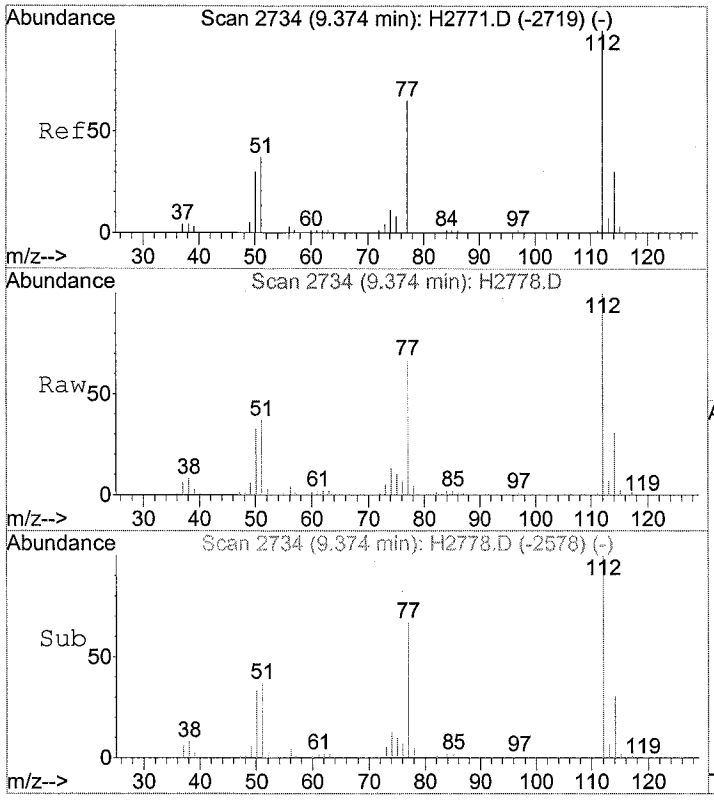
Tgt Ion:107 Resp: 34180

Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.9	115.9
188	2.5	0.0	22.4



000000328

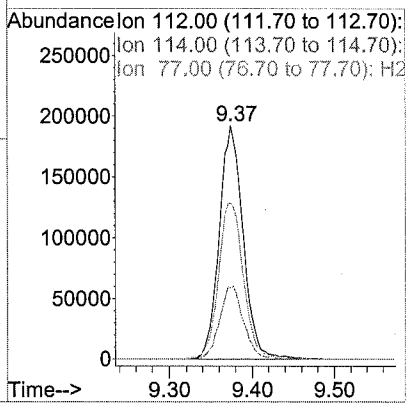
Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

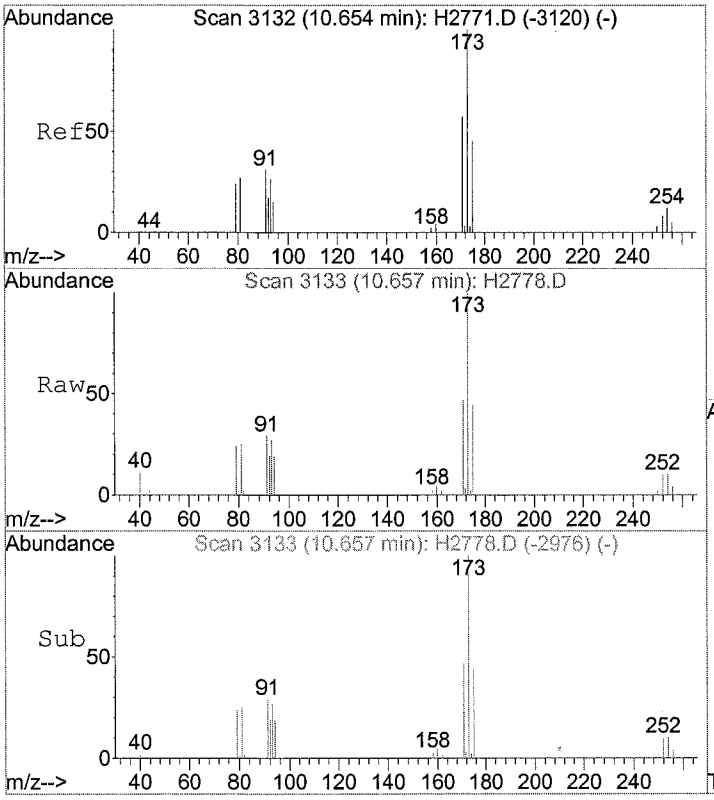


#51
Chlorobenzene
Concen: 11.6508 ug/L
RT: 9.37 min Scan# 2734
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

Tgt Ion:112 Resp: 386266

Ion	Ratio	Lower	Upper
112	100		
114	31.5	12.1	52.1
77	70.4	49.8	89.8

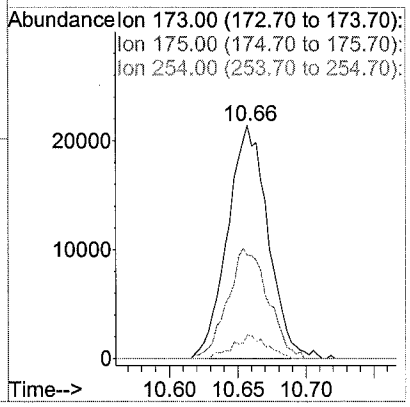




#60
Bromoform
Concen: 12.5678 ug/L
RT: 10.66 min Scan# 3133
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

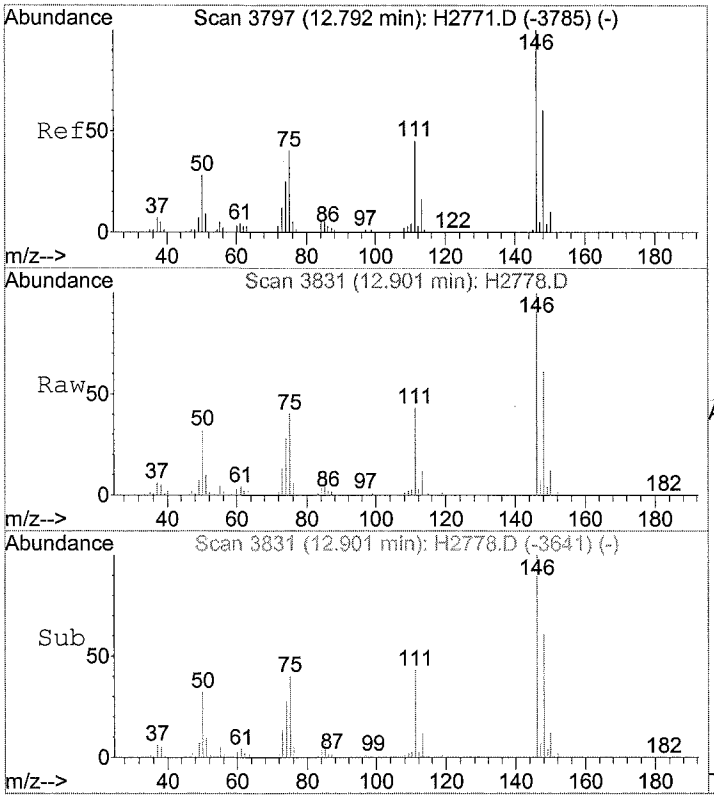
Tgt Ion:173 Resp: 44046

Ion	Ratio	Lower	Upper
173	100		
175	46.8	30.0	70.0
254	8.3	0.0	22.8



000000329

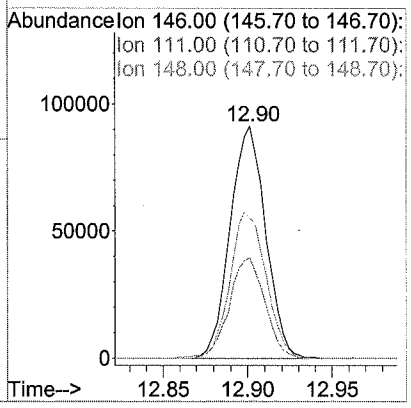
Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

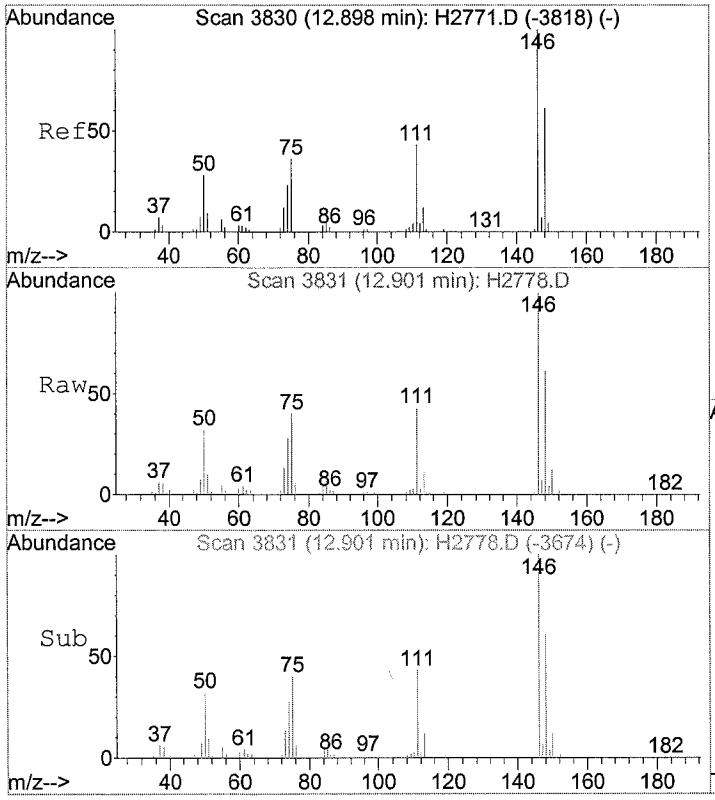


#61
1,3-Dichlorobenzene
Concen: 5.2475 ug/L
RT: 12.90 min Scan# 3831
Delta R.T. 0.11 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

Tgt Ion:146 Resp: 132181

Ion	Ratio	Lower	Upper
146	100		
111	43.6	24.3	64.3
148	63.7	44.7	84.7

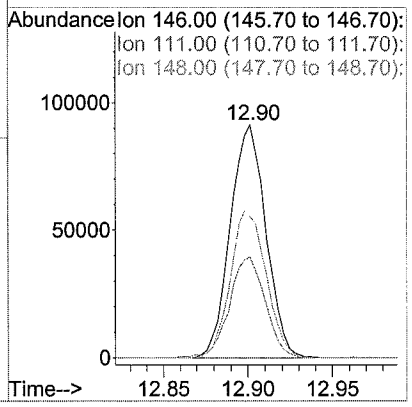




#62
1,4-Dichlorobenzene
Concen: 5.0597 ug/L
RT: 12.90 min Scan# 3831
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

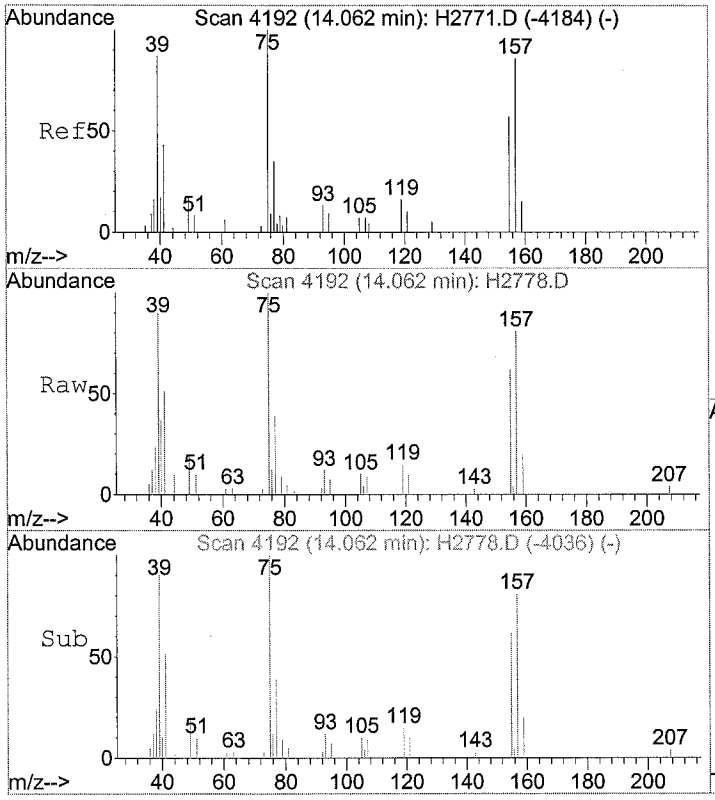
Tgt Ion:146 Resp: 132181

Ion	Ratio	Lower	Upper
146	100		
111	43.6	25.3	65.3
148	63.7	43.1	83.1



000000330

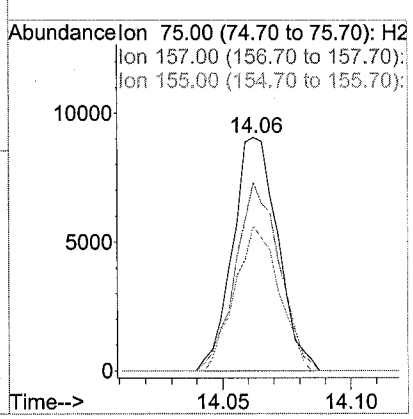
```
   Data File : C:\MSDCHEM\1\DATA\H2778.D                    Vial: 25
   Acq On    : 08/12/2010  2202                        Operator: AC
   Sample    : 0012598-01RE1                           Inst    : H-5975
   Misc      : FEL05DL  25ML   2X                      Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title     : CLP SOM01.2-TRACE VOA-WATER -25ML
```



#65
1,2-Dibromo-3-chloropropane
Concen: 7.5160 ug/L
RT: 14.06 min Scan# 4192
Delta R.T. 0.00 min
Lab File: H2778.D
Acq: 12 Aug 2010 22:02

Tgt Ion: 75 Resp: 11055

Ion	Ratio	Lower	Upper
75	100		
157	78.6	51.5	91.5
155	60.5	42.2	82.2



000000331

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: Lscint.p

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 40
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.143	152	174	177	rBV	6066642	14481091	100.00%	58.231%
2	1.513	286	289	305	rVB4	49937	79118	0.55%	0.318%
3	1.722	352	354	358	rVB5	4723	3119	0.02%	0.013%
4	1.841	386	391	394	rBV7	8651	10683	0.07%	0.043%
5	2.104	463	473	482	rBV3	32289	47897	0.33%	0.193%
6	2.220	508	509	513	rVB2	4281	2654	0.02%	0.011%
7	2.487	578	592	607	rBV2	178146	356320	2.46%	1.433%
8	2.587	620	623	628	rVB3	3283	2847	0.02%	0.011%
9	3.146	787	797	810	rBV	51328	86283	0.60%	0.347%
10	3.526	902	915	928	rBV3	25874	49614	0.34%	0.200%
11	4.037	1062	1074	1079	rBV	114233	204680	1.41%	0.823%
12	4.082	1082	1088	1108	rVB3	142789	287695	1.99%	1.157%
13	4.397	1169	1186	1209	rBV3	223071	595884	4.11%	2.396%
14	4.596	1233	1248	1260	rBV5	35246	77087	0.53%	0.310%
15	4.944	1335	1356	1373	rBV4	301997	791973	5.47%	3.185%
16	5.432	1495	1508	1527	rBV	284645	550090	3.80%	2.212%
17	5.503	1529	1530	1534	rVV2	3665	2700	0.02%	0.011%
18	5.728	1588	1600	1618	rBV3	79624	151201	1.04%	0.608%
19	5.876	1631	1646	1664	rBV2	171738	350041	2.42%	1.408%
20	5.979	1666	1678	1695	rVV3	195596	410179	2.83%	1.649%
21	6.333	1775	1788	1802	rBV2	48894	89568	0.62%	0.360%
22	6.860	1939	1952	1970	rBV2	212945	409389	2.83%	1.646%
23	7.268	2064	2079	2097	rBV3	305090	613058	4.23%	2.465%
24	7.635	2179	2193	2208	rBV3	128363	243527	1.68%	0.979%
25	8.120	2331	2344	2360	rBV3	96896	197748	1.37%	0.795%
26	8.242	2367	2382	2399	rBV2	123443	277804	1.92%	1.117%
27	8.471	2439	2453	2469	rBV4	115490	230025	1.59%	0.925%
28	8.612	2485	2497	2510	rVB	43304	83509	0.58%	0.336%
29	9.329	2708	2720	2726	rBV2	326254	634229	4.38%	2.550%
30	9.374	2726	2734	2752	rVV2	712472	1449942	10.01%	5.831%
31	10.654	3118	3132	3151	rVB4	83186	170588	1.18%	0.686%
32	11.467	3370	3385	3402	rVB2	85989	183655	1.27%	0.739%
33	12.828	3803	3808	3811	rBV5	4418	3201	0.02%	0.013%
34	12.876	3811	3823	3826	rVV2	450126	643849	4.45%	2.589%
35	12.898	3827	3830	3844	rVB2	425314	529892	3.66%	2.131%
36	13.281	3939	3949	3960	rVB2	359817	480482	3.32%	1.932%
37	14.014	4172	4177	4185	rVB3	5999	5626	0.04%	0.023%
38	14.062	4185	4192	4201	rVB3	58511	70149	0.48%	0.282%
39	14.110	4202	4207	4216	rBV4	8799	7748	0.05%	0.031%

000000332

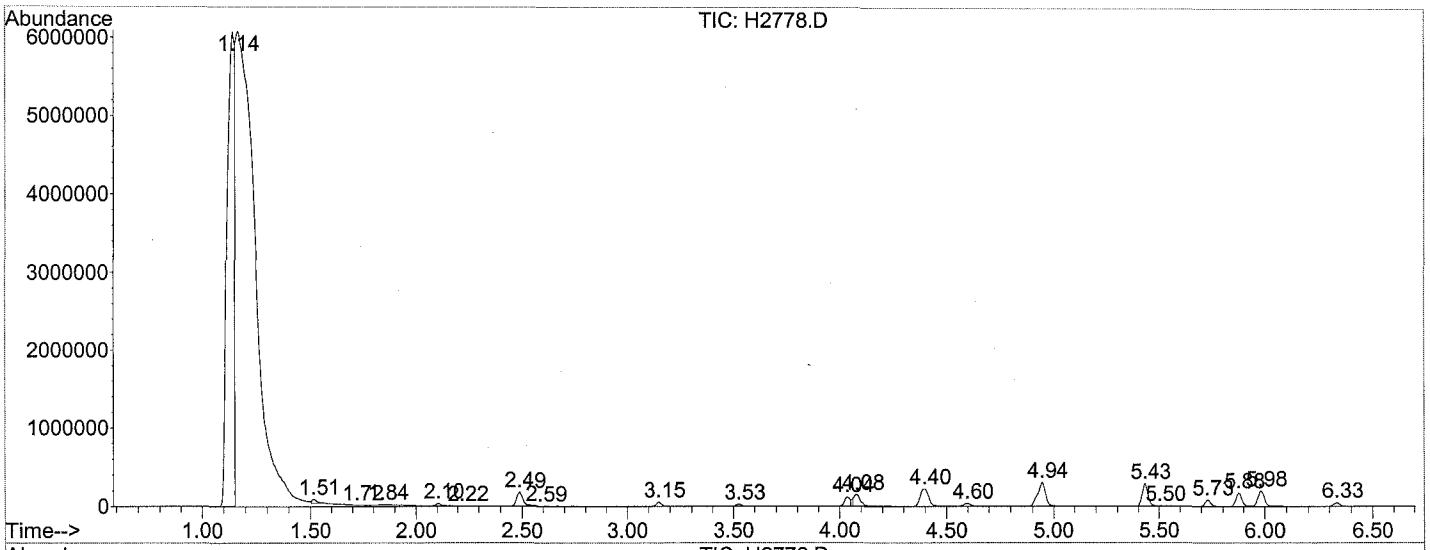
40	14.464	4313	4317	4323	rVB2	3596	3024	0.02%	0.012%

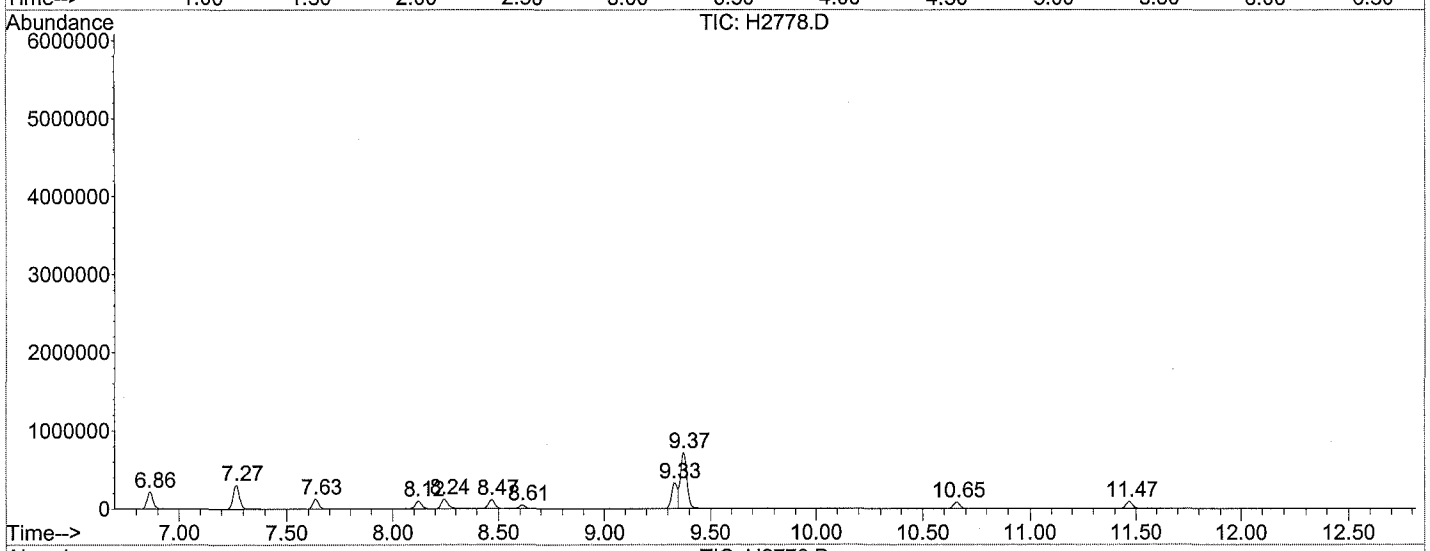
Sum of corrected areas: 24868169

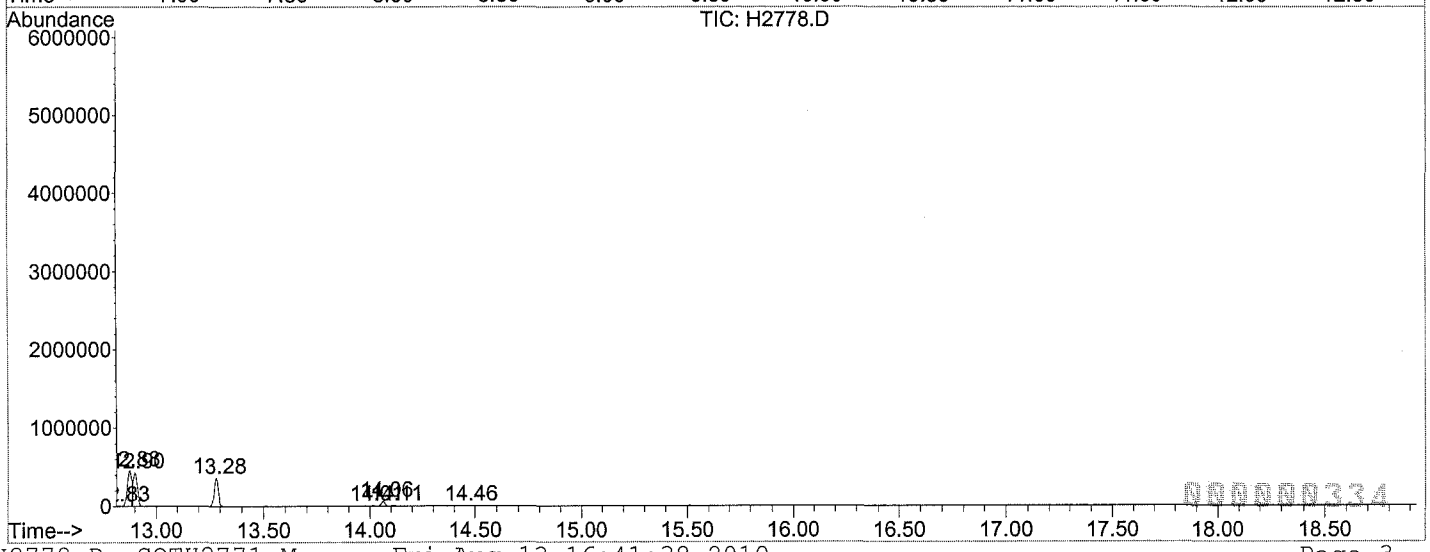
000000333

LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

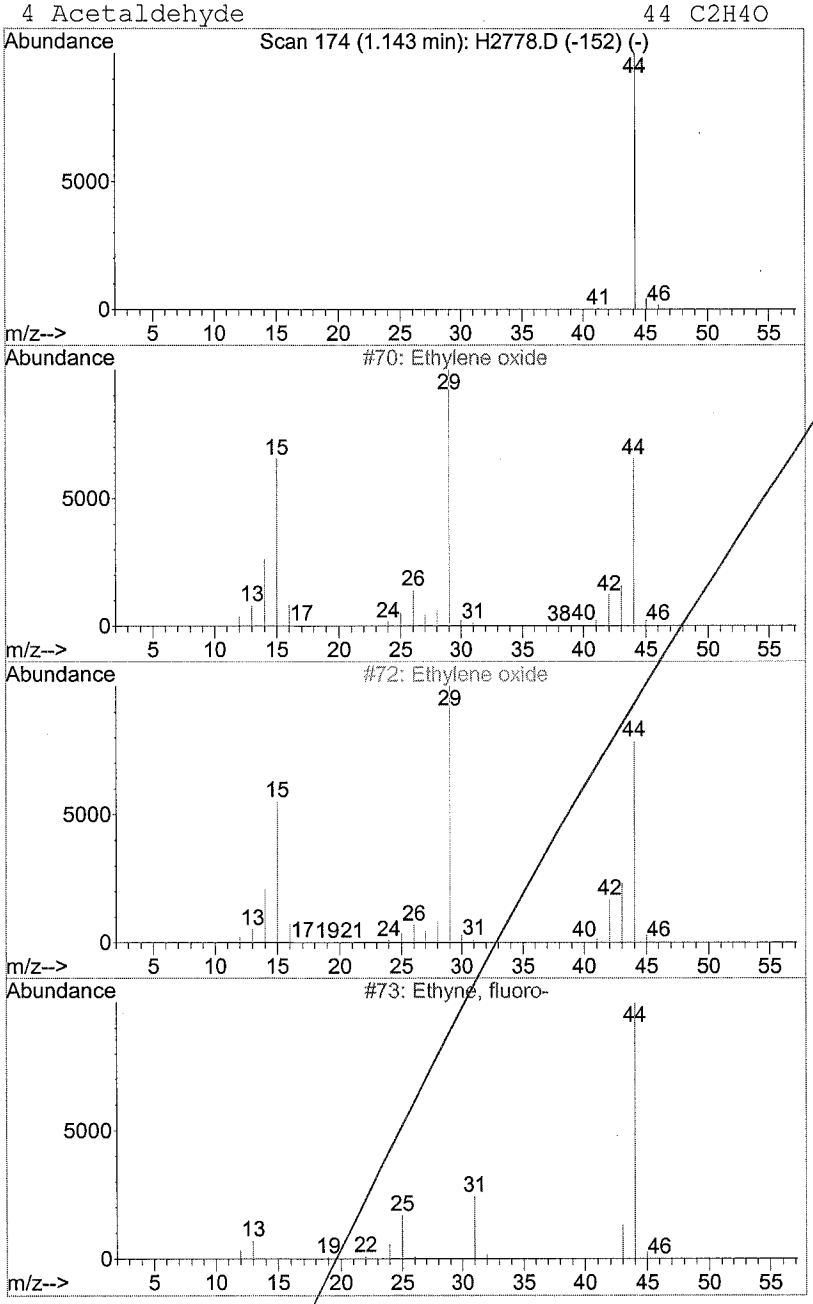
****

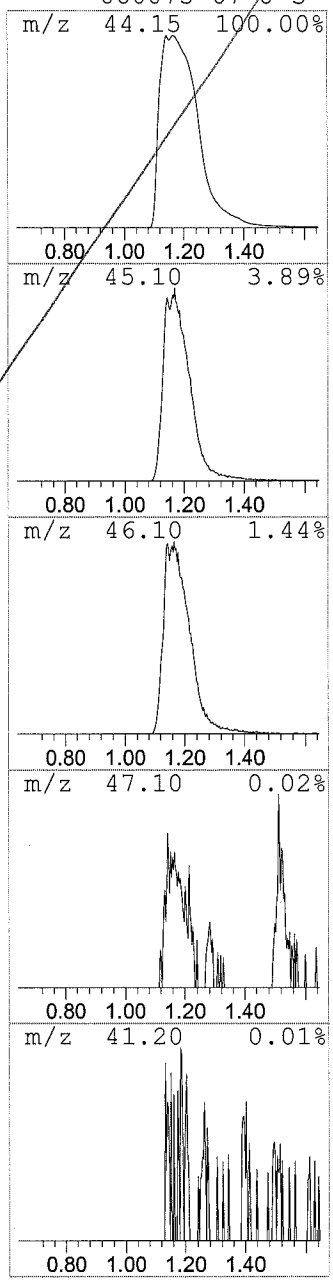
Peak Number 1 Ethylene oxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.14	131.63 ug/L	14481100	1,4-Difluorobenzene	5.43

CO2

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	4
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Ethyne, fluoro-	44	C2HF	002713-09-9	3
4	Acetaldehyde	44	C2H4O	000075-07-0	3





000000335

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2778.D Vial: 25
Acq On : 08/12/2010 2202 Operator: AC
Sample : 0012598-01RE1 Inst : H-5975
Misc : FEL05DL 25ML 2X Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

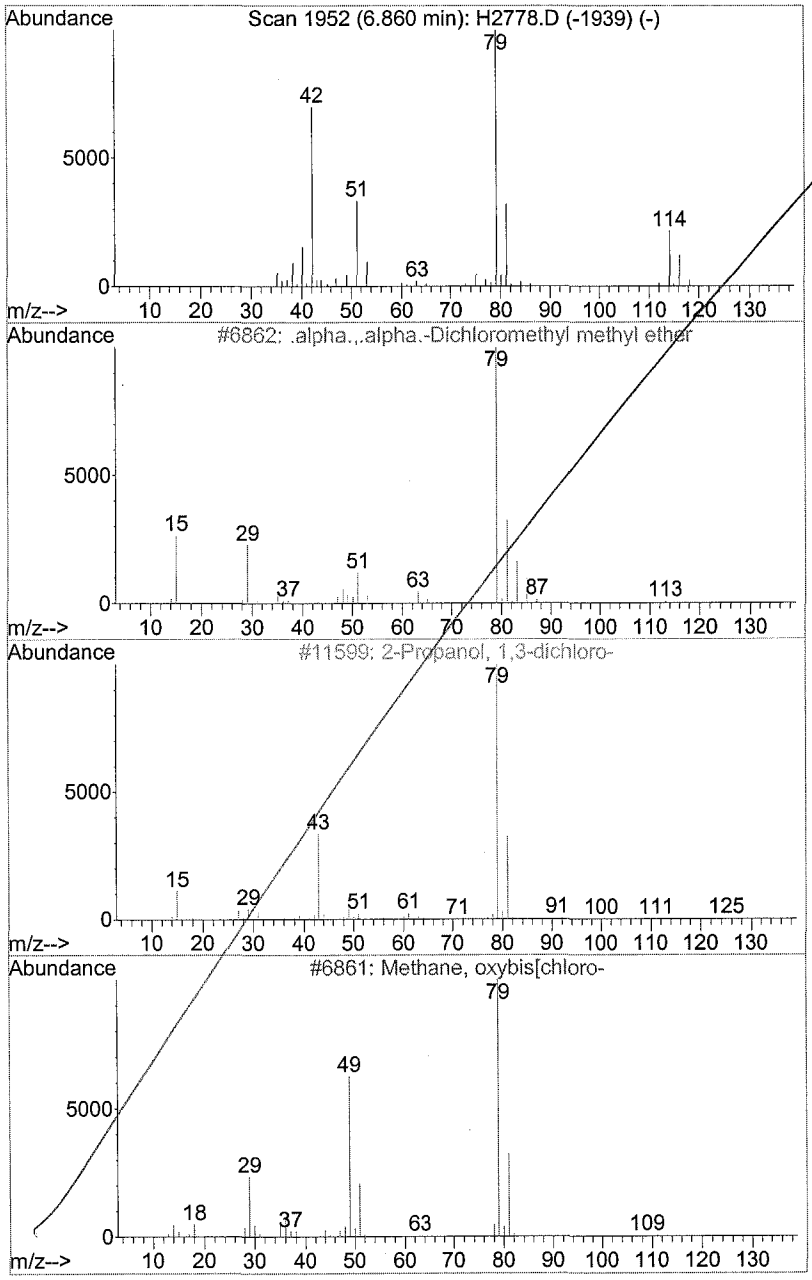
Done category

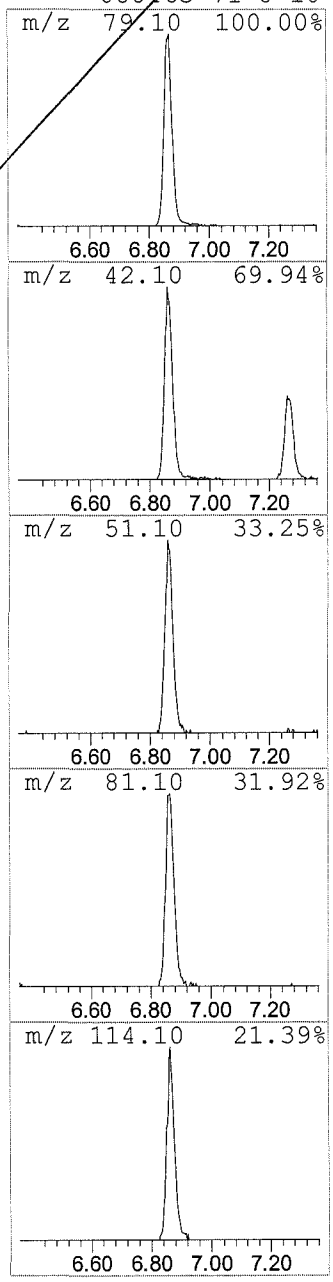
****

Peak Number 2 .alpha.,.alpha.-Dichloromet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.72 ug/L	409389	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	25
2	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	25
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	23
4	Carbonothioic dichloride	114	CCl2S	000463-71-8	10





000000336

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 12 Aug 2010 22:02
Data File: C:\MSDCHEM\1\DATA\H2778.D
Name: 0012598-01RE1
Misc: FEL05DL 25ML 2X
Method: C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title: CLP SOM01.2-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard---| |#	RT	Resp	Conc|
Ethylene oxide	1.14	131.6	ug/L	14481100	1	5.43	550090	5.0
.alpha.,.alpha.-D...	6.86	3.7	ug/L	409389	1	5.43	550090	5.0

000000337

6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: F-5973 Calibration Date(s): 08/11/2010 08/11/2010

Heated Purge: (Y/N) N Calibration Time(s): 1807 2105

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

LAB FILE ID: _____ RRF0.5= F3945.D RRF1= F3951.D

RRF5= F3949.D RRF10= F3948.D RRF20= F3947.D

COMPOUND	RRF0.5	RRF1	RRF5	RRF10	RRF20	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.119	0.138	0.176	0.178	0.178	0.158	17.3
Chloromethane	0.304	0.299	0.318	0.307	0.292	0.304	3.2
Vinyl chloride	0.289	0.322	0.366	0.373	0.369	0.344	10.7
Bromomethane	0.233	0.316	0.340	0.268	0.128	0.257	32.4
Chloroethane	0.203	0.220	0.270	0.267	0.200	0.232	14.7
Trichlorofluoromethane	0.370	0.365	0.534	0.578	0.589	0.487	22.9
1,1-Dichloroethene	0.165	0.178	0.269	0.268	0.291	0.234	24.7
1,1,2-Trichloro-1,2,2-trifluoroethane	0.157	0.173	0.216	0.228	0.245	0.204	18.3
Acetone	0.048	0.054	0.058	0.051	0.053	0.053	6.7
Carbon disulfide	0.732	0.746	0.872	0.873	0.933	0.831	10.6
Methyl acetate	0.110	0.132	0.155	0.136	0.142	0.135	12.0
Methylene chloride	0.228	0.266	0.297	0.296	0.295	0.276	10.8
trans-1,2-Dichloroethene	0.243	0.257	0.319	0.324	0.340	0.297	14.6
Methyl tert-butyl ether	0.413	0.488	0.597	0.592	0.600	0.538	15.7
1,1-Dichloroethane	0.420	0.459	0.534	0.543	0.552	0.502	11.7
cis-1,2-Dichloroethene	0.269	0.289	0.349	0.356	0.363	0.325	13.2
2-Butanone	0.068	0.090	0.100	0.088	0.092	0.088	13.8
Bromochloromethane	0.116	0.135	0.158	0.156	0.155	0.144	12.6
Chloroform	0.457	0.498	0.565	0.571	0.574	0.533	9.9
1,1,1-Trichloroethane	0.402	0.419	0.483	0.482	0.497	0.457	9.4
Cyclohexane	0.382	0.371	0.508	0.505	0.530	0.459	16.6
Carbon tetrachloride	0.343	0.376	0.434	0.436	0.464	0.411	12.1
Benzene	1.218	1.319	1.490	1.501	1.503	1.406	9.3
1,2-Dichloroethane	0.315	0.357	0.412	0.401	0.399	0.377	10.6
Trichloroethene	0.317	0.333	0.370	0.366	0.379	0.353	7.5
Methylcyclohexane	0.523	0.525	0.716	0.732	0.762	0.651	18.1

Report 1,4-Dioxane for Low-Medium VOA analysis only

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Instrument ID: F-5973 Calibration Date(s): 08/11/2010 08/11/2010

Heated Purge: (Y/N) N Calibration Time(s): 1807 2105

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

LAB FILE ID: RRF0.5= F3945.D RRF1= F3951.D

RRF5= F3949.D RRF10= F3948.D RRF20= F3947.D

COMPOUND	RRF0.5	RRF1	RRF5	RRF10	RRF20	$\overline{RRF}$	% RSD
1,2-Dichloropropane	0.266	0.301	0.335	0.337	0.328	0.314	9.6
Bromodichloromethane	0.345	0.394	0.439	0.445	0.433	0.411	10.2
cis-1,3-Dichloropropene	0.392	0.446	0.549	0.561	0.557	0.501	15.4
4-Methyl-2-pentanone	0.164	0.221	0.254	0.226	0.227	0.218	15.2
Toluene	1.313	1.414	1.686	1.719	1.731	1.573	12.4
trans-1,3-Dichloropropene	0.310	0.373	0.474	0.484	0.491	0.426	18.9
1,1,2-Trichloroethane	0.193	0.247	0.270	0.256	0.257	0.245	12.4
Tetrachloroethene	0.289	0.292	0.345	0.349	0.367	0.328	10.9
2-Hexanone	0.106	0.150	0.179	0.159	0.163	0.151	18.1
Dibromochloromethane	0.221	0.283	0.319	0.316	0.319	0.292	14.5
1,2-Dibromoethane	0.180	0.224	0.263	0.249	0.255	0.234	14.4
Chlorobenzene	0.835	0.929	1.066	1.069	1.073	0.995	10.8
Ethylbenzene	1.398	1.584	1.881	1.904	1.962	1.746	13.9
o-Xylene	0.474	0.547	0.690	0.711	0.742	0.633	18.3
m,p-Xylene	0.541	0.598	0.733	0.751	0.784	0.682	15.5
Styrene	0.731	0.838	1.121	1.179	1.235	1.021	21.8
Bromoform	0.244	0.324	0.347	0.330	0.332	0.315	12.9
Isopropylbenzene	1.238	1.369	1.810	1.882	1.994	1.659	20.1
1,1,2,2-Tetrachloroethane	0.222	0.292	0.322	0.296	0.304	0.287	13.2
1,3-Dichlorobenzene	1.169	1.310	1.512	1.505	1.486	1.396	10.9
1,4-Dichlorobenzene	1.300	1.405	1.582	1.557	1.513	1.471	8.0
1,2-Dichlorobenzene	1.064	1.201	1.383	1.367	1.336	1.270	10.7
1,2-Dibromo-3-chloropropane	0.044	0.075	0.084	0.075	0.077	0.071	21.6
1,2,4-Trichlorobenzene	0.648	0.740	0.900	0.949	0.925	0.832	15.8
1,2,3-Trichlorobenzene	0.558	0.651	0.790	0.807	0.776	0.716	15.1

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: F-5973 Calibration Date(s): 08/11/2010 08/11/2010

Heated Purge: (Y/N) N Calibration Time(s): 1807 2105

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

LAB FILE ID: _____ RRF0.5= F3945.D RRF1= F3951.D

RRF5= F3949.D RRF10= F3948.D RRF20= F3947.D

COMPOUND	RRF0.5	RRF1	RRF5	RRF10	RRF20	$\overline{RRF}$	% RSD
Vinyl chloride-d3	0.214	0.250	0.282	0.258	0.250	0.251	9.7
Chloroethane-d5	0.194	0.240	0.287	0.268	0.154	0.228	23.7
1,1-Dichloroethene-d2	0.350	0.396	0.495	0.473	0.507	0.444	15.3
2-Butanone-d5	0.016	0.023	0.026	0.023	0.025	0.023	17.5
Chloroform-d	0.401	0.471	0.548	0.532	0.528	0.496	12.2
1,2-Dichloroethane-d4	0.234	0.261	0.293	0.298	0.297	0.277	10.3
Benzene-d6	0.962	1.120	1.290	1.240	1.230	1.168	11.2
1,2-Dichloropropane-d6	0.343	0.373	0.400	0.390	0.384	0.378	5.8
Toluene-d8	0.902	1.060	1.263	1.226	1.229	1.136	13.5
trans-1,3-Dichloropropene-d4	0.249	0.305	0.375	0.382	0.389	0.340	17.9
2-Hexanone-d5	0.012	0.019	0.024	0.022	0.024	0.020	25.3
1,1,2,2-Tetrachloroethane-d2	0.210	0.263	0.283	0.266	0.273	0.259	11.1
1,2-Dichlorobenzene-d4	0.632	0.689	0.785	0.769	0.750	0.725	8.8

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Response Factor Report F-5973

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:14:57 2010
Response via : Initial Calibration

8/12/10

8/17/10

Calibration Files
1 =F3945.D 2 =F3951.D 3 =F3949.D
4 =F3948.D 5 =F3947.D

		Compound	1	2	3	4	5	Avg	%RSD
1)	I	1,4-Difluorobenzene	----------ISTD----------						
2)	CP	Dichlorodifluoromet	0.11936	0.13833	0.17553	0.17841	0.17766	0.15786	17.320
3)	CP	Chloromethane	0.30408	0.29853	0.31770	0.30717	0.29200	0.30389	3.172
4)	SCP	Vinyl Chloride-d3	0.21442	0.25009	0.28193	0.25848	0.24977	0.25094	9.665
5)	CP	Vinyl Chloride	0.28909	0.32235	0.36621	0.37327	0.36916	0.34402	10.746
6)	CP	Bromomethane	0.23349	0.31616	0.34020	0.26839	0.12762	0.25717	32.442#
7)	SCP	Chloroethane-d5	0.19431	0.23955	0.28674	0.26750	0.15415	0.22845	23.707
8)	CP	Chloroethane	0.20302	0.21973	0.26966	0.26681	0.20007	0.23186	14.690
9)	CP	Trichlorofluorometh	0.36955	0.36463	0.53390	0.57776	0.58865	0.48690	22.856
10)	SCP	1,1-Dichloroethene-	0.35043	0.39561	0.49537	0.47348	0.50699	0.44438	15.334
11)	CP	1,1-Dichloroethene	0.16488	0.17845	0.26869	0.26756	0.29057	0.23403	24.726
12)	CP	1,1,2-Trichloro-1,2	0.15684	0.17294	0.21621	0.22840	0.24452	0.20378	18.321
13)	CP	Acetone	0.04850	0.05438	0.05788	0.05108	0.05285	0.05294	6.657
14)	CP	Carbon Disulfide	0.73166	0.74559	0.87186	0.87295	0.93348	0.83111	10.609
15)	CP	Methyl Acetate	0.11038	0.13220	0.15481	0.13648	0.14207	0.13519	12.033
16)	CP	Methylene Chloride	0.22798	0.26635	0.29666	0.29614	0.29489	0.27640	10.835
17)	CP	trans-1,2-Dichloroe	0.24308	0.25742	0.31871	0.32412	0.33960	0.29659	14.595
18)	CP	Methyl tert-Butyl E	0.41308	0.48755	0.59656	0.59201	0.60037	0.53792	15.660
19)	CP	1,1-Dichloroethane	0.41970	0.45890	0.53422	0.54280	0.55249	0.50162	11.744
20)	SCP	2-Butanone-d5	0.01601	0.02319	0.02636	0.02347	0.02483	0.02278	17.491
21)	CP	cis-1,2-Dichloroeth	0.26865	0.28918	0.34854	0.35599	0.36250	0.32497	13.217
22)	CP	2-Butanone	0.06772	0.09008	0.10047	0.08821	0.09158	0.08761	13.785
23)	CP	Bromochloromethane	0.11600	0.13549	0.15799	0.15628	0.15514	0.14418	12.633
24)	SCP	Chloroform-d	0.40085	0.47133	0.54786	0.53155	0.52845	0.49601	12.209
25)	CP	Chloroform	0.45706	0.49827	0.56499	0.57085	0.57399	0.53303	9.887
26)	SCP	1,2-Dichloroethane-	0.23371	0.26094	0.29330	0.29818	0.29664	0.27656	10.277
27)	CP	1,2-Dichloroethane	0.31549	0.35748	0.41179	0.40079	0.39903	0.37691	10.634
28)	I	Chlorobenzene-d5	----------ISTD----------						
29)	CP	1,1,1-Trichloroetha	0.40226	0.41904	0.48325	0.48247	0.49722	0.45685	9.410
30)	CP	Cyclohexane	0.38187	0.37075	0.50791	0.50498	0.53018	0.45914	16.626
31)	CP	Carbon Tetrachlorid	0.34259	0.37636	0.43402	0.43568	0.46414	0.41056	12.082
32)	SCP	Benzene-d6	0.96180	1.11994	1.29031	1.23981	1.23039	1.16845	11.227
33)	CP	Benzene	1.21821	1.31904	1.49017	1.50108	1.50285	1.40627	9.294
34)	CP	Trichloroethene	0.31740	0.33304	0.36959	0.36593	0.37903	0.35300	7.475
35)	SCP	1,2-Dichloropropane	0.34285	0.37279	0.40020	0.38962	0.38391	0.37787	5.806
36)	CP	Methylcyclohexane	0.52254	0.52490	0.71612	0.73181	0.76211	0.65150	18.083
37)	CP	1,2-Dichloropropane	0.26638	0.30128	0.33543	0.33685	0.32760	0.31351	9.561
38)	CP	Bromodichloromethan	0.34544	0.39367	0.43926	0.44504	0.43279	0.41124	10.195
39)	CP	cis-1,3-Dichloropro	0.39209	0.44575	0.54876	0.56056	0.55715	0.50086	15.431
40)	CP	4-Methyl-2-Pentanon	0.16370	0.22057	0.25421	0.22596	0.22739	0.21837	15.218
41)	SCP	Toluene-d8	0.90226	1.06014	1.26330	1.22647	1.22909	1.13625	13.452
42)	CP	Toluene	1.31349	1.41401	1.68599	1.71871	1.73064	1.57257	12.374
43)	SCP	trans-1,3-Dichlorop	0.24883	0.30496	0.37477	0.38185	0.38851	0.33979	17.934
44)	CP	trans-1,3-Dichlorop	0.31008	0.37287	0.47356	0.48357	0.49102	0.42622	18.939
45)	CP	1,1,2-Trichloroetha	0.19270	0.24720	0.27045	0.25637	0.25729	0.24480	12.370
46)	CP	Tetrachloroethene	0.28874	0.29184	0.34500	0.34855	0.36729	0.32828	10.880
47)	SCP	2-Hexanone-d5	0.01159	0.01910	0.02372	0.02159	0.02378	0.01996	25.323
48)	CP	2-Hexanone	0.10629	0.14983	0.17948	0.15860	0.16317	0.15147	18.127
49)	CP	Dibromochloromethan	0.22124	0.28307	0.31925	0.31586	0.31948	0.29178	14.494
50)	CP	1,2-Dibromoethane	0.17982	0.22374	0.26277	0.24912	0.25466	0.23402	14.371
51)	CP	Chlorobenzene	0.83527	0.92918	1.06579	1.06894	1.07344	0.99452	10.839
52)	CP	Ethylbenzene	1.39797	1.58406	1.88086	1.90411	1.96168	1.74573	13.945
53)	CP	m,p-Xylene	0.54142	0.59849	0.73344	0.75123	0.78350	0.68162	15.471
54)	CP	o-Xylene	0.47430	0.54679	0.68970	0.71077	0.74155	0.63262	18.309
55)	CP	Styrene	0.73077	0.83785	1.12079	1.17896	1.23507	1.02069	21.826
56)	CP	Isopropylbenzene	1.23816	1.36925	1.81013	1.88190	1.99373	1.65863	20.124
57)	SCP	1,1,2,2-Tetrachloro	0.20981	0.26317	0.28324	0.26614	0.27349	0.25917	11.057

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58)	CP	1,1,2,2-Tetrachloro	0.22244	0.29231	0.32178	0.29637	0.30437	0.28745	13.240
59)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
60)	CP	Bromoform	0.24429	0.32359	0.34674	0.33004	0.33196	0.31533	12.877
61)	CP	1,3-Dichlorobenzene	1.16912	1.30953	1.51153	1.50476	1.48570	1.39613	10.873
62)	CP	1,4-Dichlorobenzene	1.29965	1.40526	1.58161	1.55749	1.51347	1.47150	7.983
63)	SCP	1,2-Dichlorobenzene	0.63204	0.68918	0.78539	0.76932	0.75000	0.72518	8.765
64)	CP	1,2-Dichlorobenzene	1.06368	1.20124	1.38333	1.36686	1.33578	1.27017	10.697
65)	CP	1,2-Dibromo-3-chlor	0.04441	0.07480	0.08401	0.07542	0.07684	0.07110	21.616
66)	CP	1,2,4-Trichlorobenz	0.64778	0.73953	0.89952	0.94850	0.92498	0.83206	15.815
67)	CP	1,2,3-Trichlorobenz	0.55807	0.65093	0.78973	0.80714	0.77625	0.71642	15.057

(#) = Out of Range

SOTF3949.M Thu Aug 12 10:52:55 2010

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3945.D
Acq On : 08/11/2010 1807
Sample : 0H12003-CAL1
Misc : VSTD0.58K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:09:55 2010

Vial: 2
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3949.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:03:01 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/12/10
8/17/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	181464	5.0000	ug/L	0.00
28) Chlorobenzene-d5	10.70	117	158380	5.0000	ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	78144	5.0000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.42	65	3891	0.4272	ug/L	0.01
Spiked Amount 5.0000	Range 65 - 131		Recovery = 8.54%#			
7) Chloroethane-d5	2.82	69	3526m	0.4276	ug/L	0.03
Spiked Amount 5.0000	Range 71 - 131		Recovery = 8.55%#			
10) 1,1-Dichloroethene-d2	3.56	63	6359	0.3943	ug/L	0.02
Spiked Amount 5.0000	Range 55 - 104		Recovery = 7.89%#			
20) 2-Butanone-d5	5.23	46	2906	3.5156	ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 7.03%#			
24) Chloroform-d	5.59	84	7274	0.4041	ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 8.08%#			
26) 1,2-Dichloroethane-d4	6.19	65	4241	0.4225	ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 8.45%#			
32) Benzene-d6	6.20	84	15233	0.4116	ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 8.23%#			
35) 1,2-Dichloropropane-d6	7.17	67	5430	0.4537	ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 9.07%#			
41) Toluene-d8	8.57	98	14290	0.3970	ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 7.94%#			
43) trans-1,3-Dichloropropene-	8.93	79	3941	0.3662	ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 7.32%#			
47) 2-Hexanone-d5	9.53	63	1836	2.9045	ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 5.81%#			
57) 1,1,2,2-Tetrachloroethane-	12.38	84	3323	0.4048	ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 8.10%#			
63) 1,2-Dichlorobenzene-d4	13.78	152	4939	0.4358	ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 8.72%#			

8/12/10

ORIGINAL COPY
Case: 40332 SDG: C0496
Episode: 0012600 Int./Date: 8/10 08/17/10

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.13	85	2166m	0.3789 ug/L	
3) Chloromethane	2.36	50	5518	0.5003 ug/L	89
5) Vinyl Chloride	2.42	62	5246	0.4202 ug/L	99
6) Bromomethane	2.77	94	4237m	0.4538 ug/L	
8) Chloroethane	2.86	64	3684	0.4378 ug/L	91
9) Trichlorofluoromethane	3.06	101	6706	0.3795 ug/L	97
11) 1,1-Dichloroethene	3.56	96	2992	0.3523 ug/L #	88
12) 1,1,2-Trichloro-1,2,2-trif	3.55	101	2846	0.3848 ug/L	83
13) Acetone	3.62	43	8801	4.5806 ug/L	95
14) Carbon Disulfide	3.80	76	13277	0.4402 ug/L	90
15) Methyl Acetate	3.90	43	2003	0.4082 ug/L	96
16) Methylene Chloride	4.02	84	4137	0.4124 ug/L #	76
17) trans-1,2-Dichloroethene	4.28	96	4411	0.4098 ug/L	89
18) Methyl tert-Butyl Ether	4.26	73	7496	0.3840 ug/L	92
19) 1,1-Dichloroethane	4.69	63	7616	0.4183 ug/L	94
21) cis-1,2-Dichloroethene	5.28	96	4875	0.4133 ug/L	90
22) 2-Butanone	5.29	43	12288	3.8646 ug/L	92
23) Bromochloromethane	5.54	128	2105	0.4023 ug/L #	82

8/12/10

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

000000343

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3945.D Vial: 2
Acq On : 08/11/2010 1807 Operator: AC
Sample : 0H12003-CAL1 Inst : F-5973
Misc : VSTD0.58K 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:09:55 2010 Quant Results File: SOTF3949.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:03:01 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
25)	Chloroform	5.62	83	8294	0.4287	ug/L		94
27)	1,2-Dichloroethane	6.27	62	5725	0.4185	ug/L		86
29)	1,1,1-Trichloroethane	5.83	97	6371	0.4403	ug/L		96
30)	Cyclohexane	5.88	56	6048	0.4159	ug/L		91
31)	Carbon Tetrachloride	6.01	117	5426	0.4172	ug/L		98
33)	Benzene	6.24	78	19294	0.4331	ug/L		100
34)	Trichloroethene	6.99	95	5027	0.4496	ug/L		96
36)	Methylcyclohexane	7.22	83	8276	0.4010	ug/L	#	82
37)	1,2-Dichloropropane	7.28	63	4219	0.4248	ug/L	#	88
38)	Bromodichloromethane	7.61	83	5471	0.4200	ug/L		93
39)	cis-1,3-Dichloropropene	8.20	75	6210	0.3914	ug/L		96
40)	4-Methyl-2-Pentanone	8.41	43	25927	3.7483	ug/L		99
42)	Toluene	8.66	91	20803	0.4176	ug/L		97
44)	trans-1,3-Dichloropropene	8.97	75	4911	0.3638	ug/L		96
45)	1,1,2-Trichloroethane	9.24	97	3052	0.3936	ug/L		98
46)	Tetrachloroethene	9.44	164	4573	0.4398	ug/L		99
48)	2-Hexanone	9.60	43	16835	3.5087	ug/L		97
49)	Dibromochloromethane	9.83	129	3504	0.3791	ug/L		100
50)	1,2-Dibromoethane	10.01	107	2848	0.3842	ug/L	#	97
51)	Chlorobenzene	10.75	112	13229	0.4199	ug/L		90
52)	Ethylbenzene	10.90	91	22141	0.4004	ug/L		100
53)	m,p-Xylene	11.07	106	8575	0.3972	ug/L		97
54)	o-Xylene	11.61	106	7512	0.3749	ug/L		92
55)	Styrene	11.63	104	11574	0.3580	ug/L		94
56)	Isopropylbenzene	12.05	105	19610	0.3732	ug/L		98
58)	1,1,2,2-Tetrachloroethane	12.41	83	3523	0.3869	ug/L		97
60)	Bromoform	11.86	173	1909	0.3874	ug/L	#	90
61)	1,3-Dichlorobenzene	13.37	146	9136	0.4187	ug/L		98
62)	1,4-Dichlorobenzene	13.45	146	10156	0.4416	ug/L		93
64)	1,2-Dichlorobenzene	13.79	146	8312	0.4187	ug/L		99
65)	1,2-Dibromo-3-chloropropan	14.47	75	347	0.3123	ug/L		87
66)	1,2,4-Trichlorobenzene	15.21	180	5062	0.3893	ug/L		98
67)	1,2,3-Trichlorobenzene	15.70	180	4361	0.3895	ug/L		98

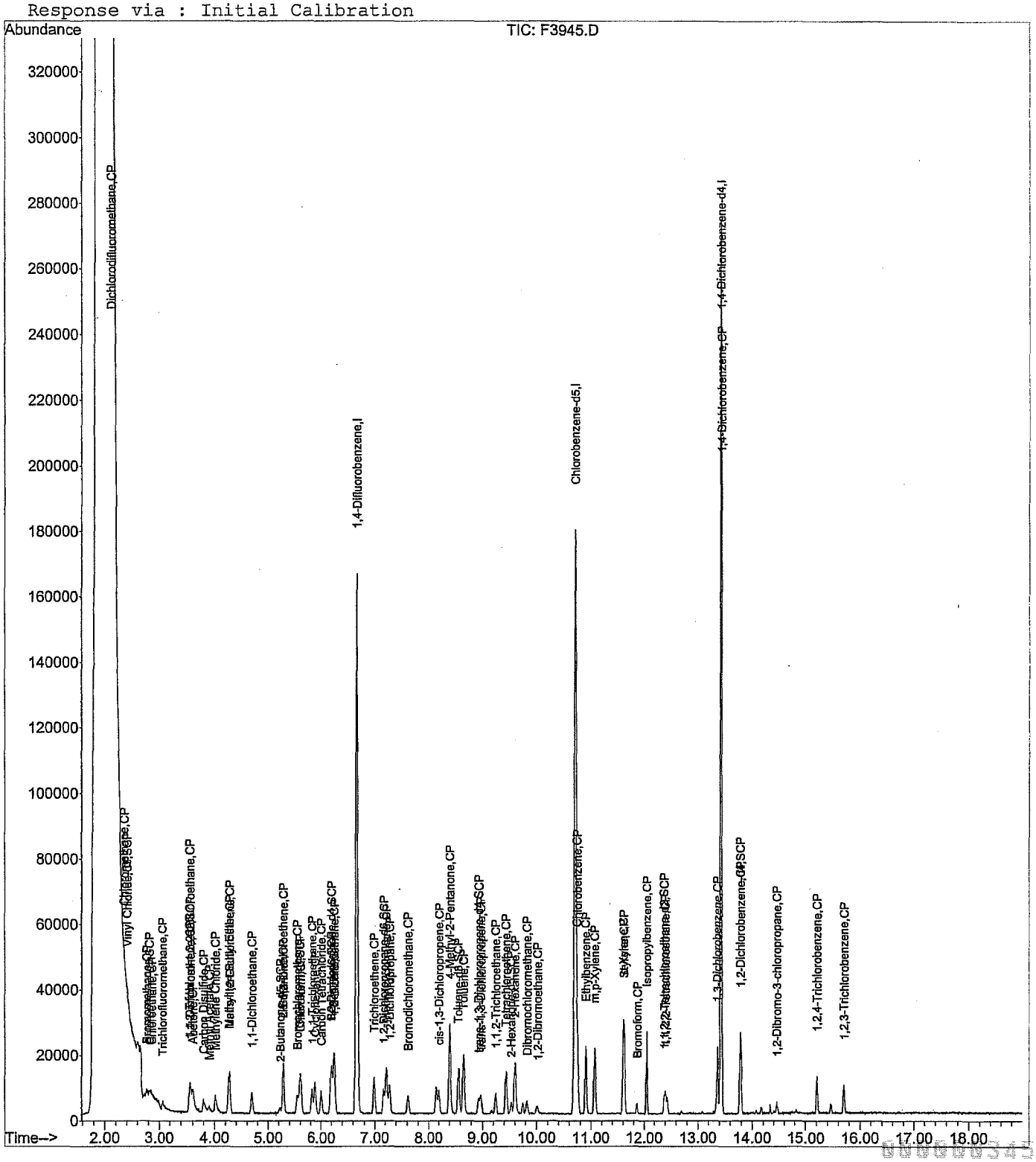
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3945.D
Acq On : 08/11/2010 1807
Sample : 0H12003-CAL1
Misc : VSTD0.58K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:10 2010

Vial: 2
Operator: AC
Inst : F-5973
Multiplr: 1.00
Quant Results File: SOTF3949.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:14:57 2010
Response via : Initial Calibration



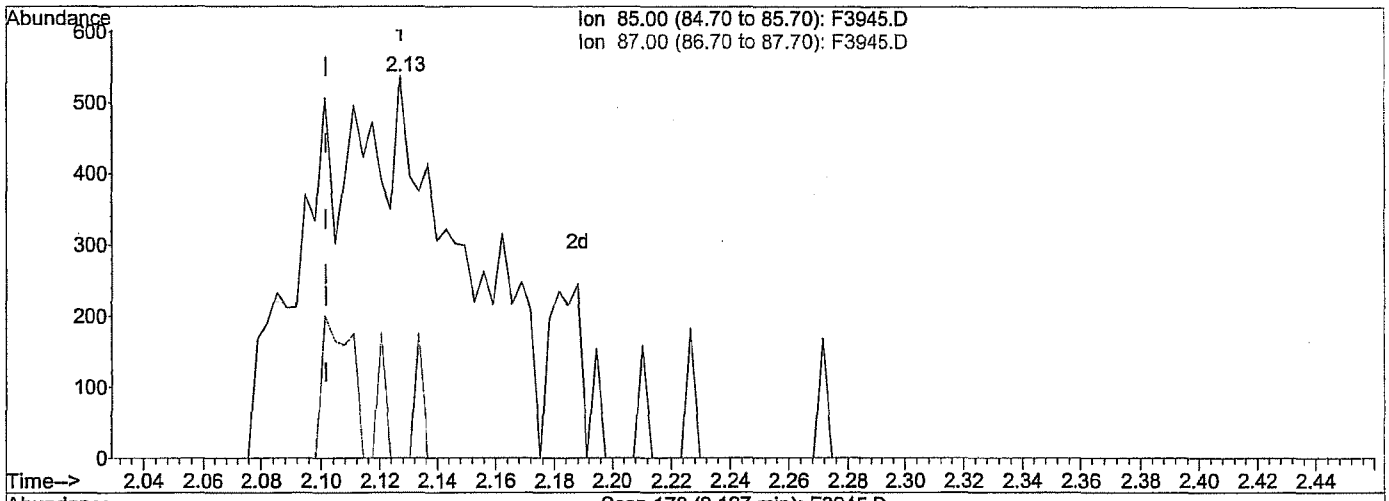
Quantitation Report (Qedit)

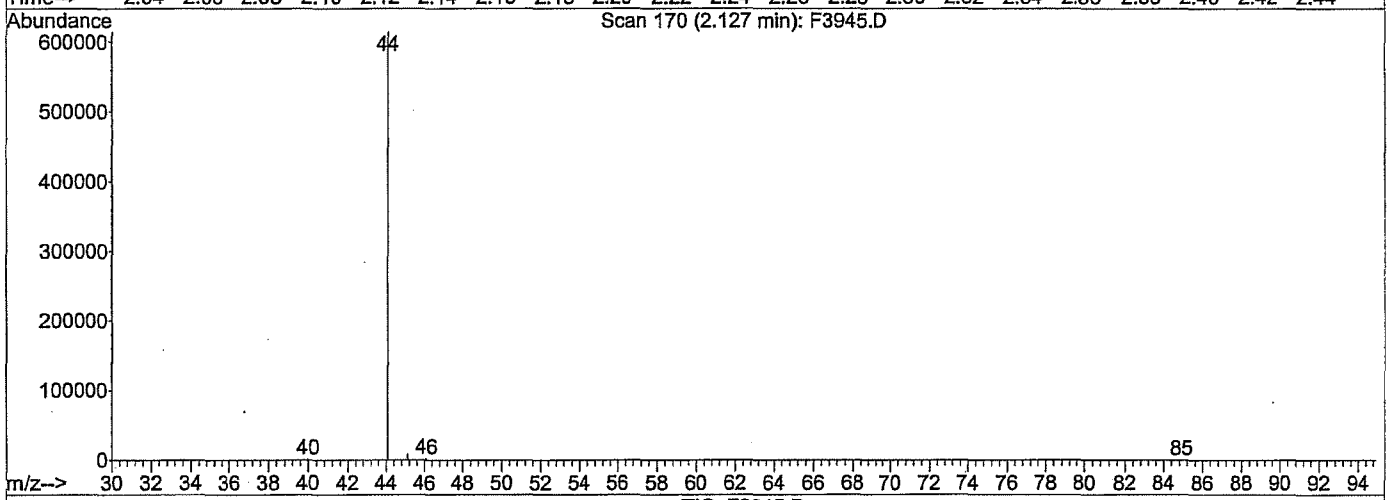
Data File : C:\MSDCHEM\1\DATA\F3945.D
Acq On : 08/11/2010 1807
Sample : 0H12003-CAL1
Misc : VSTD0.58K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:09 2010

Vial: 2
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:03:01 2010
Response via : Multiple Level Calibration





TIC: F3945.D

(2) Dichlorodifluoromethane (CP)

2.13min (+0.025) 0.33ug/L

response 1866

Ion	Exp%	Act%
85.00	100	100
87.00	31.20	7.23#
0.00	0.00	0.00
0.00	0.00	0.00

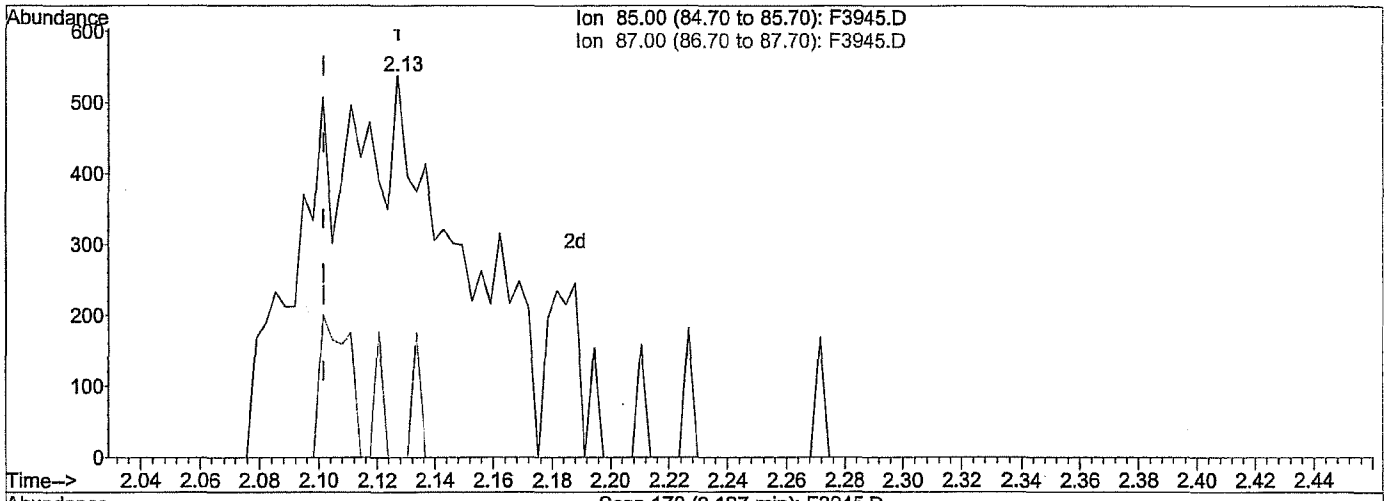
F3945.D SOTF3949.M Thu Aug 12 10:10:08 2010

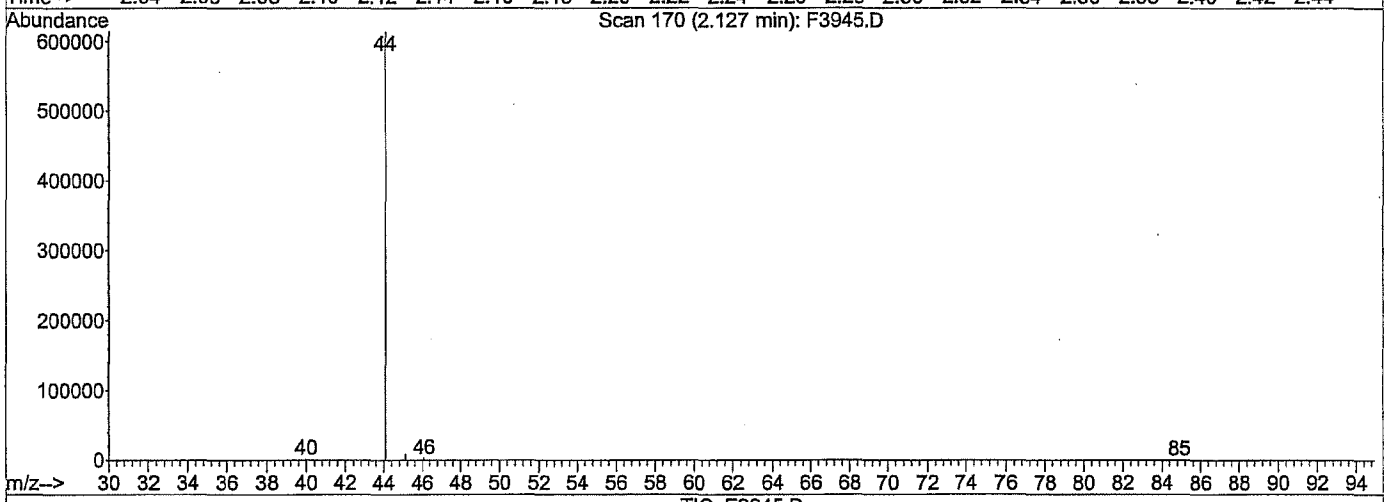
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\F3945.D
Acq On : 08/11/2010 1807
Sample : 0H12003-CAL1
Misc : VSTD0.58K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:10 2010

Vial: 2
Operator: AC
Inst : F-5973
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:03:01 2010
Response via : Multiple Level Calibration





TIC: F3945.D

(2) Dichlorodifluoromethane (CP)

2.13min (+0.025) 0.38ug/L m

response 2166

Ion	Exp%	Act%
85.00	100	100
87.00	31.20	6.23#
0.00	0.00	0.00
0.00	0.00	0.00

8/12/10

8/17/10

000000347

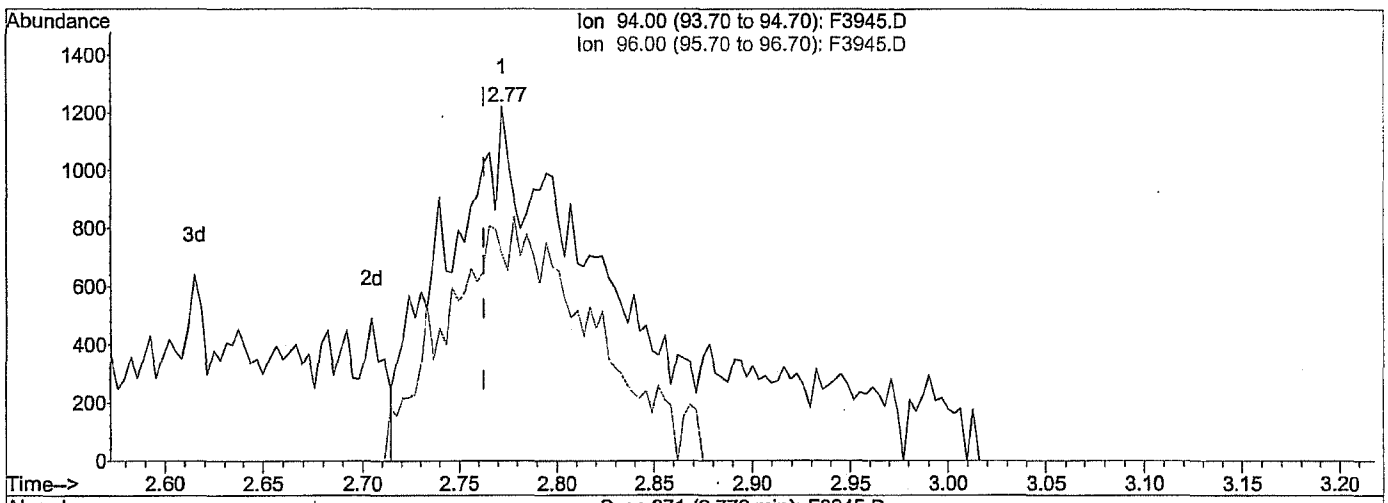
F3945.D SOTF3949.M Thu Aug 12 10:10:14 2010

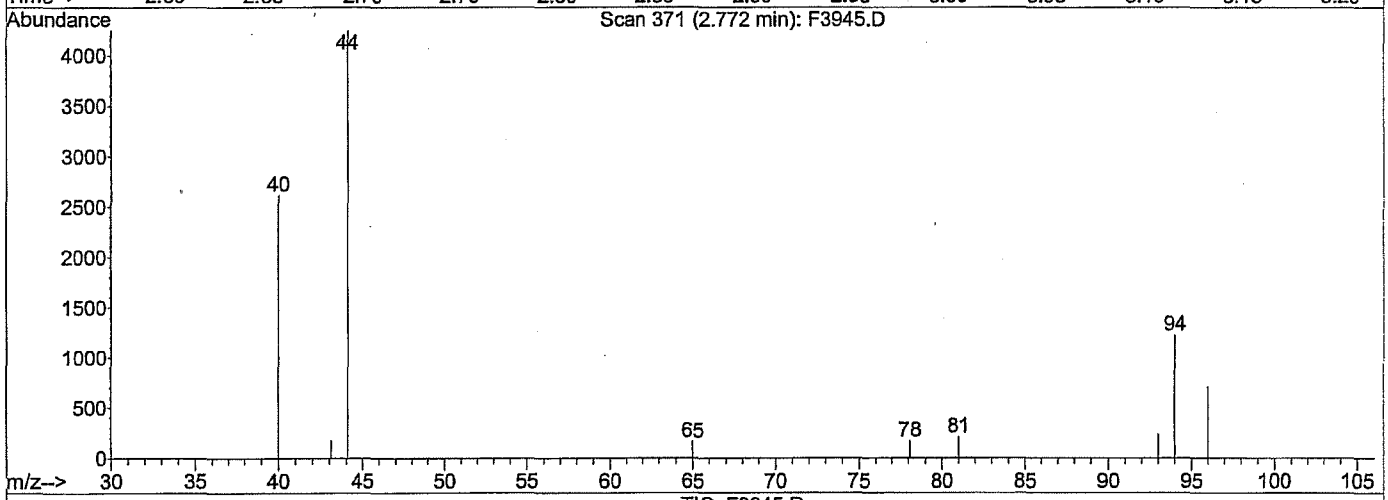
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\F3945.D
Acq On : 08/11/2010 1807
Sample : 0H12003-CAL1
Misc : VSTD0.58K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:10 2010

Vial: 2
Operator: AC
Inst : F-5973
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:03:01 2010
Response via : Multiple Level Calibration





TIC: F3945.D

(6) Bromomethane (CP)

2.77min (+0.009) 0.86ug/L

response 8062

Ion	Exp%	Act%
94.00	100	100
96.00	86.80	51.65#
0.00	0.00	0.00
0.00	0.00	0.00

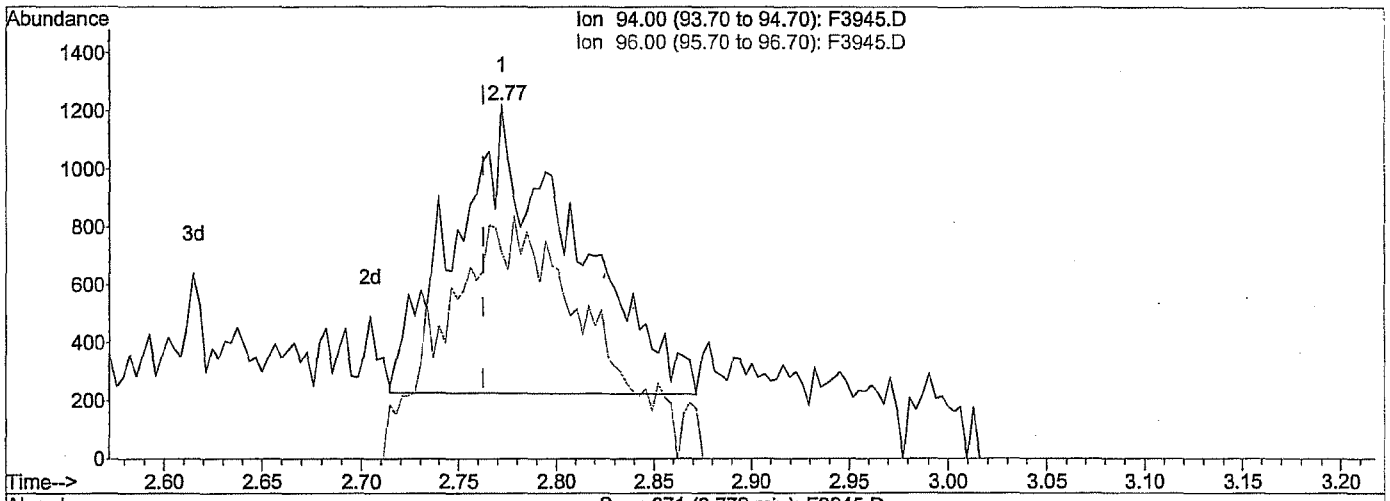
000000348

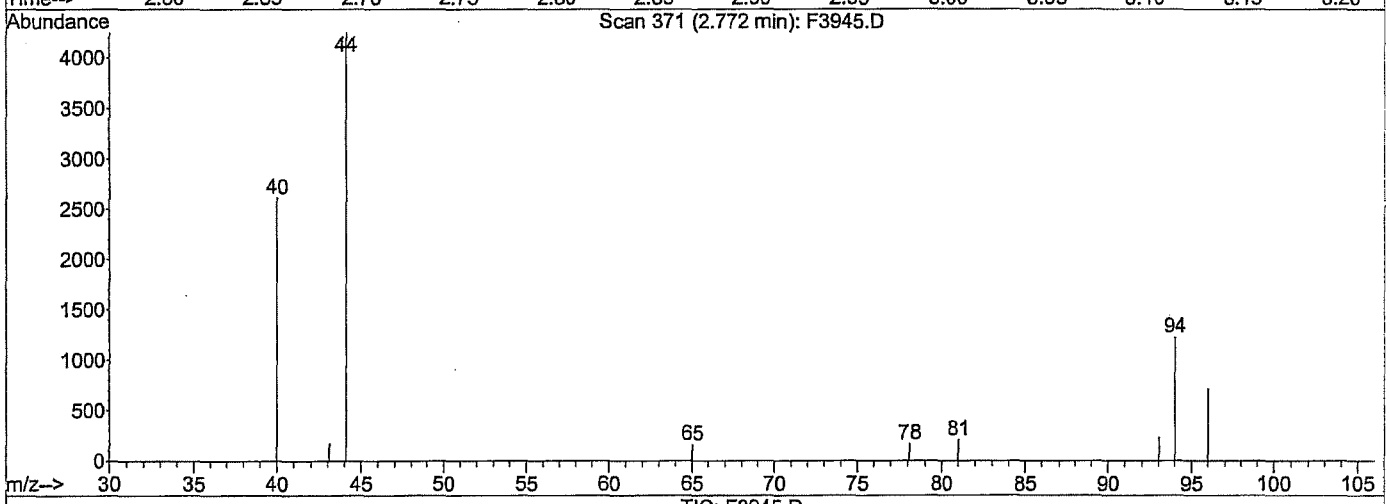
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\F3945.D
Acq On : 08/11/2010 1807
Sample : 0H12003-CAL1
Misc : VSTD0.58K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:10 2010

Vial: 2
Operator: AC
Inst : F-5973
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:03:01 2010
Response via : Multiple Level Calibration





TIC: F3945.D

(6) Bromomethane (CP)

2.77min (+0.009) 0.45ug/L m

response 4237

Ion	Exp%	Act%
94.00	100	100
96.00	86.80	98.28
0.00	0.00	0.00
0.00	0.00	0.00

8/17/10

8/12/10

000000349

F3945.D SOTF3949.M Thu Aug 12 10:10:25 2010

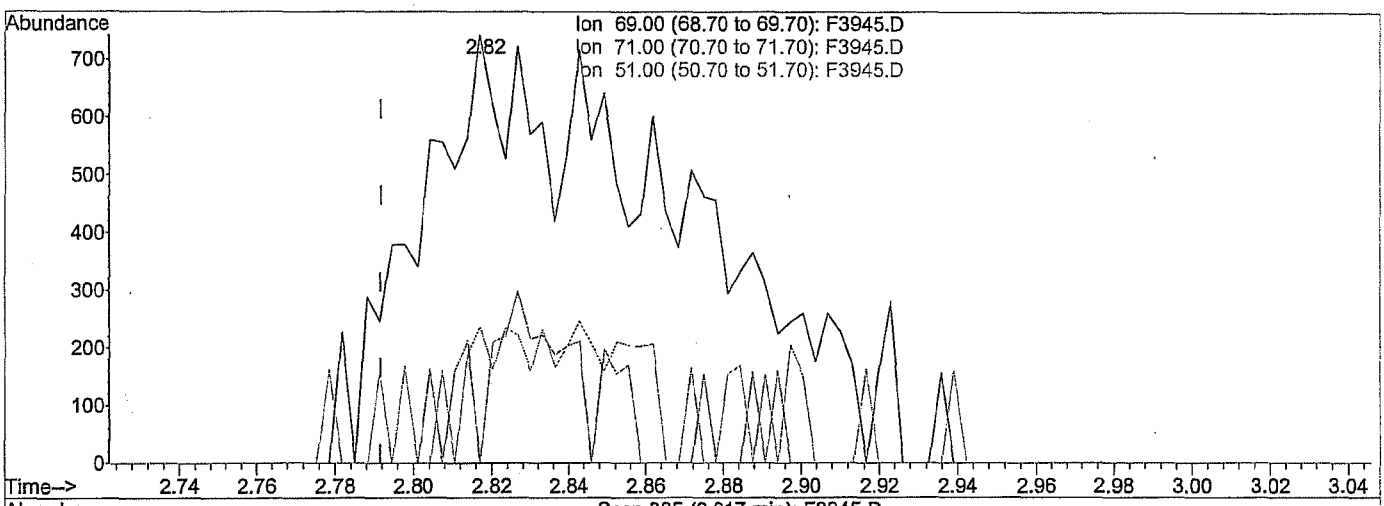
Quantitation Report (Qedit)

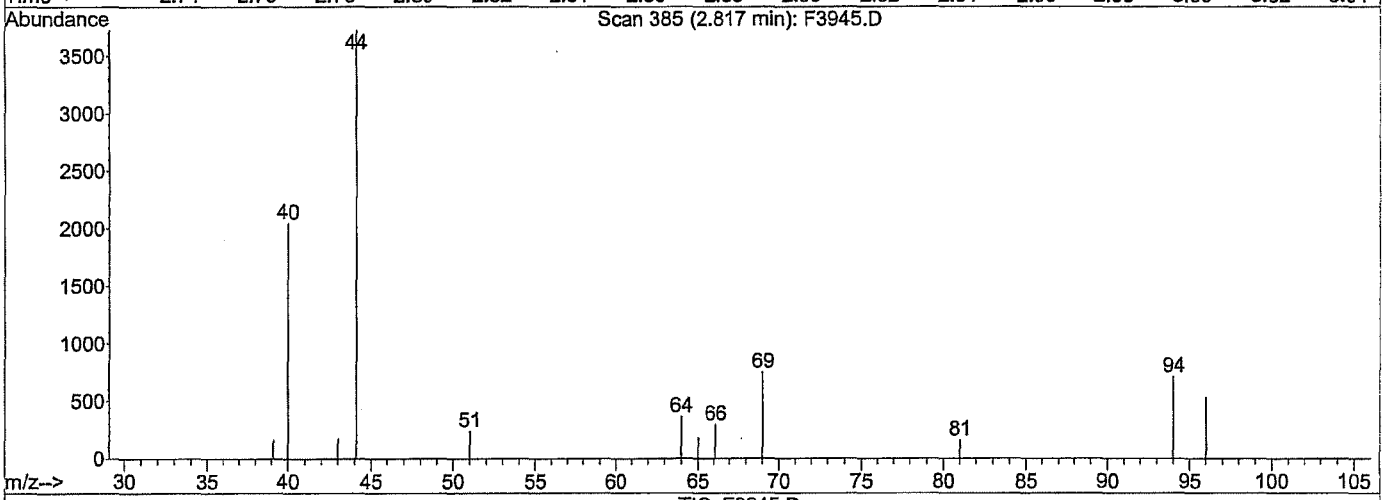
Data File : C:\MSDCHEM\1\DATA\F3945.D
Acq On : 08/11/2010 1807
Sample : 0H12003-CAL1
Misc : VSTD0.58K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:10 2010

Vial: 2
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:10:38 2010
Response via : Multiple Level Calibration





TIC: F3945.D

(7) Chloroethane-d5 (SCP)

2.82min (+0.025) 0.41ug/L

response 3412

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	3.02#
51.00	30.40	0.00#
0.00	0.00	0.00

000000350

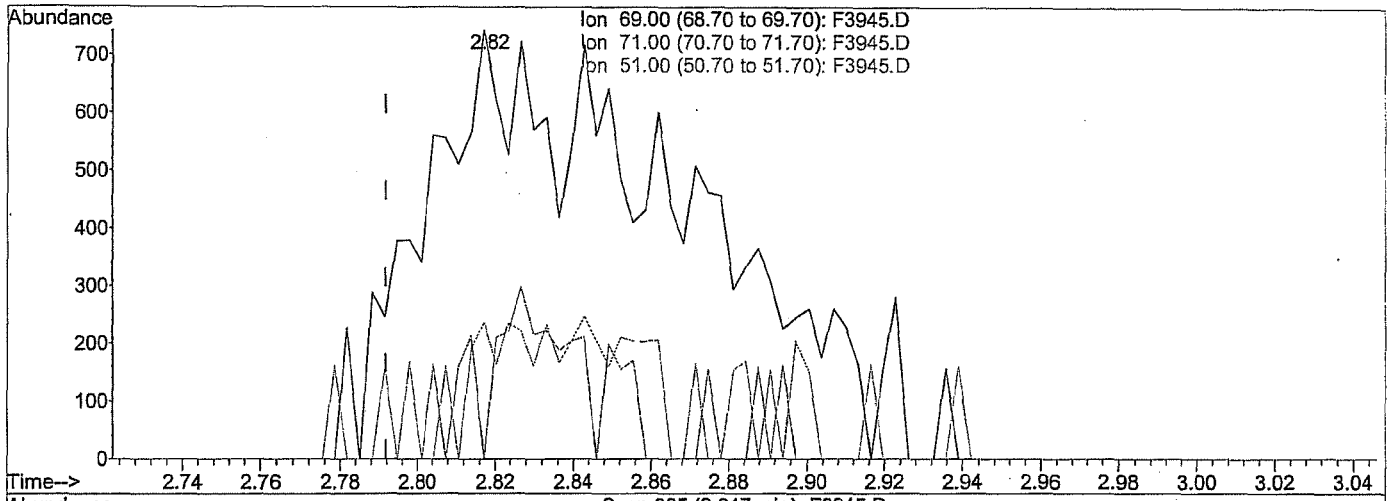
Quantitation Report (Qedit)

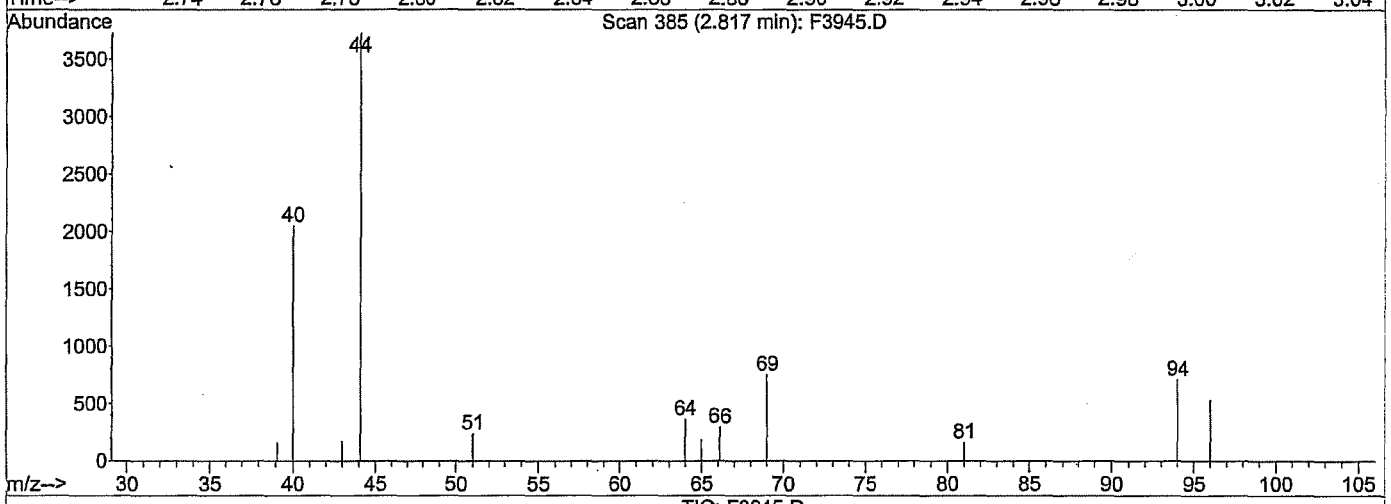
Data File : C:\MSDCHEM\1\DATA\F3945.D
Acq On : 08/11/2010 1807
Sample : 0H12003-CAL1
Misc : VSTD0.58K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:10 2010

Vial: 2
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:10:38 2010
Response via : Multiple Level Calibration





(7) Chloroethane-d5 (SCP)

2.82min (+0.025) 0.43ug/L m

response 3526

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	2.92#
51.00	30.40	0.00#
0.00	0.00	0.00

8/17/10

8/12/10

000000351

F3945.D SOTF3949.M Thu Aug 12 10:11:01 2010

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3947.D
Acq On : 08/11/2010 1907
Sample : 0H12003-CAL5
Misc : VSTD0208K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:11:40 2010

Vial: 4
Operator: AC
Inst : F-5973
Multiplr: 1.00
Quant Results File: SOTF3949.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:11:05 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/12/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	186813	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.70	117	175316	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	105103	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	186638	19.9065 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 398.13%#		
7) Chloroethane-d5	2.77	69	115189	13.4952 ug/L	-0.02
Spiked Amount 5.0000	Range 71 - 131		Recovery = 269.90%#		
10) 1,1-Dichloroethene-d2	3.53	63	378847	22.8179 ug/L	-0.01
Spiked Amount 5.0000	Range 55 - 104		Recovery = 456.36%#		
20) 2-Butanone-d5	5.23	46	185550	218.0489 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 436.10%#		
24) Chloroform-d	5.59	84	394889	21.3083 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 426.17%#		
26) 1,2-Dichloroethane-d4	6.18	65	221667	21.4527 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 429.05%#		
32) Benzene-d6	6.20	84	862827	21.0602 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 421.20%#		
35) 1,2-Dichloropropane-d6	7.17	67	269219	20.3193 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 406.39%#		
41) Toluene-d8	8.57	98	861917	21.6341 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 432.68%#		
43) trans-1,3-Dichloropropene-	8.93	79	272445	22.8677 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 457.35%#		
47) 2-Hexanone-d5	9.53	63	166780	238.3574 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 476.71%#		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	191788	21.1051 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 422.10%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	315307	20.6843 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 413.69%#		

ORIGINAL COPY
Case: 40332 SDG: C0H46
Episode: 0012600 Int./Date: 8/11/10

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.11	85	132759	22.5093 ug/L	97
3) Chloromethane	2.34	50	218195	19.2170 ug/L	99
5) Vinyl Chloride	2.42	62	275855	21.4617 ug/L	98
6) Bromomethane	2.70	94	95367m	9.9251 ug/L	
8) Chloroethane	2.78	64	149503	17.2581 ug/L	92
9) Trichlorofluoromethane	3.02	101	439869	24.1796 ug/L	98
11) 1,1-Dichloroethene	3.54	96	217132	24.8320 ug/L #	72
12) 1,1,2-Trichloro-1,2,2-trif	3.52	101	182716	23.9983 ug/L	89
13) Acetone	3.61	43	394950	199.6716 ug/L	98
14) Carbon Disulfide	3.77	76	697545	22.4635 ug/L	99
15) Methyl Acetate	3.90	43	106159	21.0174 ug/L	88
16) Methylene Chloride	4.01	84	220354	21.3374 ug/L #	77
17) trans-1,2-Dichloroethene	4.26	96	253770	22.9009 ug/L #	88
18) Methyl tert-Butyl Ether	4.26	73	448626	22.3220 ug/L	93
19) 1,1-Dichloroethane	4.68	63	412851	22.0283 ug/L	97
21) cis-1,2-Dichloroethene	5.28	96	270881	22.3097 ug/L	91
22) 2-Butanone	5.29	43	684353	209.0662 ug/L	87
23) Bromochloromethane	5.54	128	115929	21.5202 ug/L #	79

8/12/10

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

000000352

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3947.D
Acq On : 08/11/2010 1907
Sample : 0H12003-CAL5
Misc : VSTD0208K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:11:40 2010

Vial: 4
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3949.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:11:05 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
25)	Chloroform	5.61	83	428912	21.5367	ug/L		97
27)	1,2-Dichloroethane	6.27	62	298174	21.1734	ug/L		99
29)	1,1,1-Trichloroethane	5.82	97	348679	21.7672	ug/L		98
30)	Cyclohexane	5.88	56	371799	23.0947	ug/L	#	72
31)	Carbon Tetrachloride	6.00	117	325483	22.6101	ug/L		98
33)	Benzene	6.24	78	1053893	21.3735	ug/L		100
34)	Trichloroethene	6.98	95	265797	21.4748	ug/L		97
36)	Methylcyclohexane	7.22	83	534437	23.3955	ug/L	#	75
37)	1,2-Dichloropropane	7.28	63	229733	20.8989	ug/L		98
38)	Bromodichloromethane	7.61	83	303497	21.0480	ug/L		97
39)	cis-1,3-Dichloropropene	8.20	75	390710	22.2477	ug/L		98
40)	4-Methyl-2-Pentanone	8.41	43	1594622	208.2649	ug/L		94
42)	Toluene	8.66	91	1213634	22.0103	ug/L		100
44)	trans-1,3-Dichloropropene	8.97	75	344337	23.0408	ug/L		100
45)	1,1,2-Trichloroethane	9.24	97	180427	21.0202	ug/L		99
46)	Tetrachloroethene	9.44	164	257564	22.3762	ug/L		98
48)	2-Hexanone	9.60	43	1144286	215.4486	ug/L		96
49)	Dibromochloromethane	9.83	129	224043	21.8990	ug/L		99
50)	1,2-Dibromoethane	10.01	107	178582	21.7635	ug/L		100
51)	Chlorobenzene	10.75	112	752767	21.5871	ug/L		98
52)	Ethylbenzene	10.90	91	1375653	22.4739	ug/L		100
53)	m,p-Xylene	11.07	106	549443	22.9896	ug/L		100
54)	o-Xylene	11.60	106	520022	23.4437	ug/L		98
55)	Styrene	11.63	104	866108	24.2007	ug/L		96
56)	Isopropylbenzene	12.05	105	1398131	24.0406	ug/L		98
58)	1,1,2,2-Tetrachloroethane	12.41	83	213441	21.1768	ug/L		97
60)	Bromoform	11.86	173	139560	21.0550	ug/L		97
61)	1,3-Dichlorobenzene	13.36	146	624608	21.2832	ug/L		99
62)	1,4-Dichlorobenzene	13.45	146	636279	20.5704	ug/L		99
64)	1,2-Dichlorobenzene	13.79	146	561577	21.0330	ug/L		100
65)	1,2-Dibromo-3-chloropropan	14.48	75	32306	21.6165	ug/L		94
66)	1,2,4-Trichlorobenzene	15.21	180	388871	22.2333	ug/L		99
67)	1,2,3-Trichlorobenzene	15.70	180	326343	21.6700	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

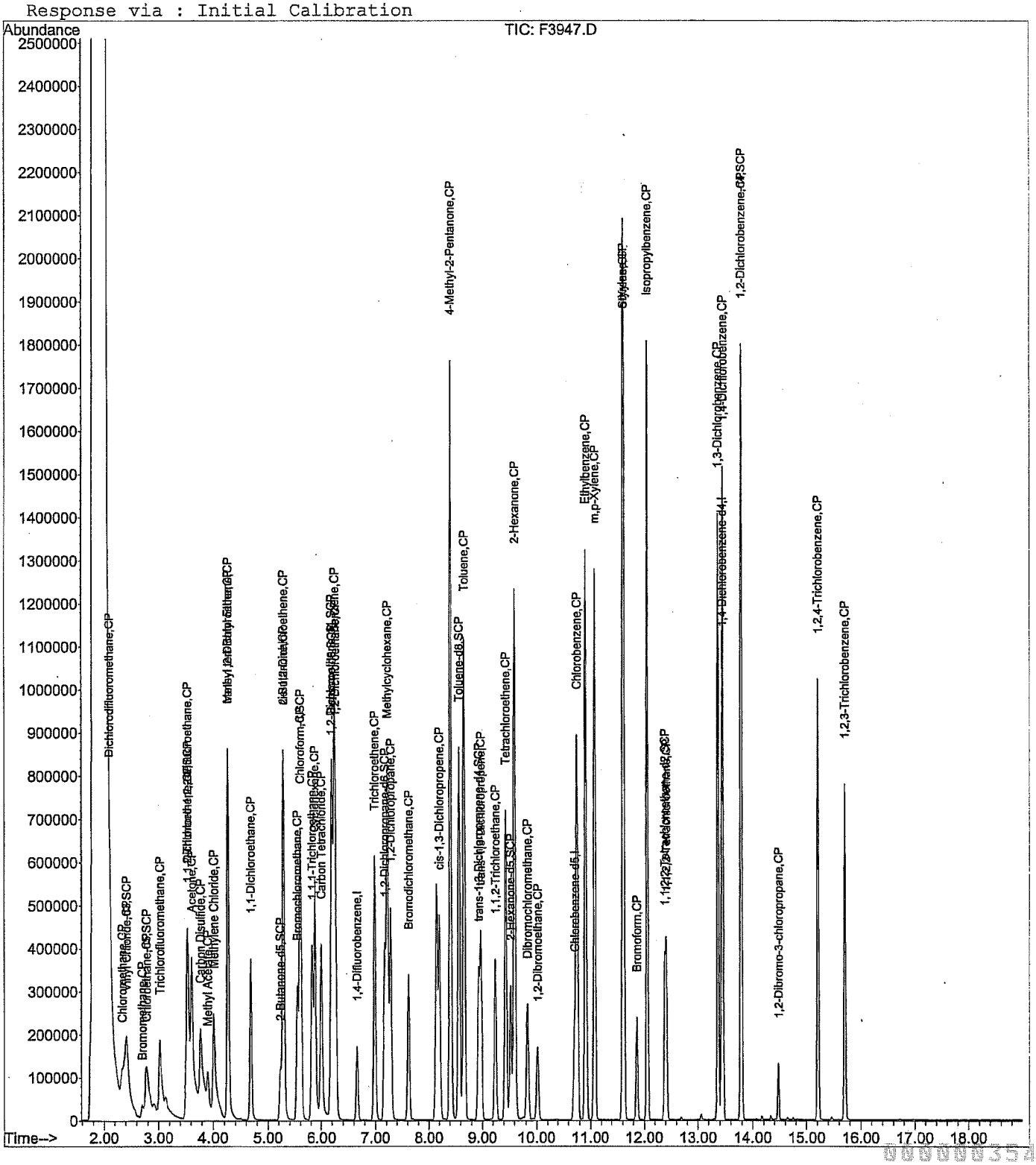
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3947.D
Acq On : 08/11/2010 1907
Sample : 0H12003-CAL5
Misc : VSTD0208K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:12 2010

Vial: 4
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3949.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:14:57 2010
Response via : Initial Calibration



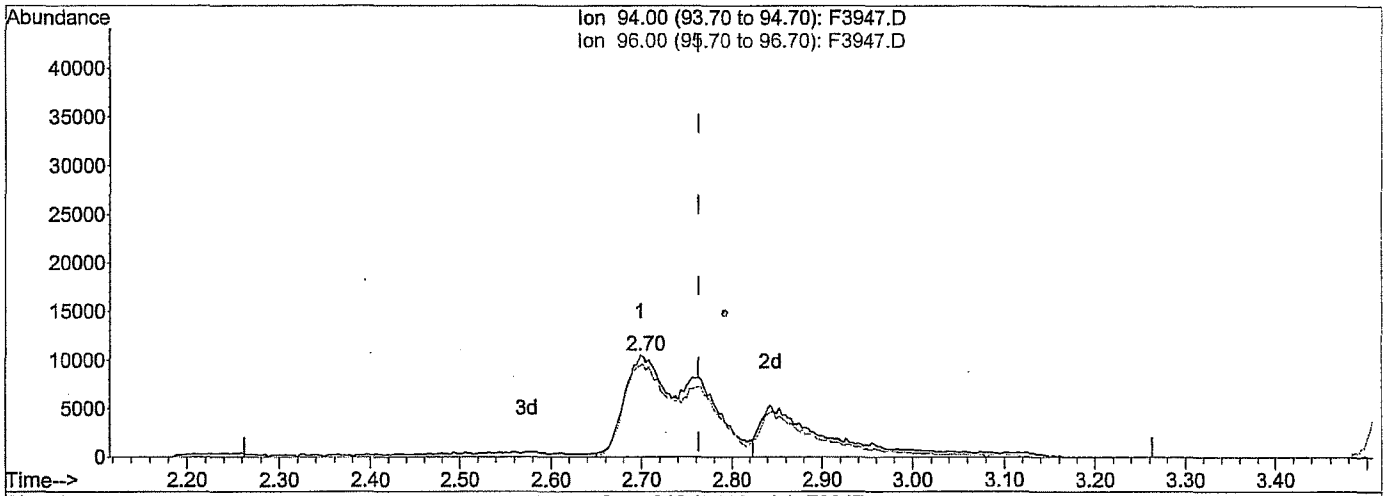
Quantitation Report (Qedit)

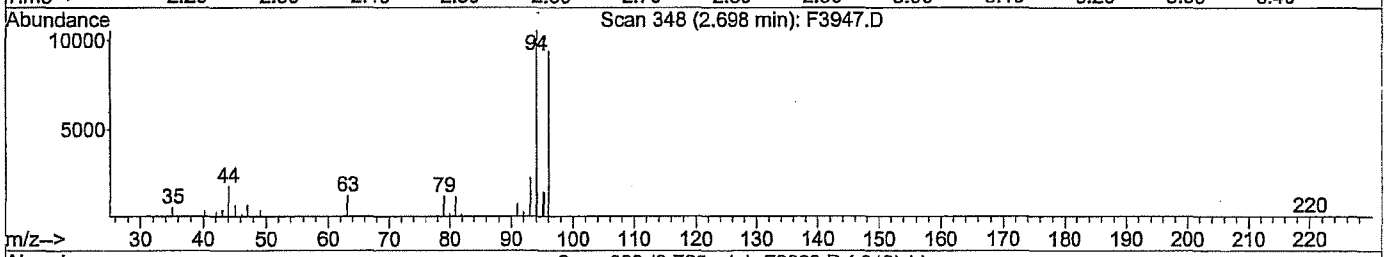
Data File : C:\MSDCHEM\1\DATA\F3947.D
Acq On : 08/11/2010 1907
Sample : 0H12003-CAL5
Misc : VSTD0208K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:11 2010

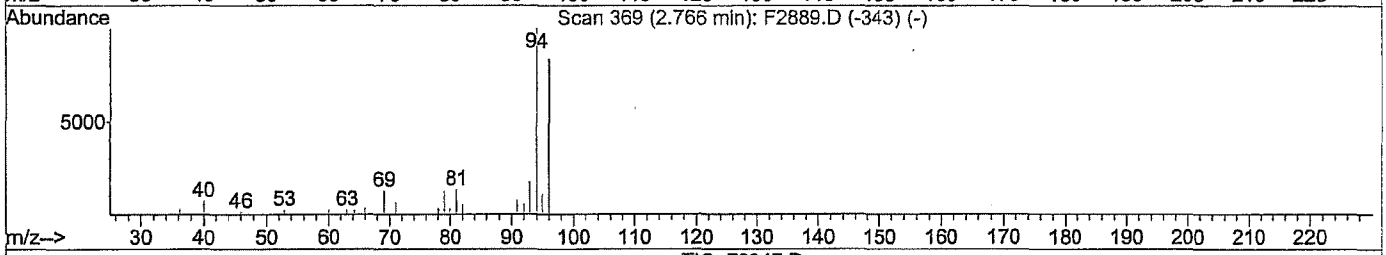
Vial: 4
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:11:05 2010
Response via : Multiple Level Calibration







TIC: F3947.D

(6) Bromomethane (CP)

2.70min (-0.064) 6.05ug/L

response 58155

Ion	Exp%	Act%
94.00	100	100
96.00	86.80	89.99
0.00	0.00	0.00
0.00	0.00	0.00

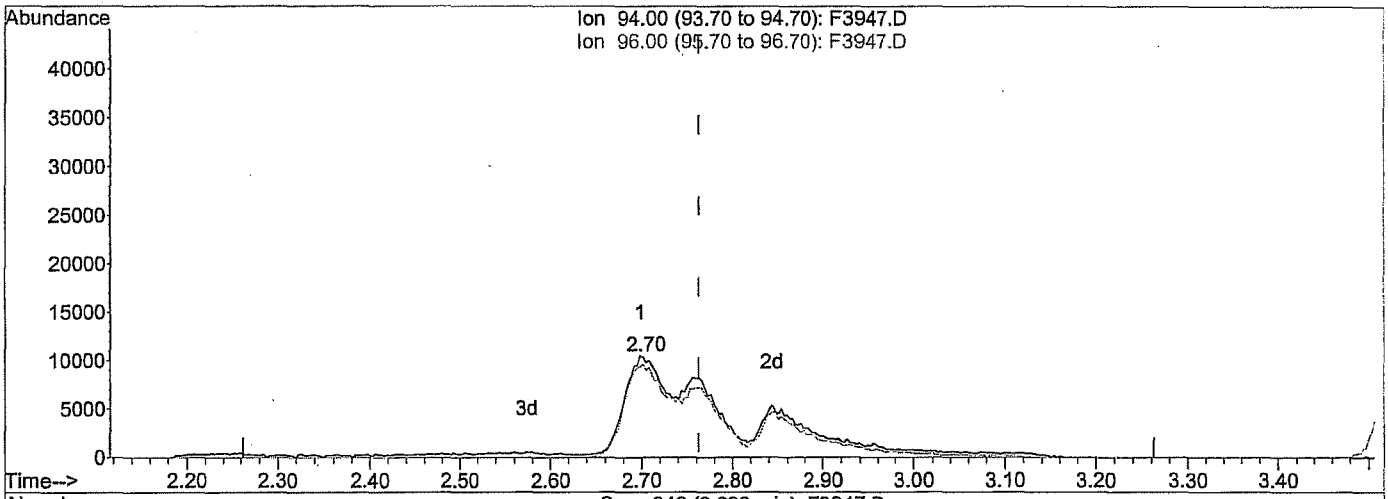
Quantitation Report (Qedit)

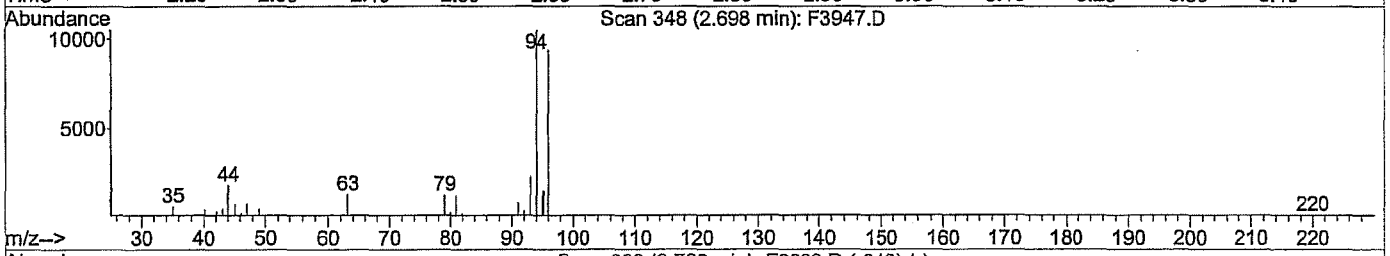
Data File : C:\MSDCHEM\1\DATA\F3947.D
Acq On : 08/11/2010 1907
Sample : 0H12003-CAL5
Misc : VSTD0208K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:12 2010

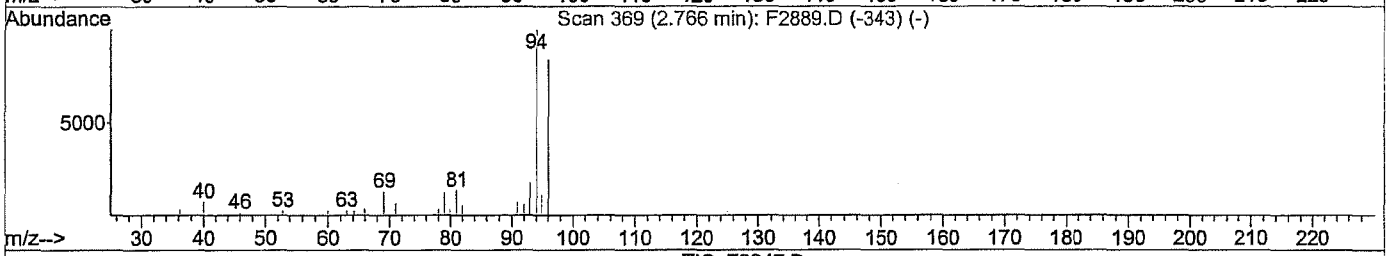
Vial: 4
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:11:05 2010
Response via : Multiple Level Calibration







TIC: F3947.D

(6) Bromomethane (CP)

2.70min (-0.064) 9.93ug/L m

response 95367

Ion	Exp%	Act%
94.00	100	100
96.00	86.80	54.88#
0.00	0.00	0.00
0.00	0.00	0.00

8/12/10

8/12/10

000000356

F3947.D SOTF3949.M Thu Aug 12 10:12:02 2010

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3948.D
Acq On : 08/11/2010 1938
Sample : 0H12003-CAL4
Misc : VSTD0108K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:12:35 2010

Vial: 5
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3949.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:12:10 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/12/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	186160	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	171347	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	98590	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	96238	10.3006 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 206.01%#		
7) Chloroethane-d5	2.78	69	99597	11.7094 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 234.19%#		
10) 1,1-Dichloroethene-d2	3.54	63	176287	10.6550 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 213.10%#		
20) 2-Butanone-d5	5.23	46	87398	103.0660 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 206.13%#		
24) Chloroform-d	5.59	84	197908	10.7166 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 214.33%#		
26) 1,2-Dichloroethane-d4	6.18	65	111019	10.7820 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 215.64%#		
32) Benzene-d6	6.20	84	424877	10.6108 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 212.22%#		
35) 1,2-Dichloropropane-d6	7.17	67	133520	10.3108 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 206.22%#		
41) Toluene-d8	8.57	98	420305	10.7940 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 215.88%#		
43) trans-1,3-Dichloropropene-	8.93	79	130859	11.2381 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 224.76%#		
47) 2-Hexanone-d5	9.53	63	73991	108.1954 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 216.39%#		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	91203	10.2688 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 205.38%#		
63) 1,2-Dichlorobenzene-d4	13.78	152	151694	10.6086 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 212.17%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.11	85	66424	11.3017 ug/L	99
3) Chloromethane	2.34	50	114365	10.1077 ug/L	99
5) Vinyl Chloride	2.42	62	138975	10.8503 ug/L	98
6) Bromomethane	2.72	94	99928	10.4362 ug/L	91
8) Chloroethane	2.81	64	99338	11.5075 ug/L	90
9) Trichlorofluoromethane	3.04	101	215111	11.8661 ug/L	98
11) 1,1-Dichloroethene	3.55	96	99619	11.4328 ug/L #	73
12) 1,1,2-Trichloro-1,2,2-trif	3.53	101	85037	11.2081 ug/L	89
13) Acetone	3.61	43	190195	96.4926 ug/L	98
14) Carbon Disulfide	3.78	76	325017	10.5035 ug/L	99
15) Methyl Acetate	3.90	43	50816	10.0959 ug/L	88
16) Methylene Chloride	4.01	84	110259	10.7141 ug/L #	76
17) trans-1,2-Dichloroethene	4.27	96	120676	10.9283 ug/L #	87
18) Methyl tert-Butyl Ether	4.26	73	220417	11.0056 ug/L	93
19) 1,1-Dichloroethane	4.69	63	202095	10.8209 ug/L	96
21) cis-1,2-Dichloroethene	5.28	96	132543	10.9545 ug/L	91
22) 2-Butanone	5.29	43	328418	100.6819 ug/L	88
23) Bromochloromethane	5.54	128	58187	10.8393 ug/L #	79

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

ORIGINAL COPY
Case: 40332 SDG: C0446
Episode: 0012600 Int./Date: 8/12/10 08/17/10

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3948.D
Acq On : 08/11/2010 1938
Sample : 0H12003-CAL4
Misc : VSTD0108K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:12:35 2010

Vial: 5
Operator: AC
Inst : F-5973
Multiplr: 1.00
Quant Results File: SOTF3949.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:12:10 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
25)	Chloroform	5.61	83	212538	10.7095	ug/L	98
27)	1,2-Dichloroethane	6.27	62	149221	10.6334	ug/L	99
29)	1,1,1-Trichloroethane	5.83	97	165339	10.5608	ug/L	97
30)	Cyclohexane	5.88	56	173053	10.9984	ug/L	90
31)	Carbon Tetrachloride	6.00	117	149305	10.6119	ug/L	98
33)	Benzene	6.24	78	514412	10.6742	ug/L	100
34)	Trichloroethene	6.99	95	125401	10.3663	ug/L	98
36)	Methylcyclohexane	7.22	83	250788	11.2328	ug/L #	75
37)	1,2-Dichloropropane	7.28	63	115436	10.7445	ug/L	98
38)	Bromodichloromethane	7.62	83	152511	10.8219	ug/L	96
39)	cis-1,3-Dichloropropene	8.20	75	192099	11.1918	ug/L	98
40)	4-Methyl-2-Pentanone	8.41	43	774359	103.4775	ug/L	96
42)	Toluene	8.66	91	588992	10.9293	ug/L	99
44)	trans-1,3-Dichloropropene	8.97	75	165718	11.3456	ug/L	99
45)	1,1,2-Trichloroethane	9.24	97	87856	10.4725	ug/L	99
46)	Tetrachloroethene	9.44	164	119445	10.6173	ug/L	98
48)	2-Hexanone	9.60	43	543510	104.7036	ug/L	97
49)	Dibromochloromethane	9.83	129	108243	10.8252	ug/L	99
50)	1,2-Dibromoethane	10.01	107	85372	10.6452	ug/L	99
51)	Chlorobenzene	10.75	112	366319	10.7483	ug/L	98
52)	Ethylbenzene	10.90	91	652526	10.9072	ug/L	99
53)	m,p-Xylene	11.07	106	257441	11.0213	ug/L	99
54)	o-Xylene	11.60	106	243575	11.2352	ug/L	97
55)	Styrene	11.62	104	404023	11.5507	ug/L	96
56)	Isopropylbenzene	12.05	105	644915	11.3461	ug/L	99
58)	1,1,2,2-Tetrachloroethane	12.41	83	101563	10.3101	ug/L	97
60)	Bromoform	11.86	173	65078	10.4667	ug/L	97
61)	1,3-Dichlorobenzene	13.37	146	296708	10.7781	ug/L	99
62)	1,4-Dichlorobenzene	13.45	146	307106	10.5844	ug/L	99
64)	1,2-Dichlorobenzene	13.79	146	269517	10.7612	ug/L	99
65)	1,2-Dibromo-3-chloropropan	14.48	75	14871	10.6078	ug/L	94
66)	1,2,4-Trichlorobenzene	15.21	180	187026	11.3994	ug/L	99
67)	1,2,3-Trichlorobenzene	15.70	180	159152	11.2662	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

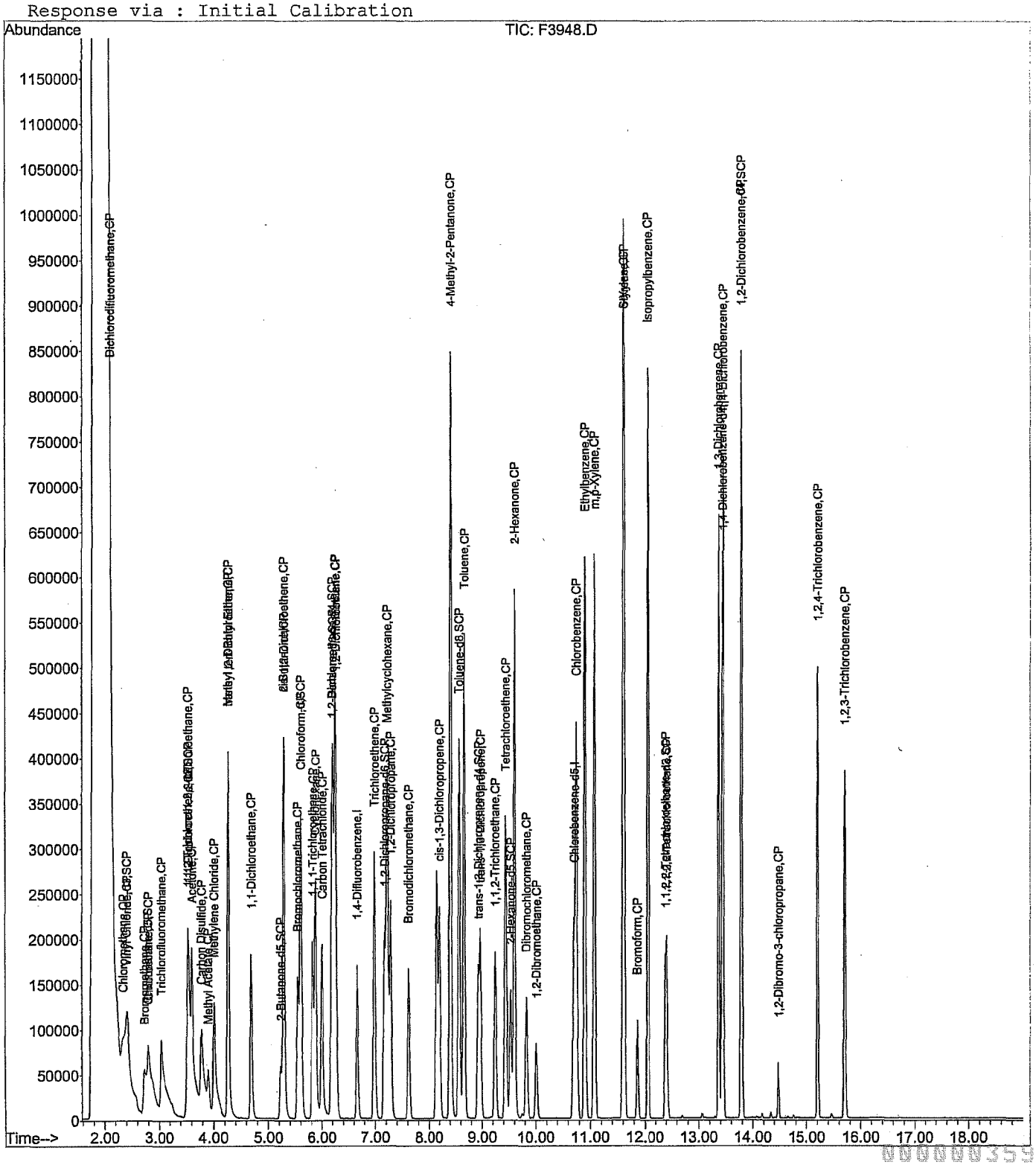
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3948.D
Acq On : 08/11/2010 1938
Sample : 0H12003-CAL4
Misc : VSTD0108K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:12 2010

Vial: 5
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3949.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:14:57 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3951.D
Acq On : 08/11/2010 2105
Sample : 0H12003-CAL2
Misc : VSTD0018K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:13:23 2010

Vial: 7
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3949.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:12:46 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/12/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	146066	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	127672	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	65237	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	2.40	65	7306	0.9966 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery =	19.93%#	
7) Chloroethane-d5	2.81	69	6998	1.0486 ug/L	0.02
Spiked Amount 5.0000	Range 71 - 131		Recovery =	20.97%#	
10) 1,1-Dichloroethene-d2	3.55	63	11557	0.8903 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery =	17.81%#	
20) 2-Butanone-d5	5.22	46	6776	10.1841 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery =	20.37%#	
24) Chloroform-d	5.59	84	13769	0.9502 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery =	19.00%#	
26) 1,2-Dichloroethane-d4	6.18	65	7623	0.9436 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery =	18.87%#	
32) Benzene-d6	6.20	84	28597	0.9585 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery =	19.17%#	
35) 1,2-Dichloropropane-d6	7.17	67	9519	0.9866 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery =	19.73%#	
41) Toluene-d8	8.57	98	27070	0.9330 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery =	18.66%#	
43) trans-1,3-Dichloropropene-	8.92	79	7787	0.8975 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery =	17.95%#	
47) 2-Hexanone-d5	9.53	63	4876	9.5692 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery =	19.14%#	
57) 1,1,2,2-Tetrachloroethane-	12.38	84	6720	1.0155 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery =	20.31%#	
63) 1,2-Dichlorobenzene-d4	13.78	152	8992	0.9504 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery =	19.01%#	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.10	85	4041	0.8763 ug/L	77
3) Chloromethane	2.33	50	8721	0.9823 ug/L	95
5) Vinyl Chloride	2.40	62	9417	0.9370 ug/L	89
6) Bromomethane	2.77	94	9236	1.2294 ug/L	85
8) Chloroethane	2.83	64	6419	0.9477 ug/L	91
9) Trichlorofluoromethane	3.05	101	10652	0.7489 ug/L	99
11) 1,1-Dichloroethene	3.56	96	5213	0.7625 ug/L #	92
12) 1,1,2-Trichloro-1,2,2-trif	3.54	101	5052	0.8486 ug/L	81
13) Acetone	3.61	43	15887	10.2724 ug/L	96
14) Carbon Disulfide	3.79	76	21781	0.8971 ug/L	91
15) Methyl Acetate	3.90	43	3862	0.9779 ug/L	90
16) Methylene Chloride	4.02	84	7781	0.9636 ug/L #	75
17) trans-1,2-Dichloroethene	4.27	96	7520	0.8679 ug/L #	88
18) Methyl tert-Butyl Ether	4.25	73	14243	0.9064 ug/L	92
19) 1,1-Dichloroethane	4.69	63	13406	0.9148 ug/L	96
21) cis-1,2-Dichloroethene	5.28	96	8448	0.8899 ug/L	92
22) 2-Butanone	5.29	43	26314	10.2813 ug/L	94
23) Bromochloromethane	5.54	128	3958	0.9397 ug/L #	82

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

ORIGINAL COPY
Case: 40332 SDG: C0446
Episode: 0012600 Int./Date: Kmw 08/17/10

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3951.D
Acq On : 08/11/2010 2105
Sample : 0H12003-CAL2
Misc : VSTD0018K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:13:23 2010

Vial: 7
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3949.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:12:46 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
25)	Chloroform	5.61	83	14556	0.9348	ug/L		95
27)	1,2-Dichloroethane	6.27	62	10443	0.9484	ug/L		96
29)	1,1,1-Trichloroethane	5.82	97	10700	0.9172	ug/L		97
30)	Cyclohexane	5.88	56	9467	0.8075	ug/L		82
31)	Carbon Tetrachloride	6.01	117	9610	0.9167	ug/L		100
33)	Benzene	6.24	78	33681	0.9380	ug/L		100
34)	Trichloroethene	6.99	95	8504	0.9435	ug/L		96
36)	Methylcyclohexane	7.22	83	13403	0.8057	ug/L	#	84
37)	1,2-Dichloropropane	7.28	63	7693	0.9610	ug/L	#	88
38)	Bromodichloromethane	7.61	83	10052	0.9573	ug/L		94
39)	cis-1,3-Dichloropropene	8.20	75	11382	0.8900	ug/L		100
40)	4-Methyl-2-Pentanone	8.40	43	56322	10.1010	ug/L		98
42)	Toluene	8.66	91	36106	0.8992	ug/L		98
44)	trans-1,3-Dichloropropene	8.97	75	9521	0.8748	ug/L		98
45)	1,1,2-Trichloroethane	9.25	97	6312	1.0098	ug/L		99
46)	Tetrachloroethene	9.44	164	7452	0.8890	ug/L		97
48)	2-Hexanone	9.60	43	38257	9.8911	ug/L		98
49)	Dibromochloromethane	9.83	129	7228	0.9701	ug/L		97
50)	1,2-Dibromoethane	10.01	107	5713	0.9561	ug/L	#	94
51)	Chlorobenzene	10.75	112	23726	0.9343	ug/L		96
52)	Ethylbenzene	10.90	91	40448	0.9074	ug/L		99
53)	m,p-Xylene	11.07	106	15282	0.8780	ug/L		95
54)	o-Xylene	11.60	106	13962	0.8643	ug/L		94
55)	Styrene	11.62	104	21394	0.8209	ug/L		94
56)	Isopropylbenzene	12.05	105	34963	0.8255	ug/L		98
58)	1,1,2,2-Tetrachloroethane	12.41	83	7464	1.0169	ug/L		94
60)	Bromoform	11.86	173	4222	1.0262	ug/L		92
61)	1,3-Dichlorobenzene	13.37	146	17086	0.9380	ug/L		100
62)	1,4-Dichlorobenzene	13.45	146	18335	0.9550	ug/L		97
64)	1,2-Dichlorobenzene	13.80	146	15673	0.9457	ug/L		99
65)	1,2-Dibromo-3-chloropropan	14.48	75	976	1.0521	ug/L		91
66)	1,2,4-Trichlorobenzene	15.21	180	9649	0.8888	ug/L		96
67)	1,2,3-Trichlorobenzene	15.71	180	8493	0.9086	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

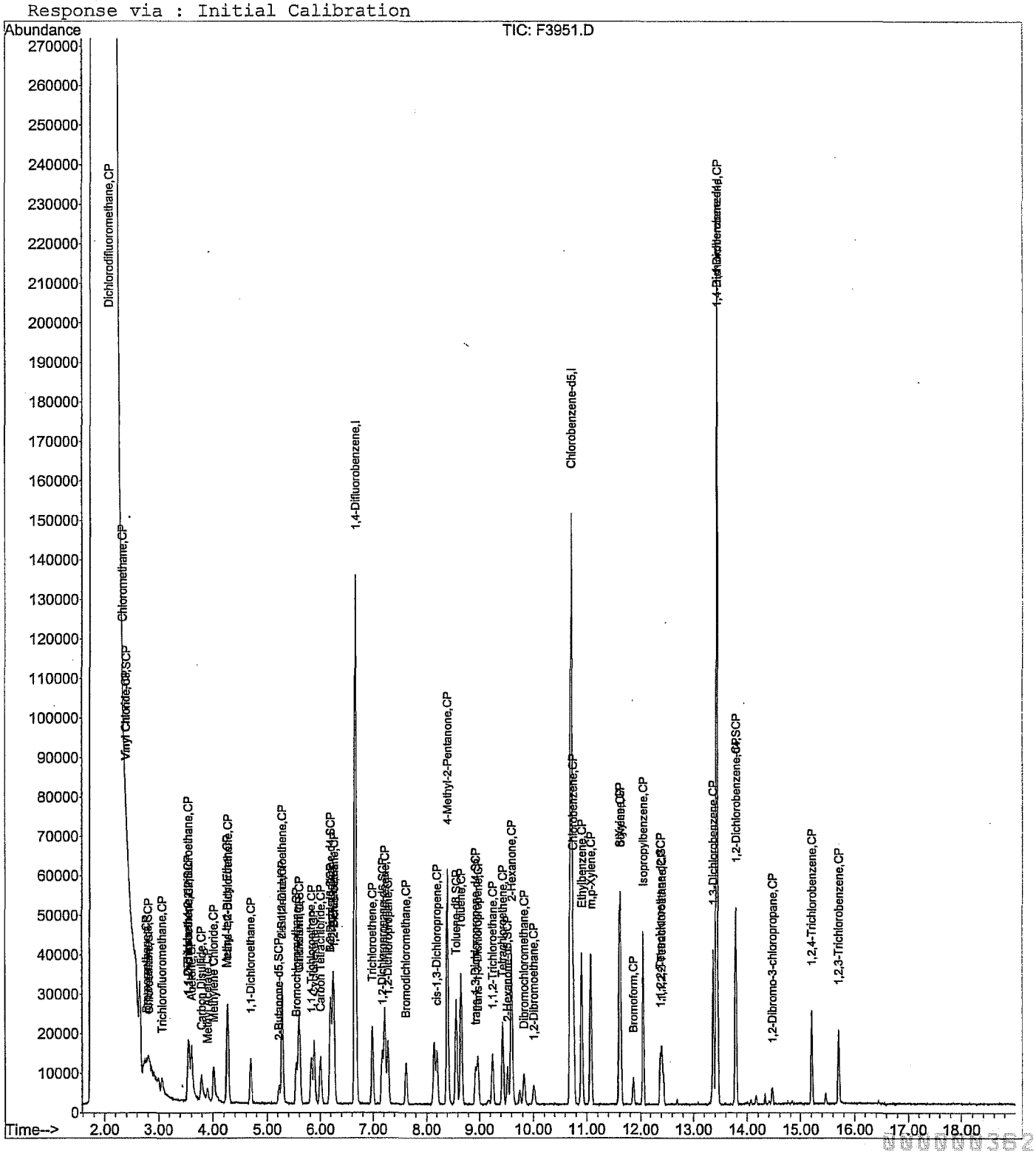
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3951.D
Acq On : 08/11/2010 2105
Sample : 0H12003-CAL2
Misc : VSTD0018K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 10:13 2010

Vial: 7
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3949.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:14:57 2010
Response via : Initial Calibration



6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: H-5975 Calibration Date(s): 08/12/2010 08/12/2010

Heated Purge: (Y/N) N Calibration Time(s): 1203 1441

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

LAB FILE ID: _____ RRF0.5= H2762.D RRF1= H2764.D

RRF5= H2758.D RRF10= H2763.D RRF20= H2759.D

COMPOUND	RRF0.5	RRF1	RRF5	RRF10	RRF20	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.050	0.079	0.059	0.083	0.084	0.071	21.6
Chloromethane	0.145	0.191	0.189	0.162	0.164	0.170	11.5
Vinyl chloride	0.084	0.095	0.097	0.099	0.112	0.098	10.2
Bromomethane	0.070	0.058	0.064	0.063	0.053	0.062	10.8
Chloroethane	0.063	0.078	0.065	0.057	0.061	0.065	12.1
Trichlorofluoromethane	0.245	0.298	0.232	0.229	0.235	0.248	11.7
1,1-Dichloroethene	0.190	0.213	0.186	0.191	0.188	0.194	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane	0.133	0.129	0.101	0.102	0.105	0.114	13.8
Acetone	0.098	0.063	0.062	0.056	0.054	0.067	27.4
Carbon disulfide	0.561	0.642	0.587	0.630	0.646	0.613	6.1
Methyl acetate	0.245	0.149	0.151	0.145	0.153	0.169	25.5
Methylene chloride	0.246	0.220	0.215	0.196	0.186	0.212	10.9
trans-1,2-Dichloroethene	0.278	0.281	0.259	0.280	0.270	0.274	3.4
Methyl tert-butyl ether	0.234	0.166	0.154	0.155	0.161	0.174	19.4
1,1-Dichloroethane	0.710	0.694	0.646	0.654	0.648	0.670	4.4
cis-1,2-Dichloroethene	0.327	0.304	0.288	0.289	0.284	0.298	5.9
2-Butanone	0.148	0.100	0.100	0.095	0.091	0.107	21.9
Bromochloromethane	0.149	0.122	0.119	0.114	0.112	0.123	12.2
Chloroform	0.649	0.618	0.587	0.592	0.563	0.602	5.5
1,1,1-Trichloroethane	0.476	0.548	0.512	0.533	0.554	0.524	6.0
Cyclohexane	0.587	0.691	0.633	0.646	0.694	0.650	6.9
Carbon tetrachloride	0.320	0.378	0.373	0.402	0.434	0.381	11.1
Benzene	1.409	1.412	1.374	1.351	1.339	1.377	2.4
1,2-Dichloroethane	0.646	0.487	0.502	0.474	0.461	0.514	14.6
Trichloroethene	0.328	0.363	0.346	0.353	0.360	0.350	4.0
Methylcyclohexane	0.487	0.555	0.471	0.550	0.556	0.524	7.9

Report 1,4-Dioxane for Low-Medium VOA analysis only

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: H-5975 Calibration Date(s): 08/12/2010 08/12/2010

Heated Purge: (Y/N) N Calibration Time(s): 1203 1441

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

LAB FILE ID: _____ RRF0.5= H2762.D RRF1= H2764.D

RRF5= H2758.D RRF10= H2763.D RRF20= H2759.D

COMPOUND	RRF0.5	RRF1	RRF5	RRF10	RRF20	$\overline{RRF}$	% RSD
1,2-Dichloropropane	0.433	0.411	0.388	0.383	0.376	0.398	5.9
Bromodichloromethane	0.471	0.411	0.450	0.442	0.448	0.445	4.9
cis-1,3-Dichloropropene	0.470	0.454	0.487	0.493	0.513	0.483	4.6
4-Methyl-2-pentanone	0.382	0.271	0.268	0.262	0.244	0.285	19.2
Toluene	1.447	1.477	1.404	1.456	1.430	1.443	1.9
trans-1,3-Dichloropropene	0.445	0.368	0.446	0.462	0.475	0.439	9.5
1,1,2-Trichloroethane	0.275	0.214	0.211	0.202	0.202	0.221	13.9
Tetrachloroethene	0.253	0.260	0.241	0.257	0.262	0.255	3.3
2-Hexanone	0.271	0.171	0.182	0.178	0.167	0.194	22.5
Dibromochloromethane	0.243	0.214	0.244	0.243	0.249	0.239	5.9
1,2-Dibromoethane	0.257	0.211	0.210	0.208	0.204	0.218	10.0
Chlorobenzene	0.951	0.915	0.876	0.888	0.878	0.902	3.5
Ethylbenzene	1.731	1.773	1.643	1.746	1.733	1.725	2.8
o-Xylene	0.655	0.635	0.603	0.626	0.618	0.628	3.1
m,p-Xylene	0.554	0.541	0.509	0.536	0.539	0.536	3.1
Styrene	0.589	0.587	0.658	0.809	0.859	0.700	18.1
Bromoform	0.161	0.182	0.194	0.209	0.221	0.193	12.1
Isopropylbenzene	1.521	1.650	1.616	1.733	1.737	1.651	5.5
1,1,2,2-Tetrachloroethane	0.320	0.236	0.241	0.237	0.229	0.253	14.9
1,3-Dichlorobenzene	1.585	1.453	1.302	1.339	1.272	1.390	9.3
1,4-Dichlorobenzene	1.715	1.511	1.350	1.351	1.282	1.442	12.1
1,2-Dichlorobenzene	1.479	1.285	1.168	1.171	1.106	1.242	11.9
1,2-Dibromo-3-chloropropane	0.101	0.071	0.079	0.076	0.079	0.081	14.2
1,2,4-Trichlorobenzene	1.137	0.929	0.735	0.746	0.730	0.856	20.8
1,2,3-Trichlorobenzene	1.197	0.820	0.618	0.616	0.600	0.770	33.1

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: H-5975 Calibration Date(s): 08/12/2010 08/12/2010

Heated Purge: (Y/N) N Calibration Time(s): 1203 1441

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

LAB FILE ID: _____ RRF0.5= H2762.D RRF1= H2764.D

RRF5= H2758.D RRF10= H2763.D RRF20= H2759.D

COMPOUND	RRF0.5	RRF1	RRF5	RRF10	RRF20	$\overline{RRF}$	% RSD
Vinyl chloride-d3	0.068	0.071	0.063	0.061	0.074	0.068	8.1
Chloroethane-d5	0.062	0.046	0.051	0.045	0.046	0.050	14.3
1,1-Dichloroethene-d2	0.649	0.652	0.546	0.566	0.548	0.592	9.1
2-Butanone-d5	0.081	0.060	0.065	0.059	0.060	0.065	14.5
Chloroform-d	0.759	0.685	0.591	0.613	0.589	0.647	11.4
1,2-Dichloroethane-d4	0.533	0.428	0.377	0.369	0.355	0.412	17.7
Benzene-d6	1.489	1.392	1.318	1.295	1.252	1.349	6.9
1,2-Dichloropropane-d6	0.487	0.397	0.378	0.380	0.368	0.402	12.1
Toluene-d8	1.339	1.299	1.186	1.202	1.169	1.239	6.1
trans-1,3-Dichloropropene-d4	0.444	0.378	0.401	0.415	0.429	0.414	6.1
2-Hexanone-d5	0.023	0.017	0.020	0.021	0.023	0.021	12.0
1,1,2,2-Tetrachloroethane-d2	0.316	0.243	0.233	0.233	0.226	0.250	15.0
1,2-Dichlorobenzene-d4	1.043	0.840	0.729	0.732	0.687	0.806	17.9

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Response Factor Report H-5975

Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 15:03:18 2010
Response via : Initial Calibration

8/16/10

8/12/10

Calibration Files
1 =H2762.D 2 =H2764.D 3 =H2758.D
4 =H2763.D 5 =H2759.D

		Compound	1	2	3	4	5	Avg	%RSD
1)	I	1,4-Difluorobenzene	----------ISTD----------						
2)	CP	Dichlorodifluoromet	0.05036	0.07925	0.05949	0.08277	0.08443	0.07126	21.573
3)	CP	Chloromethane	0.14520	0.19148	0.18897	0.16190	0.16446	0.17040	11.486
4)	SCP	Vinyl Chloride-d3	0.06782	0.07117	0.06283	0.06146	0.07432	0.06752	8.058
5)	CP	Vinyl Chloride	0.08441	0.09535	0.09694	0.09931	0.11224	0.09765#	10.196
6)	CP	Bromomethane	0.07047	0.05788	0.06371	0.06307	0.05286	0.06160#	10.759
7)	SCP	Chloroethane-d5	0.06211	0.04647	0.05097	0.04472	0.04584	0.05002	14.317
8)	CP	Chloroethane	0.06314	0.07761	0.06461	0.05694	0.06083	0.06463	12.094
9)	CP	Trichlorofluorometh	0.24548	0.29848	0.23228	0.22873	0.23468	0.24793	11.673
10)	SCP	1,1-Dichloroethene-	0.64928	0.65229	0.54603	0.56626	0.54781	0.59234	9.109
11)	CP	1,1-Dichloroethene	0.18985	0.21279	0.18581	0.19145	0.18811	0.19360	5.645
12)	CP	1,1,2-Trichloro-1,2	0.13319	0.12861	0.10089	0.10171	0.10486	0.11385	13.805
13)	CP	Acetone	0.09842	0.06349	0.06178	0.05585	0.05358	0.06662	27.379
14)	CP	Carbon Disulfide	0.56114	0.64195	0.58670	0.63014	0.64611	0.61321	6.107
15)	CP	Methyl Acetate	0.24548	0.14931	0.15146	0.14456	0.15301	0.16877	25.481
16)	CP	Methylene Chloride	0.24552	0.21979	0.21494	0.19564	0.18573	0.21233	10.920
17)	CP	trans-1,2-Dichloroe	0.27765	0.28143	0.25892	0.28026	0.26953	0.27356	3.440
18)	CP	Methyl tert-Butyl E	0.23377	0.16558	0.15415	0.15533	0.16081	0.17393	19.412
19)	CP	1,1-Dichloroethane	0.71002	0.69428	0.64581	0.65404	0.64816	0.67046	4.416
20)	SCP	2-Butanone-d5	0.08123	0.05959	0.06536	0.05916	0.05980	0.06503	14.468
21)	CP	cis-1,2-Dichloroeth	0.32659	0.30441	0.28831	0.28888	0.28417	0.29847	5.865
22)	CP	2-Butanone	0.14801	0.09970	0.09966	0.09546	0.09086	0.10674	21.884
23)	CP	Bromochloromethane	0.14931	0.12207	0.11854	0.11445	0.11236	0.12335	12.153
24)	SCP	Chloroform-d	0.75926	0.68530	0.59074	0.61283	0.58901	0.64743	11.393
25)	CP	Chloroform	0.64894	0.61750	0.58741	0.59190	0.56265	0.60168	5.454
26)	SCP	1,2-Dichloroethane-	0.53296	0.42839	0.37680	0.36887	0.35458	0.41232	17.696
27)	CP	1,2-Dichloroethane	0.64581	0.48696	0.50193	0.47410	0.46093	0.51395	14.644
28)	I	Chlorobenzene-d5	----------ISTD----------						
29)	CP	1,1,1-Trichloroetha	0.47581	0.54767	0.51196	0.53274	0.55394	0.52442	6.030
30)	CP	Cyclohexane	0.58658	0.69146	0.63252	0.64598	0.69361	0.65003	6.864
31)	CP	Carbon Tetrachlorid	0.31952	0.37785	0.37278	0.40210	0.43402	0.38125	11.061
32)	SCP	Benzene-d6	1.48857	1.39156	1.31764	1.29466	1.25177	1.34884	6.903
33)	CP	Benzene	1.40936	1.41249	1.37441	1.35127	1.33890	1.37728	2.415
34)	CP	Trichloroethene	0.32826	0.36283	0.34611	0.35323	0.36032	0.35015	3.960
35)	SCP	1,2-Dichloropropane	0.48748	0.39711	0.37802	0.38023	0.36809	0.40219	12.136
36)	CP	Methylcyclohexane	0.48715	0.55499	0.47072	0.54963	0.55595	0.52369	7.894
37)	CP	1,2-Dichloropropane	0.43294	0.41118	0.38847	0.38276	0.37620	0.39831	5.878
38)	CP	Bromodichloromethan	0.47141	0.41132	0.45002	0.44217	0.44812	0.44461	4.869
39)	CP	cis-1,3-Dichloropro	0.47032	0.45410	0.48699	0.49273	0.51320	0.48347	4.645
40)	CP	4-Methyl-2-Pentanon	0.38173	0.27054	0.26787	0.26207	0.24438	0.28532	19.224
41)	SCP	Toluene-d8	1.33871	1.29880	1.18632	1.20170	1.16949	1.23900	6.056
42)	CP	Toluene	1.44703	1.47708	1.40382	1.45629	1.43016	1.44288	1.915
43)	SCP	trans-1,3-Dichlorop	0.44405	0.37838	0.40110	0.41531	0.42881	0.41353	6.115
44)	CP	trans-1,3-Dichlorop	0.44504	0.36828	0.44609	0.46171	0.47548	0.43932	9.477
45)	CP	1,1,2-Trichloroetha	0.27500	0.21406	0.21098	0.20210	0.20188	0.22081	13.935
46)	CP	Tetrachloroethene	0.25312	0.26014	0.24070	0.25734	0.26158	0.25458	3.299
47)	SCP	2-Hexanone-d5	0.02258	0.01669	0.01975	0.02123	0.02268	0.02058	12.049
48)	CP	2-Hexanone	0.27069	0.17114	0.18178	0.17754	0.16677	0.19358	22.465
49)	CP	Dibromochloromethan	0.24287	0.21392	0.24446	0.24319	0.24934	0.23876	5.915
50)	CP	1,2-Dibromoethane	0.25662	0.21121	0.21047	0.20791	0.20401	0.21804	9.974
51)	CP	Chlorobenzene	0.95123	0.91493	0.87572	0.88771	0.87824	0.90157	3.529
52)	CP	Ethylbenzene	1.73054	1.77337	1.64349	1.74605	1.73331	1.72535	2.828
53)	CP	m,p-Xylene	0.55426	0.54062	0.50873	0.53566	0.53929	0.53571	3.108
54)	CP	o-Xylene	0.65482	0.63542	0.60345	0.62638	0.61807	0.62763	3.062
55)	CP	Styrene	0.58899	0.58679	0.65835	0.80949	0.85863	0.70045	18.062
56)	CP	Isopropylbenzene	1.52052	1.65021	1.61562	1.73317	1.73737	1.65138	5.458
57)	SCP	1,1,2,2-Tetrachloro	0.31645	0.24257	0.23251	0.23334	0.22629	0.25023	14.974

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58)	CP	1,1,2,2-Tetrachloro	0.31980	0.23594	0.24149	0.23664	0.22948	0.25267	14.949
59)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
60)	CP	Bromoform	0.16094	0.18205	0.19441	0.20900	0.22079	0.19344	12.062
61)	CP	1,3-Dichlorobenzene	1.58544	1.45345	1.30229	1.33856	1.27189	1.39032	9.275
62)	CP	1,4-Dichlorobenzene	1.71482	1.51139	1.34986	1.35149	1.28213	1.44194	12.086
63)	SCP	1,2-Dichlorobenzene	1.04325	0.84010	0.72948	0.73174	0.68672	0.80626	17.871
64)	CP	1,2-Dichlorobenzene	1.47923	1.28506	1.16780	1.17106	1.10570	1.24177	11.894
65)	CP	1,2-Dibromo-3-chlor	0.10090	0.07096	0.07924	0.07569	0.07912	0.08118	14.196
66)	CP	1,2,4-Trichlorobenz	1.13698	0.92949	0.73469	0.74620	0.73019	0.85551	20.824
67)	CP	1,2,3-Trichlorobenz	1.19673	0.82041	0.61847	0.61569	0.59978	0.77022	33.126#

(#) = Out of Range

SOTH2758.M Thu Aug 12 15:04:48 2010

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2759.D
Acq On : 08/12/2010 1229
Sample : 0H12006-CAL5
Misc : VSTD0205P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 13:51:48 2010

Vial: 4
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Sat Aug 07 09:59:40 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	268488	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	235819	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	124105	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	79815	24.5572 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 491.14%#		
7) Chloroethane-d5	1.83	69	49235	18.9791 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 379.58%#		
10) 1,1-Dichloroethene-d2	2.48	63	588323	18.9091 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 378.18%#		
20) 2-Butanone-d5	4.04	46	642202	313.7145 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 627.43%#		
24) Chloroform-d	4.38	84	632571	18.1644 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 363.29%#		
26) 1,2-Dichloroethane-d4	4.92	65	380801	17.2447 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 344.89%#		
32) Benzene-d6	4.94	84	1180760	17.8430 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 356.86%#		
35) 1,2-Dichloropropane-d6	5.88	67	347214	17.1560 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 343.12%#		
41) Toluene-d8	7.27	98	1103153	18.2236 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 364.47%#		
43) trans-1,3-Dichloropropene-	7.63	79	404490	19.5322 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 390.64%#		
47) 2-Hexanone-d5	8.24	63	213909	165.1410 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 330.28%#		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	213456	15.2271 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 304.54%#		
63) 1,2-Dichlorobenzene-d4	13.28	152	340900	16.6786 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 333.57%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.28	85	90677	20.3240 ug/L	85
3) Chloromethane	1.42	50	176622	17.2965 ug/L	96
5) Vinyl Chloride	1.52	62	120541	18.8249 ug/L	95
6) Bromomethane	1.77	94	56764	14.1224 ug/L	93
8) Chloroethane	1.86	64	65332	16.5875 ug/L	87
9) Trichlorofluoromethane	2.07	101	252033	16.7943 ug/L	93
11) 1,1-Dichloroethene	2.49	96	202024	15.5773 ug/L #	83
12) 1,1,2-Trichloro-1,2,2-trif	2.51	101	112610	15.9553 ug/L	98
13) Acetone	2.54	43	575380	128.7274 ug/L	99
14) Carbon Disulfide	2.67	76	693888	16.5375 ug/L	99
15) Methyl Acetate	2.82	43	164330	14.0384 ug/L	98
16) Methylene Chloride	2.90	84	199465	13.9267 ug/L	100
17) trans-1,2-Dichloroethene	3.15	96	289462	15.6383 ug/L	98
18) Methyl tert-Butyl Ether	3.16	73	172702	14.2859 ug/L	97
19) 1,1-Dichloroethane	3.52	63	696093	15.6090 ug/L	99
21) cis-1,2-Dichloroethene	4.08	96	305189	14.9583 ug/L	97
22) 2-Butanone	4.09	43	975764	129.1852 ug/L	99
23) Bromochloromethane	4.32	128	120669	17.3317 ug/L	96

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

ORIGINAL COPY
Case: 40415 SDG: F3L04
Episode: 00126601 Int./Date: 08/14/13

000000368

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2759.D
Acq On : 08/12/2010 1229
Sample : 0H12006-CAL5
Misc : VSTD0205P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 13:51:48 2010

Vial: 4
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Sat Aug 07 09:59:40 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	Chloroform	4.41	83	604254	15.3369	ug/L	97
27)	1,2-Dichloroethane	5.00	62	495013	14.5368	ug/L	99
29)	1,1,1-Trichloroethane	4.59	97	522515	17.3716	ug/L	98
30)	Cyclohexane	4.66	56	654263	17.5969	ug/L	92
31)	Carbon Tetrachloride	4.77	117	409402	18.8398	ug/L	98
33)	Benzene	4.99	78	1262951	15.5962	ug/L	100
34)	Trichloroethene	5.73	95	339884	16.5539	ug/L	100
36)	Methylcyclohexane	5.97	83	524417	16.0898	ug/L	93
37)	1,2-Dichloropropane	5.98	63	354859	15.1116	ug/L	99
38)	Bromodichloromethane	6.33	83	422704	16.4463	ug/L	99
39)	cis-1,3-Dichloropropene	6.91	75	484092	16.9048	ug/L	96
40)	4-Methyl-2-Pentanone	7.13	43	2305196	131.8371	ug/L	99
42)	Toluene	7.36	91	1349032	15.5429	ug/L	99
44)	trans-1,3-Dichloropropene	7.67	75	448512	17.3518	ug/L	98
45)	1,1,2-Trichloroethane	7.92	97	190426	14.2819	ug/L	99
46)	Tetrachloroethene	8.12	164	246743	16.1917	ug/L	97
48)	2-Hexanone	8.31	43	1573058	129.8915	ug/L	99
49)	Dibromochloromethane	8.47	129	235194	17.6563	ug/L	98
50)	1,2-Dibromoethane	8.61	107	192436	14.3913	ug/L	99
51)	Chlorobenzene	9.37	112	828426	15.3631	ug/L	99
52)	Ethylbenzene	9.58	91	1634987	16.2877	ug/L	99
53)	m,p-Xylene	9.58	106	508700	16.0027	ug/L	98
54)	o-Xylene	10.38	106	583006	16.0783	ug/L	100
55)	Styrene	10.41	104	809926	14.6836	ug/L	94
56)	Isopropylbenzene	11.01	105	1638819	16.6387	ug/L	99
58)	1,1,2,2-Tetrachloroethane	11.51	83	216460	13.7073	ug/L	100
60)	Bromoform	10.66	173	109607	16.3898	ug/L	99
61)	1,3-Dichlorobenzene	12.79	146	631390	14.8709	ug/L	99
62)	1,4-Dichlorobenzene	12.90	146	636473	14.5574	ug/L	99
64)	1,2-Dichlorobenzene	13.30	146	548890	14.3864	ug/L	98
65)	1,2-Dibromo-3-chloropropan	14.06	75	39279	14.1224	ug/L	96
66)	1,2,4-Trichlorobenzene	14.78	180	362482	14.1786	ug/L	98
67)	1,2,3-Trichlorobenzene	15.16	180	297745	13.2598	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

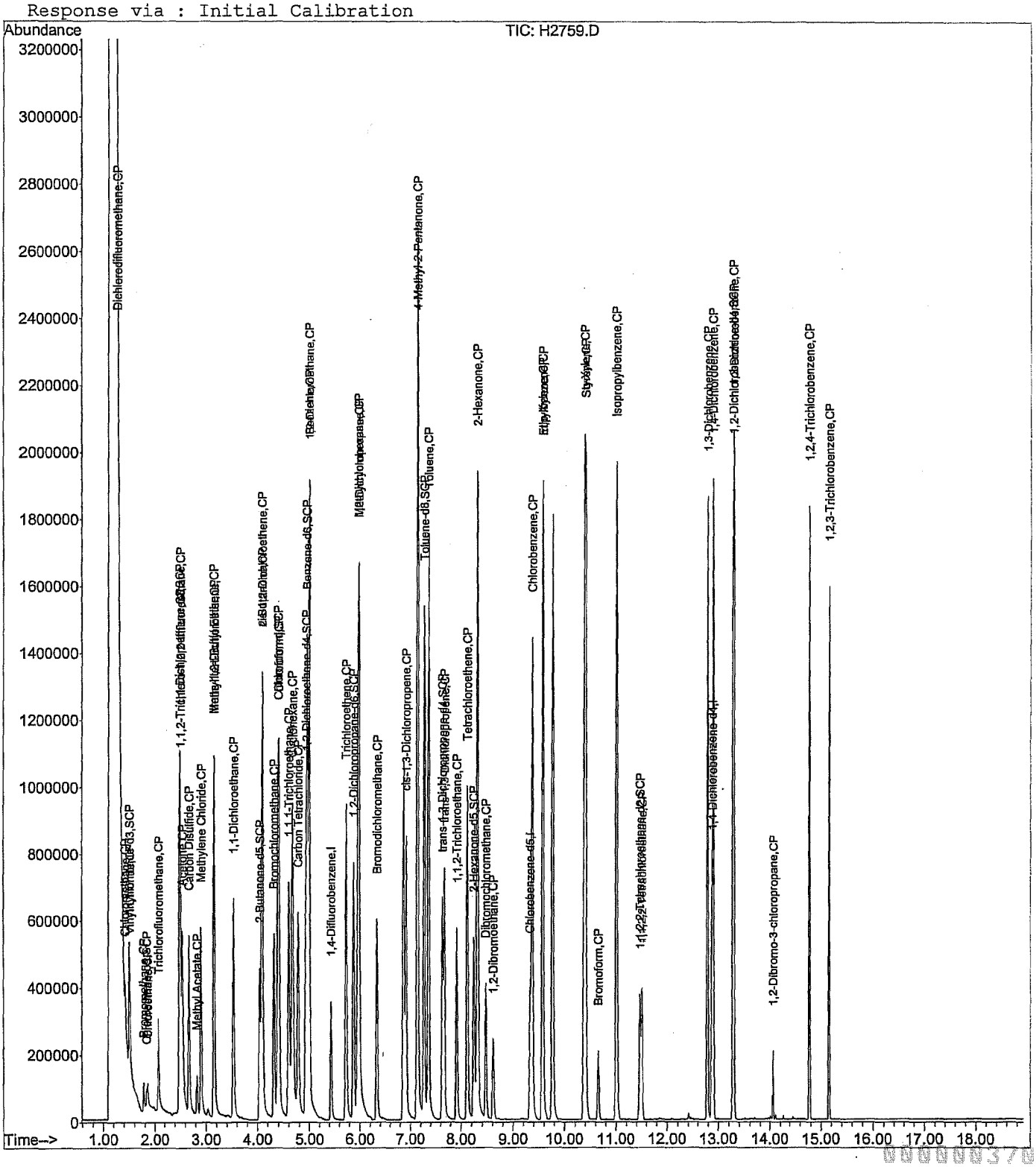
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2759.D
Acq On : 08/12/2010 1229
Sample : 0H12006-CAL5
Misc : VSTD0205P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 13:51 2010

Vial: 4
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 15:03:18 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2762.D
Acq On : 08/12/2010 1348
Sample : 0H12006-CAL1
Misc : VSTD0.55P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 14:08:54 2010

Vial: 7
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Sat Aug 07 09:59:40 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	233134	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	211599	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	107434	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	1581	0.5602 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery =	11.20%#	
7) Chloroethane-d5	1.84	69	1448	0.6428 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery =	12.86%#	
10) 1,1-Dichloroethene-d2	2.48	63	15137	0.5603 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery =	11.21%#	
20) 2-Butanone-d5	4.04	46	18938	10.6541 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery =	21.31%#	
24) Chloroform-d	4.39	84	17701	0.5854 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery =	11.71%#	
26) 1,2-Dichloroethane-d4	4.92	65	12425	0.6480 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery =	12.96%#	
32) Benzene-d6	4.95	84	31498	0.5305 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery =	10.61%#	
35) 1,2-Dichloropropane-d6	5.87	67	10315	0.5680 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery =	11.36%#	
41) Toluene-d8	7.26	98	28327	0.5215 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery =	10.43%#	
43) trans-1,3-Dichloropropene-	7.64	79	9396	0.5057 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery =	10.11%#	
47) 2-Hexanone-d5	8.25	63	4777	4.1100 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery =	8.22%#	
57) 1,1,2,2-Tetrachloroethane-	11.46	84	6696	0.5323 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery =	10.65%#	
63) 1,2-Dichlorobenzene-d4	13.28	152	11208	0.6334 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery =	12.67%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.28	85	1174	0.3030 ug/L #	48
3) Chloromethane	1.42	50	3385	0.3818 ug/L #	59
5) Vinyl Chloride	1.52	62	1968	0.3540 ug/L	94
6) Bromomethane	1.78	94	1643	0.4708 ug/L	95
8) Chloroethane	1.86	64	1472	0.4304 ug/L	78
9) Trichlorofluoromethane	2.07	101	5723	0.4392 ug/L	87
11) 1,1-Dichloroethene	2.50	96	4426	0.3930 ug/L #	65
12) 1,1,2-Trichloro-1,2,2-trif	2.51	101	3105	0.5067 ug/L #	64
13) Acetone	2.54	43	22946	5.9121 ug/L	94
14) Carbon Disulfide	2.67	76	13082	0.3591 ug/L	99
15) Methyl Acetate	2.82	43	5723	0.5630 ug/L	84
16) Methylene Chloride	2.90	84	5724	0.4603 ug/L	92
17) trans-1,2-Dichloroethene	3.15	96	6473	0.4027 ug/L	95
18) Methyl tert-Butyl Ether	3.15	73	5450	0.5192 ug/L	89
19) 1,1-Dichloroethane	3.52	63	16553	0.4275 ug/L	98
21) cis-1,2-Dichloroethene	4.08	96	7614	0.4298 ug/L	98
22) 2-Butanone	4.10	43	34506	5.2612 ug/L	93
23) Bromochloromethane	4.32	128	3481	0.5758 ug/L #	82

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

ORIGINAL COPY
Case: 40415 SDG: F3L04
Episode: 012601 Int./Date: 08/16/10

000000371

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2762.D
Acq On : 08/12/2010 1348
Sample : 0H12006-CAL1
Misc : VSTD0.55P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 14:08:54 2010

Vial: 7
Operator: AC
Inst : H-5975
Multiplr: 1.00
Quant Results File: SOTH2758.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Sat Aug 07 09:59:40 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
25)	Chloroform	4.41	83	15129	0.4422 ug/L		99
27)	1,2-Dichloroethane	5.00	62	15056	0.5092 ug/L		92
29)	1,1,1-Trichloroethane	4.60	97	10068	0.3730 ug/L		93
30)	Cyclohexane	4.66	56	12412	0.3720 ug/L		97
31)	Carbon Tetrachloride	4.78	117	6761	0.3467 ug/L		96
33)	Benzene	4.99	78	29822	0.4104 ug/L		100
34)	Trichloroethene	5.73	95	6946	0.3770 ug/L		95
36)	Methylcyclohexane	5.96	83	10308	0.3525 ug/L		98
37)	1,2-Dichloropropane	5.99	63	9161	0.4348 ug/L	#	89
38)	Bromodichloromethane	6.33	83	9975	0.4325 ug/L		97
39)	cis-1,3-Dichloropropene	6.91	75	9952	0.3873 ug/L		99
40)	4-Methyl-2-Pentanone	7.14	43	80773	5.1483 ug/L		97
42)	Toluene	7.36	91	30619	0.3932 ug/L		99
44)	trans-1,3-Dichloropropene	7.67	75	9417	0.4060 ug/L		70
45)	1,1,2-Trichloroethane	7.92	97	5819	0.4864 ug/L		95
46)	Tetrachloroethene	8.12	164	5356	0.3917 ug/L		99
48)	2-Hexanone	8.32	43	57278	5.2710 ug/L		98
49)	Dibromochloromethane	8.46	129	5139	0.4300 ug/L		97
50)	1,2-Dibromoethane	8.61	107	5430	0.4526 ug/L	#	94
51)	Chlorobenzene	9.38	112	20128	0.4160 ug/L		95
52)	Ethylbenzene	9.58	91	36618	0.4065 ug/L		98
53)	m,p-Xylene	9.58	106	11728	0.4112 ug/L		94
54)	o-Xylene	10.39	106	13856	0.4259 ug/L		93
55)	Styrene	10.40	104	12463	0.2518 ug/L		92
56)	Isopropylbenzene	11.00	105	32174	0.3640 ug/L		96
58)	1,1,2,2-Tetrachloroethane	11.51	83	6767	0.4776 ug/L		90
60)	Bromoform	10.65	173	1729	0.2987 ug/L		91
61)	1,3-Dichlorobenzene	12.80	146	17033	0.4634 ug/L		99
62)	1,4-Dichlorobenzene	12.90	146	18423	0.4868 ug/L		98
64)	1,2-Dichlorobenzene	13.30	146	15892	0.4812 ug/L		98
65)	1,2-Dibromo-3-chloropropan	14.06	75	1084	0.4502 ug/L	#	81
66)	1,2,4-Trichlorobenzene	14.78	180	12215	0.5519 ug/L		95
67)	1,2,3-Trichlorobenzene	15.16	180	12857	0.6614 ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

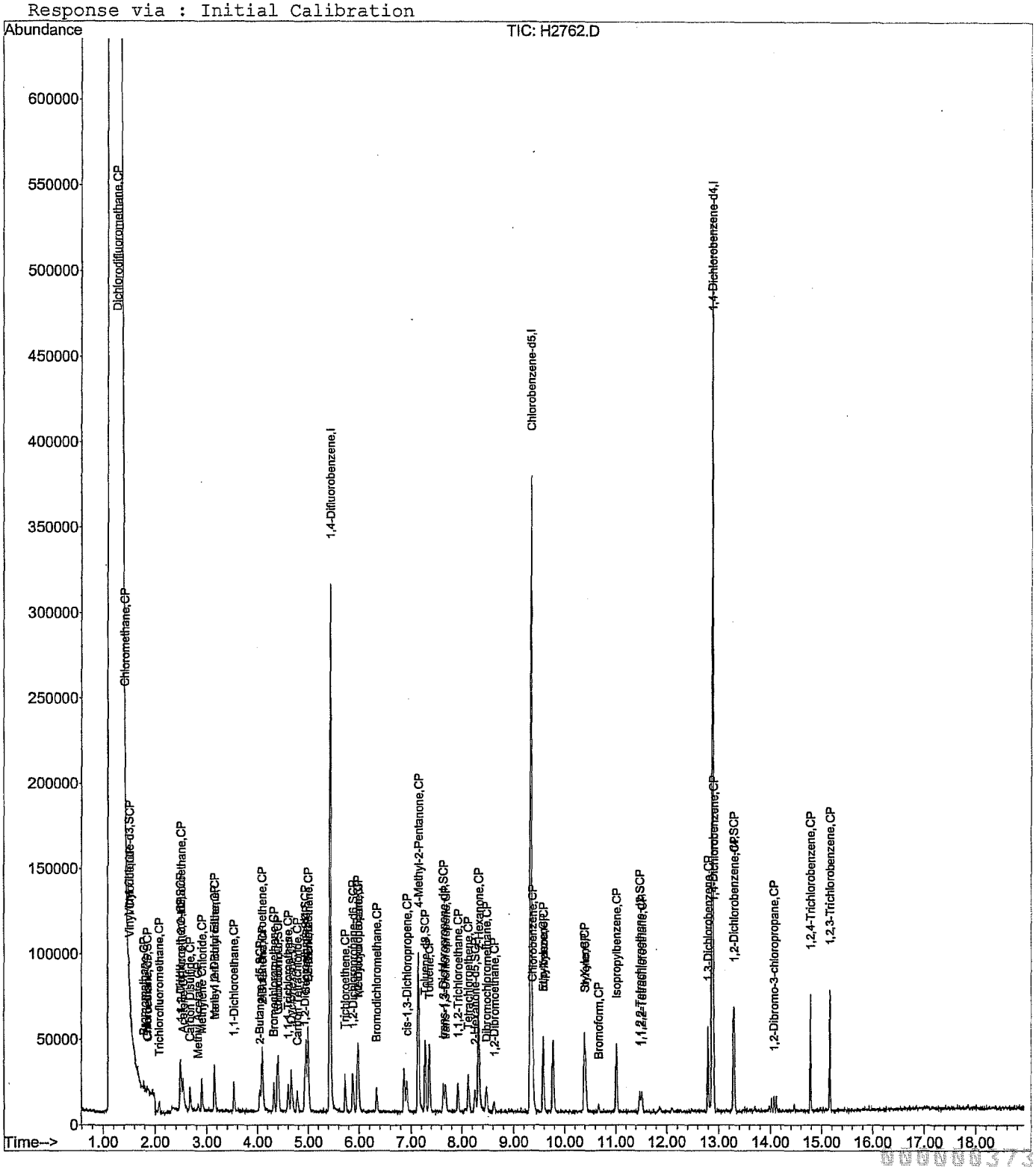
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2762.D
Acq On : 08/12/2010 1348
Sample : 0H12006-CAL1
Misc : VSTD0.55P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 14:08 2010

Vial: 7
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 15:03:18 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2763.D
Acq On : 08/12/2010 1414
Sample : 0H12006-CAL4
Misc : VSTD0105P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 14:50:14 2010

Vial: 8
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Sat Aug 07 09:59:40 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	253693	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	226761	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	118425	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	31183	10.1538 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 203.08%#		
7) Chloroethane-d5	1.84	69	22692	9.2574 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 185.15%#		
10) 1,1-Dichloroethene-d2	2.49	63	287313	9.7730 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 195.46%#		
20) 2-Butanone-d5	4.04	46	300147	155.1720 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 310.34%#		
24) Chloroform-d	4.39	84	310942	9.4495 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 188.99%#		
26) 1,2-Dichloroethane-d4	4.92	65	187158	8.9698 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 179.40%#		
32) Benzene-d6	4.94	84	587156	9.2272 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 184.54%#		
35) 1,2-Dichloropropane-d6	5.88	67	172444	8.8609 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 177.22%#		
41) Toluene-d8	7.27	98	544997	9.3627 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 187.25%#		
43) trans-1,3-Dichloropropene-	7.63	79	188351	9.4585 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 189.17%#		
47) 2-Hexanone-d5	8.24	63	96266	77.2875 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 154.57%#		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	105825	7.8507 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 157.01%#		
63) 1,2-Dichlorobenzene-d4	13.28	152	173312	8.8860 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 177.72%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.28	85	41996	9.9618 ug/L	97
3) Chloromethane	1.42	50	82144	8.5135 ug/L	100
5) Vinyl Chloride	1.52	62	50388	8.3280 ug/L	93
6) Bromomethane	1.78	94	32000	8.4256 ug/L	96
8) Chloroethane	1.86	64	28889	7.7625 ug/L	87
9) Trichlorofluoromethane	2.07	101	116053	8.1842 ug/L	90
11) 1,1-Dichloroethene	2.50	96	97138	7.9267 ug/L #	82
12) 1,1,2-Trichloro-1,2,2-trif	2.51	101	51605	7.7381 ug/L	98
13) Acetone	2.54	43	283370	67.0944 ug/L	98
14) Carbon Disulfide	2.67	76	319725	8.0644 ug/L	98
15) Methyl Acetate	2.83	43	73350	6.6316 ug/L	96
16) Methylene Chloride	2.90	84	99267	7.3350 ug/L	99
17) trans-1,2-Dichloroethene	3.15	96	142201	8.1305 ug/L	99
18) Methyl tert-Butyl Ether	3.16	73	78814	6.8997 ug/L	98
19) 1,1-Dichloroethane	3.53	63	331853	7.8753 ug/L	99
21) cis-1,2-Dichloroethene	4.08	96	146572	7.6029 ug/L	97
22) 2-Butanone	4.09	43	484344	67.8638 ug/L	98
23) Bromochloromethane	4.32	128	58071	8.8272 ug/L	93

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

ORIGINAL COPY
Case: 40415 SDG: F3L04
Episode: 012601 Int./Date: 08/11/10

000000374

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2763.D
Acq On : 08/12/2010 1414
Sample : 0H12006-CAL4
Misc : VSTD0105P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 14:50:14 2010

Vial: 8
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Sat Aug 07 09:59:40 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	Chloroform	4.41	83	300320	8.0671	ug/L	97
27)	1,2-Dichloroethane	5.00	62	240553	7.4762	ug/L	99
29)	1,1,1-Trichloroethane	4.60	97	241608	8.3534	ug/L	96
30)	Cyclohexane	4.66	56	292964	8.1942	ug/L	92
31)	Carbon Tetrachloride	4.78	117	182360	8.7270	ug/L	97
33)	Benzene	4.99	78	612829	7.8701	ug/L	100
34)	Trichloroethene	5.73	95	160196	8.1139	ug/L	99
36)	Methylcyclohexane	5.97	83	249270	7.9534	ug/L	94
37)	1,2-Dichloropropane	5.98	63	173590	7.6876	ug/L	100
38)	Bromodichloromethane	6.33	83	200533	8.1139	ug/L	98
39)	cis-1,3-Dichloropropene	6.91	75	223465	8.1153	ug/L	97
40)	4-Methyl-2-Pentanone	7.13	43	1188552	70.6901	ug/L	98
42)	Toluene	7.36	91	660460	7.9135	ug/L	99
44)	trans-1,3-Dichloropropene	7.67	75	209394	8.4245	ug/L	100
45)	1,1,2-Trichloroethane	7.92	97	91659	7.1490	ug/L	97
46)	Tetrachloroethene	8.12	164	116709	7.9646	ug/L	99
48)	2-Hexanone	8.32	43	805168	69.1406	ug/L	98
49)	Dibromochloromethane	8.47	129	110293	8.6106	ug/L	99
50)	1,2-Dibromoethane	8.61	107	94290	7.3331	ug/L	100
51)	Chlorobenzene	9.37	112	402596	7.7644	ug/L	99
52)	Ethylbenzene	9.58	91	791872	8.2037	ug/L	100
53)	m,p-Xylene	9.58	106	242934	7.9475	ug/L	100
54)	o-Xylene	10.39	106	284076	8.1473	ug/L	100
55)	Styrene	10.41	104	367121	6.9216	ug/L	94
56)	Isopropylbenzene	11.00	105	786032	8.2993	ug/L	98
58)	1,1,2,2-Tetrachloroethane	11.51	83	107323	7.0677	ug/L	100
60)	Bromoform	10.66	173	49502	7.7572	ug/L	98
61)	1,3-Dichlorobenzene	12.79	146	317039	7.8253	ug/L	100
62)	1,4-Dichlorobenzene	12.90	146	320100	7.6725	ug/L	100
64)	1,2-Dichlorobenzene	13.30	146	277366	7.6184	ug/L	99
65)	1,2-Dibromo-3-chloropropan	14.06	75	17928	6.7550	ug/L	99
66)	1,2,4-Trichlorobenzene	14.78	180	176737	7.2447	ug/L	100
67)	1,2,3-Trichlorobenzene	15.16	180	145827	6.8058	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

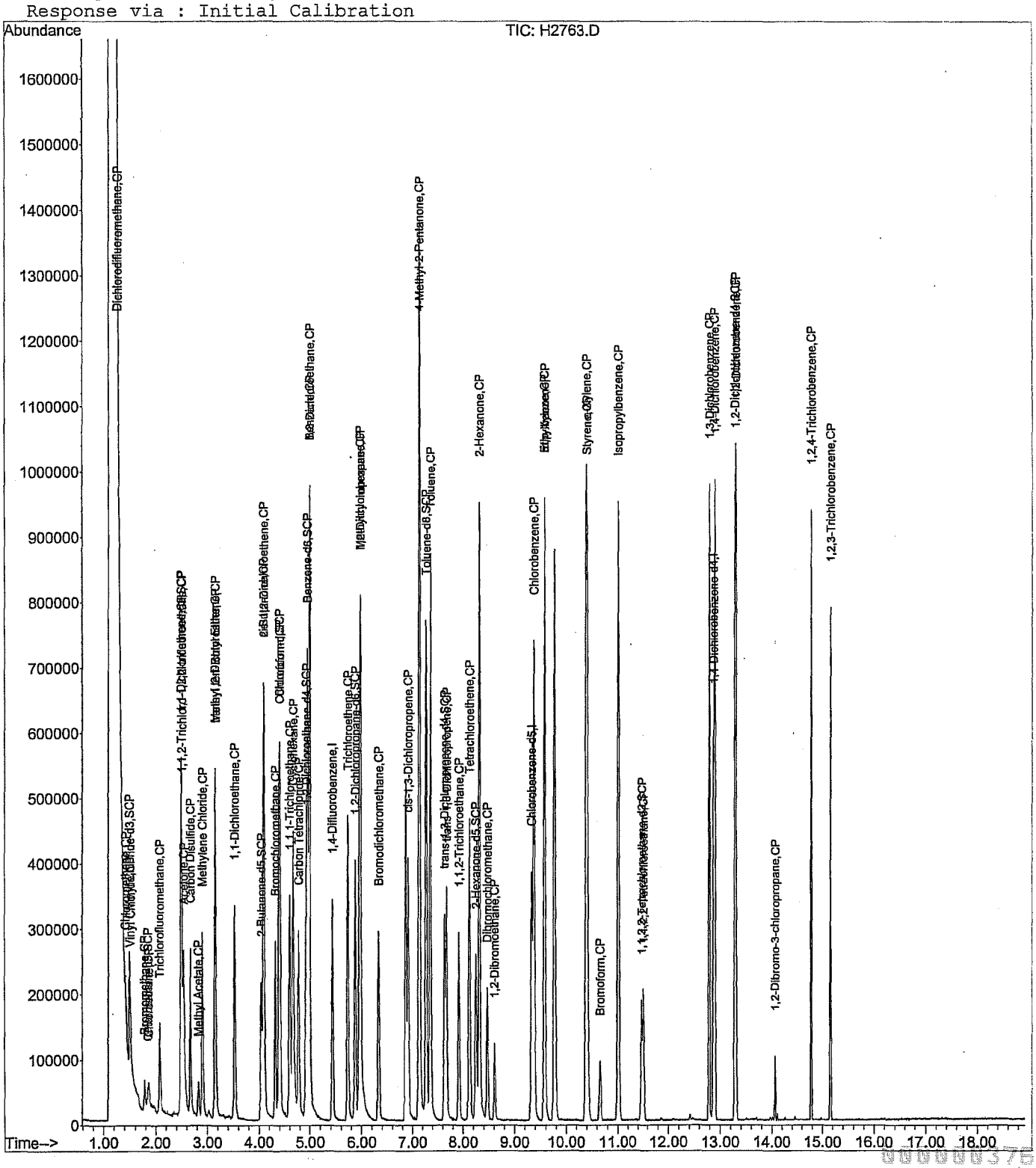
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2763.D
Acq On : 08/12/2010 1414
Sample : 0H12006-CAL4
Misc : VSTD0105P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 14:50 2010

Vial: 8
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 15:03:18 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2764.D
Acq On : 08/12/2010 1441
Sample : 0H12006-CAL2
Misc : VSTD0015P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 15:01:18 2010

Vial: 9
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 14:56:52 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/12/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	238428	5.0000	ug/L	0.00
28) Chlorobenzene-d5	9.33	117	215733	5.0000	ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.88	152	107166	5.0000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.51	65	3394	1.0541	ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery =	21.08%#		
7) Chloroethane-d5	1.85	69	2216	0.9290	ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery =	18.58%#		
10) 1,1-Dichloroethene-d2	2.49	63	31105	1.1012	ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery =	22.02%#		
20) 2-Butanone-d5	4.04	46	28418	9.1643	ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery =	18.33%#		
24) Chloroform-d	4.38	84	32679	1.0585	ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery =	21.17%#		
26) 1,2-Dichloroethane-d4	4.92	65	20428	1.0390	ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery =	20.78%#		
32) Benzene-d6	4.95	84	60041	1.0317	ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery =	20.63%#		
35) 1,2-Dichloropropane-d6	5.88	67	17134	0.9874	ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery =	19.75%#		
41) Toluene-d8	7.27	98	56039	1.0483	ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery =	20.97%#		
43) trans-1,3-Dichloropropene-	7.63	79	16326	0.9150	ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery =	18.30%#		
47) 2-Hexanone-d5	8.25	63	7202	8.1090	ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery =	16.22%#		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	10466	0.9694	ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery =	19.39%#		
63) 1,2-Dichlorobenzene-d4	13.28	152	18006	1.0420	ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery =	20.84%#		

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.28	85	3779	1.1121	ug/L	97
3) Chloromethane	1.42	50	9131	1.1237	ug/L	97
5) Vinyl Chloride	1.52	62	4547	0.9765	ug/L	99
6) Bromomethane	1.79	94	2760	0.9396	ug/L	88
8) Chloroethane	1.87	64	3701	1.2009	ug/L	68
9) Trichlorofluoromethane	2.08	101	14233	1.2039	ug/L	99
11) 1,1-Dichloroethene	2.49	96	10147	1.0991	ug/L #	75
12) 1,1,2-Trichloro-1,2,2-trif	2.51	101	6133	1.1297	ug/L	96
13) Acetone	2.55	43	30277	9.5301	ug/L	100
14) Carbon Disulfide	2.67	76	30612	1.0469	ug/L	99
15) Methyl Acetate	2.83	43	7120	0.8847	ug/L	95
16) Methylene Chloride	2.90	84	10481	1.0352	ug/L	99
17) trans-1,2-Dichloroethene	3.15	96	13420	1.0288	ug/L	95
18) Methyl tert-Butyl Ether	3.15	73	7896	0.9520	ug/L #	76
19) 1,1-Dichloroethane	3.53	63	33107	1.0355	ug/L	98
21) cis-1,2-Dichloroethene	4.08	96	14516	1.0199	ug/L	98
22) 2-Butanone	4.10	43	47542	9.3406	ug/L	100
23) Bromochloromethane	4.31	128	5821	0.9896	ug/L	92

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

ORIGINAL COPY
Case: 40415 SDG: 13604
Episode: 0012601 Int./Date: 08/12/10

000000377

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2764.D
Acq On : 08/12/2010 1441
Sample : 0H12006-CAL2
Misc : VSTD0015P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 15:01:18 2010

Vial: 9
Operator: AC
Inst : H-5975
Multiplr: 1.00
Quant Results File: SOTH2758.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 14:56:52 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
25)	Chloroform	4.41	83	29446	1.0263	ug/L		95
27)	1,2-Dichloroethane	5.00	62	23221	0.9475	ug/L		98
29)	1,1,1-Trichloroethane	4.59	97	23630	1.0443	ug/L		98
30)	Cyclohexane	4.66	56	29834	1.0637	ug/L		97
31)	Carbon Tetrachloride	4.78	117	16303	0.9911	ug/L		97
33)	Benzene	4.99	78	60944	1.0256	ug/L		100
34)	Trichloroethene	5.72	95	15655	1.0362	ug/L		99
36)	Methylcyclohexane	5.96	83	23946	1.0598	ug/L		94
37)	1,2-Dichloropropane	5.99	63	17741	1.0323	ug/L		91
38)	Bromodichloromethane	6.34	83	17747	0.9251	ug/L		97
39)	cis-1,3-Dichloropropene	6.91	75	19593	0.9393	ug/L		99
40)	4-Methyl-2-Pentanone	7.13	43	116729	9.4821	ug/L		95
42)	Toluene	7.36	91	63731	1.0237	ug/L		99
44)	trans-1,3-Dichloropropene	7.67	75	15890	0.8383	ug/L		97
45)	1,1,2-Trichloroethane	7.91	97	9236	0.9695	ug/L		97
46)	Tetrachloroethene	8.13	164	11224	1.0218	ug/L		95
48)	2-Hexanone	8.31	43	73842	8.8408	ug/L		99
49)	Dibromochloromethane	8.47	129	9230	0.8960	ug/L		98
50)	1,2-Dibromoethane	8.62	107	9113	0.9687	ug/L	#	98
51)	Chlorobenzene	9.38	112	39476	1.0148	ug/L		95
52)	Ethylbenzene	9.58	91	76515	1.0278	ug/L		100
53)	m,p-Xylene	9.58	106	23326	1.0092	ug/L		99
54)	o-Xylene	10.38	106	27416	1.0124	ug/L		94
55)	Styrene	10.41	104	25318	0.8377	ug/L		90
56)	Isopropylbenzene	11.01	105	71201	0.9993	ug/L		98
58)	1,1,2,2-Tetrachloroethane	11.51	83	10180	0.9338	ug/L		98
60)	Bromoform	10.66	173	3902	0.9411	ug/L		89
61)	1,3-Dichlorobenzene	12.79	146	31152	1.0454	ug/L		99
62)	1,4-Dichlorobenzene	12.90	146	32394	1.0482	ug/L		95
64)	1,2-Dichlorobenzene	13.30	146	27543	1.0349	ug/L		99
65)	1,2-Dibromo-3-chloropropan	14.06	75	1521	0.8741	ug/L		92
66)	1,2,4-Trichlorobenzene	14.78	180	19922	1.0865	ug/L		98
67)	1,2,3-Trichlorobenzene	15.16	180	17584	1.0652	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

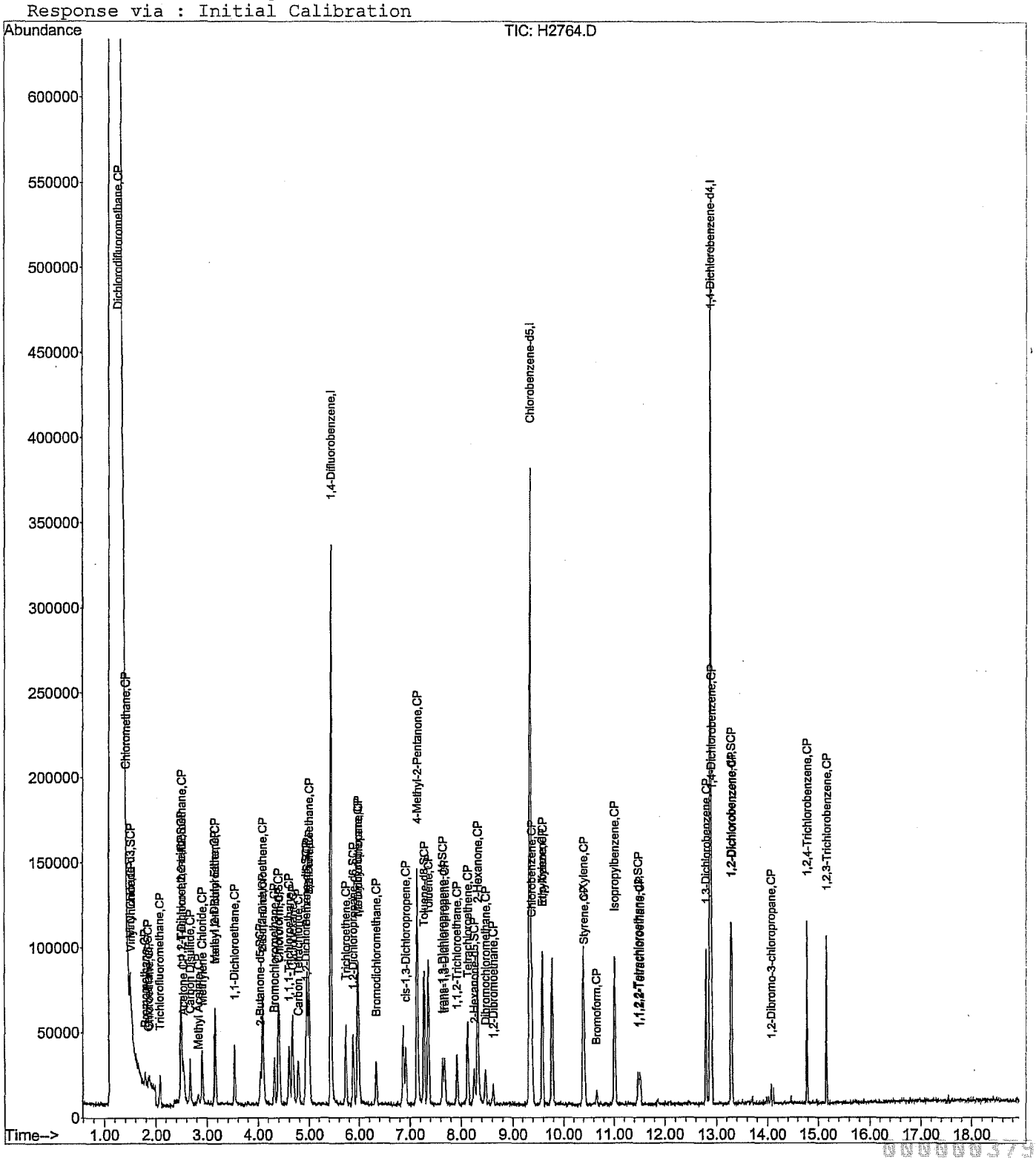
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2764.D
Acq On : 08/12/2010 1441
Sample : 0H12006-CAL2
Misc : VSTD0015P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 15:01 2010

Vial: 9
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 15:03:18 2010
Response via : Initial Calibration



7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: F-5973 Calibration Date: 08/11/2010 Time: 2007

Lab File ID: F3949.D Init. Calib. Date(s): 08/11/2010 08/11/2010

EPA Sample No.(VSTD#####): VSTD0058K Init. Calib. Time(s): 1807 2105

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.158	0.176	0.010	11.2	40.0
Chloromethane	0.304	0.318	0.010	4.5	40.0
Vinyl chloride	0.344	0.366	0.100	6.5	30.0
Bromomethane	0.257	0.340	0.100	32.3	30.0
Chloroethane	0.232	0.270	0.010	16.3	40.0
Trichlorofluoromethane	0.487	0.534	0.010	9.7	40.0
1,1-Dichloroethene	0.234	0.269	0.100	14.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.204	0.216	0.010	6.1	40.0
Acetone	0.053	0.058	0.010	9.3	40.0
Carbon disulfide	0.831	0.872	0.010	4.9	40.0
Methyl acetate	0.135	0.155	0.010	14.5	40.0
Methylene chloride	0.276	0.297	0.010	7.3	40.0
trans-1,2-Dichloroethene	0.297	0.319	0.010	7.5	40.0
Methyl tert-butyl ether	0.538	0.597	0.010	10.9	40.0
1,1-Dichloroethane	0.502	0.534	0.200	6.5	30.0
cis-1,2-Dichloroethene	0.325	0.349	0.010	7.3	40.0
2-Butanone	0.088	0.100	0.010	14.7	40.0
Bromochloromethane	0.144	0.158	0.050	9.6	30.0
Chloroform	0.533	0.565	0.200	6.0	30.0
1,1,1-Trichloroethane	0.457	0.483	0.100	5.8	30.0
Cyclohexane	0.459	0.508	0.010	10.6	40.0
Carbon tetrachloride	0.411	0.434	0.100	5.7	30.0
Benzene	1.406	1.490	0.400	6.0	30.0
1,2-Dichloroethane	0.377	0.412	0.100	9.3	30.0
Trichloroethene	0.353	0.370	0.300	4.7	30.0
Methylcyclohexane	0.651	0.716	0.010	9.9	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: F-5973 Calibration Date: 08/11/2010 Time: 2007

Lab File ID: F3949.D Init. Calib. Date(s): 08/11/2010 08/11/2010

EPA Sample No.(VSTD#####): VSTD0058K Init. Calib. Time(s): 1807 2105

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.314	0.335	0.010	7.0	40.0
Bromodichloromethane	0.411	0.439	0.200	6.8	30.0
cis-1,3-Dichloropropene	0.501	0.549	0.200	9.6	30.0
4-Methyl-2-pentanone	0.218	0.254	0.010	16.4	40.0
Toluene	1.573	1.686	0.400	7.2	30.0
trans-1,3-Dichloropropene	0.426	0.474	0.100	11.1	30.0
1,1,2-Trichloroethane	0.245	0.270	0.100	10.5	30.0
Tetrachloroethene	0.328	0.345	0.100	5.1	30.0
2-Hexanone	0.151	0.179	0.010	18.5	40.0
Dibromochloromethane	0.292	0.319	0.100	9.4	30.0
1,2-Dibromoethane	0.234	0.263	0.010	12.3	40.0
Chlorobenzene	0.995	1.066	0.500	7.2	30.0
Ethylbenzene	1.746	1.881	0.100	7.7	30.0
o-Xylene	0.633	0.690	0.300	9.0	30.0
m,p-Xylene	0.682	0.733	0.300	7.6	30.0
Styrene	1.021	1.121	0.300	9.8	30.0
Bromoform	0.315	0.347	0.050	10.0	30.0
Isopropylbenzene	1.659	1.810	0.010	9.1	40.0
1,1,2,2-Tetrachloroethane	0.287	0.322	0.100	11.9	30.0
1,3-Dichlorobenzene	1.396	1.512	0.400	8.3	30.0
1,4-Dichlorobenzene	1.471	1.582	0.400	7.5	30.0
1,2-Dichlorobenzene	1.270	1.383	0.400	8.9	30.0
1,2-Dibromo-3-chloropropane	0.071	0.084	0.010	18.2	40.0
1,2,4-Trichlorobenzene	0.832	0.900	0.200	8.1	30.0
1,2,3-Trichlorobenzene	0.716	0.790	0.200	10.2	30.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: F-5973 Calibration Date: 08/11/2010 Time: 2007

Lab File ID: F3949.D Init. Calib. Date(s): 08/11/2010 08/11/2010

EPA Sample No.(VSTD#####): VSTD0058K Init. Calib. Time(s): 1807 2105

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.251	0.282	0.010	12.4	30.0
Chloroethane-d5	0.228	0.287	0.010	25.5	40.0
1,1-Dichloroethene-d2	0.444	0.495	0.010	11.5	30.0
2-Butanone-d5	0.023	0.026	0.010	15.8	40.0
Chloroform-d	0.496	0.548	0.010	10.5	30.0
1,2-Dichloroethane-d4	0.277	0.293	0.010	6.1	30.0
Benzene-d6	1.168	1.290	0.010	10.4	30.0
1,2-Dichloropropane-d6	0.378	0.400	0.010	5.9	40.0
Toluene-d8	1.136	1.263	0.010	11.2	30.0
trans-1,3-Dichloropropene-d4	0.340	0.375	0.010	10.3	30.0
2-Hexanone-d5	0.020	0.024	0.010	18.8	40.0
1,1,2,2-Tetrachloroethane-d2	0.259	0.283	0.010	9.3	30.0
1,2-Dichlorobenzene-d4	0.725	0.785	0.010	8.3	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3949.D
Acq On : 08/11/2010 2007
Sample : 0H12003-CAL3
Misc : VSTD0058K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 09:58:35 2010

Vial: 6
Operator: AC
Inst : F-5973
Multiplr: 1.00
Quant Results File: SOTF3949.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Mon Apr 26 17:15:04 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/12/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	169398	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.70	117	154437	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	85700	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	2.41	65	47759	5.0456 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 100.91%		
7) Chloroethane-d5	2.79	69	48574	6.7476 ug/L	-0.02
Spiked Amount 5.0000	Range 71 - 131		Recovery = 134.95%#		
10) 1,1-Dichloroethene-d2	3.54	63	83915	4.9883 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 99.77%		
20) 2-Butanone-d5	5.22	46	44660	40.3753 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 80.75%		
24) Chloroform-d	5.59	84	92806	5.0665 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 101.33%		
26) 1,2-Dichloroethane-d4	6.18	65	49684	4.7038 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 94.08%		
32) Benzene-d6	6.20	84	199272	5.1809 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 103.62%		
35) 1,2-Dichloropropane-d6	7.17	67	61806	4.9114 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 98.23%		
41) Toluene-d8	8.57	98	195101	5.1584 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 103.17%		
43) trans-1,3-Dichloropropene-	8.92	79	57879	5.0429 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 100.86%		
47) 2-Hexanone-d5	9.53	63	36626	47.9006 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 95.80%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	43742	5.4707 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 109.41%		
63) 1,2-Dichlorobenzene-d4	13.78	152	67308	4.7789 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 95.58%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.10	85	29734	7.6576 ug/L	96
3) Chloromethane	2.34	50	53817	4.4153 ug/L	98
5) Vinyl Chloride	2.41	62	62035	6.5087 ug/L	96
6) Bromomethane	2.76	94	57630	8.7202 ug/L	97
8) Chloroethane	2.83	64	45680	7.3502 ug/L	95
9) Trichlorofluoromethane	3.05	101	90441	7.6022 ug/L	98
11) 1,1-Dichloroethene	3.55	96	45516	5.6153 ug/L #	75
12) 1,1,2-Trichloro-1,2,2-trif	3.54	101	36625	6.1750 ug/L	85
13) Acetone	3.61	43	98052	46.3896 ug/L	97
14) Carbon Disulfide	3.79	76	147691	5.5454 ug/L	100
15) Methyl Acetate	3.91	43	26225	4.2822 ug/L	91
16) Methylene Chloride	4.01	84	50253	4.0331 ug/L #	78
17) trans-1,2-Dichloroethene	4.27	96	53989	5.3674 ug/L #	88
18) Methyl tert-Butyl Ether	4.26	73	101056	4.9490 ug/L	93
19) 1,1-Dichloroethane	4.69	63	90495	4.7104 ug/L	96
21) cis-1,2-Dichloroethene	5.28	96	59042	4.6811 ug/L	92
22) 2-Butanone	5.28	43	170199	44.9305 ug/L	89
23) Bromochloromethane	5.54	128	26764	5.0950 ug/L #	80

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

ORIGINAL COPY
Case: 40332 SDG: C0H46
Episode: 0012600 Int./Date: 08/17/10

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3949.D
Acq On : 08/11/2010 2007
Sample : 0H12003-CAL3
Misc : VSTD0058K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 09:58:35 2010

Vial: 6
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3949.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Mon Apr 26 17:15:04 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
25)	Chloroform	5.61	83	95708	5.2897	ug/L		98
27)	1,2-Dichloroethane	6.27	62	69756	5.3113	ug/L		99
29)	1,1,1-Trichloroethane	5.82	97	74632	6.4049	ug/L		99
30)	Cyclohexane	5.88	56	78440	5.6312	ug/L		90
31)	Carbon Tetrachloride	6.00	117	67029	6.0337	ug/L		97
33)	Benzene	6.24	78	230138	5.7400	ug/L		100
34)	Trichloroethene	6.98	95	57078	5.4660	ug/L		97
36)	Methylcyclohexane	7.22	83	110596	7.3185	ug/L	#	75
37)	1,2-Dichloropropane	7.28	63	51803	4.6013	ug/L		98
38)	Bromodichloromethane	7.62	83	67838	5.4496	ug/L		97
39)	cis-1,3-Dichloropropene	8.20	75	84749	5.2017	ug/L		99
40)	4-Methyl-2-Pentanone	8.40	43	392600	49.7878	ug/L		97
42)	Toluene	8.66	91	260380	5.4525	ug/L		99
44)	trans-1,3-Dichloropropene	8.97	75	73135	5.2460	ug/L		99
45)	1,1,2-Trichloroethane	9.24	97	41768	5.3928	ug/L		99
46)	Tetrachloroethene	9.44	164	53281	5.7697	ug/L		98
48)	2-Hexanone	9.60	43	277180	51.7507	ug/L		98
49)	Dibromochloromethane	9.83	129	49304	5.1411	ug/L		97
50)	1,2-Dibromoethane	10.01	107	40582	5.5027	ug/L		99
51)	Chlorobenzene	10.75	112	164597	5.2492	ug/L		98
52)	Ethylbenzene	10.90	91	290475	5.3908	ug/L		99
53)	m,p-Xylene	11.07	106	113271	5.2520	ug/L		98
54)	o-Xylene	11.60	106	106515	5.2594	ug/L		96
55)	Styrene	11.62	104	173091	5.0548	ug/L		96
56)	Isopropylbenzene	12.05	105	279551	5.1503	ug/L		98
58)	1,1,2,2-Tetrachloroethane	12.41	83	49694	5.8637	ug/L		96
60)	Bromoform	11.86	173	29716	4.8756	ug/L		96
61)	1,3-Dichlorobenzene	13.37	146	129538	4.6940	ug/L		99
62)	1,4-Dichlorobenzene	13.45	146	135544	4.7661	ug/L		99
64)	1,2-Dichlorobenzene	13.79	146	118551	4.8583	ug/L		100
65)	1,2-Dibromo-3-chloropropan	14.48	75	7200	5.2365	ug/L		93
66)	1,2,4-Trichlorobenzene	15.21	180	77089	4.4124	ug/L		99
67)	1,2,3-Trichlorobenzene	15.70	180	67680	4.5252	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

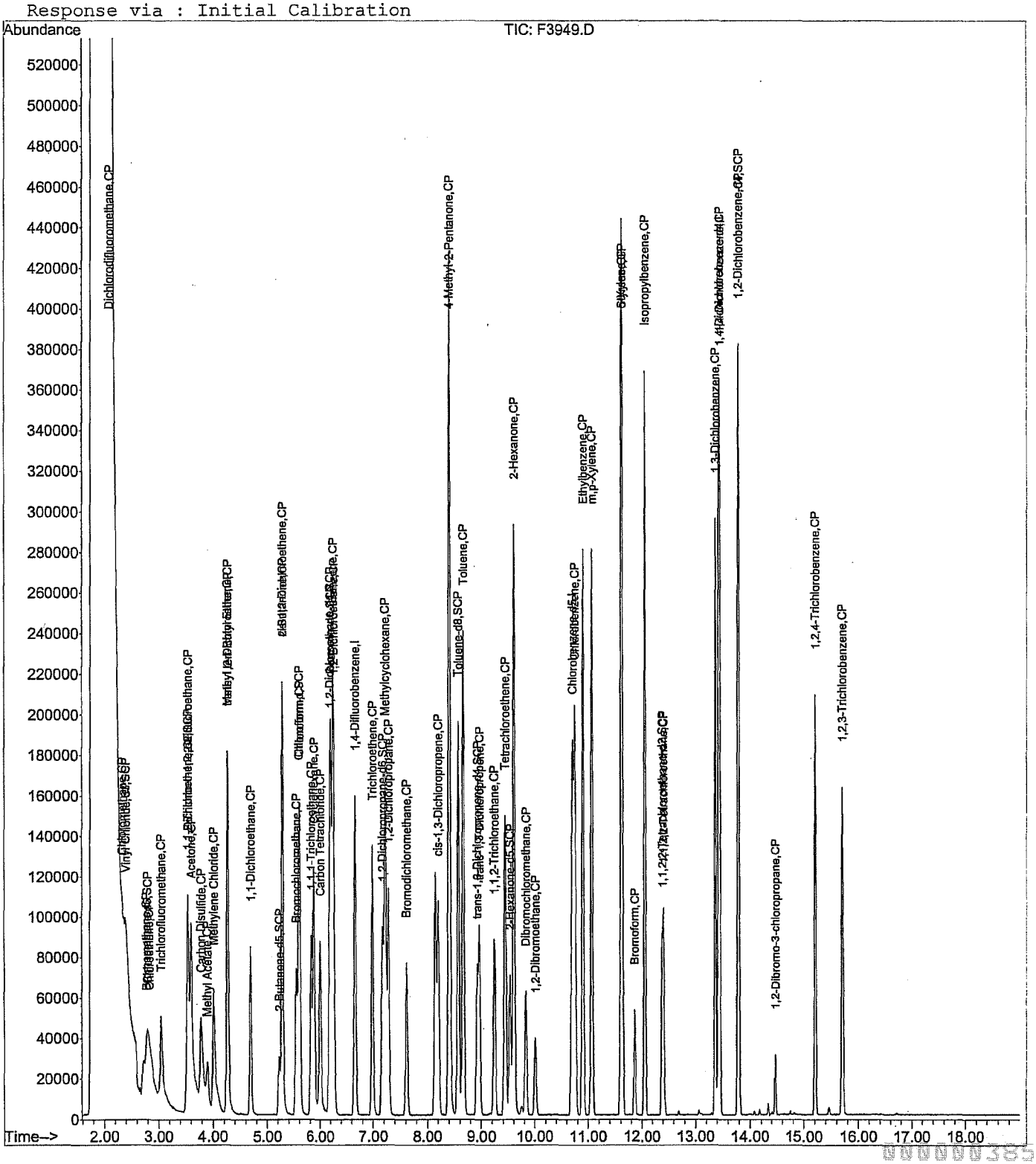
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3949.D
Acq On : 08/11/2010 2007
Sample : 0H12003-CAL3
Misc : VSTD0058K 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 9:58 2010

Vial: 6
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3949.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:14:57 2010
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\F3949.D
Acq On : 08/11/2010 2007
Sample : 0H12003-CAL3
Misc : VSTD0058K 25ML
MS Integration Params: RTEINT.P

Vial: 6
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 10:14:57 2010
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

8/12/10

8/17/10

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Difluorobenzene	1.00000	1.00000	0.00	100	0.00
2	CP	Dichlorodifluoromethane	0.15786	0.17553	11.19	100	0.00
3	CP	Chloromethane	0.30389	0.31770	4.54	100	0.00
4	SCP	Vinyl Chloride-d3	0.25094	0.28193	12.35	100	0.00
5	CP	Vinyl Chloride	0.34402	0.36621	6.45	100	0.00
6	CP	Bromomethane	0.25717	0.34020	32.29#	100	0.00
7	SCP	Chloroethane-d5	0.22845	0.28674	25.52	100	0.00
8	CP	Chloroethane	0.23186	0.26966	16.30	100	0.00
9	CP	Trichlorofluoromethane	0.48690	0.53390	9.65	100	0.00
10	SCP	1,1-Dichloroethene-d2	0.44438	0.49537	11.48	100	0.00
11	CP	1,1-Dichloroethene	0.23403	0.26869	14.81	100	0.00
12	CP	1,1,2-Trichloro-1,2,2-trifl	0.20378	0.21621	6.10	100	0.00
13	CP	Acetone	0.05294	0.05788	9.34	100	0.00
14	CP	Carbon Disulfide	0.83111	0.87186	4.90	100	0.00
15	CP	Methyl Acetate	0.13519	0.15481	14.52	100	0.00
16	CP	Methylene Chloride	0.27640	0.29666	7.33	100	0.00
17	CP	trans-1,2-Dichloroethene	0.29659	0.31871	7.46	100	0.00
18	CP	Methyl tert-Butyl Ether	0.53792	0.59656	10.90	100	0.00
19	CP	1,1-Dichloroethane	0.50162	0.53422	6.50	100	0.00
20	SCP	2-Butanone-d5	0.02278	0.02636	15.76	100	0.00
21	CP	cis-1,2-Dichloroethene	0.32497	0.34854	7.25	100	0.00
22	CP	2-Butanone	0.08761	0.10047	14.68	100	0.00
23	CP	Bromochloromethane	0.14418	0.15799	9.58	100	0.00
24	SCP	Chloroform-d	0.49601	0.54786	10.45	100	0.00
25	CP	Chloroform	0.53303	0.56499	6.00	100	0.00
26	SCP	1,2-Dichloroethane-d4	0.27656	0.29330	6.05	100	0.00
27	CP	1,2-Dichloroethane	0.37691	0.41179	9.25	100	0.00
28	I	Chlorobenzene-d5	1.00000	1.00000	0.00	100	0.00
29	CP	1,1,1-Trichloroethane	0.45685	0.48325	5.78	100	0.00
30	CP	Cyclohexane	0.45914	0.50791	10.62	100	0.00
31	CP	Carbon Tetrachloride	0.41056	0.43402	5.72	100	0.00
32	SCP	Benzene-d6	1.16845	1.29031	10.43	100	0.00
33	CP	Benzene	1.40627	1.49017	5.97	100	0.00
34	CP	Trichloroethene	0.35300	0.36959	4.70	100	0.00
35	SCP	1,2-Dichloropropane-d6	0.37787	0.40020	5.91	100	0.00
36	CP	Methylcyclohexane	0.65150	0.71612	9.92	100	0.00
37	CP	1,2-Dichloropropane	0.31351	0.33543	6.99	100	0.00
38	CP	Bromodichloromethane	0.41124	0.43926	6.81	100	0.00
39	CP	cis-1,3-Dichloropropene	0.50086	0.54876	9.56	100	0.00
40	CP	4-Methyl-2-Pentanone	0.21837	0.25421	16.41	100	0.00
41	SCP	Toluene-d8	1.13625	1.26330	11.18	100	0.00
42	CP	Toluene	1.57257	1.68599	7.21	100	0.00
43	SCP	trans-1,3-Dichloropropene-d	0.33979	0.37477	10.30	100	0.00
44	CP	trans-1,3-Dichloropropene	0.42622	0.47356	11.11	100	0.00
45	CP	1,1,2-Trichloroethane	0.24480	0.27045	10.48	100	0.00
46	CP	Tetrachloroethene	0.32828	0.34500	5.09	100	0.00
47	SCP	2-Hexanone-d5	0.01996	0.02372	18.84	100	0.00
48	CP	2-Hexanone	0.15147	0.17948	18.49	100	0.00
49	CP	Dibromochloromethane	0.29178	0.31925	9.41	100	0.00
50	CP	1,2-Dibromoethane	0.23402	0.26277	12.29	100	0.00
51	CP	Chlorobenzene	0.99452	1.06579	7.17	100	0.00
52	CP	Ethylbenzene	1.74573	1.88086	7.74	100	0.00
53	CP	m,p-Xylene	0.68162	0.73344	7.60	100	0.00

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54	CP	o-Xylene	0.63262	0.68970	9.02	100	0.00
55	CP	Styrene	1.02069	1.12079	9.81	100	0.00
56	CP	Isopropylbenzene	1.65863	1.81013	9.13	100	0.00
57	SCP	1,1,2,2-Tetrachloroethane-d	0.25917	0.28324	9.29	100	0.00
58	CP	1,1,2,2-Tetrachloroethane	0.28745	0.32178	11.94	100	0.00
59	I	1,4-Dichlorobenzene-d4	1.00000	1.00000	0.00	100	0.00
60	CP	Bromoform	0.31533	0.34674	9.96	100	0.00
61	CP	1,3-Dichlorobenzene	1.39613	1.51153	8.27	100	0.00
62	CP	1,4-Dichlorobenzene	1.47150	1.58161	7.48	100	0.00
63	SCP	1,2-Dichlorobenzene-d4	0.72518	0.78539	8.30	100	0.00
64	CP	1,2-Dichlorobenzene	1.27017	1.38333	8.91	100	0.00
65	CP	1,2-Dibromo-3-chloropropane	0.07110	0.08401	18.17	100	0.00
66	CP	1,2,4-Trichlorobenzene	0.83206	0.89952	8.11	100	0.00
67	CP	1,2,3-Trichlorobenzene	0.71642	0.78973	10.23	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1
F3949.D SOTF3949.M Thu Aug 12 10:53:11 2010

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: H-5975 Calibration Date: 08/12/2010 Time: 1203

Lab File ID: H2758.D Init. Calib. Date(s): 08/12/2010 08/12/2010

EPA Sample No.(VSTD#####): VSTD0055P Init. Calib. Time(s): 1203 1441

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.071	0.059	0.010	-16.5	40.0
Chloromethane	0.170	0.189	0.010	10.9	40.0
Vinyl chloride	0.098	0.097	0.100	-0.7	30.0
Bromomethane	0.062	0.064	0.100	3.4	30.0
Chloroethane	0.065	0.065	0.010	0.0	40.0
Trichlorofluoromethane	0.248	0.232	0.010	-6.3	40.0
1,1-Dichloroethene	0.194	0.186	0.100	-4.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.114	0.101	0.010	-11.4	40.0
Acetone	0.067	0.062	0.010	-7.3	40.0
Carbon disulfide	0.613	0.587	0.010	-4.3	40.0
Methyl acetate	0.169	0.151	0.010	-10.3	40.0
Methylene chloride	0.212	0.215	0.010	1.2	40.0
trans-1,2-Dichloroethene	0.274	0.259	0.010	-5.4	40.0
Methyl tert-butyl ether	0.174	0.154	0.010	-11.4	40.0
1,1-Dichloroethane	0.670	0.646	0.200	-3.7	30.0
cis-1,2-Dichloroethene	0.298	0.288	0.010	-3.4	40.0
2-Butanone	0.107	0.100	0.010	-6.6	40.0
Bromochloromethane	0.123	0.119	0.050	-3.9	30.0
Chloroform	0.602	0.587	0.200	-2.4	30.0
1,1,1-Trichloroethane	0.524	0.512	0.100	-2.4	30.0
Cyclohexane	0.650	0.633	0.010	-2.7	40.0
Carbon tetrachloride	0.381	0.373	0.100	-2.2	30.0
Benzene	1.377	1.374	0.400	-0.2	30.0
1,2-Dichloroethane	0.514	0.502	0.100	-2.3	30.0
Trichloroethene	0.350	0.346	0.300	-1.2	30.0
Methylcyclohexane	0.524	0.471	0.010	-10.1	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: H-5975 Calibration Date: 08/12/2010 Time: 1203

Lab File ID: H2758.D Init. Calib. Date(s): 08/12/2010 08/12/2010

EPA Sample No.(VSTD#####): VSTD0055P Init. Calib. Time(s): 1203 1441

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.398	0.388	0.010	-2.5	40.0
Bromodichloromethane	0.445	0.450	0.200	1.2	30.0
cis-1,3-Dichloropropene	0.483	0.487	0.200	0.7	30.0
4-Methyl-2-pentanone	0.285	0.268	0.010	-6.1	40.0
Toluene	1.443	1.404	0.400	-2.7	30.0
trans-1,3-Dichloropropene	0.439	0.446	0.100	1.5	30.0
1,1,2-Trichloroethane	0.221	0.211	0.100	-4.4	30.0
Tetrachloroethene	0.255	0.241	0.100	-5.4	30.0
2-Hexanone	0.194	0.182	0.010	-6.1	40.0
Dibromochloromethane	0.239	0.244	0.100	2.4	30.0
1,2-Dibromoethane	0.218	0.210	0.010	-3.5	40.0
Chlorobenzene	0.902	0.876	0.500	-2.9	30.0
Ethylbenzene	1.725	1.643	0.100	-4.7	30.0
o-Xylene	0.628	0.603	0.300	-3.9	30.0
m,p-Xylene	0.536	0.509	0.300	-5.0	30.0
Styrene	0.700	0.658	0.300	-6.0	30.0
Bromoform	0.193	0.194	0.050	0.5	30.0
Isopropylbenzene	1.651	1.616	0.010	-2.2	40.0
1,1,2,2-Tetrachloroethane	0.253	0.241	0.100	-4.4	30.0
1,3-Dichlorobenzene	1.390	1.302	0.400	-6.3	30.0
1,4-Dichlorobenzene	1.442	1.350	0.400	-6.4	30.0
1,2-Dichlorobenzene	1.242	1.168	0.400	-6.0	30.0
1,2-Dibromo-3-chloropropane	0.081	0.079	0.010	-2.4	40.0
1,2,4-Trichlorobenzene	0.856	0.735	0.200	-14.1	30.0
1,2,3-Trichlorobenzene	0.770	0.618	0.200	-19.7	30.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: H-5975 Calibration Date: 08/12/2010 Time: 1203

Lab File ID: H2758.D Init. Calib. Date(s): 08/12/2010 08/12/2010

EPA Sample No.(VSTD#####): VSTD0055P Init. Calib. Time(s): 1203 1441

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.068	0.063	0.010	-6.9	30.0
Chloroethane-d5	0.050	0.051	0.010	1.9	40.0
1,1-Dichloroethene-d2	0.592	0.546	0.010	-7.8	30.0
2-Butanone-d5	0.065	0.065	0.010	0.5	40.0
Chloroform-d	0.647	0.591	0.010	-8.8	30.0
1,2-Dichloroethane-d4	0.412	0.377	0.010	-8.6	30.0
Benzene-d6	1.349	1.318	0.010	-2.3	30.0
1,2-Dichloropropane-d6	0.402	0.378	0.010	-6.0	40.0
Toluene-d8	1.239	1.186	0.010	-4.3	30.0
trans-1,3-Dichloropropene-d4	0.414	0.401	0.010	-3.0	30.0
2-Hexanone-d5	0.021	0.020	0.010	-4.1	40.0
1,1,2,2-Tetrachloroethane-d2	0.250	0.233	0.010	-7.1	30.0
1,2-Dichlorobenzene-d4	0.806	0.729	0.010	-9.5	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2758.D
Acq On : 08/12/2010 1203
Sample : 0H12006-CAL3
Misc : VSTD0055P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 13:51:32 2010

Vial: 3
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Sat Aug 07 09:59:40 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	244749	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	212277	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	111146	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	15378	5.1904 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 103.81%		
7) Chloroethane-d5	1.84	69	12475	5.2753 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 105.51%		
10) 1,1-Dichloroethene-d2	2.48	63	133641	4.7119 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 94.24%		
20) 2-Butanone-d5	4.03	46	159978	85.7289 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 171.46%#		
24) Chloroform-d	4.39	84	144582	4.5544 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 91.09%		
26) 1,2-Dichloroethane-d4	4.92	65	92221	4.5813 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 91.63%		
32) Benzene-d6	4.94	84	279705	4.6955 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 93.91%		
35) 1,2-Dichloropropane-d6	5.88	67	80244	4.4046 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 88.09%		
41) Toluene-d8	7.27	98	251828	4.6215 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 92.43%		
43) trans-1,3-Dichloropropene-	7.63	79	85145	4.5675 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 91.35%		
47) 2-Hexanone-d5	8.24	63	41926	35.9571 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 71.91%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	49357	3.9114 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 78.23%		
63) 1,2-Dichlorobenzene-d4	13.28	152	81079	4.4293 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 88.59%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.28	85	14560	3.5800 ug/L	97
3) Chloromethane	1.42	50	46250	4.9686 ug/L	96
5) Vinyl Chloride	1.51	62	23727	4.0649 ug/L	86
6) Bromomethane	1.78	94	15593	4.2557 ug/L	94
8) Chloroethane	1.86	64	15813	4.4043 ug/L	89
9) Trichlorofluoromethane	2.07	101	56850	4.1556 ug/L	88
11) 1,1-Dichloroethene	2.50	96	45476	3.8466 ug/L #	83
12) 1,1,2-Trichloro-1,2,2-trif	2.51	101	24693	3.8380 ug/L	93
13) Acetone	2.54	43	151198	37.1079 ug/L	99
14) Carbon Disulfide	2.67	76	143594	3.7542 ug/L	100
15) Methyl Acetate	2.82	43	37069	3.4739 ug/L	97
16) Methylene Chloride	2.90	84	52607	4.0293 ug/L	97
17) trans-1,2-Dichloroethene	3.15	96	63370	3.7557 ug/L	96
18) Methyl tert-Butyl Ether	3.15	73	37728	3.4236 ug/L	98
19) 1,1-Dichloroethane	3.52	63	158062	3.8881 ug/L	99
21) cis-1,2-Dichloroethene	4.08	96	70563	3.7940 ug/L	99
22) 2-Butanone	4.09	43	243919	35.4256 ug/L	99
23) Bromochloromethane	4.31	128	29013	4.5713 ug/L	91

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

ORIGINAL COPY
Case: 40415 SDG: F3L04
Episode: 0012601 Int./Date: 08/14/10

000000391

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2758.D
Acq On : 08/12/2010 1203
Sample : 0H12006-CAL3
Misc : VSTD0055P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 13:51:32 2010

Vial: 3
Operator: AC
Inst : H-5975
Multiplr: 1.00
Quant Results File: SOTH2758.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Sat Aug 07 09:59:40 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	Chloroform	4.41	83	143767	4.0030	ug/L	97
27)	1,2-Dichloroethane	5.00	62	122848	3.9575	ug/L	99
29)	1,1,1-Trichloroethane	4.59	97	108677	4.0138	ug/L	96
30)	Cyclohexane	4.66	56	134269	4.0118	ug/L	93
31)	Carbon Tetrachloride	4.77	117	79132	4.0453	ug/L	98
33)	Benzene	4.99	78	291755	4.0025	ug/L	100
34)	Trichloroethene	5.73	95	73472	3.9753	ug/L	98
36)	Methylcyclohexane	5.96	83	99922	3.4057	ug/L	94
37)	1,2-Dichloropropane	5.98	63	82463	3.9011	ug/L	95
38)	Bromodichloromethane	6.33	83	95529	4.1290	ug/L	100
39)	cis-1,3-Dichloropropene	6.91	75	103377	4.0104	ug/L	99
40)	4-Methyl-2-Pentanone	7.13	43	568617	36.1265	ug/L	97
42)	Toluene	7.36	91	297999	3.8142	ug/L	100
44)	trans-1,3-Dichloropropene	7.67	75	94695	4.0698	ug/L	97
45)	1,1,2-Trichloroethane	7.91	97	44787	3.7315	ug/L	99
46)	Tetrachloroethene	8.12	164	51096	3.7249	ug/L	98
48)	2-Hexanone	8.31	43	385878	35.3966	ug/L	98
49)	Dibromochloromethane	8.47	129	51893	4.3277	ug/L	100
50)	1,2-Dibromoethane	8.61	107	44677	3.7117	ug/L	97
51)	Chlorobenzene	9.37	112	185896	3.8298	ug/L	98
52)	Ethylbenzene	9.57	91	348876	3.8609	ug/L	100
53)	m,p-Xylene	9.57	106	107991	3.7739	ug/L	99
54)	o-Xylene	10.38	106	128099	3.9245	ug/L	100
55)	Styrene	10.41	104	139753	2.8146	ug/L	92
56)	Isopropylbenzene	11.00	105	342958	3.8682	ug/L	99
58)	1,1,2,2-Tetrachloroethane	11.51	83	51263	3.6062	ug/L	99
60)	Bromoform	10.65	173	21608	3.6078	ug/L	93
61)	1,3-Dichlorobenzene	12.79	146	144744	3.8066	ug/L	99
62)	1,4-Dichlorobenzene	12.90	146	150032	3.8316	ug/L	98
64)	1,2-Dichlorobenzene	13.30	146	129796	3.7986	ug/L	99
65)	1,2-Dibromo-3-chloropropan	14.06	75	8807	3.5357	ug/L	87
66)	1,2,4-Trichlorobenzene	14.78	180	81658	3.5665	ug/L	98
67)	1,2,3-Trichlorobenzene	15.16	180	68741	3.4182	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

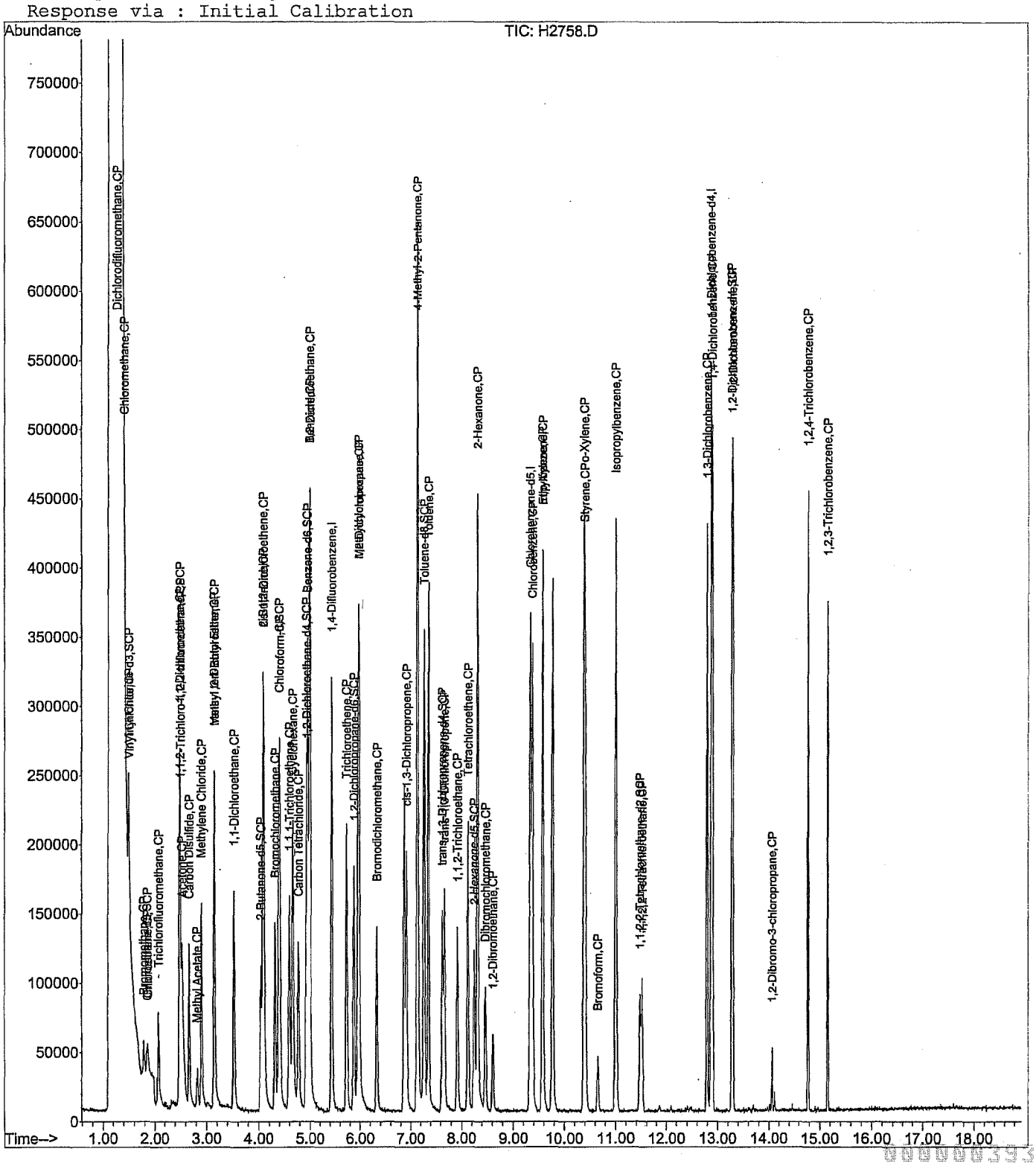
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2758.D
Acq On : 08/12/2010 1203
Sample : 0H12006-CAL3
Misc : VSTD0055P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 13:51 2010

Vial: 3
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2758.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 15:03:18 2010
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\H2758.D
Acq On : 08/12/2010 1203
Sample : 0H12006-CAL3
Misc : VSTD0055P 25ML
MS Integration Params: RTEINT.P

Vial: 3
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 15:03:18 2010
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

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		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Difluorobenzene	1.00000	1.00000	0.00	100	0.00
2	CP	Dichlorodifluoromethane	0.07126	0.05949	-16.52	100	0.00
3	CP	Chloromethane	0.17040	0.18897	10.90	100	0.00
4	SCP	Vinyl Chloride-d3	0.06752	0.06283	-6.94	100	0.00
5	CP	Vinyl Chloride	0.09765	0.09694#	-0.73	100	0.00
6	CP	Bromomethane	0.06160	0.06371#	3.43	100	0.00
7	SCP	Chloroethane-d5	0.05002	0.05097	1.89	100	0.00
8	CP	Chloroethane	0.06463	0.06461	-0.03	100	0.00
9	CP	Trichlorofluoromethane	0.24793	0.23228	-6.31	100	0.00
10	SCP	1,1-Dichloroethene-d2	0.59234	0.54603	-7.82	100	0.00
11	CP	1,1-Dichloroethene	0.19360	0.18581	-4.03	100	0.00
12	CP	1,1,2-Trichloro-1,2,2-trifl	0.11385	0.10089	-11.38	100	0.00
13	CP	Acetone	0.06662	0.06178	-7.28	100	0.00
14	CP	Carbon Disulfide	0.61321	0.58670	-4.32	100	0.00
15	CP	Methyl Acetate	0.16877	0.15146	-10.26	100	0.00
16	CP	Methylene Chloride	0.21233	0.21494	1.23	100	0.00
17	CP	trans-1,2-Dichloroethene	0.27356	0.25892	-5.35	100	0.00
18	CP	Methyl tert-Butyl Ether	0.17393	0.15415	-11.37	100	0.00
19	CP	1,1-Dichloroethane	0.67046	0.64581	-3.68	100	0.00
20	SCP	2-Butanone-d5	0.06503	0.06536	0.52	100	0.00
21	CP	cis-1,2-Dichloroethene	0.29847	0.28831	-3.41	100	0.00
22	CP	2-Butanone	0.10674	0.09966	-6.63	100	0.00
23	CP	Bromochloromethane	0.12335	0.11854	-3.90	100	0.00
24	SCP	Chloroform-d	0.64743	0.59074	-8.76	100	0.00
25	CP	Chloroform	0.60168	0.58741	-2.37	100	0.00
26	SCP	1,2-Dichloroethane-d4	0.41232	0.37680	-8.61	100	0.00
27	CP	1,2-Dichloroethane	0.51395	0.50193	-2.34	100	0.00
28	I	Chlorobenzene-d5	1.00000	1.00000	0.00	100	0.00
29	CP	1,1,1-Trichloroethane	0.52442	0.51196	-2.38	100	0.00
30	CP	Cyclohexane	0.65003	0.63252	-2.69	100	0.00
31	CP	Carbon Tetrachloride	0.38125	0.37278	-2.22	100	0.00
32	SCP	Benzene-d6	1.34884	1.31764	-2.31	100	0.00
33	CP	Benzene	1.37728	1.37441	-0.21	100	0.00
34	CP	Trichloroethene	0.35015	0.34611	-1.15	100	0.00
35	SCP	1,2-Dichloropropane-d6	0.40219	0.37802	-6.01	100	0.00
36	CP	Methylcyclohexane	0.52369	0.47072	-10.12	100	0.00
37	CP	1,2-Dichloropropane	0.39831	0.38847	-2.47	100	0.00
38	CP	Bromodichloromethane	0.44461	0.45002	1.22	100	0.00
39	CP	cis-1,3-Dichloropropene	0.48347	0.48699	0.73	100	0.00
40	CP	4-Methyl-2-Pentanone	0.28532	0.26787	-6.12	100	0.00
41	SCP	Toluene-d8	1.23900	1.18632	-4.25	100	0.00
42	CP	Toluene	1.44288	1.40382	-2.71	100	0.00
43	SCP	trans-1,3-Dichloropropene-d	0.41353	0.40110	-3.01	100	0.00
44	CP	trans-1,3-Dichloropropene	0.43932	0.44609	1.54	100	0.00
45	CP	1,1,2-Trichloroethane	0.22081	0.21098	-4.45	100	0.00
46	CP	Tetrachloroethene	0.25458	0.24070	-5.45	100	0.00
47	SCP	2-Hexanone-d5	0.02058	0.01975	-4.05	100	0.00
48	CP	2-Hexanone	0.19358	0.18178	-6.10	100	0.00
49	CP	Dibromochloromethane	0.23876	0.24446	2.39	100	0.00
50	CP	1,2-Dibromoethane	0.21804	0.21047	-3.47	100	0.00
51	CP	Chlorobenzene	0.90157	0.87572	-2.87	100	0.00
52	CP	Ethylbenzene	1.72535	1.64349	-4.74	100	0.00
53	CP	m,p-Xylene	0.53571	0.50873	-5.04	100	0.00

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54	CP	o-Xylene	0.62763	0.60345	-3.85	100	0.00
55	CP	Styrene	0.70045	0.65835	-6.01	100	0.00
56	CP	Isopropylbenzene	1.65138	1.61562	-2.17	100	0.00
57	SCP	1,1,2,2-Tetrachloroethane-d	0.25023	0.23251	-7.08	100	0.00
58	CP	1,1,2,2-Tetrachloroethane	0.25267	0.24149	-4.42	100	0.00
59	I	1,4-Dichlorobenzene-d4	1.00000	1.00000	0.00	100	0.00
60	CP	Bromoform	0.19344	0.19441	0.50	100	0.00
61	CP	1,3-Dichlorobenzene	1.39032	1.30229	-6.33	100	0.00
62	CP	1,4-Dichlorobenzene	1.44194	1.34986	-6.39	100	0.00
63	SCP	1,2-Dichlorobenzene-d4	0.80626	0.72948	-9.52	100	0.00
64	CP	1,2-Dichlorobenzene	1.24177	1.16780	-5.96	100	0.00
65	CP	1,2-Dibromo-3-chloropropane	0.08118	0.07924	-2.40	100	0.00
66	CP	1,2,4-Trichlorobenzene	0.85551	0.73469	-14.12	100	0.00
67	CP	1,2,3-Trichlorobenzene	0.77022	0.61847	-19.70	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0
H2758.D SOTH2758.M Thu Aug 12 15:04:40 2010

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: H-5975 Calibration Date: 08/12/2010 Time: 1854

Lab File ID: H2771.D Init. Calib. Date(s): 08/12/2010 08/12/2010

EPA Sample No.(VSTD#####): VSTD0055Q Init. Calib. Time(s): 1203 1441

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.071	0.093	0.010	29.9	40.0
Chloromethane	0.170	0.143	0.010	-16.0	40.0
Vinyl chloride	0.098	0.113	0.100	15.4	30.0
Bromomethane	0.062	0.061	0.100	-0.2	30.0
Chloroethane	0.065	0.073	0.010	13.1	40.0
Trichlorofluoromethane	0.248	0.259	0.010	4.3	40.0
1,1-Dichloroethene	0.194	0.211	0.100	9.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.114	0.107	0.010	-5.7	40.0
Acetone	0.067	0.080	0.010	20.3	40.0
Carbon disulfide	0.613	0.613	0.010	-0.1	40.0
Methyl acetate	0.169	0.212	0.010	25.8	40.0
Methylene chloride	0.212	0.209	0.010	-1.6	40.0
trans-1,2-Dichloroethene	0.274	0.298	0.010	8.9	40.0
Methyl tert-butyl ether	0.174	0.181	0.010	4.1	40.0
1,1-Dichloroethane	0.670	0.709	0.200	5.7	30.0
cis-1,2-Dichloroethene	0.298	0.317	0.010	6.3	40.0
2-Butanone	0.107	0.135	0.010	26.0	40.0
Bromochloromethane	0.123	0.125	0.050	1.4	30.0
Chloroform	0.602	0.643	0.200	6.8	30.0
1,1,1-Trichloroethane	0.524	0.566	0.100	7.8	30.0
Cyclohexane	0.650	0.657	0.010	1.1	40.0
Carbon tetrachloride	0.381	0.405	0.100	6.3	30.0
Benzene	1.377	1.434	0.400	4.1	30.0
1,2-Dichloroethane	0.514	0.572	0.100	11.2	30.0
Trichloroethene	0.350	0.366	0.300	4.5	30.0
Methylcyclohexane	0.524	0.582	0.010	11.1	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: H-5975 Calibration Date: 08/12/2010 Time: 1854

Lab File ID: H2771.D Init. Calib. Date(s): 08/12/2010 08/12/2010

EPA Sample No.(VSTD#####): VSTD0055Q Init. Calib. Time(s): 1203 1441

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.398	0.410	0.010	3.0	40.0
Bromodichloromethane	0.445	0.479	0.200	7.8	30.0
cis-1,3-Dichloropropene	0.483	0.536	0.200	10.8	30.0
4-Methyl-2-pentanone	0.285	0.368	0.010	29.1	40.0
Toluene	1.443	1.528	0.400	5.9	30.0
trans-1,3-Dichloropropene	0.439	0.501	0.100	14.0	30.0
1,1,2-Trichloroethane	0.221	0.246	0.100	11.5	30.0
Tetrachloroethene	0.255	0.280	0.100	10.0	30.0
2-Hexanone	0.194	0.250	0.010	29.4	40.0
Dibromochloromethane	0.239	0.267	0.100	11.7	30.0
1,2-Dibromoethane	0.218	0.249	0.010	14.1	40.0
Chlorobenzene	0.902	0.938	0.500	4.0	30.0
Ethylbenzene	1.725	1.814	0.100	5.2	30.0
o-Xylene	0.628	0.652	0.300	3.9	30.0
m,p-Xylene	0.536	0.561	0.300	4.8	30.0
Styrene	0.700	0.828	0.300	18.2	30.0
Bromoform	0.193	0.238	0.050	23.0	30.0
Isopropylbenzene	1.651	1.823	0.010	10.4	40.0
1,1,2,2-Tetrachloroethane	0.253	0.311	0.100	23.0	30.0
1,3-Dichlorobenzene	1.390	1.397	0.400	0.5	30.0
1,4-Dichlorobenzene	1.442	1.440	0.400	-0.2	30.0
1,2-Dichlorobenzene	1.242	1.265	0.400	1.9	30.0
1,2-Dibromo-3-chloropropane	0.081	0.105	0.010	29.8	40.0
1,2,4-Trichlorobenzene	0.856	0.797	0.200	-6.9	30.0
1,2,3-Trichlorobenzene	0.770	0.682	0.200	-11.4	30.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: H-5975 Calibration Date: 08/12/2010 Time: 1854

Lab File ID: H2771.D Init. Calib. Date(s): 08/12/2010 08/12/2010

EPA Sample No.(VSTD#####): VSTD0055Q Init. Calib. Time(s): 1203 1441

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.068	0.063	0.010	-6.2	30.0
Chloroethane-d5	0.050	0.050	0.010	-0.3	40.0
1,1-Dichloroethene-d2	0.592	0.572	0.010	-3.5	30.0
2-Butanone-d5	0.065	0.082	0.010	25.8	40.0
Chloroform-d	0.647	0.669	0.010	3.4	30.0
1,2-Dichloroethane-d4	0.412	0.436	0.010	5.7	30.0
Benzene-d6	1.349	1.306	0.010	-3.2	30.0
1,2-Dichloropropane-d6	0.402	0.394	0.010	-2.0	40.0
Toluene-d8	1.239	1.224	0.010	-1.2	30.0
trans-1,3-Dichloropropene-d4	0.414	0.444	0.010	7.3	30.0
2-Hexanone-d5	0.021	0.027	0.010	31.9	40.0
1,1,2,2-Tetrachloroethane-d2	0.250	0.294	0.010	17.4	30.0
1,2-Dichlorobenzene-d4	0.806	0.769	0.010	-4.6	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2771.D
Acq On : 08/12/2010 1854
Sample : 0H12006-CCV1
Misc : VSTD0055Q 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 19:19:09 2010

Vial: 18
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 15:03:18 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	214437	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	193458	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	102848	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	13578	4.6890 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 93.78%		
7) Chloroethane-d5	1.84	69	10693	4.9842 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 99.68%		
10) 1,1-Dichloroethene-d2	2.48	63	122580	4.8253 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 96.51%		
20) 2-Butanone-d5	4.04	46	175372	62.8817 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 125.76%		
24) Chloroform-d	4.39	84	143521	5.1688 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 103.38%		
26) 1,2-Dichloroethane-d4	4.91	65	93489	5.2869 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 105.74%		
32) Benzene-d6	4.95	84	252608	4.8403 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 96.81%		
35) 1,2-Dichloropropane-d6	5.88	67	76259	4.9006 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 98.01%		
41) Toluene-d8	7.27	98	236786	4.9393 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 98.79%		
43) trans-1,3-Dichloropropene-	7.63	79	85832	5.3644 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 107.29%		
47) 2-Hexanone-d5	8.24	63	52524	65.9483 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 131.90%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	56837	5.8704 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 117.41%		
63) 1,2-Dichlorobenzene-d4	13.28	152	79127	4.7712 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 95.42%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.28	85	19850	6.4951 ug/L	96
3) Chloromethane	1.42	50	30676	4.1976 ug/L	100
5) Vinyl Chloride	1.52	62	24161	5.7690 ug/L	90
6) Bromomethane	1.78	94	13178	4.9883 ug/L	99
8) Chloroethane	1.87	64	15670	5.6537 ug/L	95
9) Trichlorofluoromethane	2.08	101	55451	5.2150 ug/L	98
11) 1,1-Dichloroethene	2.50	96	45321	5.4584 ug/L #	91
12) 1,1,2-Trichloro-1,2,2-trif	2.51	101	23016	4.7137 ug/L	92
13) Acetone	2.54	43	171807	60.1287 ug/L	98
14) Carbon Disulfide	2.67	76	131373	4.9954 ug/L	98
15) Methyl Acetate	2.82	43	45512	6.2880 ug/L	96
16) Methylene Chloride	2.90	84	44805	4.9203 ug/L	92
17) trans-1,2-Dichloroethene	3.15	96	63893	5.4460 ug/L	97
18) Methyl tert-Butyl Ether	3.16	73	38841	5.2070 ug/L	100
19) 1,1-Dichloroethane	3.53	63	151955	5.2846 ug/L	98
21) cis-1,2-Dichloroethene	4.08	96	68065	5.3173 ug/L	98
22) 2-Butanone	4.10	43	288429	63.0078 ug/L	97
23) Bromochloromethane	4.32	128	26815	5.0690 ug/L #	88

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

ORIGINAL COPY
Case: 40415 SDG: F3U04
Episode: 00 12601 Int./Date: 08/17/10

00000399

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2771.D
Acq On : 08/12/2010 1854
Sample : 0H12006-CCV1
Misc : VSTD0055Q 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 19:19:09 2010

Vial: 18
Operator: AC
Inst : H-5975
Multiplr: 1.00
Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 15:03:18 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
25)	Chloroform	4.41	83	137822	5.3410 ug/L		97
27)	1,2-Dichloroethane	5.00	62	122598	5.5621 ug/L		100
29)	1,1,1-Trichloroethane	4.60	97	109410	5.3921 ug/L		97
30)	Cyclohexane	4.66	56	127196	5.0574 ug/L		98
31)	Carbon Tetrachloride	4.78	117	78405	5.3151 ug/L		99
33)	Benzene	4.99	78	277335	5.2043 ug/L		100
34)	Trichloroethene	5.73	95	70793	5.2254 ug/L		95
36)	Methylcyclohexane	5.97	83	112597	5.5570 ug/L		97
37)	1,2-Dichloropropane	5.99	63	79361	5.1496 ug/L		96
38)	Bromodichloromethane	6.33	83	92762	5.3923 ug/L		98
39)	cis-1,3-Dichloropropene	6.91	75	103648	5.5408 ug/L		99
40)	4-Methyl-2-Pentanone	7.13	43	712527	64.5441 ug/L		99
42)	Toluene	7.36	91	295580	5.2946 ug/L		99
44)	trans-1,3-Dichloropropene	7.67	75	96863	5.6985 ug/L		95
45)	1,1,2-Trichloroethane	7.92	97	47643	5.5766 ug/L		98
46)	Tetrachloroethene	8.12	164	54175	5.5000 ug/L		99
48)	2-Hexanone	8.31	43	484522	64.6888 ug/L		98
49)	Dibromochloromethane	8.47	129	51579	5.5835 ug/L		99
50)	1,2-Dibromoethane	8.62	107	48112	5.7029 ug/L		100
51)	Chlorobenzene	9.37	112	181458	5.2019 ug/L		99
52)	Ethylbenzene	9.58	91	350974	5.2575 ug/L		100
53)	m,p-Xylene	9.58	106	108599	5.2394 ug/L		100
54)	o-Xylene	10.39	106	126179	5.1960 ug/L		98
55)	Styrene	10.41	104	160105	5.9076 ug/L		98
56)	Isopropylbenzene	11.01	105	352718	5.5203 ug/L		100
58)	1,1,2,2-Tetrachloroethane	11.51	83	60113	6.1489 ug/L		95
60)	Bromoform	10.65	173	24465	6.1486 ug/L	#	31
61)	1,3-Dichlorobenzene	12.79	146	143653	5.0231 ug/L		99
62)	1,4-Dichlorobenzene	12.90	146	148073	4.9923 ug/L		99
64)	1,2-Dichlorobenzene	13.30	146	130118	5.0941 ug/L		99
65)	1,2-Dibromo-3-chloropropan	14.06	75	10838	6.4901 ug/L		92
66)	1,2,4-Trichlorobenzene	14.78	180	81948	4.6568 ug/L		98
67)	1,2,3-Trichlorobenzene	15.16	180	70190	4.4303 ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

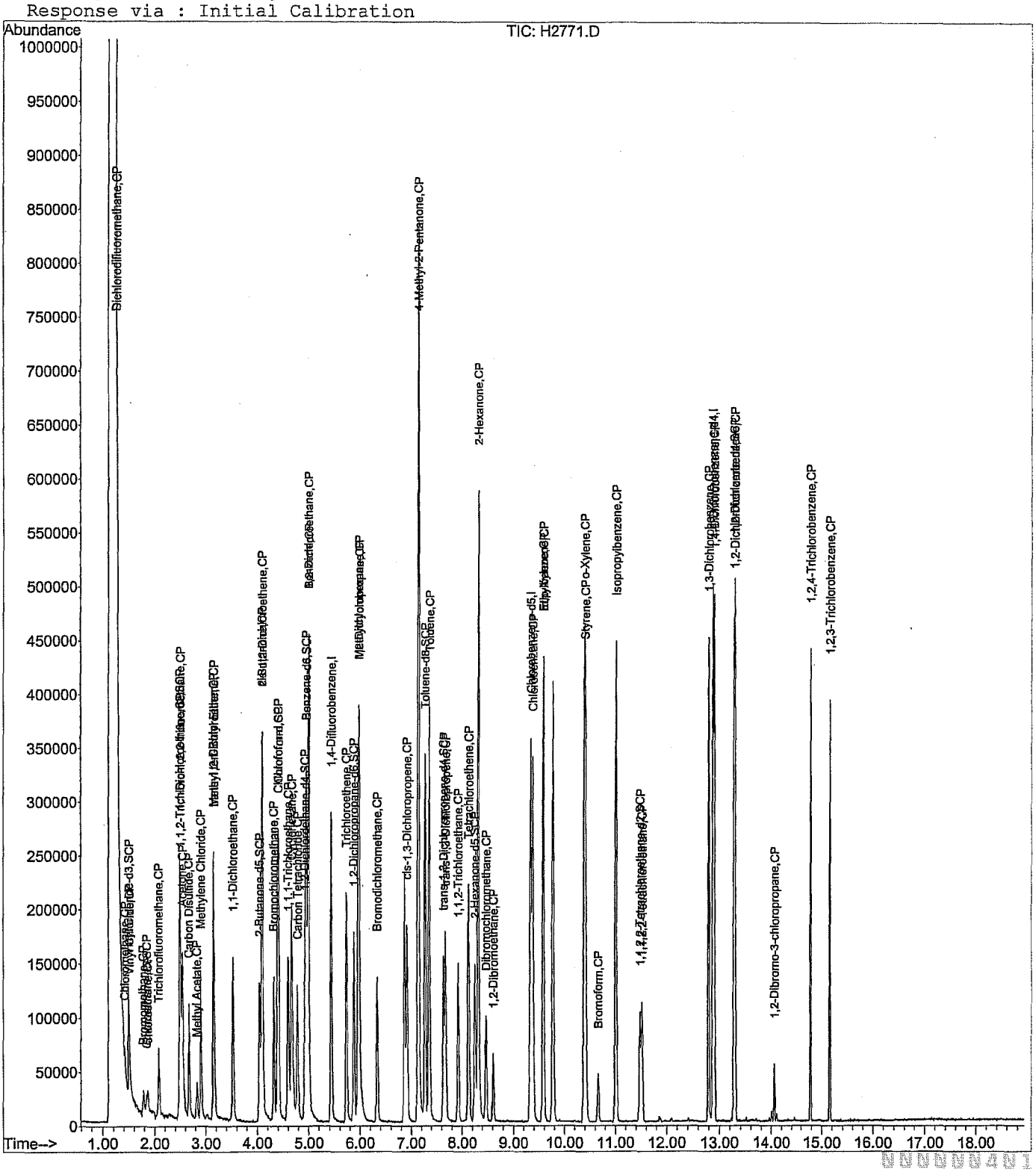
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2771.D
Acq On : 08/12/2010 1854
Sample : 0H12006-CCV1
Misc : VSTD0055Q 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 12 19:19 2010

Vial: 18
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\H2771.D
Acq On : 08/12/2010 1854
Sample : 0H12006-CCV1
Misc : VSTD0055Q 25ML
MS Integration Params: RTEINT.P

Vial: 18
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Multiple Level Calibration

Dm 8/16/10

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Difluorobenzene	1.00000	1.00000	0.00	88	0.00
2	CP	Dichlorodifluoromethane	0.07126	0.09257	29.90	136	0.00
3	CP	Chloromethane	0.17040	0.14305	-16.05	66	0.00
4	SCP	Vinyl Chloride-d3	0.06752	0.06332	-6.22	88	0.00
5	CP	Vinyl Chloride	0.09765	0.11267	15.38	102	0.00
6	CP	Bromomethane	0.06160	0.06145#	-0.23	85	0.00
7	SCP	Chloroethane-d5	0.05002	0.04987	-0.32	86	0.00
8	CP	Chloroethane	0.06463	0.07308	13.07	99	0.00
9	CP	Trichlorofluoromethane	0.24793	0.25859	4.30	98	0.00
10	SCP	1,1-Dichloroethene-d2	0.59234	0.57164	-3.49	92	0.00
11	CP	1,1-Dichloroethene	0.19360	0.21135	9.17	100	0.00
12	CP	1,1,2-Trichloro-1,2,2-trifl	0.11385	0.10733	-5.73	93	0.00
13	CP	Acetone	0.06662	0.08012	20.26	114	0.00
14	CP	Carbon Disulfide	0.61321	0.61264	-0.09	91	0.00
15	CP	Methyl Acetate	0.16877	0.21224	25.76	123	0.00
16	CP	Methylene Chloride	0.21233	0.20894	-1.59	85	0.00
17	CP	trans-1,2-Dichloroethene	0.27356	0.29796	8.92	101	0.00
18	CP	Methyl tert-Butyl Ether	0.17393	0.18113	4.14	103	0.00
19	CP	1,1-Dichloroethane	0.67046	0.70862	5.69	96	0.00
20	SCP	2-Butanone-d5	0.06503	0.08178	25.76	110	0.00
21	CP	cis-1,2-Dichloroethene	0.29847	0.31741	6.35	96	0.00
22	CP	2-Butanone	0.10674	0.13451	26.02	118	0.00
23	CP	Bromochloromethane	0.12335	0.12505	1.38	92	0.00
24	SCP	Chloroform-d	0.64743	0.66929	3.38	99	0.00
25	CP	Chloroform	0.60168	0.64272	6.82	96	0.00
26	SCP	1,2-Dichloroethane-d4	0.41232	0.43597	5.74	101	0.00
27	CP	1,2-Dichloroethane	0.51395	0.57172	11.24	100	0.00
28	I	Chlorobenzene-d5	1.00000	1.00000	0.00	91	0.00
29	CP	1,1,1-Trichloroethane	0.52442	0.56555	7.84	101	0.00
30	CP	Cyclohexane	0.65003	0.65749	1.15	95	0.00
31	CP	Carbon Tetrachloride	0.38125	0.40528	6.30	99	0.00
32	SCP	Benzene-d6	1.34884	1.30575	-3.19	90	0.00
33	CP	Benzene	1.37728	1.43357	4.09	95	0.00
34	CP	Trichloroethene	0.35015	0.36593	4.51	96	0.00
35	SCP	1,2-Dichloropropane-d6	0.40219	0.39419	-1.99	95	0.00
36	CP	Methylcyclohexane	0.52369	0.58202	11.14	113	0.00
37	CP	1,2-Dichloropropane	0.39831	0.41022	2.99	96	0.00
38	CP	Bromodichloromethane	0.44461	0.47949	7.85	97	0.00
39	CP	cis-1,3-Dichloropropene	0.48347	0.53576	10.82	100	0.00
40	CP	4-Methyl-2-Pentanone	0.28532	0.36831	29.09	125	0.00
41	SCP	Toluene-d8	1.23900	1.22397	-1.21	94	0.00
42	CP	Toluene	1.44288	1.52788	5.89	99	0.00
43	SCP	trans-1,3-Dichloropropene-d	0.41353	0.44367	7.29	101	0.00
44	CP	trans-1,3-Dichloropropene	0.43932	0.50069	13.97	102	0.00
45	CP	1,1,2-Trichloroethane	0.22081	0.24627	11.53	106	0.00
46	CP	Tetrachloroethene	0.25458	0.28003	10.00	106	0.00
47	SCP	2-Hexanone-d5	0.02058	0.02715	31.90	125	0.00
48	CP	2-Hexanone	0.19358	0.25045	29.38	126	0.00
49	CP	Dibromochloromethane	0.23876	0.26662	11.67	99	0.00
50	CP	1,2-Dibromoethane	0.21804	0.24869	14.06	108	0.00
51	CP	Chlorobenzene	0.90157	0.93797	4.04	98	0.00
52	CP	Ethylbenzene	1.72535	1.81421	5.15	101	0.00
53	CP	m,p-Xylene	0.53571	0.56136	4.79	101	0.00

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54	CP	o-Xylene	0.62763	0.65223	3.92	99	0.00
55	CP	Styrene	0.70045	0.82760	18.15	115	0.00
56	CP	Isopropylbenzene	1.65138	1.82323	10.41	103	0.00
57	SCP	1,1,2,2-Tetrachloroethane-d	0.25023	0.29380	17.41	115	0.00
58	CP	1,1,2,2-Tetrachloroethane	0.25267	0.31073	22.98	117	0.00
59	I	1,4-Dichlorobenzene-d4	1.00000	1.00000	0.00	93	0.00
60	CP	Bromoform	0.19344	0.23788	22.97	113	0.00
61	CP	1,3-Dichlorobenzene	1.39032	1.39675	0.46	99	0.00
62	CP	1,4-Dichlorobenzene	1.44194	1.43973	-0.15	99	0.00
63	SCP	1,2-Dichlorobenzene-d4	0.80626	0.76936	-4.58	98	0.00
64	CP	1,2-Dichlorobenzene	1.24177	1.26515	1.88	100	0.00
65	CP	1,2-Dibromo-3-chloropropane	0.08118	0.10538	29.80	123	0.00
66	CP	1,2,4-Trichlorobenzene	0.85551	0.79679	-6.86	100	0.00
67	CP	1,2,3-Trichlorobenzene	0.77022	0.68246	-11.39	102	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0
H2771.D SOTH2771.M Fri Aug 13 16:16:20 2010

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: H-5975 Calibration Date: 08/13/2010 Time: 0222

Lab File ID: H2788.D Init. Calib. Date(s): 08/12/2010 08/12/2010

EPA Sample No.(VSTD#####): VSTD0055R Init. Calib. Time(s): 1203 1441

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.071	0.106	0.010	49.0	50.0
Chloromethane	0.170	0.170	0.010	-0.4	50.0
Vinyl chloride	0.098	0.095	0.010	-2.8	50.0
Bromomethane	0.062	0.063	0.010	2.0	50.0
Chloroethane	0.065	0.076	0.010	17.7	50.0
Trichlorofluoromethane	0.248	0.306	0.010	23.4	50.0
1,1-Dichloroethene	0.194	0.225	0.010	16.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.114	0.161	0.010	41.2	50.0
Acetone	0.067	0.089	0.010	33.0	50.0
Carbon disulfide	0.613	0.612	0.010	-0.3	50.0
Methyl acetate	0.169	0.208	0.010	23.1	50.0
Methylene chloride	0.212	0.241	0.010	13.7	50.0
trans-1,2-Dichloroethene	0.274	0.288	0.010	5.2	50.0
Methyl tert-butyl ether	0.174	0.228	0.010	31.2	50.0
1,1-Dichloroethane	0.670	0.752	0.010	12.2	50.0
cis-1,2-Dichloroethene	0.298	0.325	0.010	8.9	50.0
2-Butanone	0.107	0.141	0.010	32.4	50.0
Bromochloromethane	0.123	0.141	0.010	14.6	50.0
Chloroform	0.602	0.686	0.010	13.9	50.0
1,1,1-Trichloroethane	0.524	0.587	0.010	11.9	50.0
Cyclohexane	0.650	0.703	0.010	8.1	50.0
Carbon tetrachloride	0.381	0.409	0.010	7.4	50.0
Benzene	1.377	1.420	0.010	3.1	50.0
1,2-Dichloroethane	0.514	0.653	0.010	27.1	50.0
Trichloroethene	0.350	0.359	0.010	2.6	50.0
Methylcyclohexane	0.524	0.543	0.010	3.7	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: H-5975 Calibration Date: 08/13/2010 Time: 0222

Lab File ID: H2788.D Init. Calib. Date(s): 08/12/2010 08/12/2010

EPA Sample No.(VSTD#####): VSTD0055R Init. Calib. Time(s): 1203 1441

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.398	0.447	0.010	12.2	50.0
Bromodichloromethane	0.445	0.510	0.010	14.7	50.0
cis-1,3-Dichloropropene	0.483	0.521	0.010	7.7	50.0
4-Methyl-2-pentanone	0.285	0.355	0.010	24.5	50.0
Toluene	1.443	1.429	0.010	-0.9	50.0
trans-1,3-Dichloropropene	0.439	0.515	0.010	17.2	50.0
1,1,2-Trichloroethane	0.221	0.253	0.010	14.6	50.0
Tetrachloroethene	0.255	0.235	0.010	-7.8	50.0
2-Hexanone	0.194	0.230	0.010	18.9	50.0
Dibromochloromethane	0.239	0.286	0.010	19.8	50.0
1,2-Dibromoethane	0.218	0.256	0.010	17.4	50.0
Chlorobenzene	0.902	0.900	0.010	-0.2	50.0
Ethylbenzene	1.725	1.610	0.010	-6.7	50.0
o-Xylene	0.628	0.598	0.010	-4.7	50.0
m,p-Xylene	0.536	0.483	0.010	-9.9	50.0
Styrene	0.700	0.715	0.010	2.1	50.0
Bromoform	0.193	0.244	0.010	26.1	50.0
Isopropylbenzene	1.651	1.481	0.010	-10.3	50.0
1,1,2,2-Tetrachloroethane	0.253	0.298	0.010	17.9	50.0
1,3-Dichlorobenzene	1.390	1.330	0.010	-4.4	50.0
1,4-Dichlorobenzene	1.442	1.393	0.010	-3.4	50.0
1,2-Dichlorobenzene	1.242	1.258	0.010	1.3	50.0
1,2-Dibromo-3-chloropropane	0.081	0.101	0.010	23.8	50.0
1,2,4-Trichlorobenzene	0.856	0.716	0.010	-16.3	50.0
1,2,3-Trichlorobenzene	0.770	0.638	0.010	-17.1	50.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Instrument ID: H-5975 Calibration Date: 08/13/2010 Time: 0222

Lab File ID: H2788.D Init. Calib. Date(s): 08/12/2010 08/12/2010

EPA Sample No.(VSTD#####): VSTD0055R Init. Calib. Time(s): 1203 1441

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.068	0.070	0.010	3.8	50.0
Chloroethane-d5	0.050	0.046	0.010	-7.8	50.0
1,1-Dichloroethene-d2	0.592	0.658	0.010	11.1	50.0
2-Butanone-d5	0.065	0.080	0.010	23.4	50.0
Chloroform-d	0.647	0.686	0.010	6.0	50.0
1,2-Dichloroethane-d4	0.412	0.469	0.010	13.9	50.0
Benzene-d6	1.349	1.328	0.010	-1.5	50.0
1,2-Dichloropropane-d6	0.402	0.408	0.010	1.4	50.0
Toluene-d8	1.239	1.170	0.010	-5.6	50.0
trans-1,3-Dichloropropene-d4	0.414	0.425	0.010	2.7	50.0
2-Hexanone-d5	0.021	0.024	0.010	17.2	50.0
1,1,2,2-Tetrachloroethane-d2	0.250	0.277	0.010	10.6	50.0
1,2-Dichlorobenzene-d4	0.806	0.785	0.010	-2.7	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2788.D
Acq On : 08/13/2010 0222
Sample : 0H12006-CCV2
Misc : VSTD0055R 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:48:28 2010

Vial: 35
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	187508	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	167326	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	83024	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	13139	5.1890 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 103.78%		
7) Chloroethane-d5	1.84	69	8646	4.6088 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 92.18%		
10) 1,1-Dichloroethene-d2	2.48	63	123444	5.5571 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 111.14%#		
20) 2-Butanone-d5	4.04	46	150470	61.7012 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 123.40%		
24) Chloroform-d	4.38	84	128659	5.2991 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 105.98%		
26) 1,2-Dichloroethane-d4	4.92	65	88034	5.6934 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 113.87%		
32) Benzene-d6	4.95	84	222284	4.9244 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 98.49%		
35) 1,2-Dichloropropane-d6	5.88	67	68247	5.0706 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 101.41%		
41) Toluene-d8	7.27	98	195730	4.7205 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 94.41%		
43) trans-1,3-Dichloropropene-	7.63	79	71037	5.1331 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 102.66%		
47) 2-Hexanone-d5	8.24	63	40363	58.5939 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 117.19%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	46320	5.5314 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 110.63%		
63) 1,2-Dichlorobenzene-d4	13.28	152	65140	4.8657 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 97.31%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.28	85	19915	7.4523 ug/L	84
3) Chloromethane	1.42	50	31811	4.9780 ug/L	96
5) Vinyl Chloride	1.52	62	17805	4.8619 ug/L	92
6) Bromomethane	1.78	94	11782	5.1004 ug/L	99
8) Chloroethane	1.87	64	14259	5.8834 ug/L	94
9) Trichlorofluoromethane	2.08	101	57367	6.1700 ug/L	98
11) 1,1-Dichloroethene	2.49	96	42130	5.8028 ug/L	99
12) 1,1,2-Trichloro-1,2,2-trif	2.51	101	30145	7.0604 ug/L	98
13) Acetone	2.54	43	166178	66.5112 ug/L	97
14) Carbon Disulfide	2.67	76	114690	4.9873 ug/L	99
15) Methyl Acetate	2.82	43	38959	6.1556 ug/L	97
16) Methylene Chloride	2.90	84	45270	5.6853 ug/L #	88
17) trans-1,2-Dichloroethene	3.15	96	53978	5.2616 ug/L	97
18) Methyl tert-Butyl Ether	3.16	73	42779	6.5585 ug/L	99
19) 1,1-Dichloroethane	3.52	63	141000	5.6078 ug/L	99
21) cis-1,2-Dichloroethene	4.08	96	60954	5.4456 ug/L	96
22) 2-Butanone	4.09	43	265020	66.2085 ug/L	96
23) Bromochloromethane	4.31	128	26494	5.7275 ug/L #	90

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

ORIGINAL COPY
Case: 40415 SDG: F3L04
Episode: 0012601 Int./Date: 08/17/10

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2788.D
Acq On : 08/13/2010 0222
Sample : 0H12006-CCV2
Misc : VSTD0055R 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:48:28 2010

Vial: 35
Operator: AC
Inst : H-5975
Multiplr: 1.00
Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25)	Chloroform	4.41	83	128550	5.6972 ug/L	98
27)	1,2-Dichloroethane	5.00	62	122440	6.3527 ug/L	92
29)	1,1,1-Trichloroethane	4.59	97	98150	5.5926 ug/L	99
30)	Cyclohexane	4.67	56	117550	5.4038 ug/L	98
31)	Carbon Tetrachloride	4.78	117	68499	5.3688 ug/L	99
33)	Benzene	4.99	78	237637	5.1558 ug/L	100
34)	Trichloroethene	5.73	95	60117	5.1304 ug/L	99
36)	Methylcyclohexane	5.96	83	90868	5.1850 ug/L	98
37)	1,2-Dichloropropane	5.98	63	74795	5.6112 ug/L	96
38)	Bromodichloromethane	6.33	83	85354	5.7366 ug/L	99
39)	cis-1,3-Dichloropropene	6.91	75	87140	5.3858 ug/L	99
40)	4-Methyl-2-Pentanone	7.13	43	594184	62.2300 ug/L	98
42)	Toluene	7.35	91	239183	4.9535 ug/L	98
44)	trans-1,3-Dichloropropene	7.67	75	86156	5.8602 ug/L	97
45)	1,1,2-Trichloroethane	7.91	97	42355	5.7319 ug/L	99
46)	Tetrachloroethene	8.12	164	39279	4.6105 ug/L	98
48)	2-Hexanone	8.32	43	385266	59.4702 ug/L	99
49)	Dibromochloromethane	8.47	129	47853	5.9891 ug/L	99
50)	1,2-Dibromoethane	8.61	107	42819	5.8682 ug/L	99
51)	Chlorobenzene	9.37	112	150580	4.9909 ug/L	99
52)	Ethylbenzene	9.58	91	269474	4.6671 ug/L	98
53)	m,p-Xylene	9.57	106	80751	4.5043 ug/L	95
54)	o-Xylene	10.38	106	100066	4.7642 ug/L	99
55)	Styrene	10.41	104	119674	5.1054 ug/L	97
56)	Isopropylbenzene	11.01	105	247806	4.4841 ug/L	99
58)	1,1,2,2-Tetrachloroethane	11.51	83	49839	5.8941 ug/L	99
60)	Bromoform	10.66	173	20244	6.3026 ug/L	95
61)	1,3-Dichlorobenzene	12.79	146	110406	4.7824 ug/L	100
62)	1,4-Dichlorobenzene	12.90	146	115638	4.8297 ug/L	99
64)	1,2-Dichlorobenzene	13.30	146	104458	5.0660 ug/L	99
65)	1,2-Dibromo-3-chloropropan	14.06	75	8345	6.1905 ug/L	97
66)	1,2,4-Trichlorobenzene	14.78	180	59473	4.1866 ug/L	99
67)	1,2,3-Trichlorobenzene	15.16	180	53003	4.1443 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

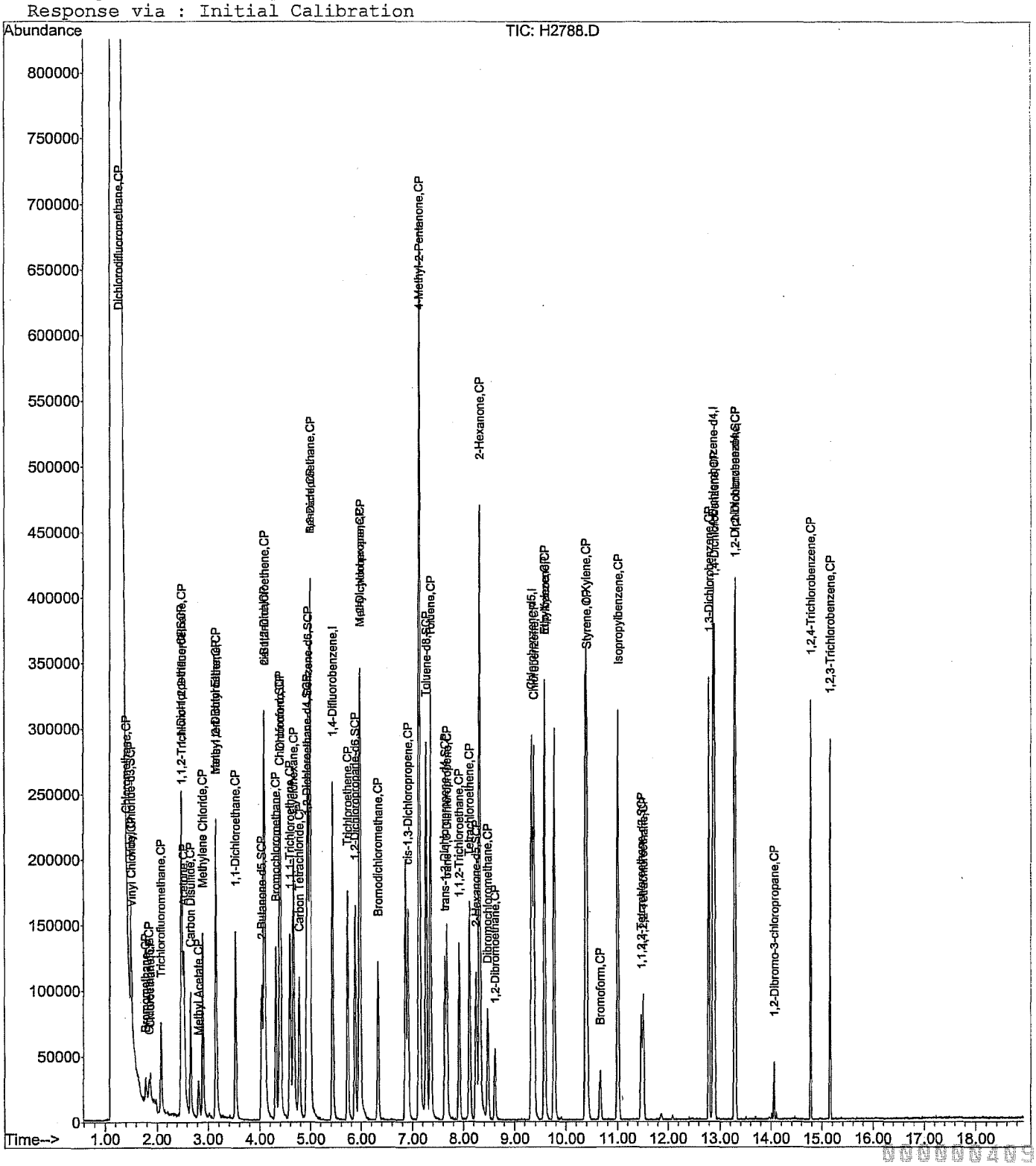
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2788.D
Acq On : 08/13/2010 0222
Sample : 0H12006-CCV2
Misc : VSTD0055R 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 9:48 2010

Vial: 35
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\H2788.D
Acq On : 08/13/2010 0222
Sample : 0H12006-CCV2
Misc : VSTD0055R 25ML
MS Integration Params: RTEINT.P

Vial: 35
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

8/16/10

8/16/10

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Difluorobenzene	1.00000	1.00000	0.00	77	0.00
2	CP	Dichlorodifluoromethane	0.07126	0.10621	49.05#	137	0.00
3	CP	Chloromethane	0.17040	0.16965	-0.44	69	0.00
4	SCP	Vinyl Chloride-d3	0.06752	0.07007	3.78	85	0.00
5	CP	Vinyl Chloride	0.09765	0.09496#	-2.76	75	0.00
6	CP	Bromomethane	0.06160	0.06283#	2.01	76	0.00
7	SCP	Chloroethane-d5	0.05002	0.04611	-7.82	69	0.00
8	CP	Chloroethane	0.06463	0.07604	17.67	90	0.00
9	CP	Trichlorofluoromethane	0.24793	0.30594	23.40	101	0.00
10	SCP	1,1-Dichloroethene-d2	0.59234	0.65834	11.14	92	0.00
11	CP	1,1-Dichloroethene	0.19360	0.22468	16.06	93	0.00
12	CP	1,1,2-Trichloro-1,2,2-trifl	0.11385	0.16077	41.21#	122	0.00
13	CP	Acetone	0.06662	0.08862	33.02	110	0.00
14	CP	Carbon Disulfide	0.61321	0.61165	-0.25	80	0.00
15	CP	Methyl Acetate	0.16877	0.20777	23.11	105	0.00
16	CP	Methylene Chloride	0.21233	0.24143	13.71	86	0.00
17	CP	trans-1,2-Dichloroethene	0.27356	0.28787	5.23	85	0.00
18	CP	Methyl tert-Butyl Ether	0.17393	0.22814	31.17	113	0.00
19	CP	1,1-Dichloroethane	0.67046	0.75197	12.16	89	0.00
20	SCP	2-Butanone-d5	0.06503	0.08025	23.40	94	0.00
21	CP	cis-1,2-Dichloroethene	0.29847	0.32507	8.91	86	0.00
22	CP	2-Butanone	0.10674	0.14134	32.42	109	0.00
23	CP	Bromochloromethane	0.12335	0.14130	14.55	91	0.00
24	SCP	Chloroform-d	0.64743	0.68615	5.98	89	0.00
25	CP	Chloroform	0.60168	0.68557	13.94	89	0.00
26	SCP	1,2-Dichloroethane-d4	0.41232	0.46949	13.87	95	0.00
27	CP	1,2-Dichloroethane	0.51395	0.65299	27.05	100	0.00
28	I	Chlorobenzene-d5	1.00000	1.00000	0.00	79	0.00
29	CP	1,1,1-Trichloroethane	0.52442	0.58658	11.85	90	0.00
30	CP	Cyclohexane	0.65003	0.70252	8.08	88	0.00
31	CP	Carbon Tetrachloride	0.38125	0.40937	7.38	87	0.00
32	SCP	Benzene-d6	1.34884	1.32845	-1.51	79	0.00
33	CP	Benzene	1.37728	1.42020	3.12	81	0.00
34	CP	Trichloroethene	0.35015	0.35928	2.61	82	0.00
35	SCP	1,2-Dichloropropane-d6	0.40219	0.40787	1.41	85	0.00
36	CP	Methylcyclohexane	0.52369	0.54306	3.70	91	0.00
37	CP	1,2-Dichloropropane	0.39831	0.44700	12.22	91	0.00
38	CP	Bromodichloromethane	0.44461	0.51011	14.73	89	0.00
39	CP	cis-1,3-Dichloropropene	0.48347	0.52078	7.72	84	0.00
40	CP	4-Methyl-2-Pentanone	0.28532	0.35511	24.46	104	0.00
41	SCP	Toluene-d8	1.23900	1.16975	-5.59	78	0.00
42	CP	Toluene	1.44288	1.42944	-0.93	80	0.00
43	SCP	trans-1,3-Dichloropropene-d	0.41353	0.42454	2.66	83	0.00
44	CP	trans-1,3-Dichloropropene	0.43932	0.51490	17.20	91	0.00
45	CP	1,1,2-Trichloroethane	0.22081	0.25313	14.64	95	0.00
46	CP	Tetrachloroethene	0.25458	0.23475	-7.79	77	0.00
47	SCP	2-Hexanone-d5	0.02058	0.02412	17.19	96	0.00
48	CP	2-Hexanone	0.19358	0.23025	18.94	100	0.00
49	CP	Dibromochloromethane	0.23876	0.28599	19.78	92	0.00
50	CP	1,2-Dibromoethane	0.21804	0.25590	17.36	96	0.00
51	CP	Chlorobenzene	0.90157	0.89992	-0.18	81	0.00
52	CP	Ethylbenzene	1.72535	1.61047	-6.66	77	0.00
53	CP	m,p-Xylene	0.53571	0.48260	-9.91	75	0.00

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54	CP	o-Xylene	0.62763	0.59803	-4.72	78	0.00
55	CP	Styrene	0.70045	0.71521	2.11	86	0.00
56	CP	Isopropylbenzene	1.65138	1.48098	-10.32	72	0.00
57	SCP	1,1,2,2-Tetrachloroethane-d	0.25023	0.27682	10.63	94	0.00
58	CP	1,1,2,2-Tetrachloroethane	0.25267	0.29786	17.88	97	0.00
59	I	1,4-Dichlorobenzene-d4	1.00000	1.00000	0.00	75	0.00
60	CP	Bromoform	0.19344	0.24383	26.05	94	0.00
61	CP	1,3-Dichlorobenzene	1.39032	1.32981	-4.35	76	0.00
62	CP	1,4-Dichlorobenzene	1.44194	1.39283	-3.41	77	0.00
63	SCP	1,2-Dichlorobenzene-d4	0.80626	0.78459	-2.69	80	0.00
64	CP	1,2-Dichlorobenzene	1.24177	1.25817	1.32	80	0.00
65	CP	1,2-Dibromo-3-chloropropane	0.08118	0.10051	23.81	95	0.00
66	CP	1,2,4-Trichlorobenzene	0.85551	0.71634	-16.27	73	0.00
67	CP	1,2,3-Trichlorobenzene	0.77022	0.63841	-17.11	77	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 2
H2771.D SOTH2771.M Fri Aug 13 17:01:21 2010

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: F-5973 Calibration Date: 08/13/2010 Time: 1043

Lab File ID: F3983.D Init. Calib. Date(s): 08/11/2010 08/11/2010

EPA Sample No.(VSTD#####): VSTD0058P Init. Calib. Time(s): 1807 2105

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.158	0.151	0.010	-4.4	40.0
Chloromethane	0.304	0.337	0.010	10.7	40.0
Vinyl chloride	0.344	0.311	0.100	-9.6	30.0
Bromomethane	0.257	0.326	0.100	26.9	30.0
Chloroethane	0.232	0.252	0.010	8.6	40.0
Trichlorofluoromethane	0.487	0.396	0.010	-18.6	40.0
1,1-Dichloroethene	0.234	0.220	0.100	-5.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.204	0.194	0.010	-4.6	40.0
Acetone	0.053	0.050	0.010	-5.7	40.0
Carbon disulfide	0.831	0.774	0.010	-6.9	40.0
Methyl acetate	0.135	0.130	0.010	-3.5	40.0
Methylene chloride	0.276	0.282	0.010	2.1	40.0
trans-1,2-Dichloroethene	0.297	0.279	0.010	-6.0	40.0
Methyl tert-butyl ether	0.538	0.496	0.010	-7.9	40.0
1,1-Dichloroethane	0.502	0.498	0.200	-0.8	30.0
cis-1,2-Dichloroethene	0.325	0.322	0.010	-0.8	40.0
2-Butanone	0.088	0.086	0.010	-2.2	40.0
Bromochloromethane	0.144	0.145	0.050	0.3	30.0
Chloroform	0.533	0.533	0.200	0.0	30.0
1,1,1-Trichloroethane	0.457	0.401	0.100	-12.1	30.0
Cyclohexane	0.459	0.374	0.010	-18.6	40.0
Carbon tetrachloride	0.411	0.344	0.100	-16.2	30.0
Benzene	1.406	1.361	0.400	-3.2	30.0
1,2-Dichloroethane	0.377	0.378	0.100	0.3	30.0
Trichloroethene	0.353	0.320	0.300	-9.3	30.0
Methylcyclohexane	0.651	0.535	0.010	-17.9	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: F-5973 Calibration Date: 08/13/2010 Time: 1043

Lab File ID: F3983.D Init. Calib. Date(s): 08/11/2010 08/11/2010

EPA Sample No.(VSTD#####): VSTD0058P Init. Calib. Time(s): 1807 2105

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.314	0.312	0.010	-0.5	40.0
Bromodichloromethane	0.411	0.409	0.200	-0.4	30.0
cis-1,3-Dichloropropene	0.501	0.508	0.200	1.4	30.0
4-Methyl-2-pentanone	0.218	0.208	0.010	-4.6	40.0
Toluene	1.573	1.561	0.400	-0.7	30.0
trans-1,3-Dichloropropene	0.426	0.418	0.100	-1.9	30.0
1,1,2-Trichloroethane	0.245	0.241	0.100	-1.4	30.0
Tetrachloroethene	0.328	0.296	0.100	-10.0	30.0
2-Hexanone	0.151	0.141	0.010	-6.9	40.0
Dibromochloromethane	0.292	0.286	0.100	-2.1	30.0
1,2-Dibromoethane	0.234	0.227	0.010	-3.2	40.0
Chlorobenzene	0.995	0.969	0.500	-2.6	30.0
Ethylbenzene	1.746	1.683	0.100	-3.6	30.0
o-Xylene	0.633	0.604	0.300	-4.5	30.0
m,p-Xylene	0.682	0.660	0.300	-3.1	30.0
Styrene	1.021	0.996	0.300	-2.4	30.0
Bromoform	0.315	0.325	0.050	3.0	30.0
Isopropylbenzene	1.659	1.544	0.010	-6.9	40.0
1,1,2,2-Tetrachloroethane	0.287	0.262	0.100	-9.0	30.0
1,3-Dichlorobenzene	1.396	1.388	0.400	-0.6	30.0
1,4-Dichlorobenzene	1.471	1.447	0.400	-1.7	30.0
1,2-Dichlorobenzene	1.270	1.255	0.400	-1.2	30.0
1,2-Dibromo-3-chloropropane	0.071	0.068	0.010	-4.0	40.0
1,2,4-Trichlorobenzene	0.832	0.802	0.200	-3.6	30.0
1,2,3-Trichlorobenzene	0.716	0.718	0.200	0.2	30.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: F-5973 Calibration Date: 08/13/2010 Time: 1043

Lab File ID: F3983.D Init. Calib. Date(s): 08/11/2010 08/11/2010

EPA Sample No.(VSTD#####): VSTD0058P Init. Calib. Time(s): 1807 2105

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.251	0.235	0.010	-6.5	30.0
Chloroethane-d5	0.228	0.276	0.010	20.6	40.0
1,1-Dichloroethene-d2	0.444	0.419	0.010	-5.7	30.0
2-Butanone-d5	0.023	0.023	0.010	2.0	40.0
Chloroform-d	0.496	0.519	0.010	4.7	30.0
1,2-Dichloroethane-d4	0.277	0.304	0.010	10.0	30.0
Benzene-d6	1.168	1.192	0.010	2.0	30.0
1,2-Dichloropropane-d6	0.378	0.385	0.010	1.8	40.0
Toluene-d8	1.136	1.170	0.010	3.0	30.0
trans-1,3-Dichloropropene-d4	0.340	0.350	0.010	2.9	30.0
2-Hexanone-d5	0.020	0.020	0.010	-0.7	40.0
1,1,2,2-Tetrachloroethane-d2	0.259	0.245	0.010	-5.3	30.0
1,2-Dichlorobenzene-d4	0.725	0.738	0.010	1.8	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3983.D
Acq On : 08/13/2010 1043
Sample : 0H13002-CCV1
Misc : VSTD0058P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 11:09:05 2010

Vial: 32
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 15:46:48 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10
8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	148005	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.70	117	139147	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	70421	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	2.42	65	34710	4.6728 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 93.46%		
7) Chloroethane-d5	2.80	69	40788	6.0316 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 120.63%		
10) 1,1-Dichloroethene-d2	3.55	63	61996	4.7131 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 94.26%		
20) 2-Butanone-d5	5.22	46	34378	50.9923 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 101.98%		
24) Chloroform-d	5.59	84	76862	5.2350 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 104.70%		
26) 1,2-Dichloroethane-d4	6.17	65	45018	5.4992 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 109.98%		
32) Benzene-d6	6.20	84	165811	5.0992 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 101.98%		
35) 1,2-Dichloropropane-d6	7.17	67	53552	5.0924 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 101.85%		
41) Toluene-d8	8.57	98	162796	5.1483 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 102.97%		
43) trans-1,3-Dichloropropene-	8.92	79	48635	5.1433 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 102.87%		
47) 2-Hexanone-d5	9.52	63	27587	49.6749 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 99.35%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	34139	4.7333 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 94.67%		
63) 1,2-Dichlorobenzene-d4	13.78	152	51976	5.0889 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 101.78%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.11	85	22331	4.7790 ug/L	100
3) Chloromethane	2.35	50	49805	5.5366 ug/L	100
5) Vinyl Chloride	2.43	62	46007	4.5179 ug/L	98
6) Bromomethane	2.77	94	48309	6.3459 ug/L	92
8) Chloroethane	2.83	64	37270	5.4304 ug/L	99
9) Trichlorofluoromethane	3.06	101	58639	4.0686 ug/L	98
11) 1,1-Dichloroethene	3.56	96	32587	4.7040 ug/L	94
12) 1,1,2-Trichloro-1,2,2-trif	3.54	101	28769	4.7694 ug/L	84
13) Acetone	3.60	43	73916	47.1675 ug/L	99
14) Carbon Disulfide	3.79	76	114533	4.6555 ug/L	98
15) Methyl Acetate	3.90	43	19307	4.8247 ug/L	97
16) Methylene Chloride	4.02	84	41757	5.1036 ug/L	98
17) trans-1,2-Dichloroethene	4.27	96	41284	4.7025 ug/L	100
18) Methyl tert-Butyl Ether	4.25	73	73362	4.6073 ug/L	100
19) 1,1-Dichloroethane	4.69	63	73675	4.9618 ug/L	98
21) cis-1,2-Dichloroethene	5.28	96	47711	4.9598 ug/L	99
22) 2-Butanone	5.28	43	126798	48.8930 ug/L	100
23) Bromochloromethane	5.54	128	21399	5.0139 ug/L	98

ORIGINAL COPY
Case: 40415 SDG: F3C05
Episode: 0012602 Int./Date: 08/19/10

000000415

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3983.D
Acq On : 08/13/2010 1043
Sample : 0H13002-CCV1
Misc : VSTD0058P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 11:09:05 2010

Vial: 32
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 15:46:48 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	Chloroform	5.61	83	78879	4.9992	ug/L	98
27)	1,2-Dichloroethane	6.26	62	55980	5.0175	ug/L	100
29)	1,1,1-Trichloroethane	5.82	97	55860	4.3937	ug/L	100
30)	Cyclohexane	5.88	56	52009	4.0703	ug/L	96
31)	Carbon Tetrachloride	6.01	117	47885	4.1910	ug/L	100
33)	Benzene	6.24	78	189378	4.8390	ug/L	100
34)	Trichloroethene	6.99	95	44538	4.5337	ug/L	100
36)	Methylcyclohexane	7.22	83	74390	4.1030	ug/L	96
37)	1,2-Dichloropropane	7.28	63	43421	4.9768	ug/L	99
38)	Bromodichloromethane	7.61	83	56980	4.9788	ug/L	98
39)	cis-1,3-Dichloropropene	8.20	75	70681	5.0708	ug/L	100
40)	4-Methyl-2-Pentanone	8.40	43	289725	47.6751	ug/L	99
42)	Toluene	8.66	91	217266	4.9645	ug/L	99
44)	trans-1,3-Dichloropropene	8.97	75	58186	4.9055	ug/L	99
45)	1,1,2-Trichloroethane	9.24	97	33584	4.9296	ug/L	99
46)	Tetrachloroethene	9.44	164	41120	4.5009	ug/L	100
48)	2-Hexanone	9.60	43	196321	46.5719	ug/L	99
49)	Dibromochloromethane	9.82	129	39747	4.8949	ug/L	97
50)	1,2-Dibromoethane	10.01	107	31523	4.8402	ug/L	100
51)	Chlorobenzene	10.75	112	134840	4.8719	ug/L	99
52)	Ethylbenzene	10.90	91	234218	4.8210	ug/L	100
53)	m,p-Xylene	11.07	106	91898	4.8446	ug/L	99
54)	o-Xylene	11.60	106	84075	4.7755	ug/L	99
55)	Styrene	11.62	104	138551	4.8777	ug/L	99
56)	Isopropylbenzene	12.05	105	214880	4.6552	ug/L	100
58)	1,1,2,2-Tetrachloroethane	12.41	83	36416	4.5522	ug/L	98
60)	Bromoform	11.86	173	22882	5.1523	ug/L	100
61)	1,3-Dichlorobenzene	13.36	146	97712	4.9692	ug/L	99
62)	1,4-Dichlorobenzene	13.45	146	101907	4.9171	ug/L	99
64)	1,2-Dichlorobenzene	13.79	146	88387	4.9407	ug/L	100
65)	1,2-Dibromo-3-chloropropan	14.47	75	4806	4.7995	ug/L	99
66)	1,2,4-Trichlorobenzene	15.21	180	56506	4.8218	ug/L	99
67)	1,2,3-Trichlorobenzene	15.70	180	50552	5.0100	ug/L	98

000000416

(#) = qualifier out of range (m) = manual integration (+) = signals summed

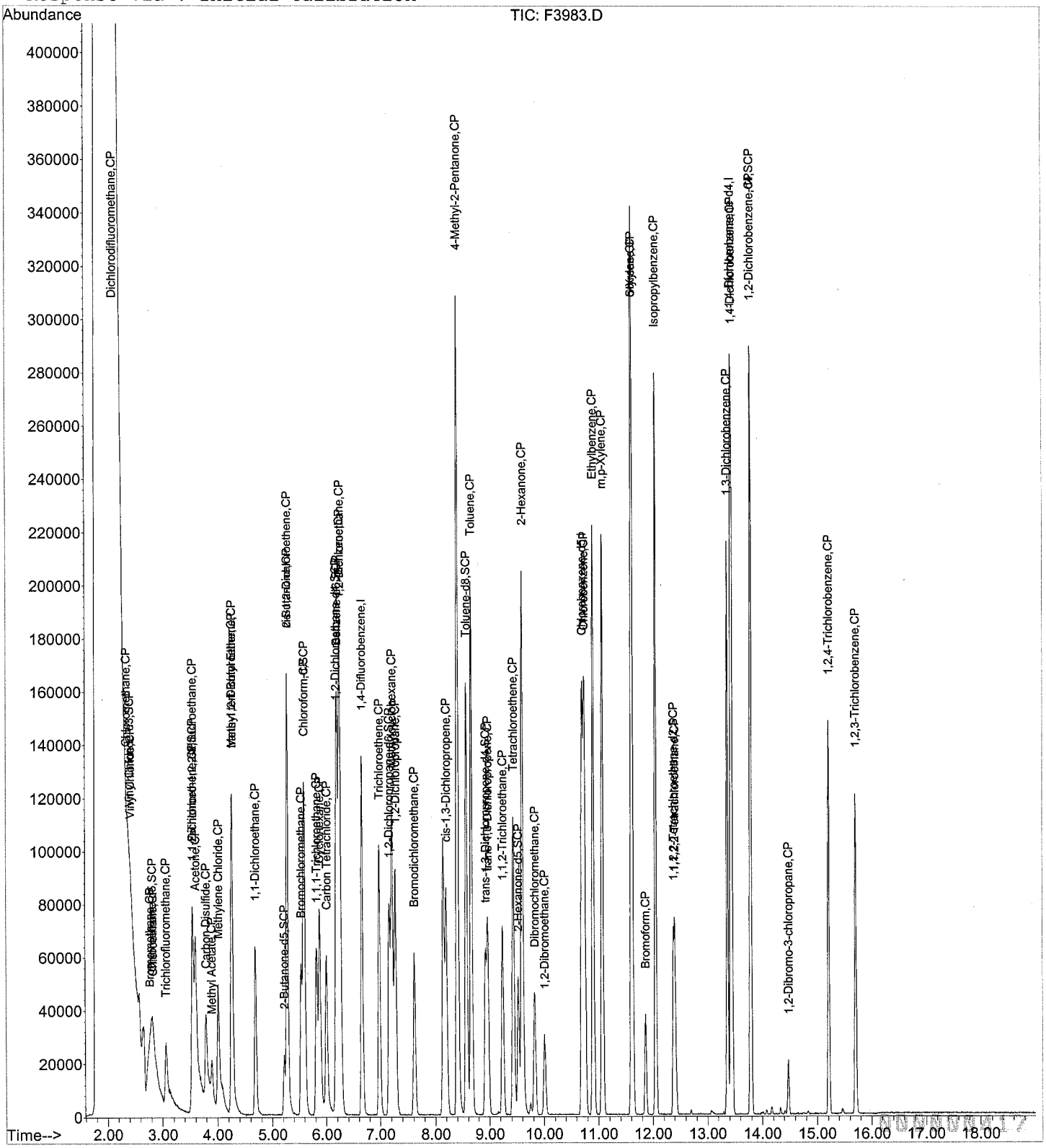
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3983.D
Acq On : 08/13/2010 1043
Sample : 0H13002-CCV1
Misc : VSTD0058P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 11:09 2010

Vial: 32
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\F3983.D
Acq On : 08/13/2010 1043
Sample : 0H13002-CCV1
Misc : VSTD0058P 25ML
MS Integration Params: RTEINT.P

Vial: 32
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

8/16/10

8/16/10

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Difluorobenzene	1.00000	1.00000	0.00	87	0.00
2	CP	Dichlorodifluoromethane	0.15786	0.15088	-4.42	75	0.00
3	CP	Chloromethane	0.30389	0.33651	10.73	93	0.00
4	SCP	Vinyl Chloride-d3	0.25094	0.23452	-6.54	73	0.00
5	CP	Vinyl Chloride	0.34402	0.31085	-9.64	74	0.00
6	CP	Bromomethane	0.25717	0.32640	26.92	84	0.00
7	SCP	Chloroethane-d5	0.22845	0.27559	20.63	84	0.00
8	CP	Chloroethane	0.23186	0.25182	8.61	82	0.00
9	CP	Trichlorofluoromethane	0.48690	0.39620	-18.63	65	0.00
10	SCP	1,1-Dichloroethene-d2	0.44438	0.41888	-5.74	74	0.00
11	CP	1,1-Dichloroethene	0.23403	0.22017	-5.92	72	0.00
12	CP	1,1,2-Trichloro-1,2,2-trifl	0.20378	0.19438	-4.61	79	0.00
13	CP	Acetone	0.05294	0.04994	-5.66	75	0.00
14	CP	Carbon Disulfide	0.83111	0.77385	-6.89	78	0.00
15	CP	Methyl Acetate	0.13519	0.13045	-3.51	74	0.00
16	CP	Methylene Chloride	0.27640	0.28213	2.07	83	0.00
17	CP	trans-1,2-Dichloroethene	0.29659	0.27894	-5.95	76	0.00
18	CP	Methyl tert-Butyl Ether	0.53792	0.49567	-7.85	73	0.00
19	CP	1,1-Dichloroethane	0.50162	0.49779	-0.76	81	0.00
20	SCP	2-Butanone-d5	0.02278	0.02323	1.98	77	0.00
21	CP	cis-1,2-Dichloroethene	0.32497	0.32236	-0.80	81	0.00
22	CP	2-Butanone	0.08761	0.08567	-2.21	74	0.00
23	CP	Bromochloromethane	0.14418	0.14458	0.28	80	0.00
24	SCP	Chloroform-d	0.49601	0.51932	4.70	83	0.00
25	CP	Chloroform	0.53303	0.53295	-0.02	82	0.00
26	SCP	1,2-Dichloroethane-d4	0.27656	0.30417	9.98	91	0.00
27	CP	1,2-Dichloroethane	0.37691	0.37823	0.35	80	0.00
28	I	Chlorobenzene-d5	1.00000	1.00000	0.00	90	0.00
29	CP	1,1,1-Trichloroethane	0.45685	0.40145	-12.13	75	0.00
30	CP	Cyclohexane	0.45914	0.37377	-18.59	66	0.00
31	CP	Carbon Tetrachloride	0.41056	0.34413	-16.18	71	0.00
32	SCP	Benzene-d6	1.16845	1.19162	1.98	83	0.00
33	CP	Benzene	1.40627	1.36099	-3.22	82	0.00
34	CP	Trichloroethene	0.35300	0.32008	-9.33	78	0.00
35	SCP	1,2-Dichloropropane-d6	0.37787	0.38486	1.85	87	0.00
36	CP	Methylcyclohexane	0.65150	0.53461	-17.94	67	0.00
37	CP	1,2-Dichloropropane	0.31351	0.31205	-0.46	84	0.00
38	CP	Bromodichloromethane	0.41124	0.40949	-0.42	84	0.00
39	CP	cis-1,3-Dichloropropene	0.50086	0.50796	1.42	83	0.00
40	CP	4-Methyl-2-Pentanone	0.21837	0.20822	-4.65	74	0.00
41	SCP	Toluene-d8	1.13625	1.16996	2.97	83	0.00
42	CP	Toluene	1.57257	1.56141	-0.71	83	0.00
43	SCP	trans-1,3-Dichloropropene-d	0.33979	0.34952	2.87	84	0.00
44	CP	trans-1,3-Dichloropropene	0.42622	0.41816	-1.89	80	0.00
45	CP	1,1,2-Trichloroethane	0.24480	0.24136	-1.41	80	0.00
46	CP	Tetrachloroethene	0.32828	0.29551	-9.98	77	0.00
47	SCP	2-Hexanone-d5	0.01996	0.01983	-0.65	75	0.00
48	CP	2-Hexanone	0.15147	0.14109	-6.86	71	0.00
49	CP	Dibromochloromethane	0.29178	0.28565	-2.10	81	0.00
50	CP	1,2-Dibromoethane	0.23402	0.22654	-3.20	78	0.00
51	CP	Chlorobenzene	0.99452	0.96905	-2.56	82	0.00
52	CP	Ethylbenzene	1.74573	1.68324	-3.58	81	0.00
53	CP	m,p-Xylene	0.68162	0.66044	-3.11	81	0.00

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54	CP	o-Xylene	0.63262	0.60422	-4.49	79	0.00
55	CP	Styrene	1.02069	0.99572	-2.45	80	0.00
56	CP	Isopropylbenzene	1.65863	1.54427	-6.90	77	0.00
57	SCP	1,1,2,2-Tetrachloroethane-d	0.25917	0.24534	-5.33	78	0.00
58	CP	1,1,2,2-Tetrachloroethane	0.28745	0.26171	-8.96	73	0.00
59	I	1,4-Dichlorobenzene-d4	1.00000	1.00000	0.00	82	0.00
60	CP	Bromoform	0.31533	0.32493	3.05	77	0.00
61	CP	1,3-Dichlorobenzene	1.39613	1.38754	-0.62	75	0.00
62	CP	1,4-Dichlorobenzene	1.47150	1.44711	-1.66	75	0.00
63	SCP	1,2-Dichlorobenzene-d4	0.72518	0.73808	1.78	77	0.00
64	CP	1,2-Dichlorobenzene	1.27017	1.25512	-1.19	75	0.00
65	CP	1,2-Dibromo-3-chloropropane	0.07110	0.06825	-4.01	67	0.00
66	CP	1,2,4-Trichlorobenzene	0.83206	0.80240	-3.56	73	0.00
67	CP	1,2,3-Trichlorobenzene	0.71642	0.71785	0.20	75	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F3983.D SOTF3983.M Fri Aug 13 18:09:42 2010

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: F-5973 Calibration Date: 08/13/2010 Time: 1814

Lab File ID: F3999.D Init. Calib. Date(s): 08/11/2010 08/11/2010

EPA Sample No.(VSTD#####): VSTD0058Q Init. Calib. Time(s): 1807 2105

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.158	0.185	0.010	16.9	50.0
Chloromethane	0.304	0.380	0.010	25.0	50.0
Vinyl chloride	0.344	0.400	0.010	16.3	50.0
Bromomethane	0.257	0.373	0.010	44.9	50.0
Chloroethane	0.232	0.297	0.010	28.2	50.0
Trichlorofluoromethane	0.487	0.509	0.010	4.5	50.0
1,1-Dichloroethene	0.234	0.262	0.010	11.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.204	0.273	0.010	33.7	50.0
Acetone	0.053	0.051	0.010	-3.0	50.0
Carbon disulfide	0.831	0.888	0.010	6.9	50.0
Methyl acetate	0.135	0.132	0.010	-2.6	50.0
Methylene chloride	0.276	0.309	0.010	11.6	50.0
trans-1,2-Dichloroethene	0.297	0.331	0.010	11.5	50.0
Methyl tert-butyl ether	0.538	0.543	0.010	0.9	50.0
1,1-Dichloroethane	0.502	0.581	0.010	15.8	50.0
cis-1,2-Dichloroethene	0.325	0.375	0.010	15.3	50.0
2-Butanone	0.088	0.088	0.010	0.9	50.0
Bromochloromethane	0.144	0.164	0.010	13.5	50.0
Chloroform	0.533	0.615	0.010	15.4	50.0
1,1,1-Trichloroethane	0.457	0.460	0.010	0.8	50.0
Cyclohexane	0.459	0.454	0.010	-1.2	50.0
Carbon tetrachloride	0.411	0.425	0.010	3.5	50.0
Benzene	1.406	1.519	0.010	8.0	50.0
1,2-Dichloroethane	0.377	0.413	0.010	9.6	50.0
Trichloroethene	0.353	0.365	0.010	3.4	50.0
Methylcyclohexane	0.651	0.664	0.010	1.9	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: F-5973 Calibration Date: 08/13/2010 Time: 1814

Lab File ID: F3999.D Init. Calib. Date(s): 08/11/2010 08/11/2010

EPA Sample No.(VSTD#####): VSTD0058Q Init. Calib. Time(s): 1807 2105

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.314	0.341	0.010	8.9	50.0
Bromodichloromethane	0.411	0.443	0.010	7.6	50.0
cis-1,3-Dichloropropene	0.501	0.540	0.010	7.9	50.0
4-Methyl-2-pentanone	0.218	0.213	0.010	-2.5	50.0
Toluene	1.573	1.714	0.010	9.0	50.0
trans-1,3-Dichloropropene	0.426	0.450	0.010	5.6	50.0
1,1,2-Trichloroethane	0.245	0.250	0.010	2.3	50.0
Tetrachloroethene	0.328	0.336	0.010	2.4	50.0
2-Hexanone	0.151	0.146	0.010	-3.6	50.0
Dibromochloromethane	0.292	0.305	0.010	4.6	50.0
1,2-Dibromoethane	0.234	0.240	0.010	2.6	50.0
Chlorobenzene	0.995	1.080	0.010	8.6	50.0
Ethylbenzene	1.746	1.912	0.010	9.5	50.0
o-Xylene	0.633	0.692	0.010	9.4	50.0
m,p-Xylene	0.682	0.741	0.010	8.7	50.0
Styrene	1.021	1.139	0.010	11.6	50.0
Bromoform	0.315	0.319	0.010	1.2	50.0
Isopropylbenzene	1.659	1.820	0.010	9.7	50.0
1,1,2,2-Tetrachloroethane	0.287	0.283	0.010	-1.7	50.0
1,3-Dichlorobenzene	1.396	1.473	0.010	5.5	50.0
1,4-Dichlorobenzene	1.471	1.541	0.010	4.8	50.0
1,2-Dichlorobenzene	1.270	1.319	0.010	3.9	50.0
1,2-Dibromo-3-chloropropane	0.071	0.067	0.010	-6.0	50.0
1,2,4-Trichlorobenzene	0.832	0.808	0.010	-2.9	50.0
1,2,3-Trichlorobenzene	0.716	0.667	0.010	-6.8	50.0

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: _____ SDG No.: F3L05

Instrument ID: F-5973 Calibration Date: 08/13/2010 Time: 1814

Lab File ID: F3999.D Init. Calib. Date(s): 08/11/2010 08/11/2010

EPA Sample No.(VSTD#####): VSTD0058Q Init. Calib. Time(s): 1807 2105

Heated Purge: (Y/N) N GC Column: DB-624 ID: 0.20 (mm) Length: 25 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.251	0.231	0.010	-8.0	50.0
Chloroethane-d5	0.228	0.262	0.010	14.7	50.0
1,1-Dichloroethene-d2	0.444	0.394	0.010	-11.3	50.0
2-Butanone-d5	0.023	0.023	0.010	2.0	50.0
Chloroform-d	0.496	0.538	0.010	8.6	50.0
1,2-Dichloroethane-d4	0.277	0.291	0.010	5.2	50.0
Benzene-d6	1.168	1.145	0.010	-2.0	50.0
1,2-Dichloropropane-d6	0.378	0.379	0.010	0.2	50.0
Toluene-d8	1.136	1.112	0.010	-2.2	50.0
trans-1,3-Dichloropropene-d4	0.340	0.344	0.010	1.2	50.0
2-Hexanone-d5	0.020	0.020	0.010	-1.7	50.0
1,1,2,2-Tetrachloroethane-d2	0.259	0.247	0.010	-4.6	50.0
1,2-Dichlorobenzene-d4	0.725	0.699	0.010	-3.6	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3999.D
Acq On : 08/13/2010 1814
Sample : 0H13002-CCV2
Misc : VSTD0058Q 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 18:49:21 2010

Vial: 49
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	140069	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.70	117	136299	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	76602	5.0000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	2.40	65	32340	4.6004 ug/L	-0.02
Spiked Amount 5.0000	Range 65 - 131		Recovery = 92.01%		
7) Chloroethane-d5	2.80	69	36693	5.7335 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 114.67%		
10) 1,1-Dichloroethene-d2	3.55	63	55226	4.4363 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 88.73%		
20) 2-Butanone-d5	5.23	46	32554	51.0226 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 102.05%		
24) Chloroform-d	5.59	84	75424	5.4281 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 108.56%		
26) 1,2-Dichloroethane-d4	6.18	65	40762	5.2614 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 105.23%		
32) Benzene-d6	6.20	84	156087	4.9004 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 98.01%		
35) 1,2-Dichloropropane-d6	7.17	67	51610	5.0103 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 100.21%		
41) Toluene-d8	8.57	98	151525	4.8920 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 97.84%		
43) trans-1,3-Dichloropropene-	8.93	79	46882	5.0615 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 101.23%		
47) 2-Hexanone-d5	9.52	63	26745	49.1650 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 98.33%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	33710	4.7715 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 95.43%		
63) 1,2-Dichlorobenzene-d4	13.78	152	53566	4.8214 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 96.43%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.09	85	25845	5.8444 ug/L	98
3) Chloromethane	2.33	50	53199	6.2490 ug/L	99
5) Vinyl Chloride	2.41	62	56030	5.8139 ug/L	99
6) Bromomethane	2.77	94	52178	7.2425 ug/L	95
8) Chloroethane	2.83	64	41642	6.4112 ug/L	99
9) Trichlorofluoromethane	3.05	101	71269	5.2251 ug/L	99
11) 1,1-Dichloroethene	3.56	96	36660	5.5917 ug/L #	87
12) 1,1,2-Trichloro-1,2,2-trif	3.54	101	38173	6.6869 ug/L #	76
13) Acetone	3.61	43	71947	48.5123 ug/L	100
14) Carbon Disulfide	3.79	76	124422	5.3440 ug/L	100
15) Methyl Acetate	3.90	43	18437	4.8683 ug/L	95
16) Methylene Chloride	4.01	84	43216	5.5812 ug/L	99
17) trans-1,2-Dichloroethene	4.27	96	46320	5.5750 ug/L	99
18) Methyl tert-Butyl Ether	4.26	73	76003	5.0437 ug/L	99
19) 1,1-Dichloroethane	4.69	63	81363	5.7900 ug/L	99
21) cis-1,2-Dichloroethene	5.28	96	52467	5.7632 ug/L	99
22) 2-Butanone	5.28	43	123780	50.4335 ug/L	99
23) Bromochloromethane	5.54	128	22916	5.6736 ug/L	100

ORIGINAL COPY
Case: 40415 SDG: F3L05
Episode: 0012602 Int./Date: 08/17/10

000000423

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3999.D Vial: 49
Acq On : 08/13/2010 1814 Operator: AC
Sample : 0H13002-CCV2 Inst : F-5973
Misc : VSTD0058Q 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 18:49:21 2010 Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	Chloroform	5.61	83	86133	5.7683	ug/L	99
27)	1,2-Dichloroethane	6.26	62	57877	5.4814	ug/L	100
29)	1,1,1-Trichloroethane	5.82	97	62754	5.0390	ug/L	100
30)	Cyclohexane	5.88	56	61860	4.9425	ug/L	100
31)	Carbon Tetrachloride	6.01	117	57890	5.1726	ug/L	99
33)	Benzene	6.24	78	207001	5.3998	ug/L	100
34)	Trichloroethene	6.98	95	49725	5.1675	ug/L	100
36)	Methylcyclohexane	7.22	83	90494	5.0955	ug/L	99
37)	1,2-Dichloropropane	7.28	63	46537	5.4454	ug/L	99
38)	Bromodichloromethane	7.62	83	60336	5.3822	ug/L	100
39)	cis-1,3-Dichloropropene	8.20	75	73642	5.3937	ug/L	100
40)	4-Methyl-2-Pentanone	8.40	43	290047	48.7254	ug/L	100
42)	Toluene	8.66	91	233648	5.4504	ug/L	99
44)	trans-1,3-Dichloropropene	8.97	75	61325	5.2781	ug/L	100
45)	1,1,2-Trichloroethane	9.24	97	34136	5.1154	ug/L	98
46)	Tetrachloroethene	9.44	164	45829	5.1212	ug/L	99
48)	2-Hexanone	9.60	43	199093	48.2163	ug/L	100
49)	Dibromochloromethane	9.83	129	41608	5.2312	ug/L	99
50)	1,2-Dibromoethane	10.01	107	32712	5.1278	ug/L	99
51)	Chlorobenzene	10.75	112	147264	5.4320	ug/L	100
52)	Ethylbenzene	10.90	91	260647	5.4771	ug/L	100
53)	m,p-Xylene	11.07	106	100987	5.4350	ug/L	99
54)	o-Xylene	11.60	106	94330	5.4699	ug/L	100
55)	Styrene	11.62	104	155204	5.5781	ug/L	99
56)	Isopropylbenzene	12.05	105	248068	5.4865	ug/L	100
58)	1,1,2,2-Tetrachloroethane	12.41	83	38506	4.9141	ug/L	99
60)	Bromoform	11.86	173	24434	5.0578	ug/L	99
61)	1,3-Dichlorobenzene	13.37	146	112814	5.2743	ug/L	99
62)	1,4-Dichlorobenzene	13.45	146	118079	5.2377	ug/L	100
64)	1,2-Dichlorobenzene	13.79	146	101062	5.1934	ug/L	100
65)	1,2-Dibromo-3-chloropropan	14.48	75	5120	4.7005	ug/L	98
66)	1,2,4-Trichlorobenzene	15.21	180	61891	4.8551	ug/L	100
67)	1,2,3-Trichlorobenzene	15.70	180	51129	4.6583	ug/L	99

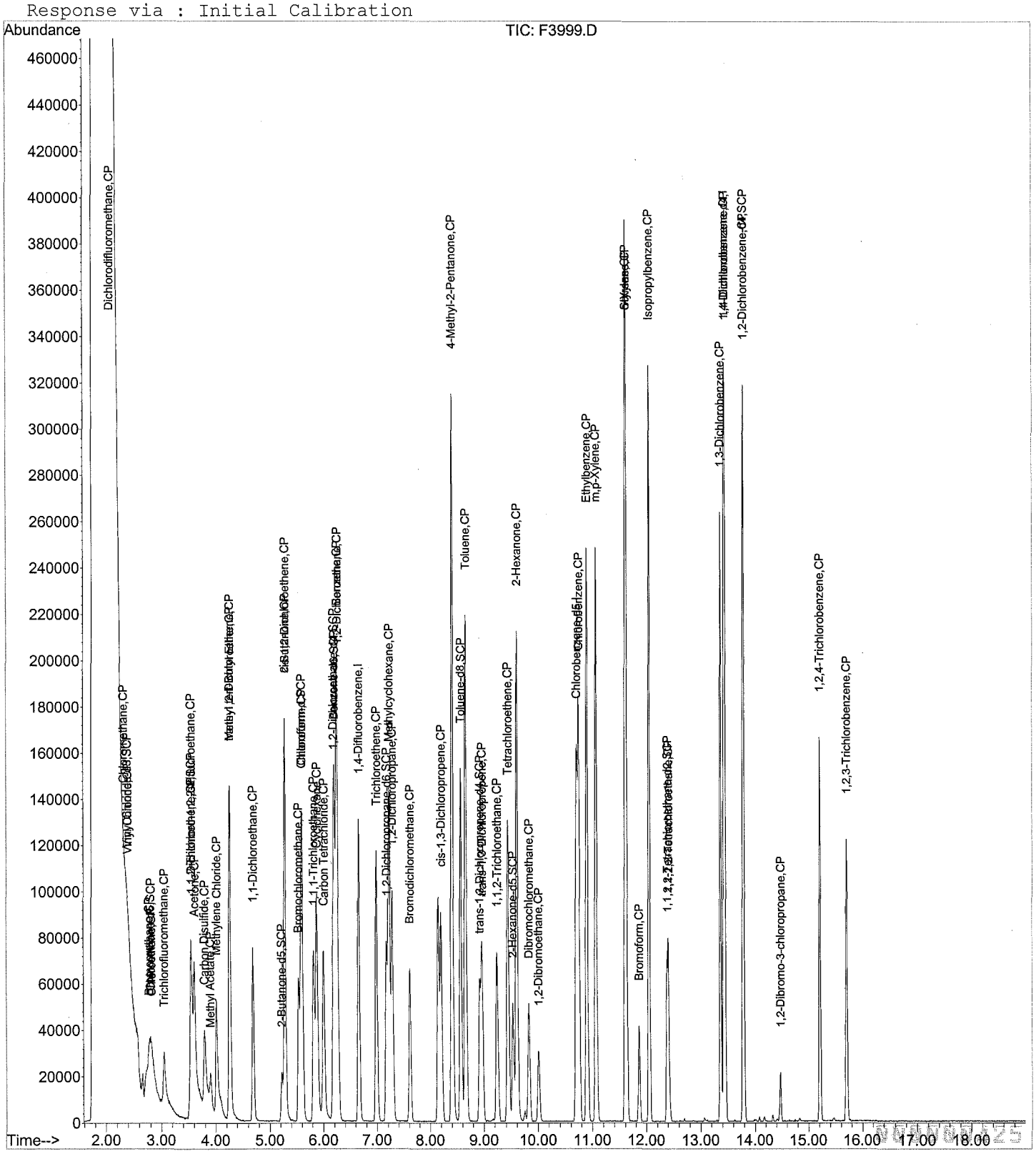
00000424

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3999.D Vial: 49
Acq On : 08/13/2010 1814 Operator: AC
Sample : 0H13002-CCV2 Inst : F-5973
Misc : VSTD0058Q 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 18:49 2010 Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\F3999.D
Acq On : 08/13/2010 1814
Sample : 0H13002-CCV2
Misc : VSTD0058Q 25ML
MS Integration Params: RTEINT.P

Vial: 49
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

8/16/10

8/16/10

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Difluorobenzene	1.00000	1.00000	0.00	83	0.00
2	CP	Dichlorodifluoromethane	0.15786	0.18452	16.89	87	-0.02
3	CP	Chloromethane	0.30389	0.37981	24.98	99	-0.02
4	SCP	Vinyl Chloride-d3	0.25094	0.23089	-7.99	68	-0.02
5	CP	Vinyl Chloride	0.34402	0.40002	16.28	90	-0.02
6	CP	Bromomethane	0.25717	0.37252	44.85#	91	0.00
7	SCP	Chloroethane-d5	0.22845	0.26196	14.67	76	0.00
8	CP	Chloroethane	0.23186	0.29730	28.22	91	0.00
9	CP	Trichlorofluoromethane	0.48690	0.50881	4.50	79	0.00
10	SCP	1,1-Dichloroethene-d2	0.44438	0.39428	-11.27	66	0.00
11	CP	1,1-Dichloroethene	0.23403	0.26173	11.83	81	0.00
12	CP	1,1,2-Trichloro-1,2,2-trifl	0.20378	0.27253	33.74	104	0.00
13	CP	Acetone	0.05294	0.05137	-2.98	73	0.00
14	CP	Carbon Disulfide	0.83111	0.88829	6.88	84	0.00
15	CP	Methyl Acetate	0.13519	0.13163	-2.63	70	0.00
16	CP	Methylene Chloride	0.27640	0.30853	11.62	86	0.00
17	CP	trans-1,2-Dichloroethene	0.29659	0.33069	11.50	86	0.00
18	CP	Methyl tert-Butyl Ether	0.53792	0.54261	0.87	75	0.00
19	CP	1,1-Dichloroethane	0.50162	0.58088	15.80	90	0.00
20	SCP	2-Butanone-d5	0.02278	0.02324	2.05	73	0.00
21	CP	cis-1,2-Dichloroethene	0.32497	0.37458	15.26	89	0.00
22	CP	2-Butanone	0.08761	0.08837	0.87	73	0.00
23	CP	Bromochloromethane	0.14418	0.16361	13.47	86	0.00
24	SCP	Chloroform-d	0.49601	0.53848	8.56	81	0.00
25	CP	Chloroform	0.53303	0.61493	15.37	90	0.00
26	SCP	1,2-Dichloroethane-d4	0.27656	0.29101	5.23	82	0.00
27	CP	1,2-Dichloroethane	0.37691	0.41320	9.63	83	0.00
28	I	Chlorobenzene-d5	1.00000	1.00000	0.00	88	0.00
29	CP	1,1,1-Trichloroethane	0.45685	0.46041	0.78	84	0.00
30	CP	Cyclohexane	0.45914	0.45386	-1.15	79	0.00
31	CP	Carbon Tetrachloride	0.41056	0.42473	3.45	86	0.00
32	SCP	Benzene-d6	1.16845	1.14518	-1.99	78	0.00
33	CP	Benzene	1.40627	1.51873	8.00	90	0.00
34	CP	Trichloroethene	0.35300	0.36482	3.35	87	0.00
35	SCP	1,2-Dichloropropane-d6	0.37787	0.37865	0.21	84	0.00
36	CP	Methylcyclohexane	0.65150	0.66394	1.91	82	0.00
37	CP	1,2-Dichloropropane	0.31351	0.34143	8.91	90	0.00
38	CP	Bromodichloromethane	0.41124	0.44267	7.64	89	0.00
39	CP	cis-1,3-Dichloropropene	0.50086	0.54030	7.87	87	0.00
40	CP	4-Methyl-2-Pentanone	0.21837	0.21280	-2.55	74	0.00
41	SCP	Toluene-d8	1.13625	1.11171	-2.16	78	0.00
42	CP	Toluene	1.57257	1.71423	9.01	90	0.00
43	SCP	trans-1,3-Dichloropropene-d	0.33979	0.34396	1.23	81	0.00
44	CP	trans-1,3-Dichloropropene	0.42622	0.44993	5.56	84	0.00
45	CP	1,1,2-Trichloroethane	0.24480	0.25045	2.31	82	0.00
46	CP	Tetrachloroethene	0.32828	0.33624	2.42	86	0.00
47	SCP	2-Hexanone-d5	0.01996	0.01962	-1.67	73	0.00
48	CP	2-Hexanone	0.15147	0.14607	-3.57	72	0.00
49	CP	Dibromochloromethane	0.29178	0.30527	4.62	84	0.00
50	CP	1,2-Dibromoethane	0.23402	0.24000	2.56	81	0.00
51	CP	Chlorobenzene	0.99452	1.08045	8.64	89	0.00
52	CP	Ethylbenzene	1.74573	1.91232	9.54	90	0.00
53	CP	m,p-Xylene	0.68162	0.74092	8.70	89	0.00

000000426

54	CP	o-Xylene	0.63262	0.69208	9.40	89	0.00
55	CP	Styrene	1.02069	1.13870	11.56	90	0.00
56	CP	Isopropylbenzene	1.65863	1.82003	9.73	89	0.00
57	SCP	1,1,2,2-Tetrachloroethane-d	0.25917	0.24732	-4.57	77	0.00
58	CP	1,1,2,2-Tetrachloroethane	0.28745	0.28251	-1.72	77	0.00
59	I	1,4-Dichlorobenzene-d4	1.00000	1.00000	0.00	89	0.00
60	CP	Bromoform	0.31533	0.31897	1.16	82	0.00
61	CP	1,3-Dichlorobenzene	1.39613	1.47273	5.49	87	0.00
62	CP	1,4-Dichlorobenzene	1.47150	1.54146	4.75	87	0.00
63	SCP	1,2-Dichlorobenzene-d4	0.72518	0.69928	-3.57	80	0.00
64	CP	1,2-Dichlorobenzene	1.27017	1.31931	3.87	85	0.00
65	CP	1,2-Dibromo-3-chloropropane	0.07110	0.06684	-5.99	71	0.00
66	CP	1,2,4-Trichlorobenzene	0.83206	0.80796	-2.90	80	0.00
67	CP	1,2,3-Trichlorobenzene	0.71642	0.66746	-6.83	76	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1
F3983.D SOTF3983.M Mon Aug 16 12:11:53 2010

CLPBFB

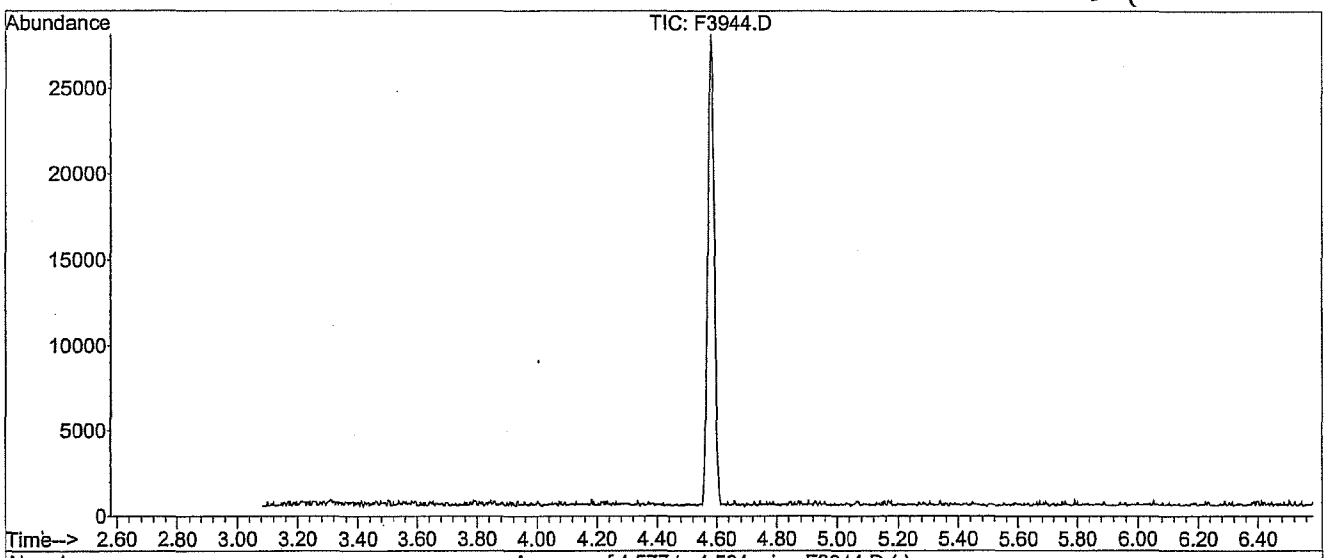
Data File : C:\MSDCHEM\1\DATA\F3944.D
Acq On : 08/11/2010 1746
Sample : 0H12003-TUN1
Misc : BFB8JK 50NG
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

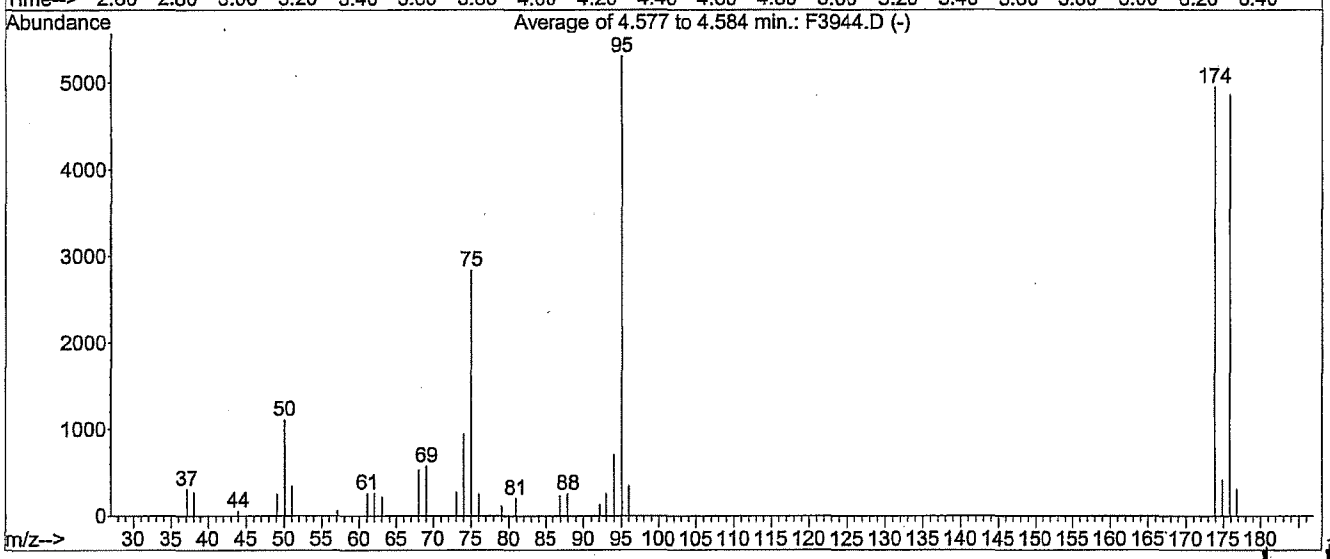
Vial: 1
Operator: AC
Inst : F-5973
Multiplr: 1.00

8/12/10

8/12/10

8/17/10





AutoFind: Scans 466, 467, 468; Background Corrected with Scan 456

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	1105	PASS
75	95	30	80	53.4	2830	PASS
95	95	100	100	100.0	5301	PASS
96	95	5	9	6.4	341	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	93.3	4947	PASS
175	174	5	9	8.4	414	PASS
176	174	95	101	98.2	4857	PASS
177	176	5	9	6.2	302	PASS

ORIGINAL COPY
Case: 40332 SDG: C04Y6
Episode: 0012600 Int./Date: 8/17/10

F3944.D SOTF3949.M Thu Aug 12 10:51:41 2010

CLPBFB

Data File : C:\MSDCHEM\1\DATA\F3944.D
Acq On : 08/11/2010 1746
Sample : 0H12003-TUN1
Misc : BFB8 50NG
MS Integration Params: RTEINT.P

Vial: 1
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Scan 467 (4.581 min): F3944.D
0H12003-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	297	69.10	649	94.00	677		
38.00	252	73.00	274	95.00	5497		
40.00	727	74.10	917	96.00	358		
44.00	150	75.10	2937	173.90	5191		
49.10	243	76.10	299	174.90	448		
50.10	1144	79.00	152	175.90	4865		
51.10	300	80.90	231	176.90	286		
61.10	242	86.90	236				
62.00	281	88.00	226				
63.00	216	92.10	186				
68.10	564	93.00	280				

CLPBFB

Data File : C:\MSDCHEM\1\DATA\F3944.D
Acq On : 08/11/2010 1746
Sample : 0H12003-TUN1
Misc : BFB8 50NG
MS Integration Params: RTEINT.P

Vial: 1
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Scan 466 (4.577 min): F3944.D
0H12003-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	308	69.00	529	94.00	706		
38.10	229	73.00	259	95.10	5173		
40.00	630	74.00	929	96.10	374		
49.00	246	75.00	2653	173.90	4653		
50.10	1054	76.00	212	174.90	372		
51.10	369	79.00	159	175.90	4641		
57.10	163	80.90	180	176.80	248		
61.00	278	87.00	226				
62.00	222	87.90	285				
63.10	207	92.10	179				
68.00	496	92.90	248				

CLPBFB

Data File : C:\MSDCHEM\1\DATA\F3944.D
Acq On : 08/11/2010 1746
Sample : 0H12003-TUN1
Misc : BFB8~~3~~ K 50NG
MS Integration Params: RTEINT.P

Vial: 1
Operator: AC
Inst : F-5973
Multiplr: 1.00

Jm 8/12/10

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Scan 468 (4.584 min): F3944.D
0H12003-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	301	73.10	279	173.90	4998		
38.00	320	74.10	984	174.90	423		
40.00	749	75.10	2901	175.90	5065		
49.10	252	76.10	235	176.90	374		
50.10	1119	80.90	178				
51.00	360	86.90	224				
61.10	249	88.00	236				
62.00	258	93.00	235				
63.00	218	94.00	716				
68.00	520	95.10	5233				
69.10	528	96.00	292				

CLPBFB

Data File : C:\MSDCHEM\1\DATA\F3944.D
Acq On : 08/11/2010 1746
Sample : 0H12003-TUN1
Misc : BFB8~~0~~ 50NG
MS Integration Params: RTEINT.P

Vial: 1
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3949.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Scan 456 (4.545 min): F3944.D
0H12003-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.00	695						

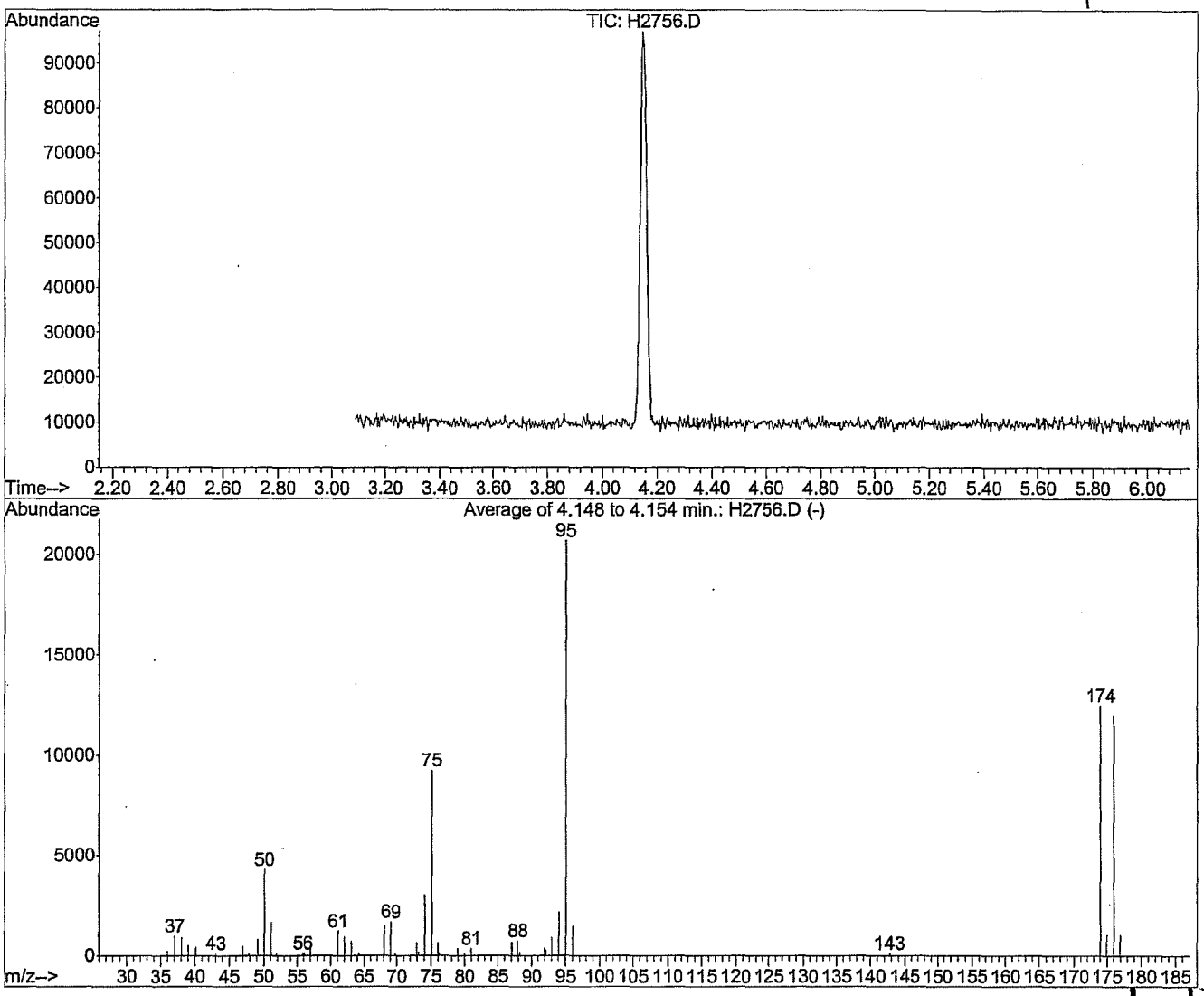
CLPBFB

Data File : C:\MSDCHEM\1\DATA\H2756.D
Acq On : 08/12/2010 1108
Sample : 0H12006-TUN1
Misc : BFB5P 50NG
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

Vial: 1
Operator: AC
Inst : H-5975
Multiplr: 1.00

8/12/10

8/12/10



AutoFind: Scans 331, 332, 333; Background Corrected with Scan 320

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	4273	PASS
75	95	30	60	44.6	9218	PASS
95	95	100	100	100.0	20682	PASS
96	95	5	9	7.2	1479	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	60.2	12447	PASS
175	174	5	9	8.2	1022	PASS
176	174	95	101	96.3	11992	PASS
177	176	5	9	8.3	999	PASS

ORIGINAL COPY
Case: 40415 SDG: F3L04
Episode: 0012601 Int./Date: 08/17/10

H2756.D SOTH2758.M Thu Aug 12 15:04:12 2010

CLPBFB

Data File : C:\MSDCHEM\1\DATA\H2756.D
Acq On : 08/12/2010 1108
Sample : 0H12006-TUN1
Misc : BFB5P 50NG
MS Integration Params: RTEINT.P

Vial: 1
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Scan 332 (4.151 min): H2756.D
0H12006-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	329	56.10	311	79.00	474	176.00	12172
37.10	884	57.00	381	81.00	464	177.00	1125
38.20	709	61.00	1328	87.10	645		
38.90	365	62.10	1043	88.00	1118		
40.10	7425	63.00	692	92.20	805		
44.20	1234	68.10	1509	93.00	1185		
47.00	458	69.00	1990	94.10	1801		
49.10	672	72.90	1034	95.10	21184		
50.10	5195	74.10	3068	96.10	1539		
51.10	1897	75.10	9383	174.00	11267		
51.90	265	76.20	355	175.00	877		

CLPBFB

Data File : C:\MSDCHEM\1\DATA\H2756.D
Acq On : 08/12/2010 1108
Sample : 0H12006-TUN1
Misc : BFB5P 50NG
MS Integration Params: RTEINT.P

Vial: 1
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Scan 331 (4.148 min): H2756.D
0H12006-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	316	56.90	365	81.00	561	176.00	11869
37.00	1278	61.10	1126	87.00	599	176.90	1254
38.10	943	62.00	762	87.90	644		
39.10	695	63.10	542	92.00	750		
40.10	8786	68.00	1696	93.10	908		
44.10	1592	69.10	1604	94.10	2136		
47.00	486	73.20	559	95.10	20368		
49.10	666	74.10	2764	96.00	1300		
50.10	4082	75.10	10080	142.80	256		
51.10	1661	76.00	1244	174.00	13248		
55.90	329	80.00	287	174.90	1315		

CLPBFB

Data File : C:\MSDCHEM\1\DATA\H2756.D
Acq On : 08/12/2010 1108
Sample : 0H12006-TUN1
Misc : BFB5P 50NG
MS Integration Params: RTEINT.P

Vial: 1
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Scan 333 (4.154 min): H2756.D
0H12006-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	722	57.10	761	76.00	605	175.00	876
38.00	994	61.00	1168	78.90	566	176.00	11936
39.10	378	62.00	916	87.00	685	176.90	620
40.10	8986	63.10	844	87.80	405		
43.10	261	64.20	263	88.20	448		
44.00	1675	68.00	1264	92.00	366		
47.00	307	69.10	1403	93.10	555		
47.90	253	69.80	270	94.00	2516		
49.20	993	73.00	856	95.10	20496		
50.10	3543	74.10	3234	96.10	1599		
51.10	1308	75.10	8193	174.00	12827		

CLPBFB

Data File : C:\MSDCHEM\1\DATA\H2756.D Vial: 1
Acq On : 08/12/2010 1108 Operator: AC
Sample : 0H12006-TUN1 Inst : H-5975
Misc : BFB5P 50NG Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\SOTH2758.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Scan 320 (4.112 min): H2756.D
0H12006-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.10	8015						
44.00	1614						

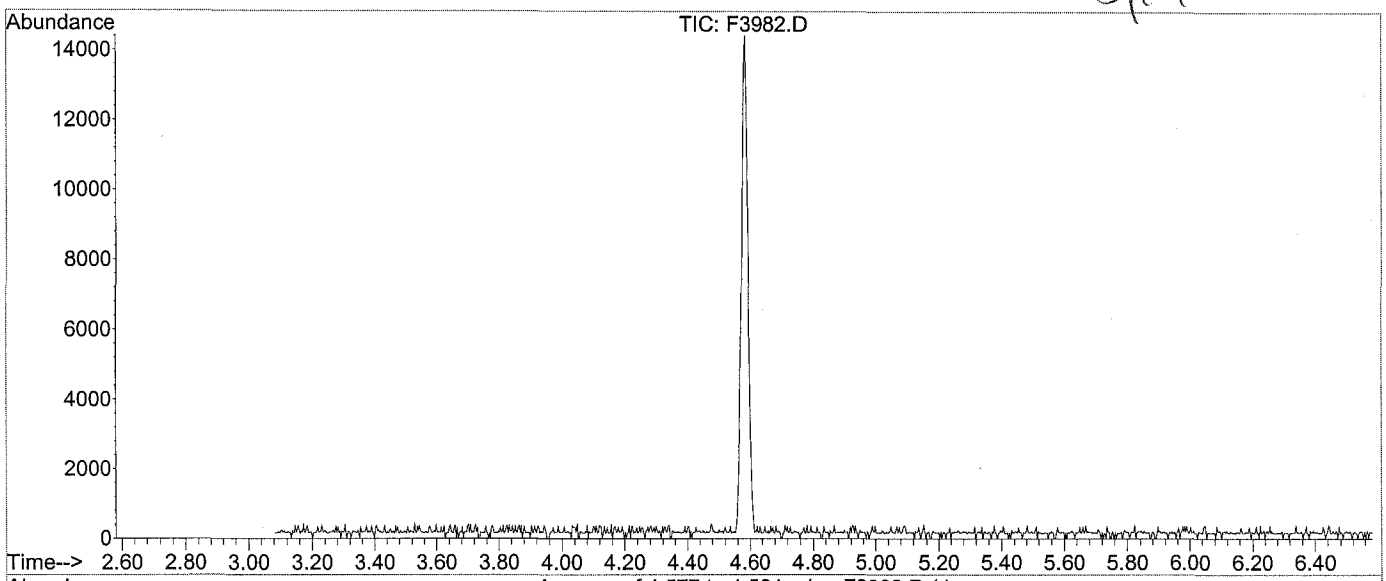
CLPBFB

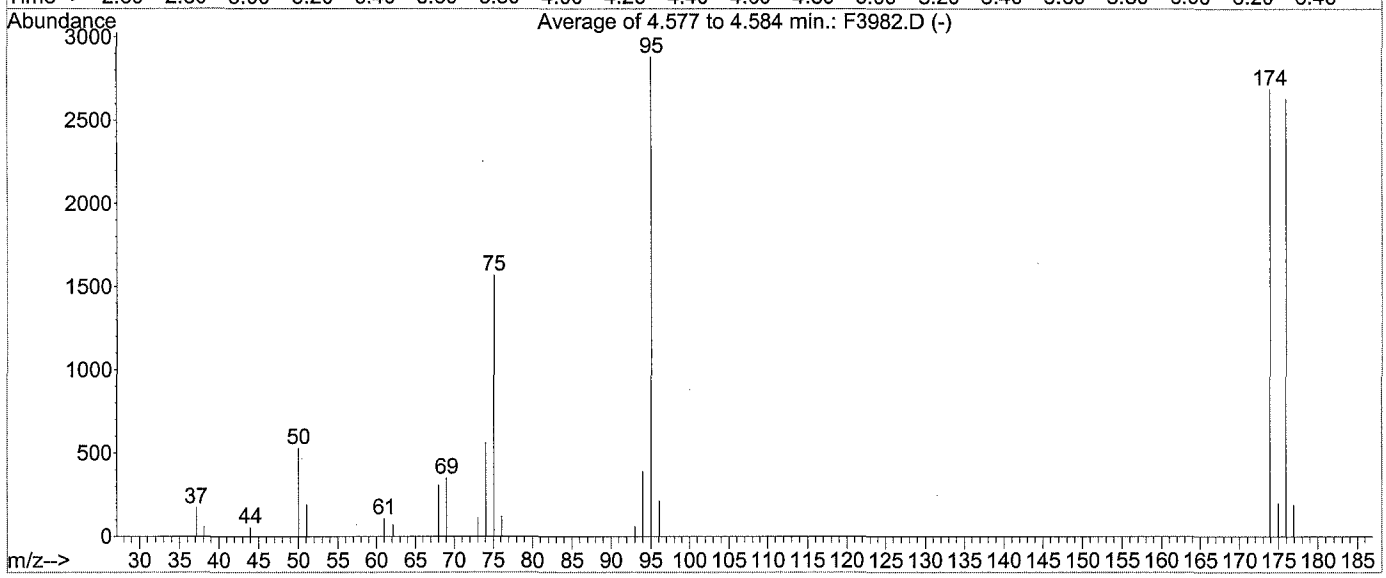
Data File : C:\MSDCHEM\1\DATA\F3982.D
Acq On : 08/13/2010 0944
Sample : 0H13002-TUN1
Misc : BFB8P 50NG
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 30
Operator: AC
Inst : F-5973
Multiplr: 1.00

8/16/10

8/16/10





AutoFind: Scans 466, 467, 468; Background Corrected with Scan 457

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	526	PASS
75	95	30	80	54.4	1565	PASS
95	95	100	100	100.0	2878	PASS
96	95	5	9	7.4	212	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	93.2	2683	PASS
175	174	5	9	7.3	196	PASS
176	174	95	101	97.8	2624	PASS
177	176	5	9	7.1	187	PASS

F3982.D SOTF3983.M Fri Aug 13 18:09:06 2010

ORIGINAL COPY
Case: 40415 SDG: F3L05
Episode: 002602 Int./Date: 8/17/10

CLPBFB

Data File : C:\MSDCHEM\1\DATA\F3982.D
Acq On : 08/13/2010 0944
Sample : 0H13002-TUN1
Misc : BFB8P 50NG
MS Integration Params: RTEINT.P

Vial: 30
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Scan 467 (4.581 min): F3982.D
0H13002-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	170	94.00	377				
38.10	171	95.00	3042				
40.00	198	96.00	236				
50.10	557	173.90	2685				
51.00	170	175.00	215				
61.00	159	175.90	2780				
67.90	274	176.90	185				
69.00	373						
74.10	578						
75.10	1578						
93.00	174						

CLPBFB

Data File : C:\MSDCHEM\1\DATA\F3982.D Vial: 30
Acq On : 08/13/2010 0944 Operator: AC
Sample : 0H13002-TUN1 Inst : F-5973
Misc : BFB8P 50NG Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Scan 466 (4.577 min): F3982.D
0H13002-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	193	95.10	2671				
44.00	156	96.10	207				
50.10	451	173.90	2446				
51.10	190	174.90	182				
68.10	320	176.00	2304				
69.10	325	176.90	154				
73.00	162						
74.00	491						
75.10	1467						
76.10	174						
94.00	372						

CLPBFB

Data File : C:\MSDCHEM\1\DATA\F3982.D
Acq On : 08/13/2010 0944
Sample : 0H13002-TUN1
Misc : BFB8P 50NG
MS Integration Params: RTEINT.P

Vial: 30
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Scan 468 (4.584 min): F3982.D
0H13002-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.20	150	76.10	175				
40.10	192	94.00	413				
50.00	571	95.00	2923				
51.10	206	96.00	194				
61.00	158	173.90	2920				
62.10	205	175.00	193				
68.00	332	175.90	2788				
69.00	348	176.90	224				
73.00	166						
74.00	605						
75.10	1650						

CLPBFB

Data File : C:\MSDCHEM\1\DATA\F3982.D
Acq On : 08/13/2010 0944
Sample : 0H13002-TUN1
Misc : BFB8P 50NG
MS Integration Params: RTEINT.P

Vial: 30
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Scan 457 (4.548 min): F3982.D
0H13002-TUN1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.00	210						

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK7T

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-20

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3998.D

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK7T

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-20

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3998.D

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VHBLK7T

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0012602-20

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3998.D

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3998.D
Acq On : 08/13/2010 1745
Sample : 0012602-20
Misc : VHBLK7T 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 18:07:40 2010

Vial: 47
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

8/16/10

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	146006	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	136142	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	67706	5.0000 ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.41	65	36383	4.9651 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 99.30%		
7) Chloroethane-d5	2.81	69	39342	5.8974 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 117.95%		
10) 1,1-Dichloroethene-d2	3.54	63	43257	3.3335 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 66.67%		
20) 2-Butanone-d5	5.22	46	30413	45.7287 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 91.46%		
24) Chloroform-d	5.58	84	75813	5.2342 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 104.68%		
26) 1,2-Dichloroethane-d4	6.17	65	42126	5.2164 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 104.33%		
32) Benzene-d6	6.20	84	166676	5.2389 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 104.78%		
35) 1,2-Dichloropropane-d6	7.17	67	47971	4.6624 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 93.25%		
41) Toluene-d8	8.57	98	162228	5.2436 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 104.87%		
43) trans-1,3-Dichloropropene-	8.93	79	45601	4.9289 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 98.58%		
47) 2-Hexanone-d5	9.53	63	23082	42.4803 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 84.96%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	31723	4.4954 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 89.91%		
63) 1,2-Dichlorobenzene-d4	13.78	152	50793	5.1725 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 103.45%		

Target Compounds Qvalue

000000446

(#) = qualifier out of range (m) = manual integration (+) = signals summed

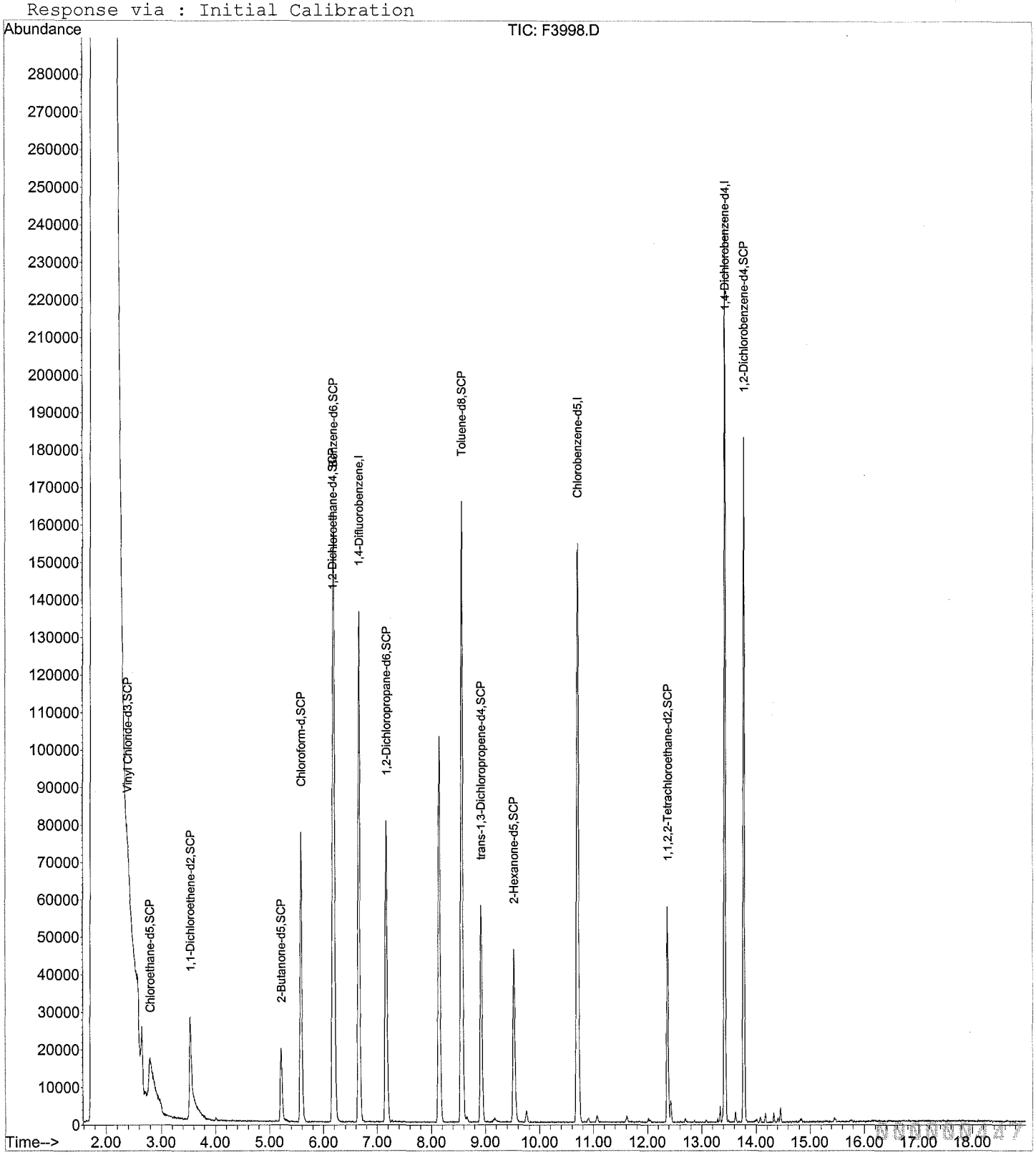
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3998.D
Acq On : 08/13/2010 1745
Sample : 0012602-20
Misc : VHBLK7T 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 18:08 2010

Vial: 47
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3998.D Vial: 47
Acq On : 08/13/2010 1745 Operator: AC
Sample : 0012602-20 Inst : F-5973
Misc : VHBLK7T 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 40
Stop Thrs : 0.5 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

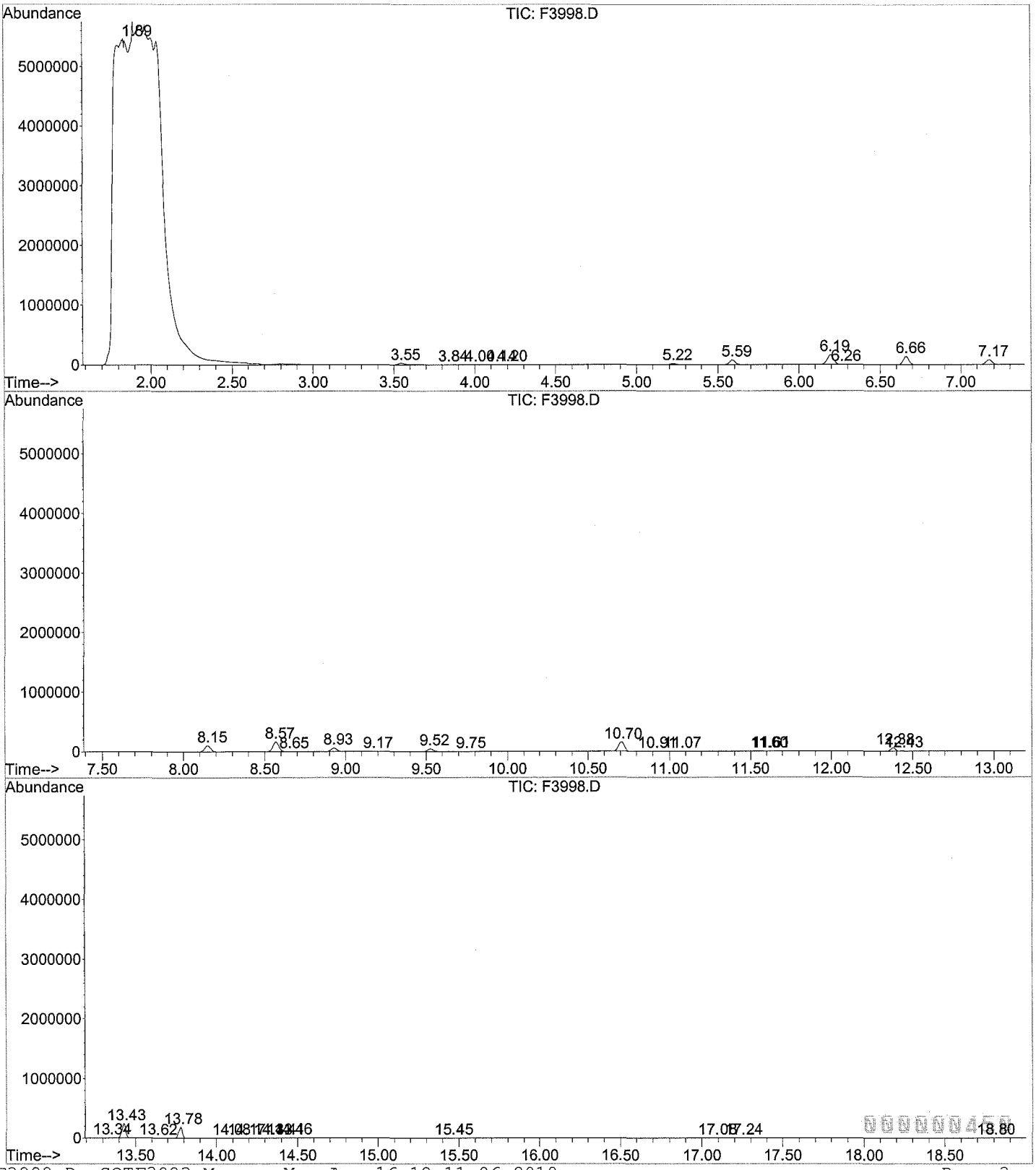
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.893	36	97	576	rBV	5741778	111729951	100.00%	96.931%
2	3.546	599	612	702	rVB2	27378	114924	0.10%	0.100%
3	3.841	702	704	733	rVB2	781	2153	0.00%	0.002%
4	4.004	753	755	777	rVB3	974	1612	0.00%	0.001%
5	4.139	777	797	814	rVB2	573	2629	0.00%	0.002%
6	4.203	814	817	847	rBV2	463	1794	0.00%	0.002%
7	5.224	1120	1135	1158	rBV2	19550	47938	0.04%	0.042%
8	5.586	1231	1248	1283	rBV2	77460	187187	0.17%	0.162%
9	6.193	1416	1437	1457	rBV3	162493	453469	0.41%	0.393%
10	6.264	1457	1459	1472	rVB2	1219	1225	0.00%	0.001%
11	6.661	1565	1583	1607	rBV2	136194	328258	0.29%	0.285%
12	7.172	1723	1742	1764	rVB3	80470	207327	0.19%	0.180%
13	8.150	2028	2047	2074	rBV	103018	257861	0.23%	0.224%
14	8.568	2158	2177	2203	rBV	165576	415039	0.37%	0.360%
15	8.654	2203	2204	2214	rVB4	1359	1688	0.00%	0.001%
16	8.927	2272	2289	2309	rBV3	57966	143080	0.13%	0.124%
17	9.174	2364	2366	2387	rVB3	1128	1857	0.00%	0.002%
18	9.524	2459	2475	2509	rVB2	46200	116248	0.10%	0.101%
19	9.748	2535	2545	2563	rVB6	3172	6615	0.01%	0.006%
20	10.705	2823	2843	2869	rVB2	154414	400296	0.36%	0.347%
21	10.913	2900	2908	2914	rVB4	1141	1884	0.00%	0.002%
22	11.067	2951	2956	2970	rVB3	1726	3256	0.00%	0.003%
23	11.603	3116	3123	3124	rBV2	1001	1088	0.00%	0.001%
24	11.613	3124	3126	3139	rVB5	1777	2243	0.00%	0.002%
25	12.380	3352	3365	3376	rBV3	57551	106595	0.10%	0.092%
26	12.434	3376	3382	3395	rVB3	5796	10006	0.01%	0.009%
27	13.342	3654	3665	3670	rBV6	4278	4774	0.00%	0.004%
28	13.429	3670	3692	3706	rBV	240736	393600	0.35%	0.341%
29	13.625	3746	3753	3764	rVB4	2917	4205	0.00%	0.004%
30	13.779	3786	3801	3815	rBV	182812	298448	0.27%	0.259%
31	14.077	3887	3894	3902	rVB4	1502	2082	0.00%	0.002%
32	14.170	3915	3923	3932	rVB3	2479	3109	0.00%	0.003%
33	14.334	3969	3974	3987	rVB5	2635	3057	0.00%	0.003%
34	14.411	3992	3998	4003	rVV3	1300	1715	0.00%	0.001%
35	14.456	4003	4012	4022	rVB4	3955	5346	0.00%	0.005%
36	15.454	4319	4323	4339	rVB3	1165	2044	0.00%	0.002%
37	17.081	4809	4830	4841	rVB3	395	1062	0.00%	0.001%
38	17.241	4875	4880	4894	rBV3	437	1144	0.00%	0.001%
39	18.798	5364	5365	5384	rBV2	552	1290	0.00%	0.001%

00000448

Sum of corrected areas: 115268099

LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3998.D Vial: 47
Acq On : 08/13/2010 1745 Operator: AC
Sample : 0012602-20 Inst : F-5973
Misc : VHBLK7T 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML



Library Search Compound Report

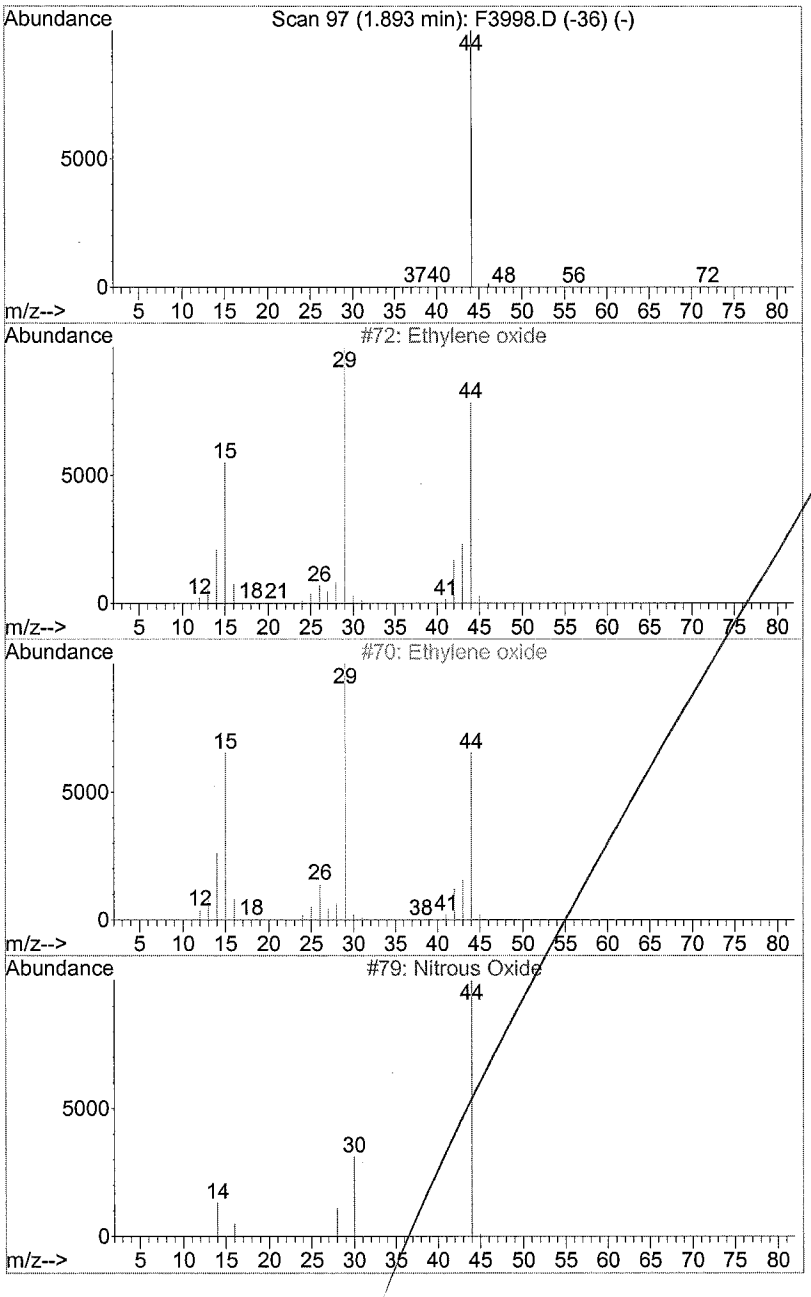
```
   Data File : C:\MSDCHEM\1\DATA\F3998.D                    Vial: 47
   Acq On    : 08/13/2010  1745                         Operator: AC
   Sample    : 0012602-20                               Inst    : F-5973
   Misc      : VHBLK7T   25ML                           Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
```

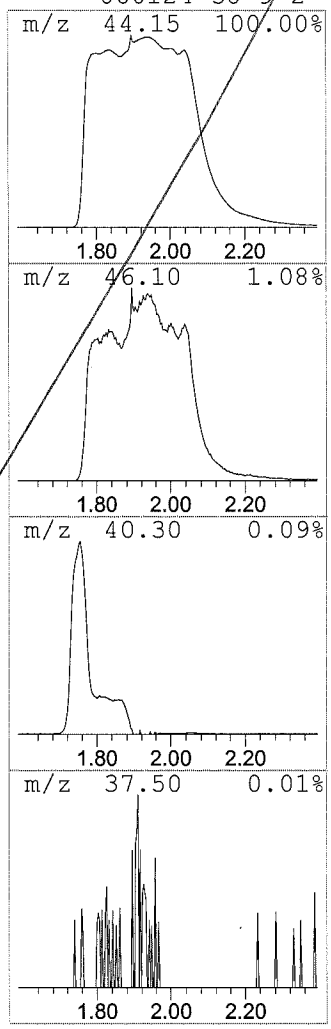
****

Peak Number 1 Ethylene oxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.89	1701.86 ug/L	111730000	1,4-Difluorobenzene	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	3
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Nitrous Oxide	44	N2O	010024-97-2	2
4	Carbon dioxide	44	CO2	000124-38-9	2





CO2

000000451

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3998.D Vial: 47
Acq On : 08/13/2010 1745 Operator: AC
Sample : 0012602-20 Inst : F-5973
Misc : VHBLK7T 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

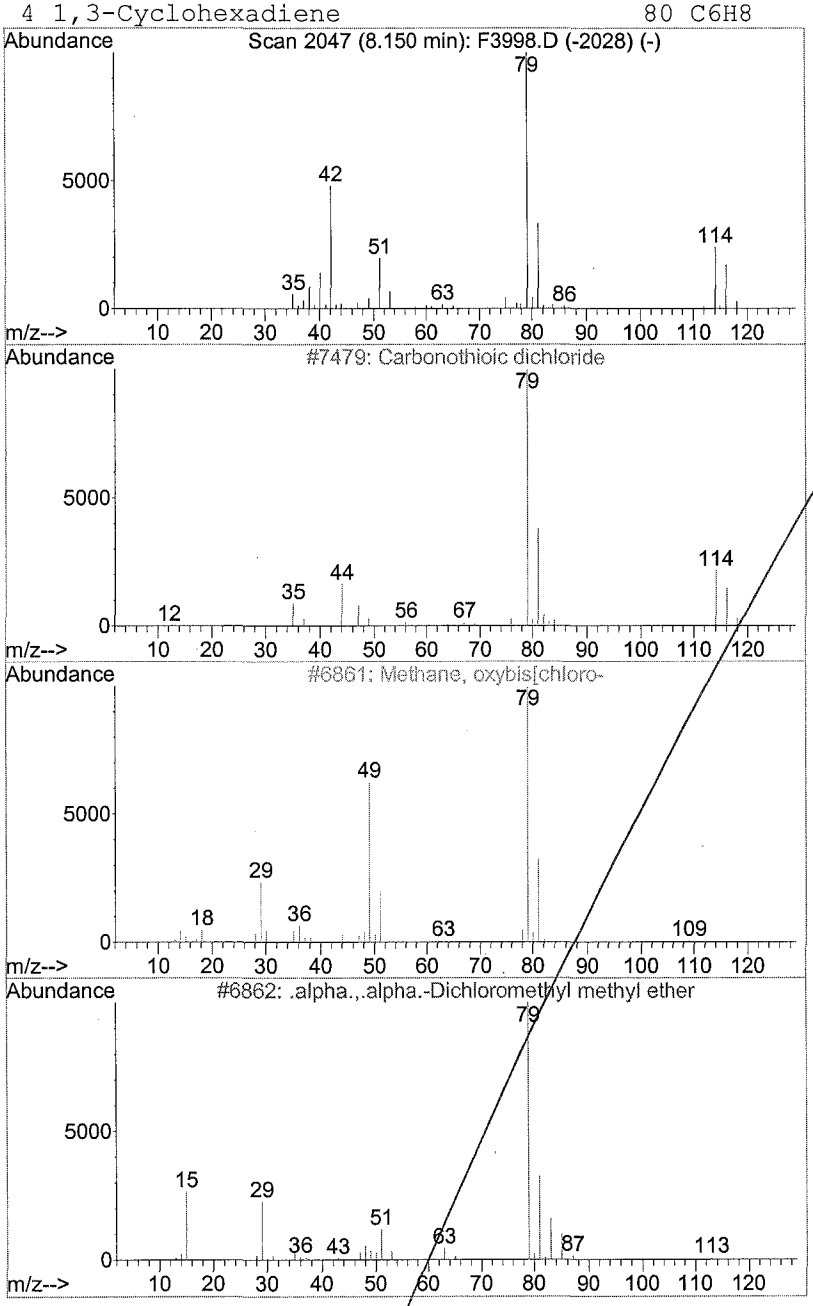
****

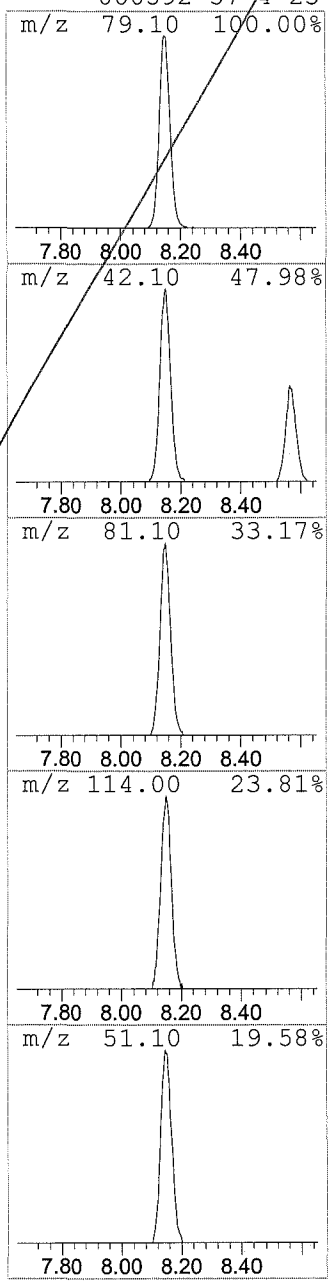
Peak Number 2 Carbonothioic dichloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.93 ug/L	257861	1,4-Difluorobenzene	6.66

Dme category

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	52
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	47
3	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	37
4	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25





000000452

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 17:45
Data File: C:\MSDCHEM\1\DATA\F3998.D
Name: 0012602-20
Misc: VHBLK7T 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Ethylene oxide	1.89	1701.9	ug/L	111730000	1	6.66	328258	5.0
Carbonothioic dic...	8.15	3.9	ug/L	257861	1	6.66	328258	5.0

000000453

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5Q

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-BLK1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2773.D

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5Q

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-BLK1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2773.D

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLK5Q

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-BLK1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2773.D

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2773.D
Acq On : 08/12/2010 1950
Sample : 0080085-BLK1
Misc : VBLK5Q 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:29:18 2010

Vial: 20
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	237618	5.0000	ug/L	0.00
28) Chlorobenzene-d5	9.33	117	208022	5.0000	ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.88	152	100546	5.0000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.51	65	11830	3.6868	ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 73.74%			
7) Chloroethane-d5	1.84	69	9517	4.0032	ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 80.06%			
10) 1,1-Dichloroethene-d2	2.48	63	93071	3.3063	ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 66.13%			
20) 2-Butanone-d5	4.04	46	171760	55.5784	ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 111.16%			
24) Chloroform-d	4.39	84	134764	4.3800	ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 87.60%			
26) 1,2-Dichloroethane-d4	4.91	65	93361	4.7646	ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 95.29%			
32) Benzene-d6	4.94	84	255795	4.5582	ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 91.16%			
35) 1,2-Dichloropropane-d6	5.87	67	75087	4.4874	ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 89.75%			
41) Toluene-d8	7.27	98	227673	4.4167	ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 88.33%			
43) trans-1,3-Dichloropropene-	7.63	79	77051	4.4785	ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 89.57%			
47) 2-Hexanone-d5	8.25	63	45219	52.8013	ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 105.60%			
57) 1,1,2,2-Tetrachloroethane-	11.47	84	45221	4.3437	ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 86.87%			
63) 1,2-Dichlorobenzene-d4	13.28	152	72966	4.5004	ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 90.01%			

Target Compounds Qvalue

ORIGINAL COPY

Case: 40415 SDG: F3L04

Episode: 0012601 Int./Date: 08/17/10

000000457

(#) = qualifier out of range (m) = manual integration (+) = signals summed

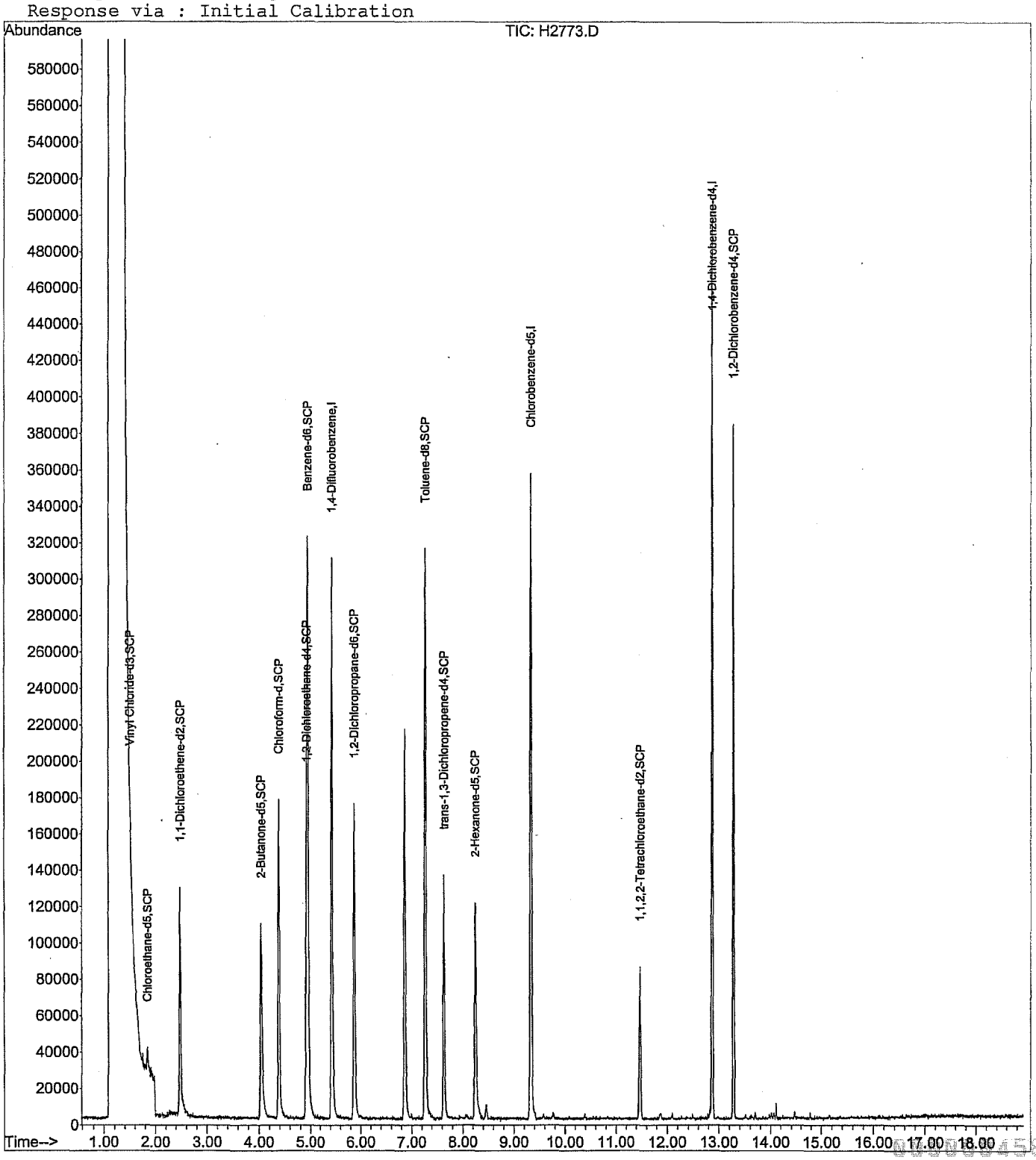
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2773.D
Acq On : 08/12/2010 1950
Sample : 0080085-BLK1
Misc : VBLK5Q 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 16:17 2010

Vial: 20
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\H2773.D
Acq On : 08/12/2010 1950
Sample : 0080085-BLK1
Misc : VBLK5Q 25ML
MS Integration Params: Lscint.p

Vial: 20
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.690	28	33	36	rVB	1673	1669	0.00%	0.002%
2	1.159	153	179	322	rBV	7546139	86344966	100.00%	93.024%
3	1.747	360	362	364	rVB2	7534	3106	0.00%	0.003%
4	2.156	487	489	492	rBV3	2077	1570	0.00%	0.002%
5	2.406	562	567	570	rBV3	1954	2161	0.00%	0.002%
6	2.480	580	590	604	rBV2	124627	213184	0.25%	0.230%
7	4.037	1059	1074	1096	rBV2	107493	263779	0.31%	0.284%
8	4.384	1169	1182	1199	rBV	175563	345165	0.40%	0.372%
9	4.464	1205	1207	1211	rVB	3003	1512	0.00%	0.002%
10	4.943	1335	1356	1380	rBV6	319901	857320	0.99%	0.924%
11	5.027	1380	1382	1388	rVV5	5642	4879	0.01%	0.005%
12	5.056	1390	1391	1398	rVB4	1675	1510	0.00%	0.002%
13	5.429	1493	1507	1529	rBV	307921	627464	0.73%	0.676%
14	5.873	1633	1645	1666	rBV4	173011	371102	0.43%	0.400%
15	5.943	1666	1667	1672	rVB5	3059	1991	0.00%	0.002%
16	6.860	1938	1952	1971	rBV2	215026	439583	0.51%	0.474%
17	7.268	2063	2079	2097	rBV2	313770	657286	0.76%	0.708%
18	7.635	2178	2193	2213	rBV2	134316	257082	0.30%	0.277%
19	8.056	2320	2324	2327	rBV2	2000	1608	0.00%	0.002%
20	8.242	2371	2382	2397	rBV3	117552	256986	0.30%	0.277%
21	8.342	2412	2413	2416	rVB3	2721	1527	0.00%	0.002%
22	8.454	2442	2448	2449	rBV4	5992	4382	0.01%	0.005%
23	8.750	2537	2540	2545	rBV2	2650	2547	0.00%	0.003%
24	9.332	2706	2721	2739	rBV	355004	732226	0.85%	0.789%
25	9.583	2796	2799	2802	rVB	2387	1402	0.00%	0.002%
26	9.760	2849	2854	2856	rBV3	2815	1700	0.00%	0.002%
27	11.470	3372	3386	3402	rBV4	83842	168625	0.20%	0.182%
28	11.850	3501	3504	3506	rBV	2361	1657	0.00%	0.002%
29	12.827	3801	3808	3811	rVV4	4743	4498	0.01%	0.005%
30	12.872	3811	3822	3836	rVB	493630	711672	0.82%	0.767%
31	13.281	3939	3949	3960	rBV2	381508	507499	0.59%	0.547%
32	14.007	4172	4175	4177	rBV2	1954	1448	0.00%	0.002%
33	14.068	4188	4194	4196	rBV3	3240	3315	0.00%	0.004%
34	14.110	4201	4207	4214	rBV3	8768	10965	0.01%	0.012%
35	14.467	4313	4318	4324	rVB4	4034	3987	0.00%	0.004%
36	14.782	4412	4416	4420	rVV	3303	2383	0.00%	0.003%
37	14.920	4454	4459	4462	rVB2	1866	1381	0.00%	0.001%
38	16.284	4881	4883	4886	rBV2	1788	1531	0.00%	0.002%
39	16.625	4986	4989	4991	rBV	2450	1459	0.00%	0.002%

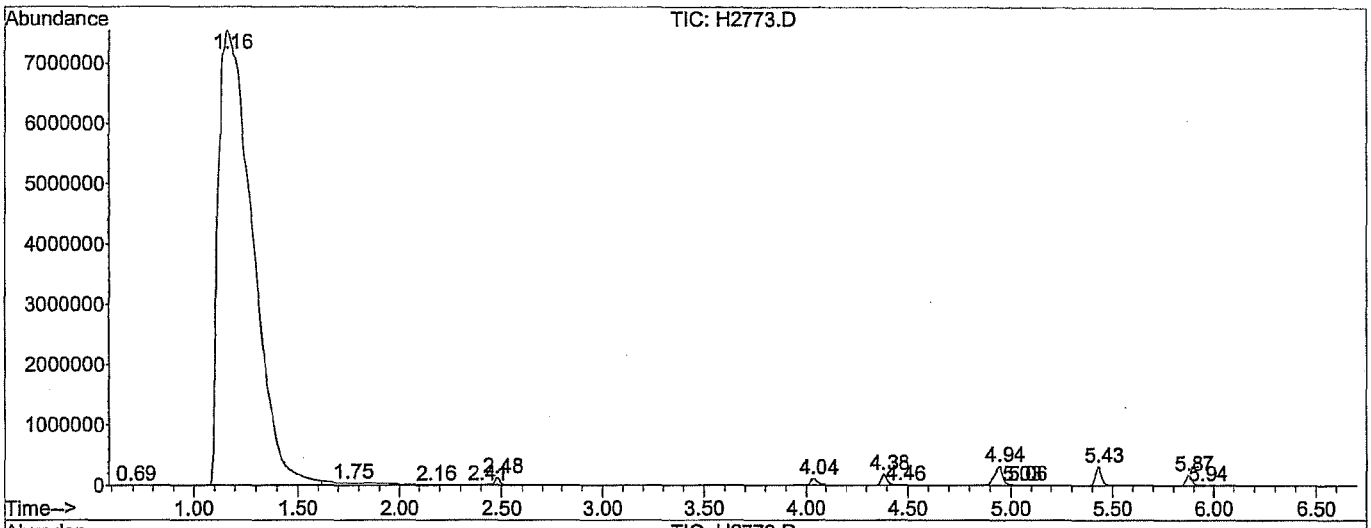
000000459

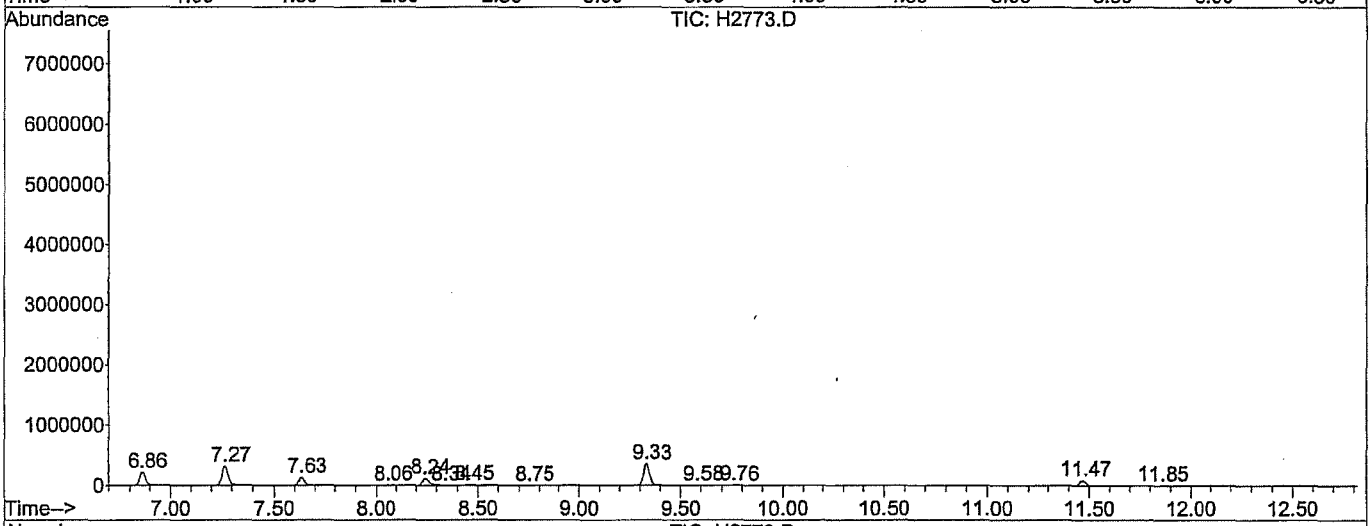
40	18.126	5451	5456	5461	rVB2	1695	1964	0.00%	0.002%

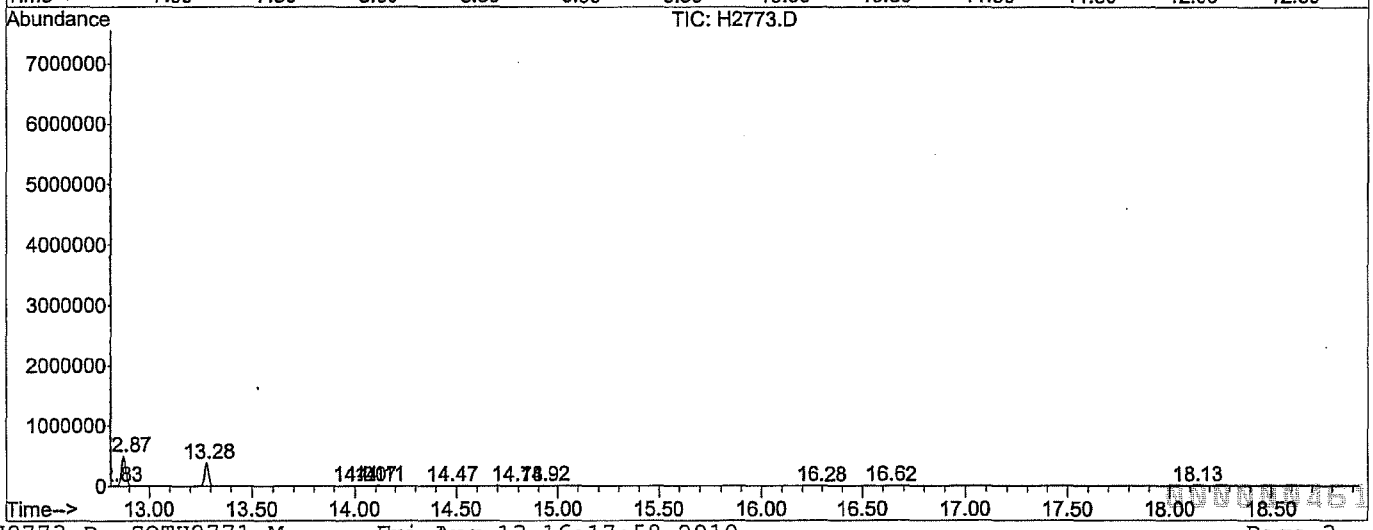
Sum of corrected areas: 92820091

LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\H2773.D Vial: 20
Acq On : 08/12/2010 1950 Operator: AC
Sample : 0080085-BLK1 Inst : H-5975
Misc : VBLK5Q 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2773.D Vial: 20
Acq On : 08/12/2010 1950 Operator: AC
Sample : 0080085-BLK1 Inst : H-5975
Misc : VBLK5Q 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

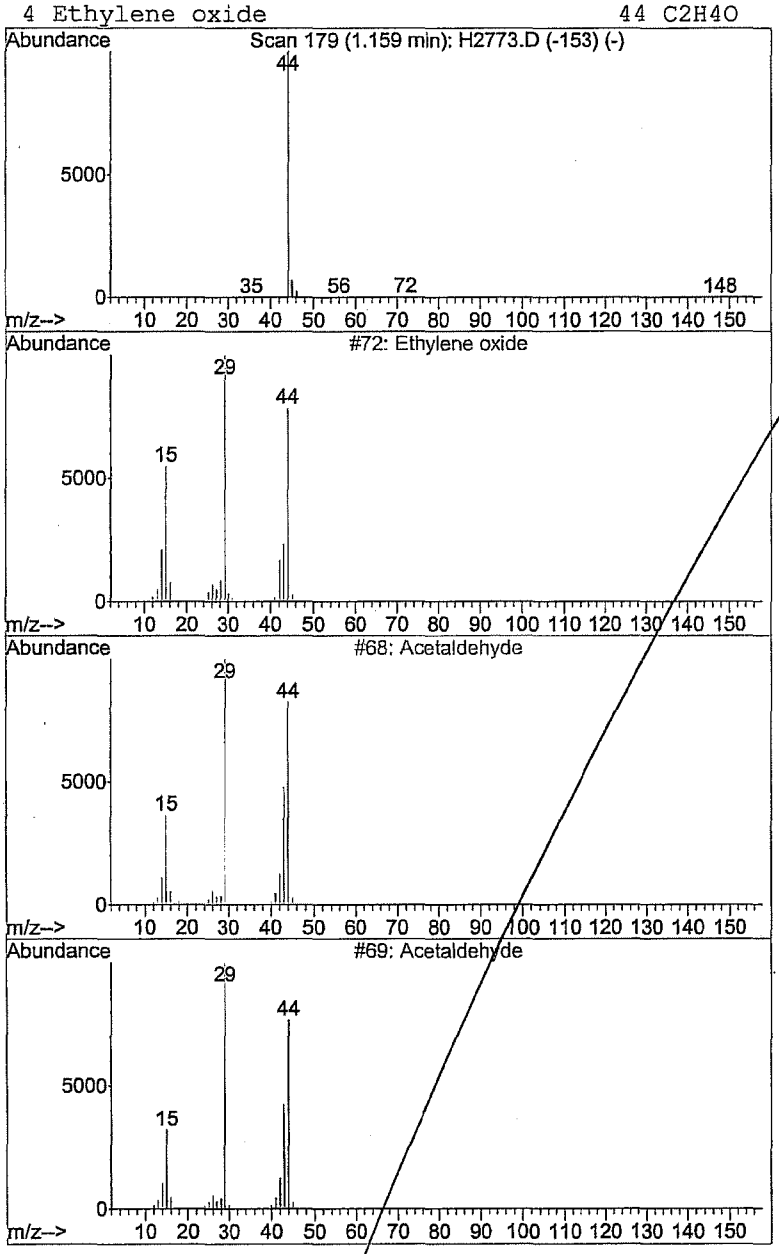
****

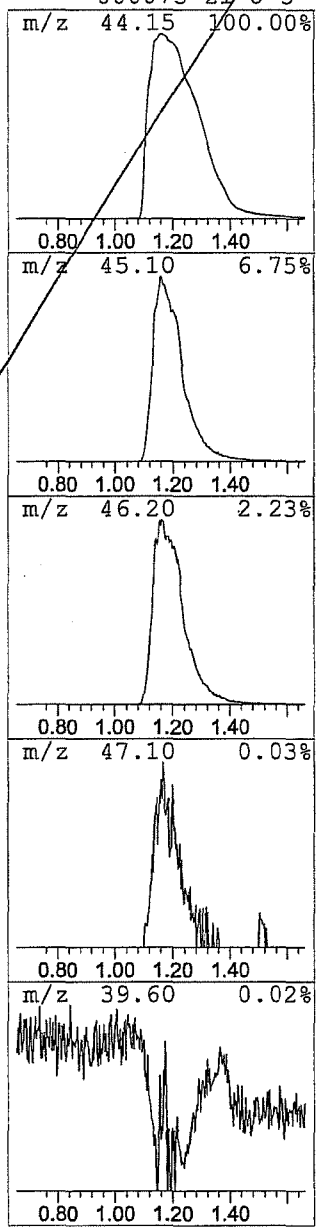
Peak Number 1 Ethylene oxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.16	688.05 ug/L	86345000	1,4-Difluorobenzene	5.43

Co2

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	3
2	Acetaldehyde	44	C2H4O	000075-07-0	3
3	Acetaldehyde	44	C2H4O	000075-07-0	3
4	Ethylene oxide	44	C2H4O	000075-21-8	3





000000462

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2773.D Vial: 20
Acq On : 08/12/2010 1950 Operator: AC
Sample : 0080085-BLK1 Inst : H-5975
Misc : VBLK5Q 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

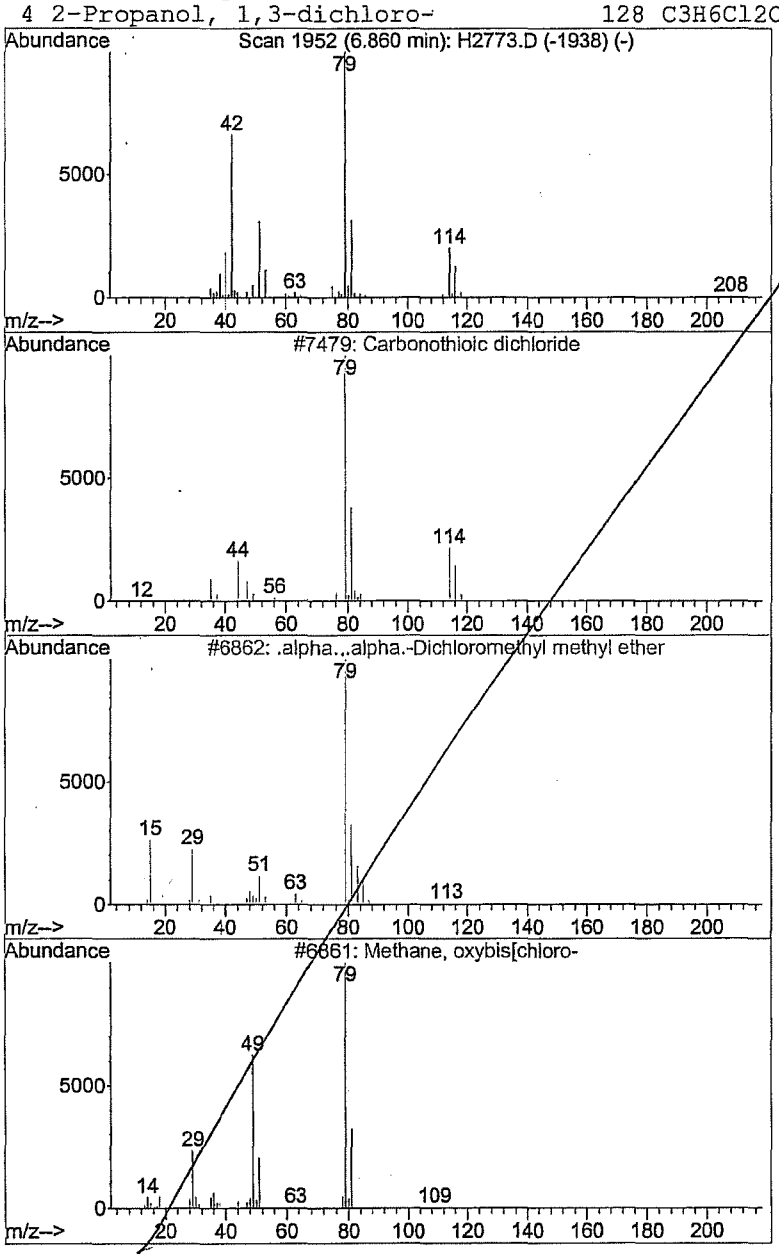
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

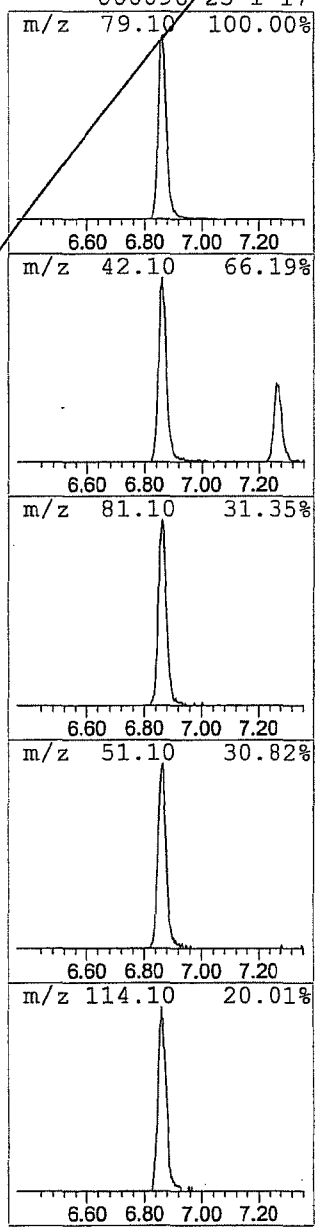
****

Peak Number 2 Carbonothioic dichloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.50 ug/L	439583	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	37
2	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	23
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	23
4	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	17





000000463

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 12 Aug 2010 19:50
Data File: C:\MSDCHEM\1\DATA\H2773.D
Name: 0080085-BLK1
Misc: VBLK5Q 25ML
Method: C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title: CLP SOM01.2-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard---| #	RT	Resp	Conc|
Ethylene oxide	1.16	688.0	ug/L	86345000	1	5.43	627464	5.0
Carbonothioic dic...	6.86	3.5	ug/L	439583	1	5.43	627464	5.0

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK8P

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080086-BLK1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3984.D

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK8P

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080086-BLK1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3984.D

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLK8P

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080086-BLK1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: F3984.D

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3984.D
Acq On : 08/13/2010 1110
Sample : 0080086-BLK1
Misc : VBLK8P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 11:32:12 2010

Vial: 33
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.66	114	157670	5.0000 ug/L	0.00
28) Chlorobenzene-d5	10.71	117	141826	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	13.43	152	69530	5.0000 ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.42	65	33023	4.1732 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 83.46%		
7) Chloroethane-d5	2.80	69	38713	5.3738 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 107.48%		
10) 1,1-Dichloroethene-d2	3.55	63	42931	3.0637 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 61.27%		
20) 2-Butanone-d5	5.22	46	32177	44.8019 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 89.60%		
24) Chloroform-d	5.59	84	74942	4.7913 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 95.83%		
26) 1,2-Dichloroethane-d4	6.18	65	41379	4.7448 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 94.90%		
32) Benzene-d6	6.20	84	164709	4.9696 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 99.39%		
35) 1,2-Dichloropropane-d6	7.17	67	47719	4.4520 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 89.04%		
41) Toluene-d8	8.57	98	160071	4.9665 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 99.33%		
43) trans-1,3-Dichloropropene-	8.93	79	46881	4.8641 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 97.28%		
47) 2-Hexanone-d5	9.53	63	24613	43.4825 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 86.97%		
57) 1,1,2,2-Tetrachloroethane-	12.38	84	31674	4.3086 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 86.17%		
63) 1,2-Dichlorobenzene-d4	13.78	152	49437	4.9023 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 98.05%		

Target Compounds Qvalue

ORIGINAL COPY
Case: 40415 SDG: F3C05
Episode: 0012602 Int./Date: 08/17/10

000000468

(#) = qualifier out of range (m) = manual integration (+) = signals summed

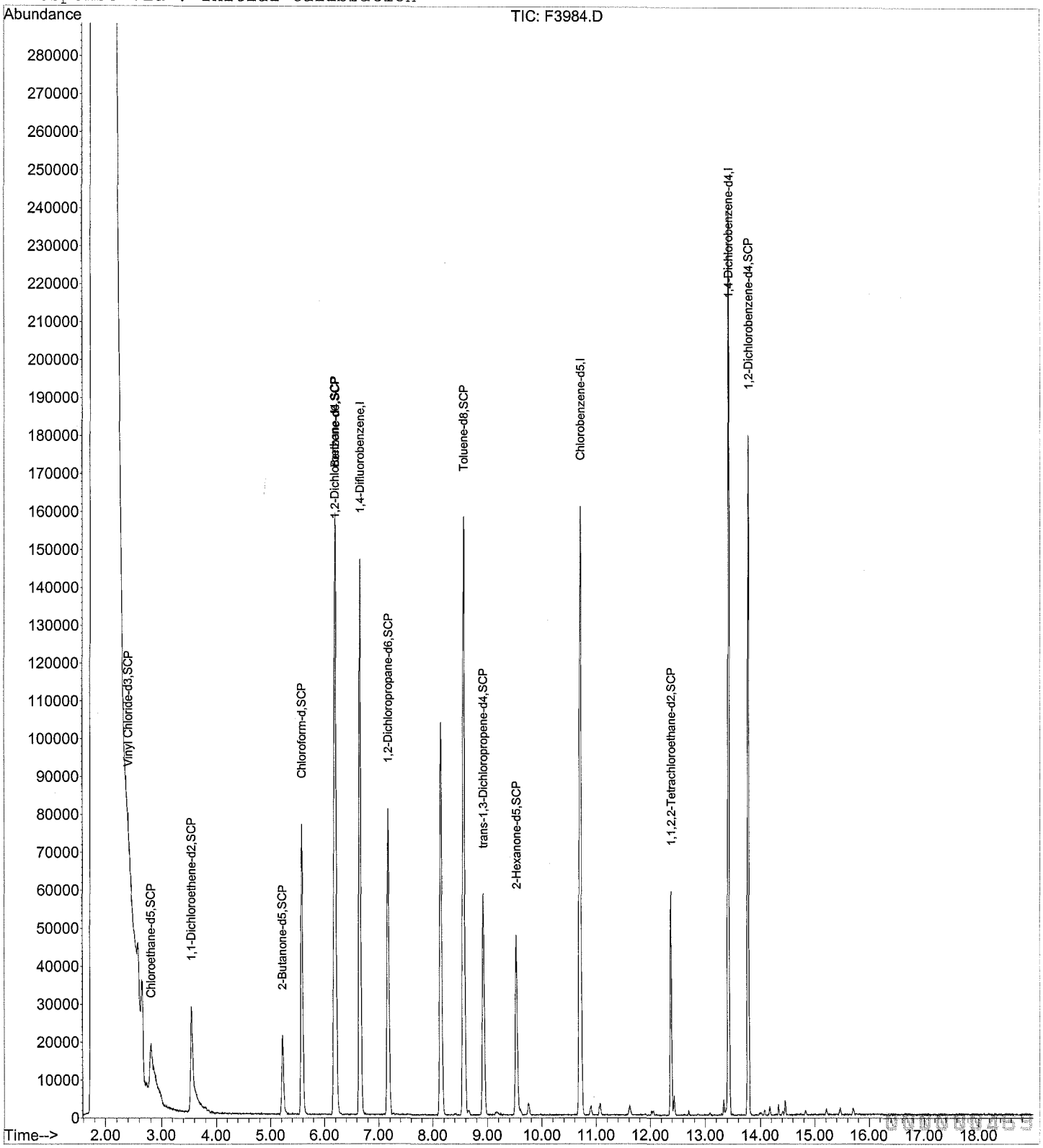
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\F3984.D
Acq On : 08/13/2010 1110
Sample : 0080086-BLK1
Misc : VBLK8P 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 11:32 2010

Vial: 33
Operator: AC
Inst : F-5973
Multiplr: 1.00

Quant Results File: SOTF3983.RES

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Last Update : Fri Aug 13 11:09:22 2010
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\F3984.D
Acq On : 08/13/2010 1110
Sample : 0080086-BLK1
Misc : VBLK8P 25ML
MS Integration Params: Lscint.p

Vial: 33
Operator: AC
Inst : F-5973
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.5

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.893	35	97	591	rBV	5841659	115533542	100.00%	96.974%
2	3.546	598	612	717	rVB3	28204	121849	0.11%	0.102%
3	4.149	798	800	822	rVB2	491	1383	0.00%	0.001%
4	4.242	822	829	861	rBV2	444	1840	0.00%	0.002%
5	5.221	1118	1134	1160	rBV2	20977	51708	0.04%	0.043%
6	5.587	1230	1248	1281	rVB2	76613	184058	0.16%	0.154%
7	6.200	1415	1439	1481	rBV5	158790	451458	0.39%	0.379%
8	6.662	1565	1583	1612	rVB2	146581	352599	0.31%	0.296%
9	7.172	1724	1742	1761	rBV3	80745	205282	0.18%	0.172%
10	7.332	1780	1792	1801	rBV2	468	1143	0.00%	0.001%
11	8.154	2027	2048	2069	rBV3	103684	262376	0.23%	0.220%
12	8.568	2158	2177	2216	rVB2	157915	411884	0.36%	0.346%
13	8.927	2273	2289	2313	rVB2	58286	145045	0.13%	0.122%
14	9.527	2459	2476	2496	rBV2	47459	118397	0.10%	0.099%
15	9.598	2496	2498	2509	rVB4	1862	2336	0.00%	0.002%
16	9.749	2532	2545	2562	rVB6	3209	7409	0.01%	0.006%
17	10.708	2821	2844	2866	rBV	160767	419035	0.36%	0.352%
18	10.910	2896	2907	2920	rVB2	2456	4568	0.00%	0.004%
19	11.071	2947	2957	2972	rBV3	3174	6605	0.01%	0.006%
20	11.613	3120	3126	3139	rVB7	2591	4601	0.00%	0.004%
21	12.014	3248	3251	3279	rVB4	1208	3472	0.00%	0.003%
22	12.380	3353	3365	3376	rBV	58919	107333	0.09%	0.090%
23	12.441	3376	3384	3396	rVB3	5123	8319	0.01%	0.007%
24	13.089	3581	3586	3595	rVB4	693	1033	0.00%	0.001%
25	13.336	3655	3663	3678	rBV5	4142	7425	0.01%	0.006%
26	13.426	3678	3691	3707	rVB	239700	403105	0.35%	0.338%
27	13.779	3786	3801	3819	rBV	179484	291607	0.25%	0.245%
28	14.000	3869	3870	3881	rVB2	762	1120	0.00%	0.001%
29	14.074	3887	3893	3900	rVB4	1413	2116	0.00%	0.002%
30	14.171	3915	3923	3932	rBV3	2349	3304	0.00%	0.003%
31	14.334	3968	3974	3980	rBV6	2849	3023	0.00%	0.003%
32	14.408	3988	3997	4004	rBV4	1160	1794	0.00%	0.002%
33	14.450	4006	4010	4020	rVB4	3893	5080	0.00%	0.004%
34	14.828	4120	4128	4138	rBV4	1196	1777	0.00%	0.001%
35	15.210	4239	4247	4259	rBV5	1746	2786	0.00%	0.002%
36	15.467	4320	4327	4334	rVB3	2019	3005	0.00%	0.003%
37	15.698	4393	4399	4412	rVB5	1853	3698	0.00%	0.003%
38	16.150	4538	4540	4558	rVB3	433	1027	0.00%	0.001%

000000470

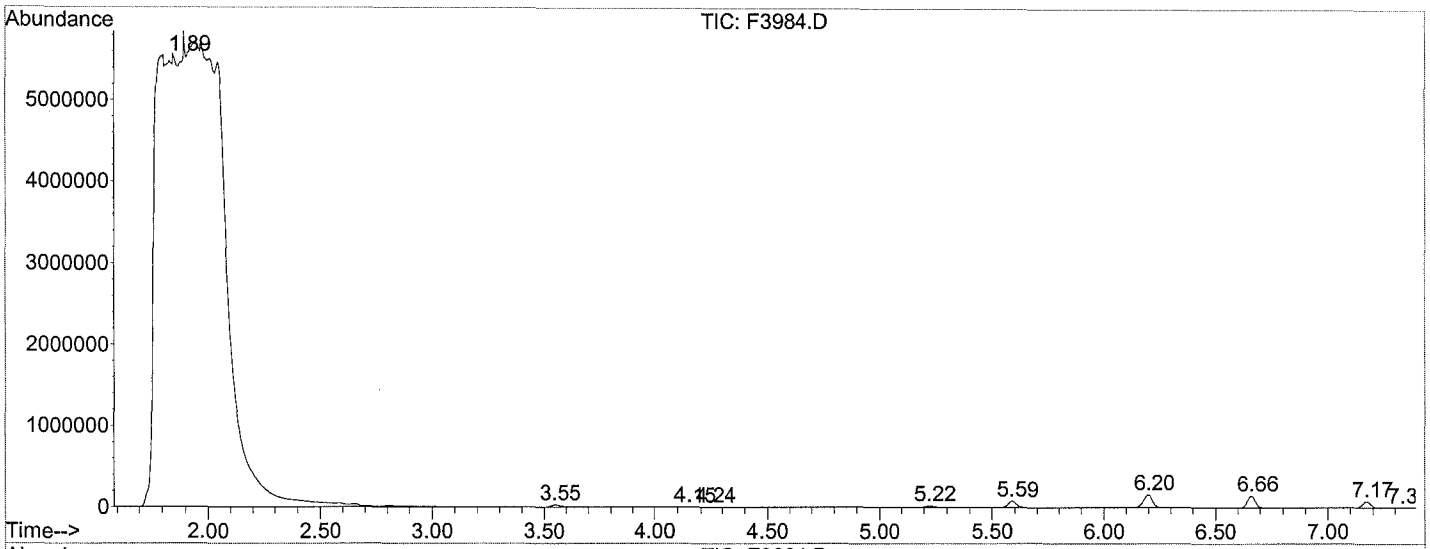
Sum of corrected areas: 119138142

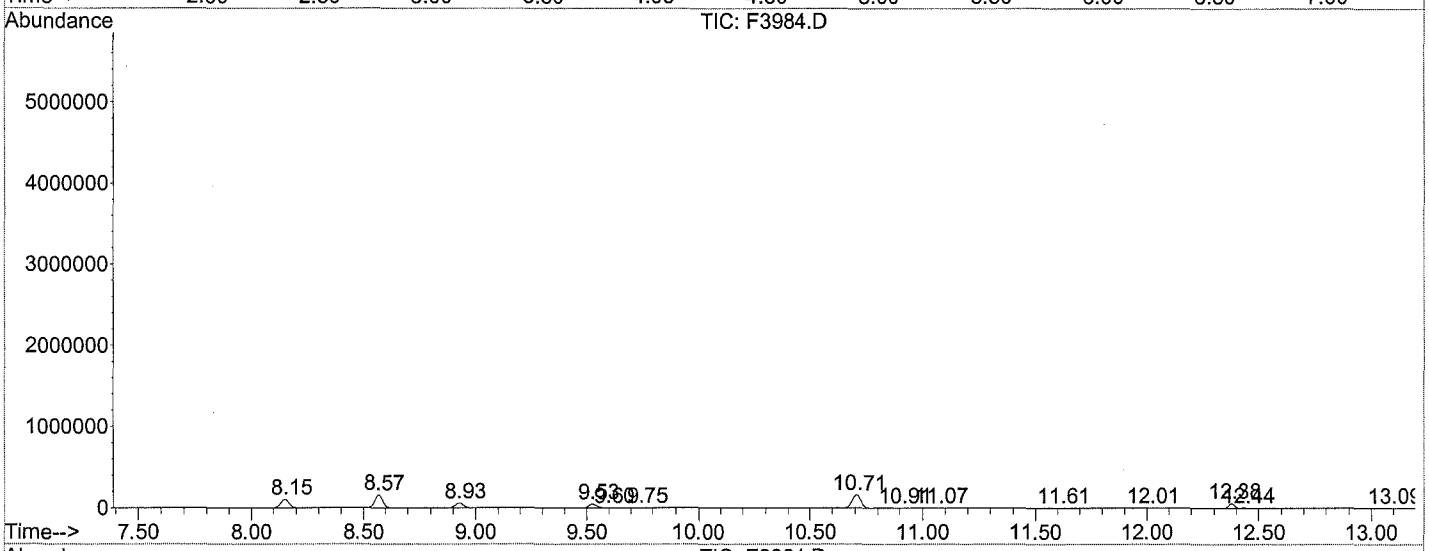
000000471

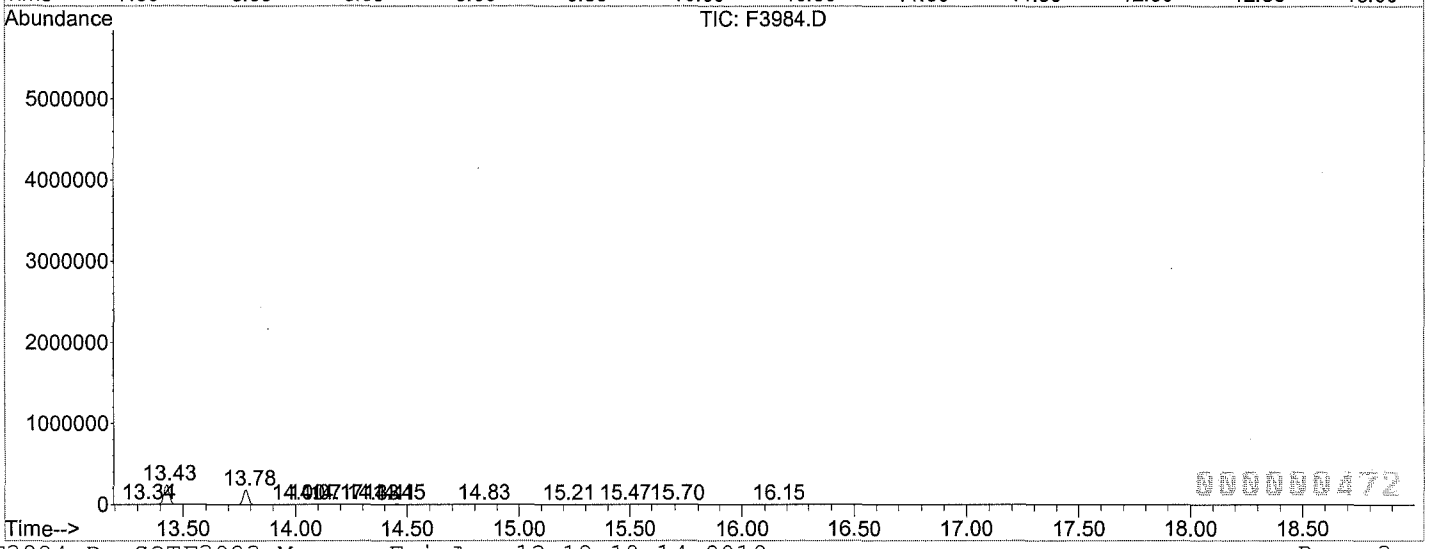
LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\F3984.D
Acq On : 08/13/2010 1110
Sample : 0080086-BLK1
Misc : VBLK8P 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML

Vial: 33
Operator: AC
Inst : F-5973
Multiplr: 1.00







000000472

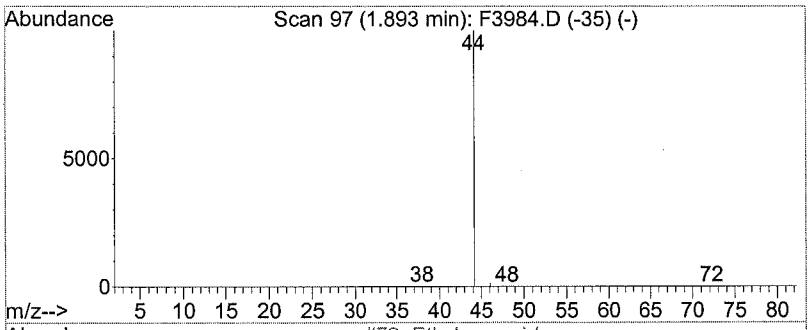
Library Search Compound Report

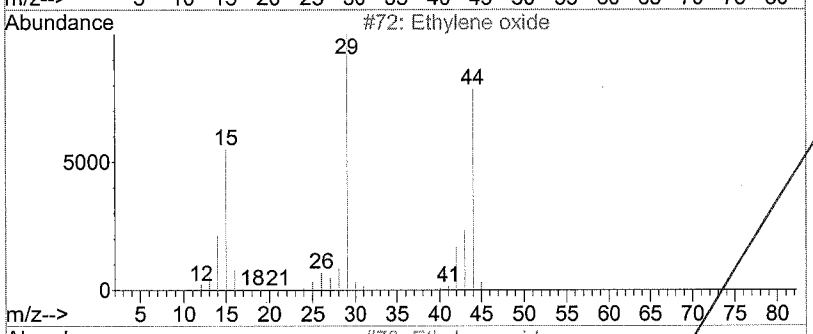
```
   Data File : C:\MSDCHEM\1\DATA\F3984.D                    Vial: 33
   Acq On    : 08/13/2010  1110                         Operator: AC
   Sample    : 0080086-BLK1                             Inst    : F-5973
   Misc      : VBLK8P    25ML                           Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title        : CLP SOM1.X-TRACE VOA-WATER  -25ML
Library      : C:\DATABASE\NIST02.L
 ******************************************************************
 Peak Number  1  Ethylene oxide                  Concentration Rank  1
```

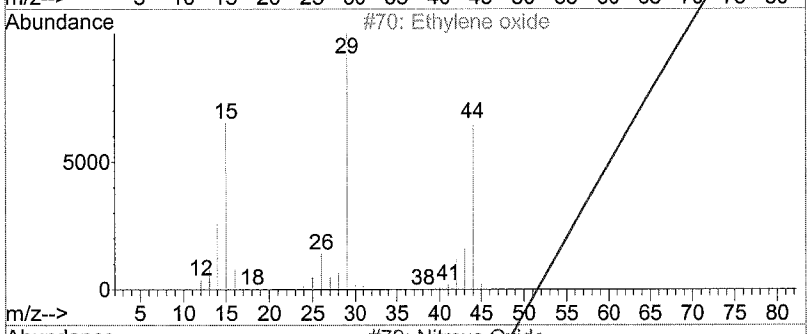
R.T.	EstConc	Area	Relative to ISTD	R.T.
1.89	1638.31 ug/L	115534000	1,4-Difluorobenzene	6.66

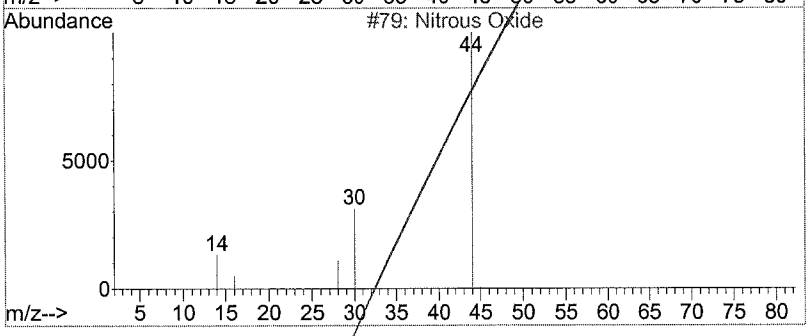
Co2

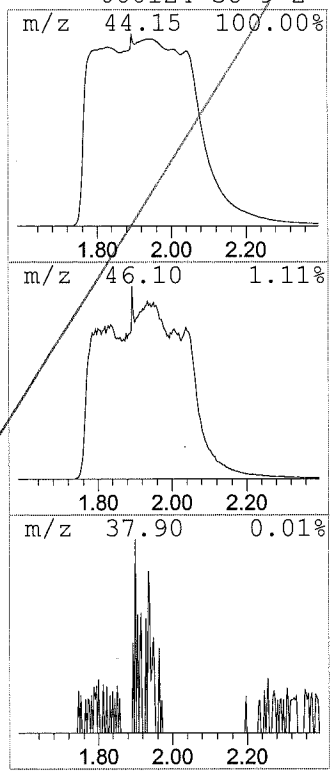
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	3
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Nitrous Oxide	44	N2O	010024-97-2	2
4	Carbon dioxide	44	CO2	000124-38-9	2











000000473

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\F3984.D Vial: 33
Acq On : 08/13/2010 1110 Operator: AC
Sample : 0080086-BLK1 Inst : F-5973
Misc : VBLK8P 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title : CLP SOM1.X-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

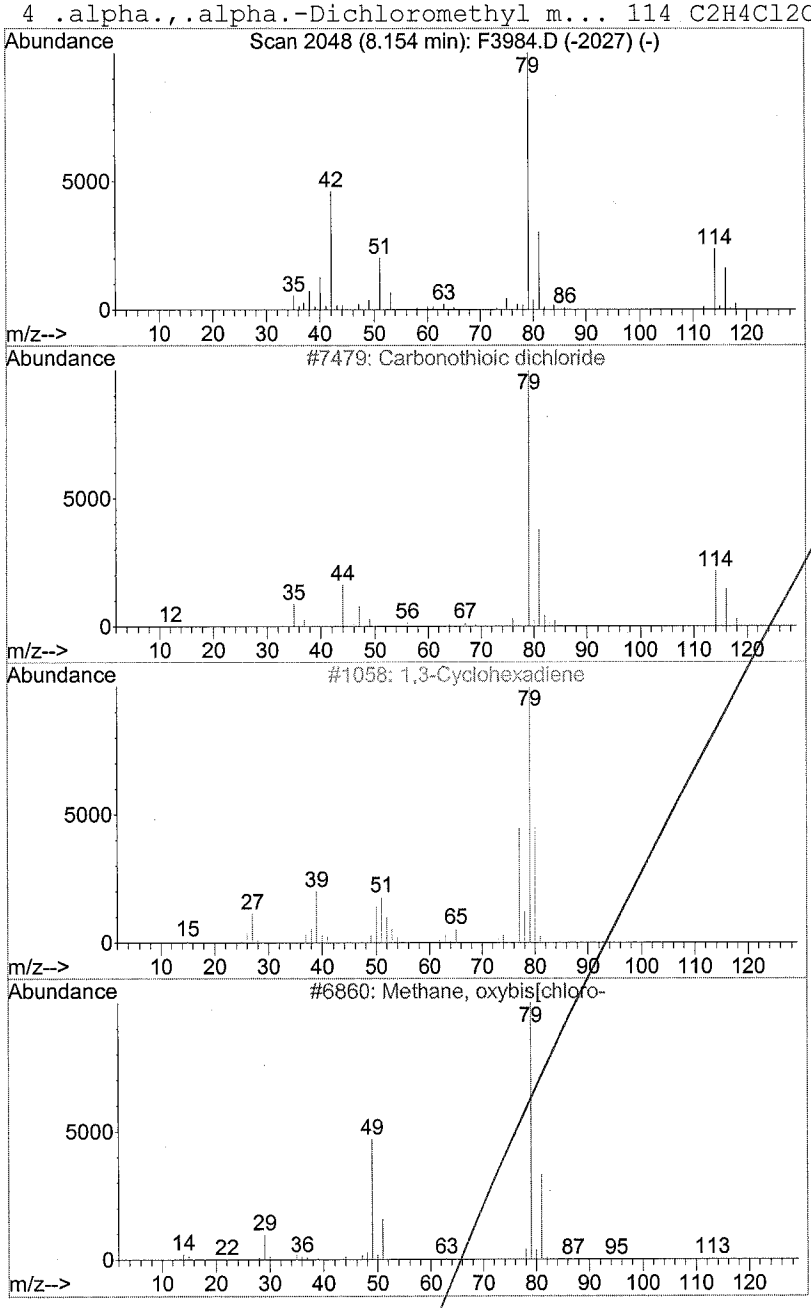
****

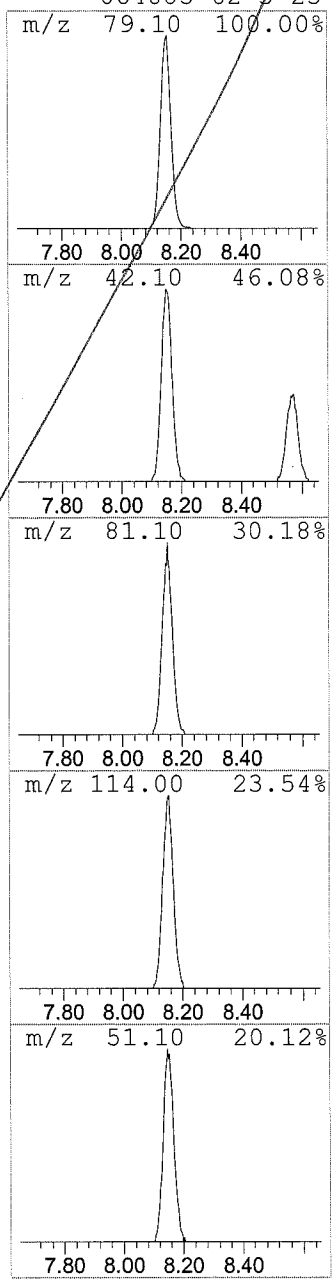
Peak Number 2 Carbonothioic dichloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	3.72 ug/L	262376	1,4-Difluorobenzene	6.66

Same as left

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	28
2	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	25
4	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	25





000000474

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 13 Aug 2010 11:10
Data File: C:\MSDCHEM\1\DATA\F3984.D
Name: 0080086-BLK1
Misc: VBLK8P 25ML
Method: C:\MSDCHEM\1\METHODS\SOTF3983.M (RTE Integrator)
Title: CLP SOM1.X-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Ethylene oxide	1.89	1638.3	ug/L	115534000	1	6.66	352599	5.0
Carbonothioic dic...	8.15	3.7	ug/L	262376	1	6.66	352599	5.0

000000475

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIBLKMQ

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-CCB1

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: H2776.D

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIBLKMQ

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-CCB1

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: H2776.D

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VIBLKMQ

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-CCB1

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: H2776.D

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 08/12/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) UG/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2776.D
Acq On : 08/12/2010 2109
Sample : 0080085-CCB1
Misc : VIBLKMQ 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:30:11 2010

Vial: 23
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/16/10

8/16/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	211755	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.34	117	188513	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	94330	5.0000 ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.51	65	13008	4.5490 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 90.98%		
7) Chloroethane-d5	1.84	69	10665	5.0341 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 100.68%		
10) 1,1-Dichloroethene-d2	2.48	63	97601	3.8907 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 77.81%		
20) 2-Butanone-d5	4.04	46	163999	59.5486 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 119.10%		
24) Chloroform-d	4.39	84	132369	4.8276 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 96.55%		
26) 1,2-Dichloroethane-d4	4.92	65	93506	5.3548 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 107.10%		
32) Benzene-d6	4.95	84	248752	4.8914 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 97.83%		
35) 1,2-Dichloropropane-d6	5.88	67	73941	4.8763 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 97.53%		
41) Toluene-d8	7.27	98	226425	4.8471 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 96.94%		
43) trans-1,3-Dichloropropene-	7.63	79	77589	4.9765 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 99.53%		
47) 2-Hexanone-d5	8.25	63	44368	57.1691 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 114.34%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	51284	5.4359 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 108.72%		
63) 1,2-Dichlorobenzene-d4	13.28	152	72217	4.7477 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 94.95%		

Target Compounds Qvalue

ORIGINAL COPY
Case: 40415 SDG: F3L04
Episode: 0012601 Int./Date: SNW 08/17/10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

000000479

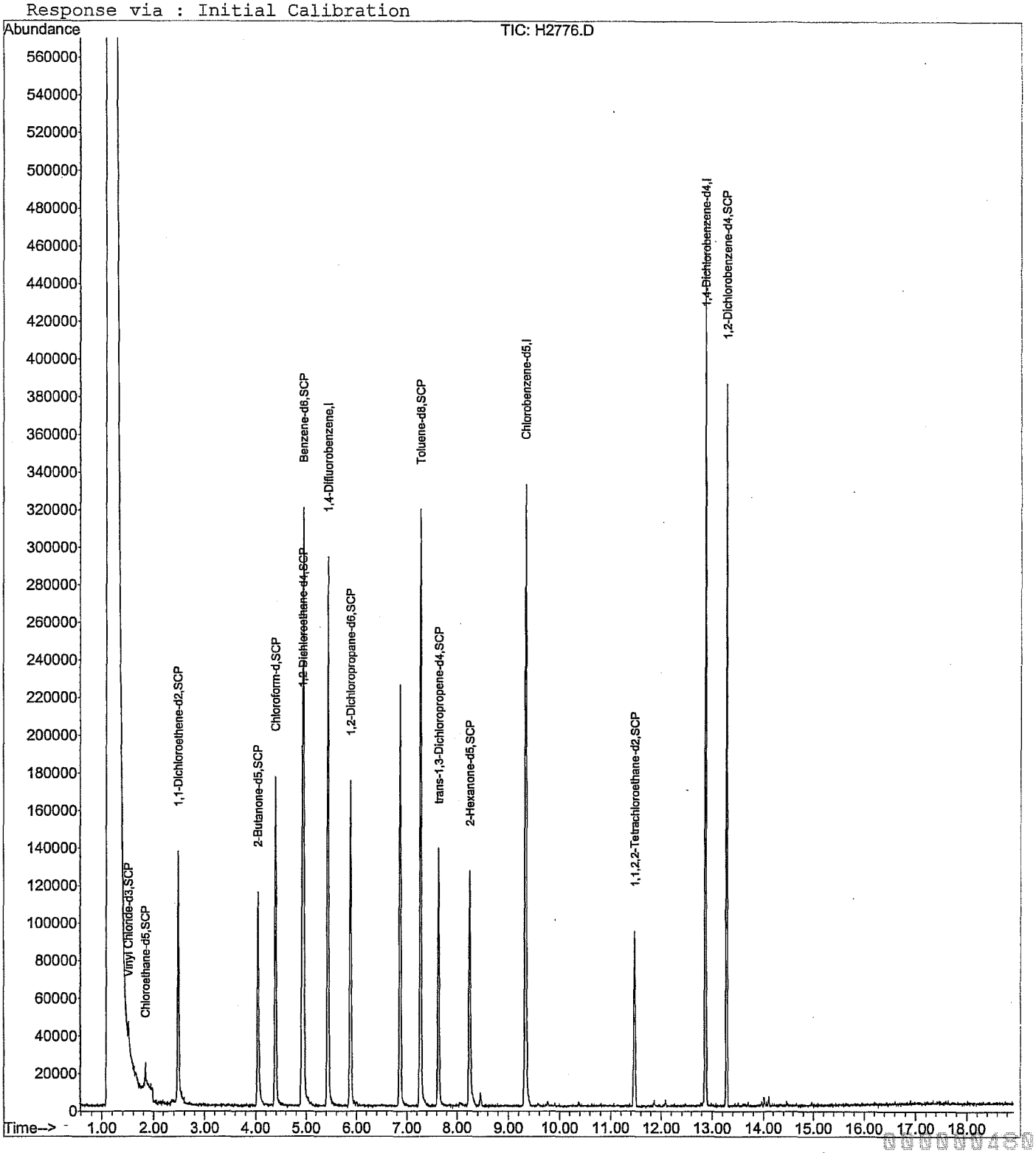
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2776.D
Acq On : 08/12/2010 2109
Sample : 0080085-CCB1
Misc : VIBLKMQ 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 11:07 2010

Vial: 23
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\H2776.D
Acq On : 08/12/2010 2109
Sample : 0080085-CCB1
Misc : VIBLKMQ 25ML
MS Integration Params: Lscint.p

Vial: 23
Operator: AC
Inst : H-5975
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 1000 Area counts
Max Peaks: 40
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.143	151	174	176	rBV	5675088	11664268	100.00%	64.937%
2	1.841	385	391	397	rBV5	12341	14319	0.12%	0.080%
3	2.484	580	591	607	rBV	132118	225195	1.93%	1.254%
4	2.599	626	627	633	rVB2	3586	1606	0.01%	0.009%
5	3.895	1029	1030	1035	rBV2	1722	1413	0.01%	0.008%
6	4.040	1062	1075	1091	rBV	113444	247821	2.12%	1.380%
7	4.387	1171	1183	1199	rBV	174651	334053	2.86%	1.860%
8	4.947	1336	1357	1372	rBV3	318054	829074	7.11%	4.616%
9	5.432	1494	1508	1521	rBV2	292359	564755	4.84%	3.144%
10	5.879	1633	1647	1664	rBV4	172808	360908	3.09%	2.009%
11	5.966	1673	1674	1680	rVB2	2970	1793	0.02%	0.010%
12	5.998	1680	1684	1685	rBV	2331	1653	0.01%	0.009%
13	6.242	1758	1760	1764	rBV2	1752	1348	0.01%	0.008%
14	6.866	1939	1954	1967	rBV2	223670	430554	3.69%	2.397%
15	7.268	2061	2079	2095	rBV2	318158	648936	5.56%	3.613%
16	7.635	2177	2193	2209	rBV3	137190	260033	2.23%	1.448%
17	7.930	2281	2285	2288	rBV2	2052	1993	0.02%	0.011%
18	8.245	2369	2383	2398	rBV2	124837	276730	2.37%	1.541%
19	8.326	2407	2408	2414	rVB3	2848	2179	0.02%	0.012%
20	8.454	2439	2448	2461	rVB5	7280	13624	0.12%	0.076%
21	9.329	2706	2720	2736	rBV3	330315	674589	5.78%	3.756%
22	10.808	3178	3180	3184	rVB2	2013	1291	0.01%	0.007%
23	11.470	3372	3386	3400	rBV3	93271	190811	1.64%	1.062%
24	11.850	3499	3504	3506	rBV2	2323	2321	0.02%	0.013%
25	11.975	3537	3543	3548	rVB	1564	1453	0.01%	0.008%
26	12.056	3565	3568	3571	rBV3	1516	1310	0.01%	0.007%
27	12.827	3806	3808	3812	rBV2	2143	2196	0.02%	0.012%
28	12.872	3812	3822	3838	rVB2	472285	669817	5.74%	3.729%
29	13.229	3932	3933	3938	rBV	1491	1319	0.01%	0.007%
30	13.281	3938	3949	3959	rVV2	383974	510957	4.38%	2.845%
31	13.699	4077	4079	4084	rVB3	2357	1967	0.02%	0.011%
32	13.969	4162	4163	4170	rVB4	2837	2367	0.02%	0.013%
33	14.011	4173	4176	4180	rBV3	5065	5100	0.04%	0.028%
34	14.068	4188	4194	4197	rVV2	2398	2236	0.02%	0.012%
35	14.110	4205	4207	4214	rVB3	5165	4260	0.04%	0.024%
36	14.467	4314	4318	4322	rBV2	2634	2121	0.02%	0.012%
37	15.371	4596	4599	4602	rVB2	1956	1441	0.01%	0.008%
38	16.705	5012	5014	5019	rVB2	1882	1381	0.01%	0.008%
39	17.557	5275	5279	5281	rVB2	1982	1500	0.01%	0.008%

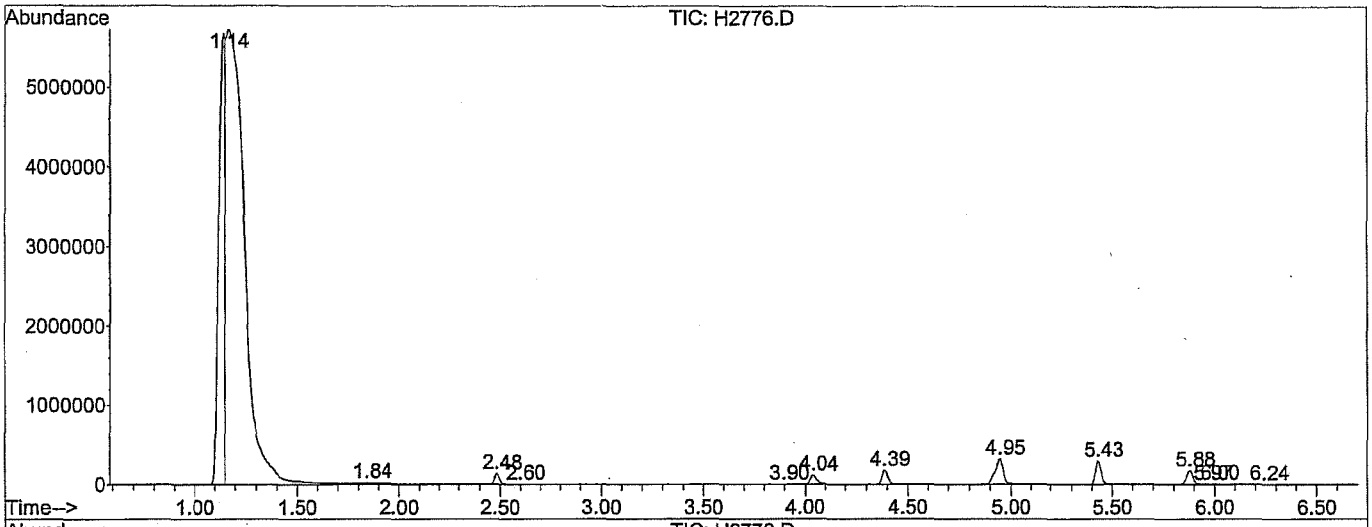
000000481

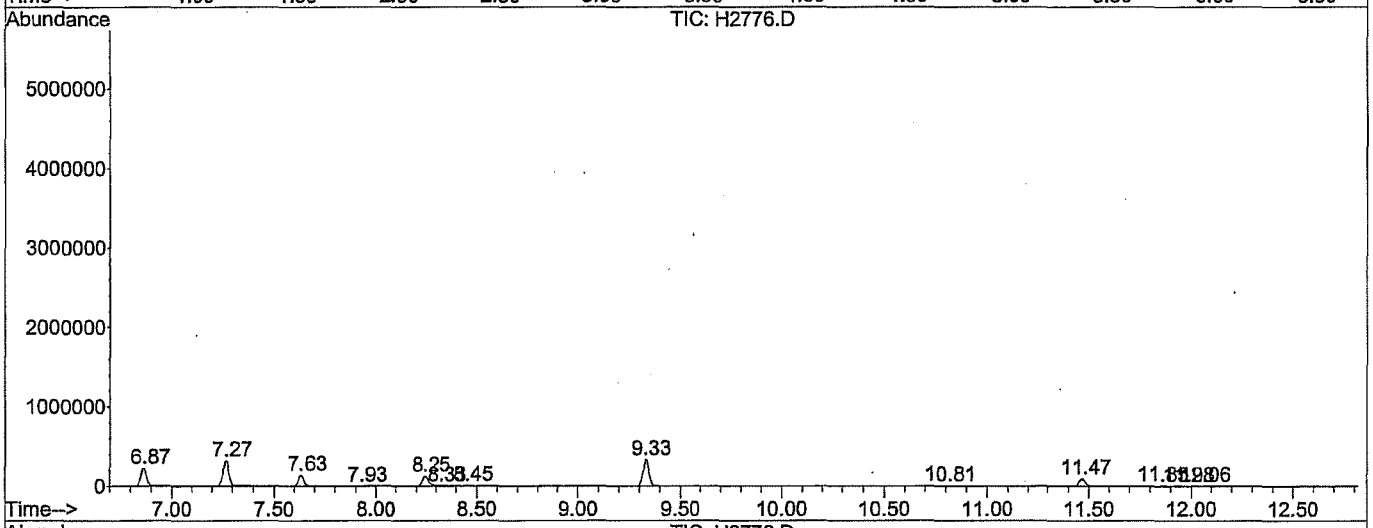
40	17.573	5281	5284	5288	rBV3	2084	1875	0.02%	0.010%

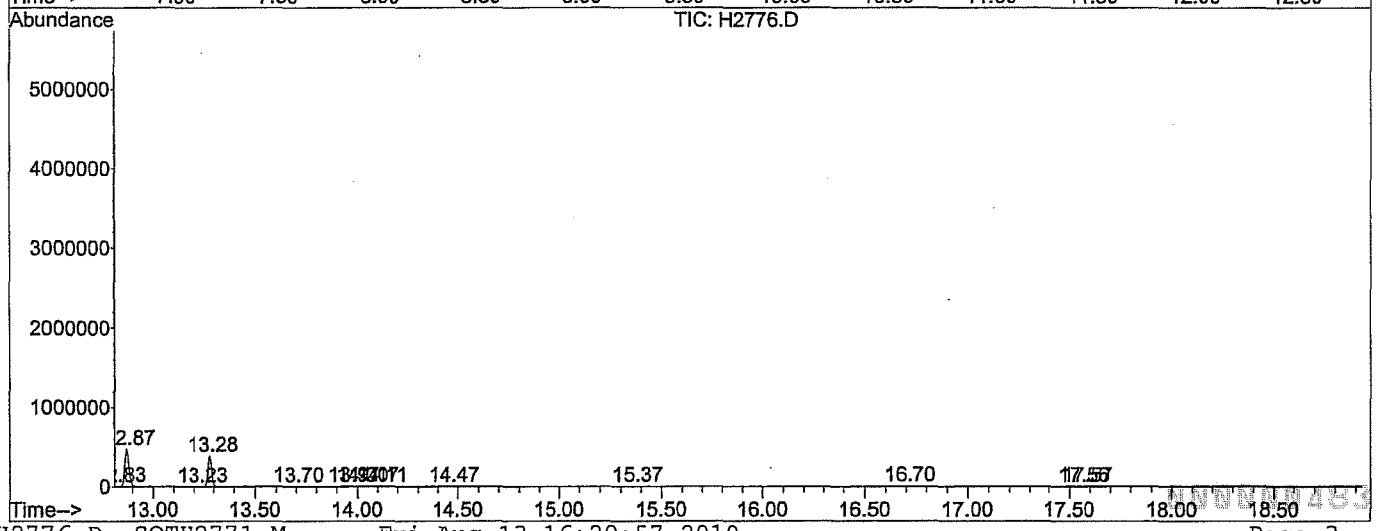
Sum of corrected areas: 17962567

LSC Report - Integrated Chromatogram

Data File : C:\MSDCHEM\1\DATA\H2776.D Vial: 23
Acq On : 08/12/2010 2109 Operator: AC
Sample : 0080085-CCB1 Inst : H-5975
Misc : VIBLKMQ 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2776.D
Acq On : 08/12/2010 2109
Sample : 0080085-CCB1
Misc : VIBLKMQ 25ML
MS Integration Params: Lscint.p

Vial: 23
Operator: AC
Inst : H-5975
Multiplr: 1.00

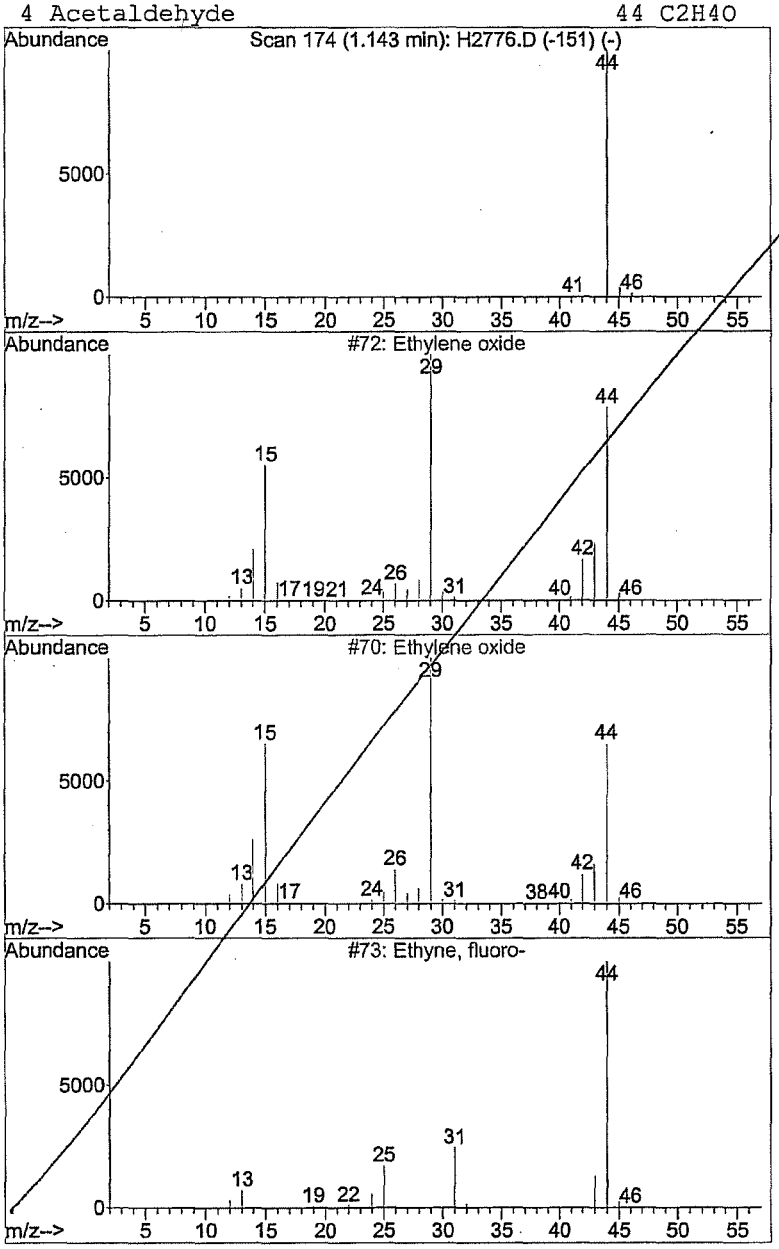
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

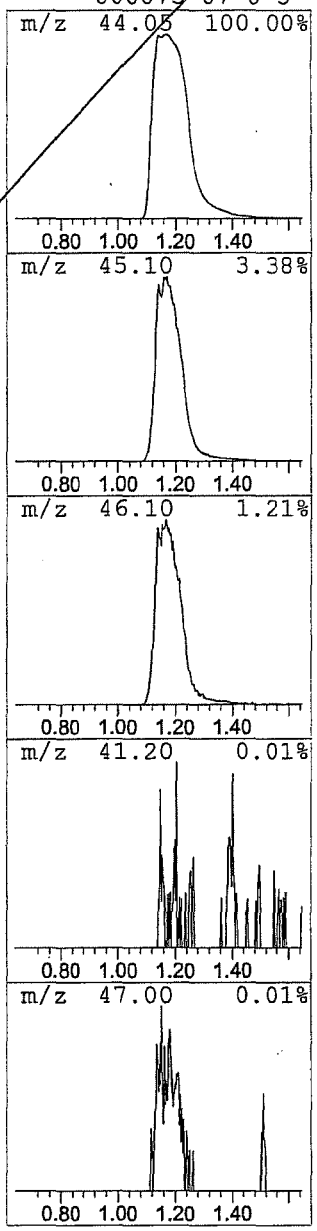
****

Peak Number 1 Ethylene oxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.14	103.27 ug/L	11664300	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	4
2	Ethylene oxide	44	C2H4O	000075-21-8	4
3	Ethyne, fluoro-	44	C2HF	002713-09-9	3
4	Acetaldehyde	44	C2H4O	000075-07-0	3





000000484

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\H2776.D Vial: 23
Acq On : 08/12/2010 2109 Operator: AC
Sample : 0080085-CCB1 Inst : H-5975
Misc : VIBLKMQ 25ML Multiplr: 1.00
MS Integration Params: Lscint.p

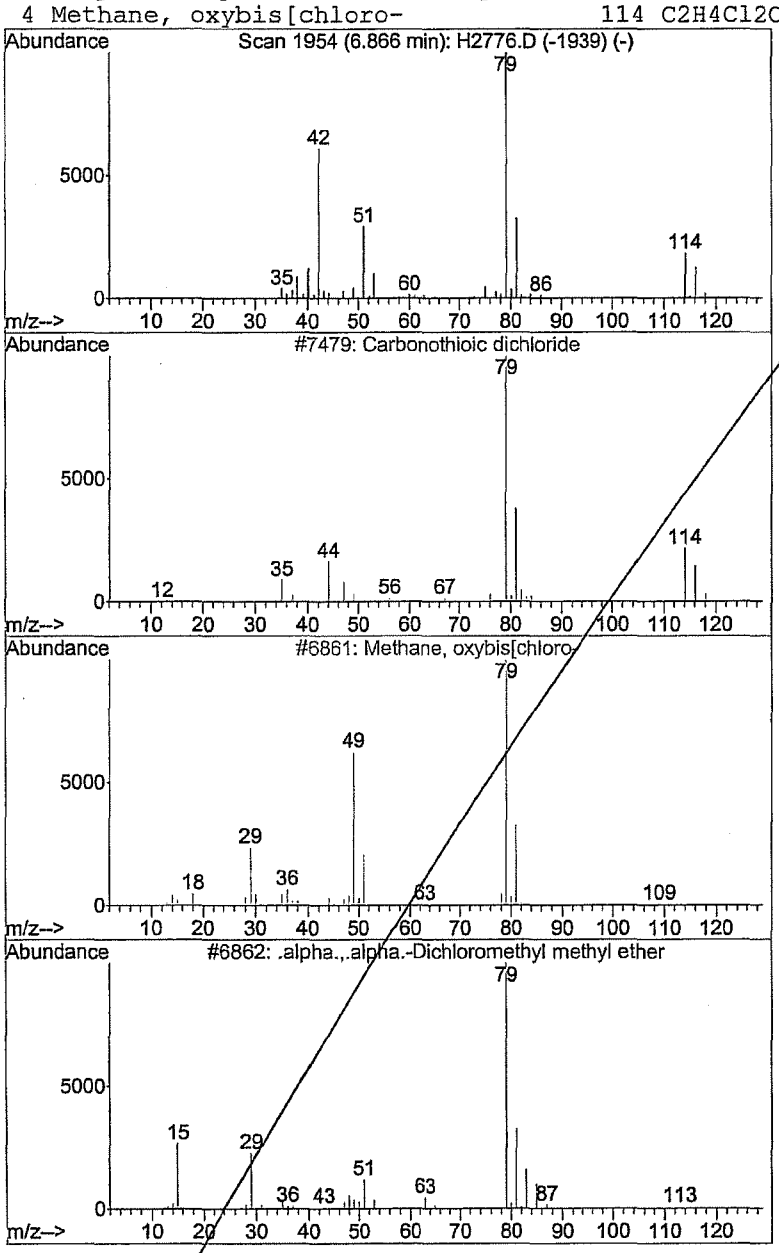
Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Library : C:\DATABASE\NIST02.L

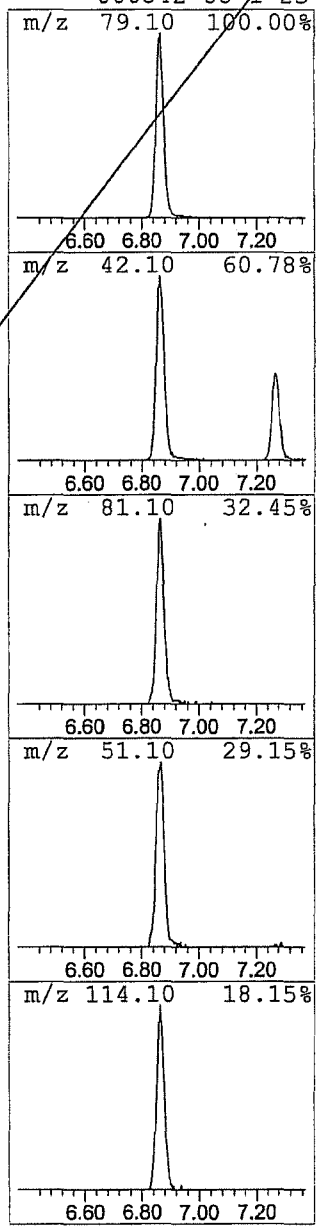
****

Peak Number 2 Carbonothioic dichloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	3.81 ug/L	430554	1,4-Difluorobenzene	5.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonothioic dichloride	114	CCl2S	000463-71-8	43
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	37
3	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	25
4	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	23





Document

000000485

Tentatively Identified Compound (LSC) summary

Operator ID: AC Date Acquired: 12 Aug 2010 21:09
Data File: C:\MSDCHEM\1\DATA\H2776.D
Name: 0080085-CCB1
Misc: VIBLKMQ 25ML
Method: C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title: CLP SOM01.2-TRACE VOA-WATER -25ML
Library Searched: C:\DATABASE\NIST02.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard---| #	RT	Resp	Conc|
Ethylene oxide	1.14	103.3	ug/L	11664300	1	5.43	564755	5.0
Carbonothioic dic...	6.87	3.8	ug/L	430554	1	5.43	564755	5.0

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE7MS

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-MS1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2785.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	8.3	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	11	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.5	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	7.0	
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	7.3	

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE7MS

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-MS1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2785.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	6.9	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.4	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	6.7	
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KE7MS

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-MS1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2785.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2785.D
Acq On : 08/13/2010 0105
Sample : 0080085-MS1
Misc : F3KE7MS 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:32:28 2010

Vial: 32
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

dw 8/17/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	209414	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.33	117	174895	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.87	152	80940	5.0000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.51	65	18299	6.4708 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 129.42%		
7) Chloroethane-d5	1.84	69	15271	7.2888 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 145.78%#		
10) 1,1-Dichloroethene-d2	2.49	63	169342	6.8259 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 136.52%#		
20) 2-Butanone-d5	4.03	46	123705	45.4198 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 90.84%		
24) Chloroform-d	4.38	84	135937	5.0131 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 100.26%		
26) 1,2-Dichloroethane-d4	4.91	65	75597	4.3776 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 87.55%		
32) Benzene-d6	4.95	84	251671	5.3342 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 106.68%		
35) 1,2-Dichloropropane-d6	5.87	67	68510	4.8699 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 97.40%		
41) Toluene-d8	7.27	98	229739	5.3010 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 106.02%		
43) trans-1,3-Dichloropropene-	7.63	79	57681	3.9876 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 79.75%		
47) 2-Hexanone-d5	8.24	63	30758	42.7182 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 85.44%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	32165	3.6748 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 73.50%		
63) 1,2-Dichlorobenzene-d4	13.28	152	62965	4.8243 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 96.49%		

Target Compounds					Qvalue
11) 1,1-Dichloroethene	2.49	96	67083	8.2731 ug/L #	88
13) Acetone	2.54	43	29828	10.6895 ug/L	96
22) 2-Butanone	4.09	43	6842	1.5305 ug/L	81
33) Benzene	4.99	78	334835	6.9502 ug/L	100
34) Trichloroethene	5.73	95	89502	7.3075 ug/L	99
42) Toluene	7.35	91	350013	6.9350 ug/L	100
46) Tetrachloroethene	8.12	164	21282	2.3899 ug/L	99
51) Chlorobenzene	9.37	112	211948	6.7208 ug/L	100

D000000490

(#) = qualifier out of range (m) = manual integration (+) = signals summed

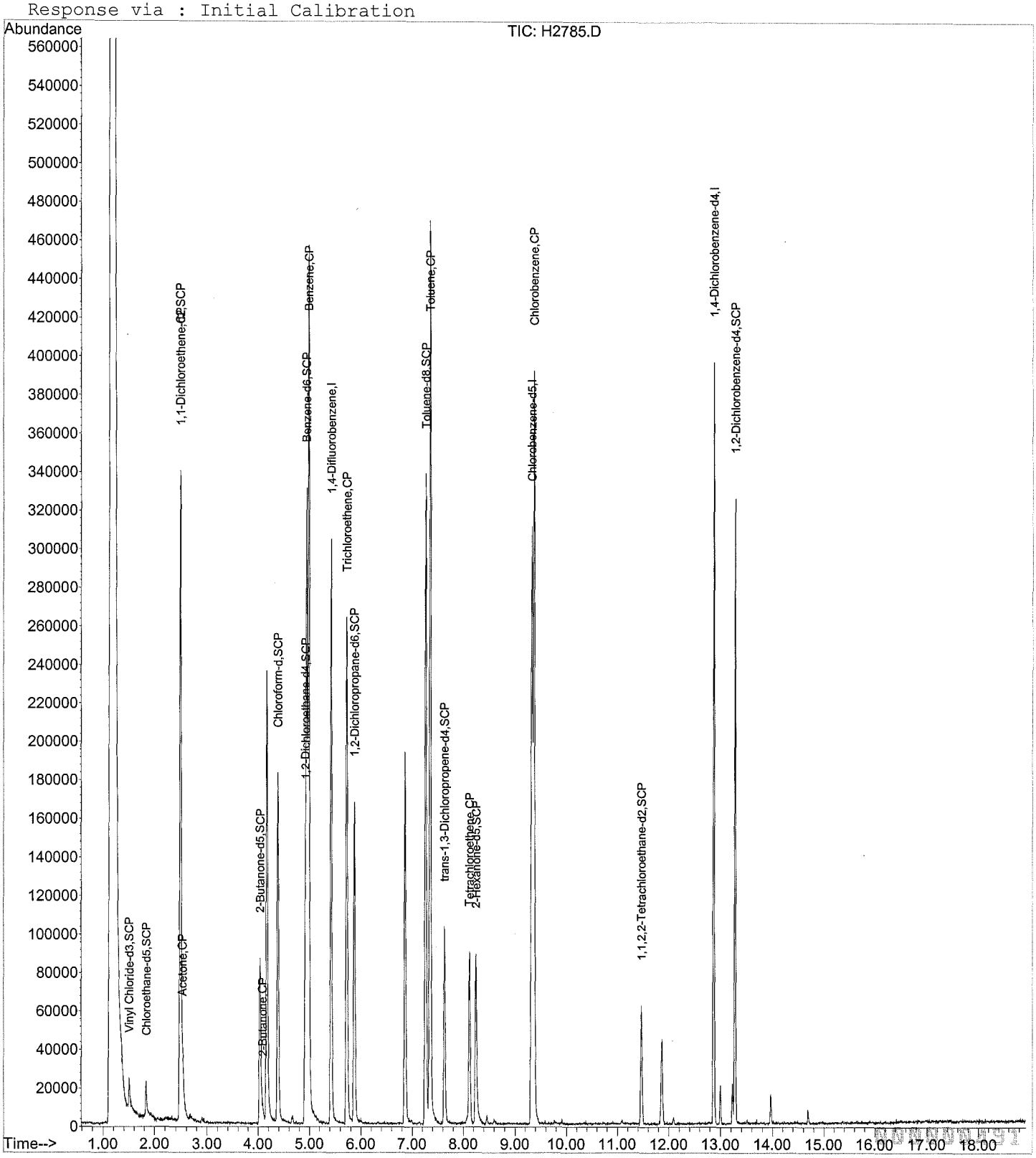
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2785.D
Acq On : 08/13/2010 0105
Sample : 0080085-MS1
Misc : F3KE7MS 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 16:58 2010

Vial: 32
Operator: AC
Inst : H-5975
Multiplr: 1.00

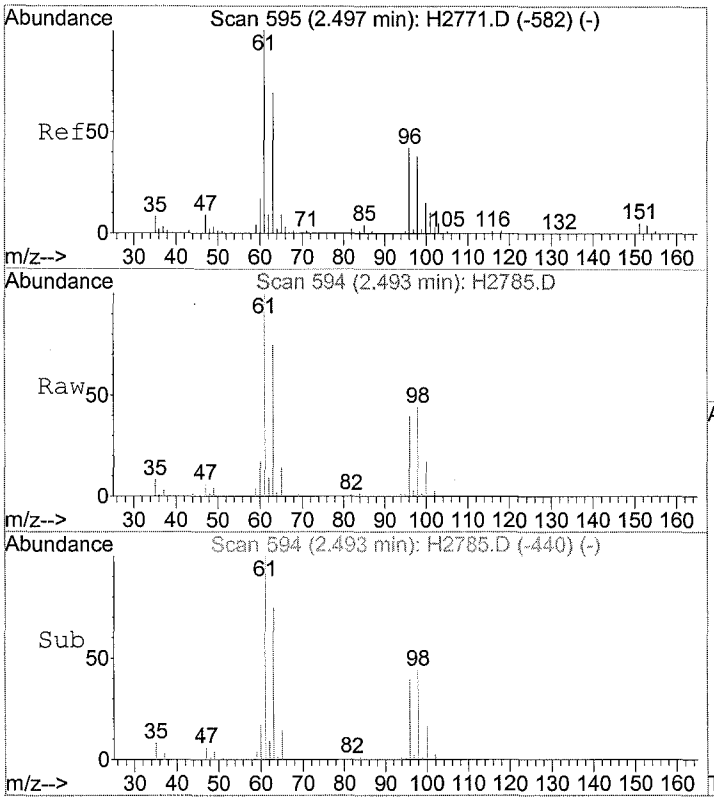
Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\H2785.D
Acq On : 08/13/2010 0105
Sample : 0080085-MS1
Misc : F3KE7MS 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

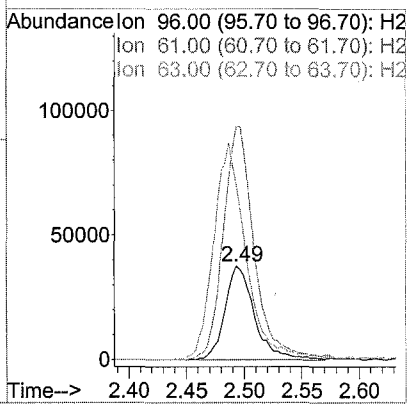
Vial: 32
Operator: AC
Inst : H-5975
Multiplr: 1.00

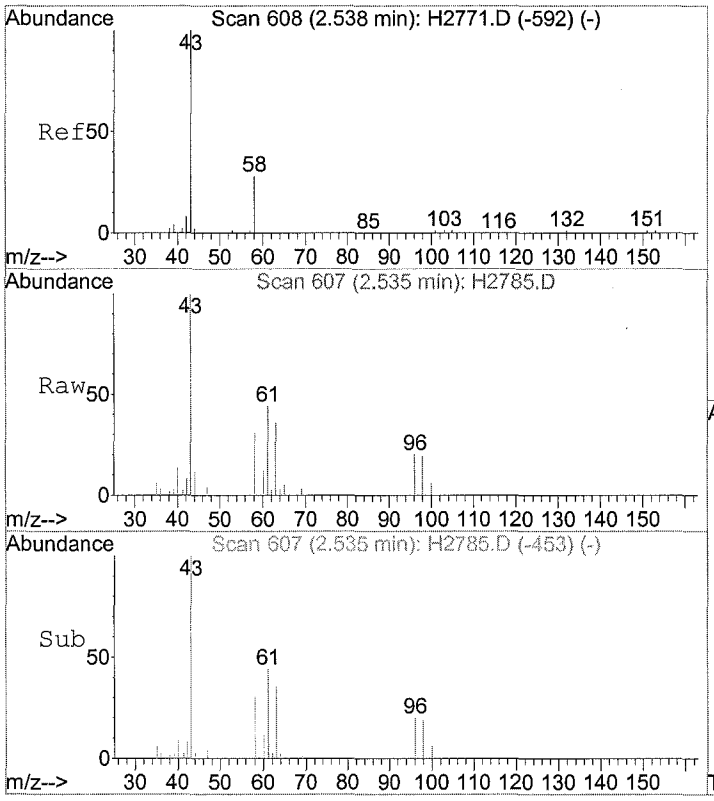


#11
1,1-Dichloroethene
Concen: 8.2731 ug/L
RT: 2.49 min Scan# 594
Delta R.T. -0.00 min
Lab File: H2785.D
Acq: 13 Aug 2010 1:05

Tgt Ion: 96 Resp: 67083

Ion	Ratio	Lower	Upper
96	100		
61	259.8	238.5	278.5
63	252.4	273.9	313.9#

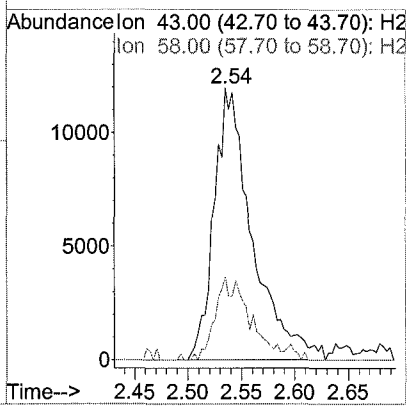




#13
Acetone
Concen: 10.6895 ug/L
RT: 2.54 min Scan# 607
Delta R.T. -0.00 min
Lab File: H2785.D
Acq: 13 Aug 2010 1:05

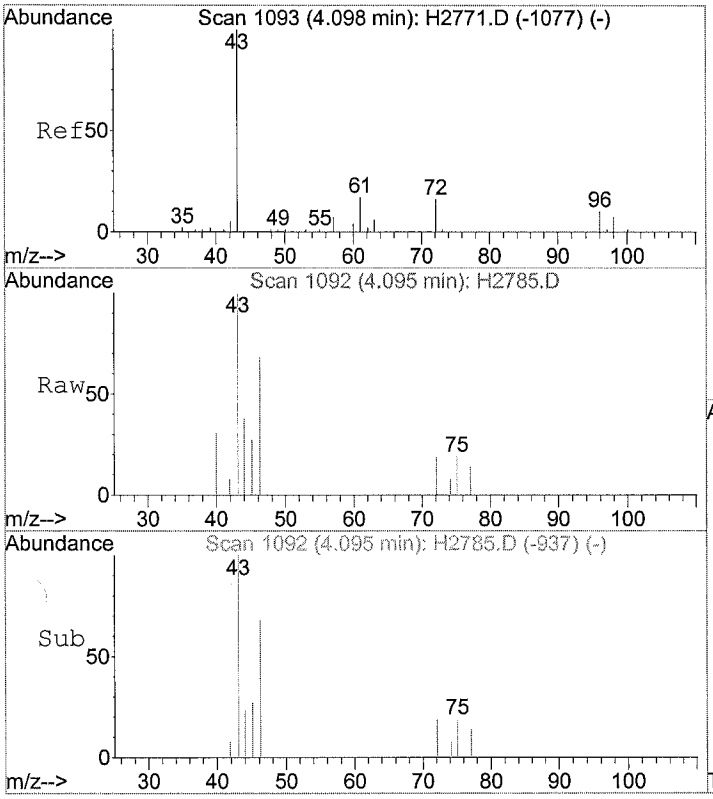
Tgt Ion: 43 Resp: 29828

Ion	Ratio	Lower	Upper
43	100		
58	27.3	9.3	49.3



000000492

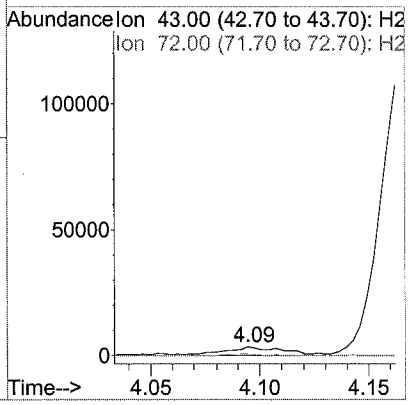
Data File : C:\MSDCHEM\1\DATA\H2785.D Vial: 32
Acq On : 08/13/2010 0105 Operator: AC
Sample : 0080085-MS1 Inst : H-5975
Misc : F3KE7MS 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

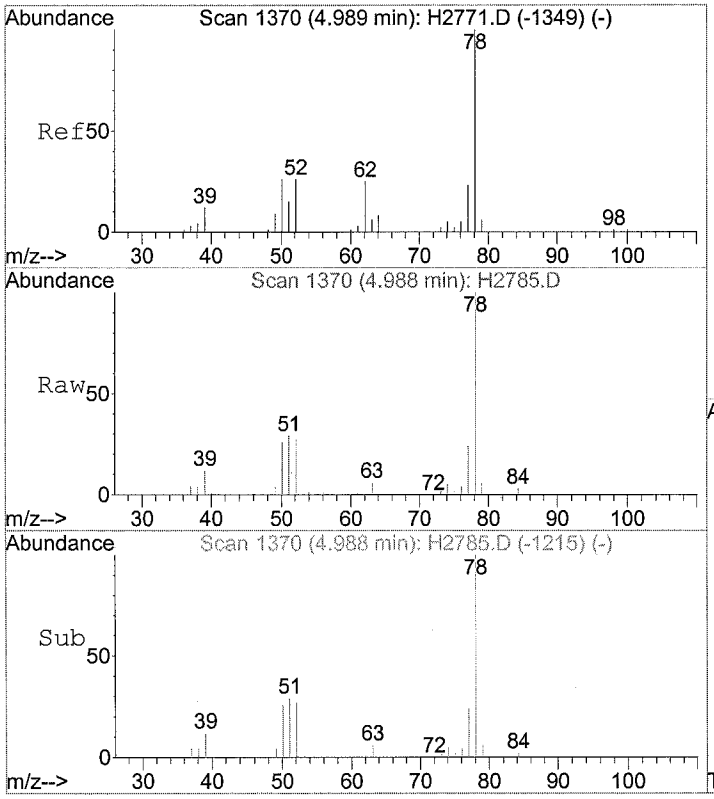


#22
2-Butanone
Concen: 1.5305 ug/L
RT: 4.09 min Scan# 1092
Delta R.T. -0.00 min
Lab File: H2785.D
Acq: 13 Aug 2010 1:05

Tgt Ion: 43 Resp: 6842

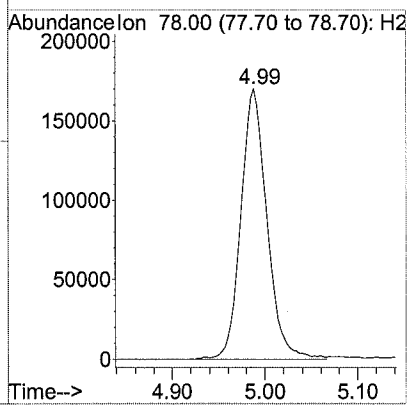
Ion	Ratio	Lower	Upper
43	100		
72	9.1	0.0	37.4





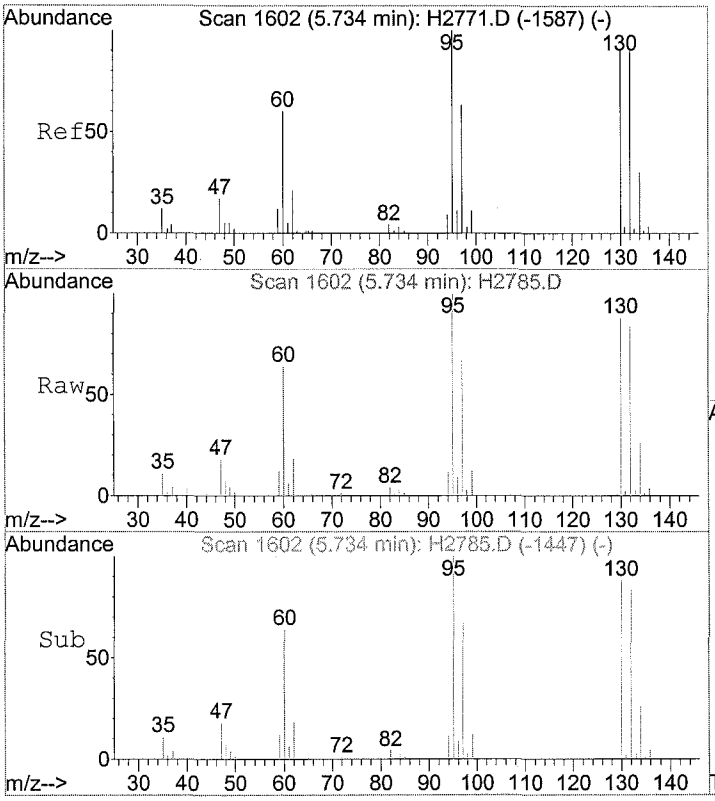
#33
Benzene
Concen: 6.9502 ug/L
RT: 4.99 min Scan# 1370
Delta R.T. -0.00 min
Lab File: H2785.D
Acq: 13 Aug 2010 1:05

Tgt Ion: 78 Resp: 334835



000000493

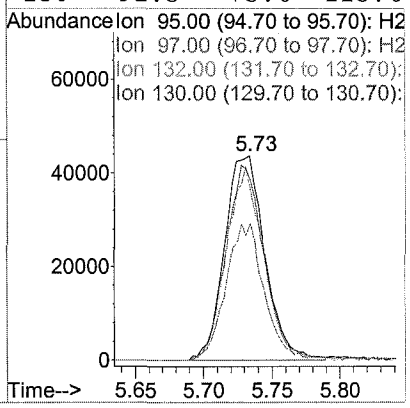
Data File : C:\MSDCHEM\1\DATA\H2785.D Vial: 32
Acq On : 08/13/2010 0105 Operator: AC
Sample : 0080085-MS1 Inst : H-5975
Misc : F3KE7MS 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

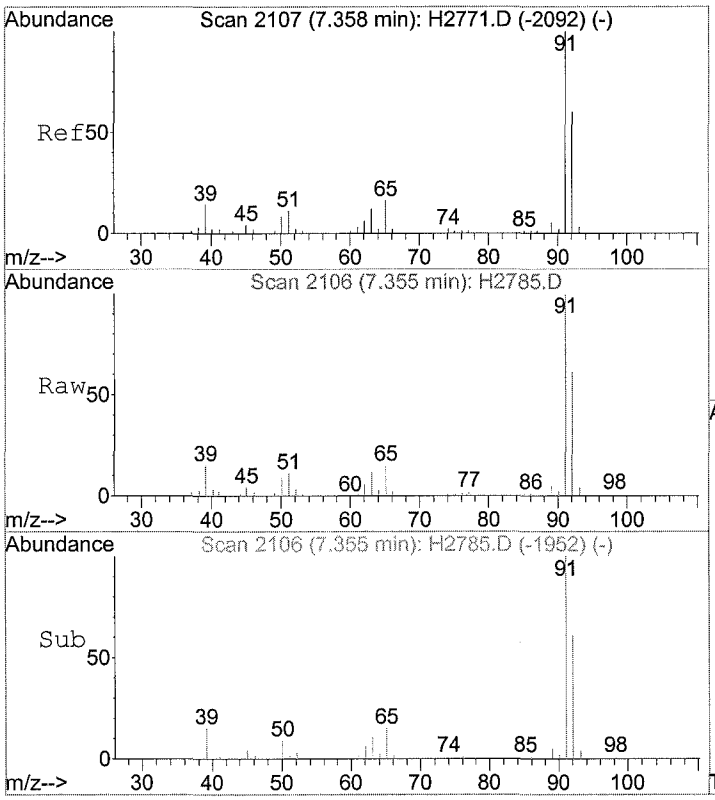


#34
Trichloroethene
Concen: 7.3075 ug/L
RT: 5.73 min Scan# 1602
Delta R.T. -0.00 min
Lab File: H2785.D
Acq: 13 Aug 2010 1:05

Tgt Ion: 95 Resp: 89502

Ion	Ratio	Lower	Upper
95	100		
97	63.0	43.0	83.0
132	87.6	66.4	106.4
130	91.3	73.6	113.6

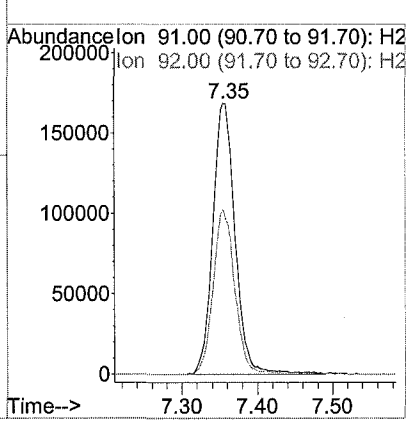




#42
Toluene
Concen: 6.9350 ug/L
RT: 7.35 min Scan# 2106
Delta R.T. -0.00 min
Lab File: H2785.D
Acq: 13 Aug 2010 1:05

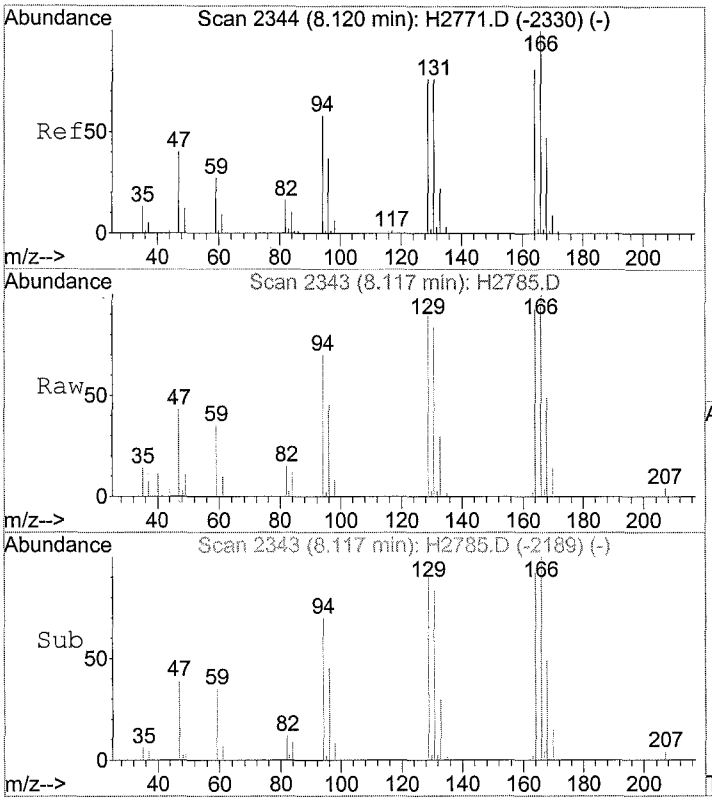
Tgt Ion: 91 Resp: 350013

Ion	Ratio	Lower	Upper
91	100		
92	59.2	38.9	78.9



00000494

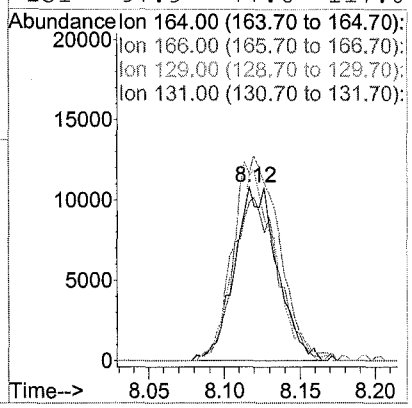
Data File : C:\MSDCHEM\1\DATA\H2785.D Vial: 32
Acq On : 08/13/2010 0105 Operator: AC
Sample : 0080085-MS1 Inst : H-5975
Misc : F3KE7MS 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

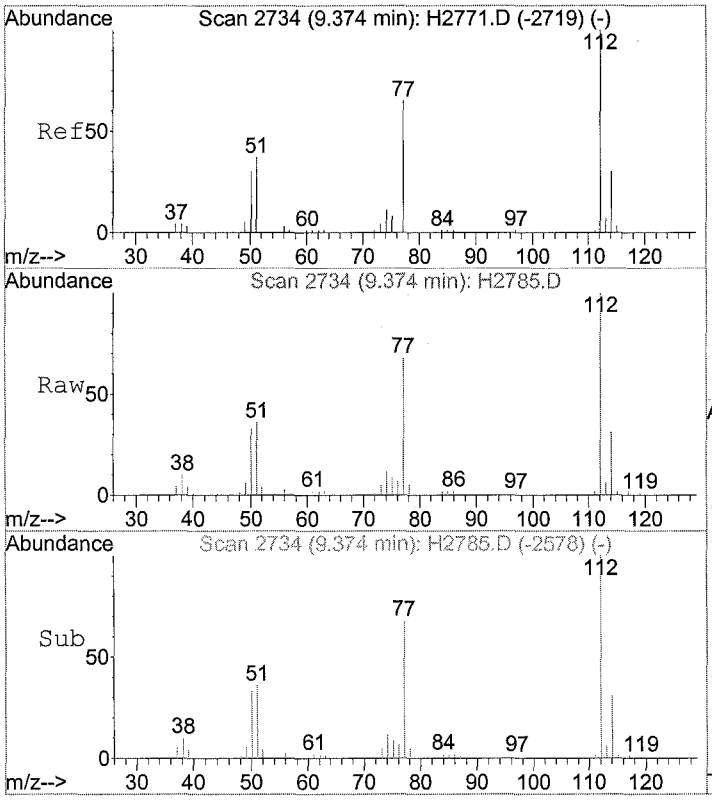


#46
Tetrachloroethene
Concen: 2.3899 ug/L
RT: 8.12 min Scan# 2343
Delta R.T. -0.00 min
Lab File: H2785.D
Acq: 13 Aug 2010 1:05

Tgt Ion:164 Resp: 21282

Ion	Ratio	Lower	Upper
164	100		
166	128.4	106.2	146.2
129	102.6	82.3	122.3
131	97.9	77.0	117.0

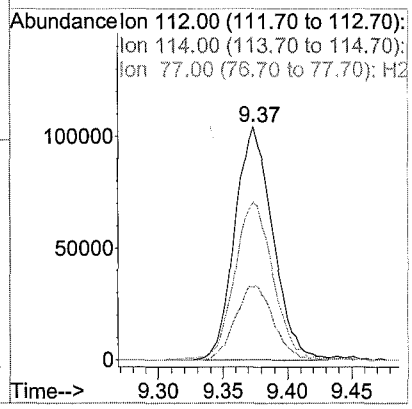




#51
Chlorobenzene
Concen: 6.7208 ug/L
RT: 9.37 min Scan# 2734
Delta R.T. -0.00 min
Lab File: H2785.D
Acq: 13 Aug 2010 1:05

Tgt Ion:112 Resp: 211948

Ion	Ratio	Lower	Upper
112	100		
114	31.9	12.1	52.1
77	69.5	49.8	89.8



000000495

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE7MSD

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-MSD1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2786.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	8.4	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	9.1	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.3	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	6.9	
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	6.9	

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F3KE7MSD

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-MSD1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2786.D

Level: (TRACE/LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	6.6	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	2.5	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	6.5	
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
F3KE7MSD

Lab Name: A4 SCIENTIFIC, INC. Contract: EPW05036

Lab Code: A4 Case No.: 40415 Mod. Ref No.: SDG No.: F3L05

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: 0080085-MSD1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: H2786.D

Level: (TRACE or LOW/MED) TRACE Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2786.D
Acq On : 08/13/2010 0130
Sample : 0080085-MSD1
Misc : F3KE7MSD 25ML
MS Integration Params: RTEINT.P
Quant Time: Aug 13 09:32:49 2010

Vial: 33
Operator: AC
Inst : H-5975
Multiplr: 1.00

Quant Results File: SOTH2771.RES

Quant Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration
DataAcq Meth : VOAC

8/17/10

8/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.43	114	203461	5.0000 ug/L	0.00
28) Chlorobenzene-d5	9.34	117	175981	5.0000 ug/L	0.00
59) 1,4-Dichlorobenzene-d4	12.88	152	79857	5.0000 ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.51	65	21426	7.7983 ug/L	0.00
Spiked Amount 5.0000	Range 65 - 131		Recovery = 155.97%#		
7) Chloroethane-d5	1.84	69	14046	6.9002 ug/L	0.00
Spiked Amount 5.0000	Range 71 - 131		Recovery = 138.00%#		
10) 1,1-Dichloroethene-d2	2.49	63	162671	6.7489 ug/L	0.00
Spiked Amount 5.0000	Range 55 - 104		Recovery = 134.98%#		
20) 2-Butanone-d5	4.04	46	131380	49.6491 ug/L	0.00
Spiked Amount 50.0000	Range 49 - 155		Recovery = 99.30%		
24) Chloroform-d	4.38	84	128403	4.8738 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 121		Recovery = 97.48%		
26) 1,2-Dichloroethane-d4	4.92	65	75944	4.5264 ug/L	0.00
Spiked Amount 5.0000	Range 78 - 129		Recovery = 90.53%		
32) Benzene-d6	4.95	84	240125	5.0580 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 124		Recovery = 101.16%		
35) 1,2-Dichloropropane-d6	5.87	67	68067	4.8085 ug/L	0.00
Spiked Amount 5.0000	Range 79 - 124		Recovery = 96.17%		
41) Toluene-d8	7.27	98	212113	4.8641 ug/L	0.00
Spiked Amount 5.0000	Range 77 - 121		Recovery = 97.28%		
43) trans-1,3-Dichloropropene-	7.63	79	58605	4.0265 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 121		Recovery = 80.53%		
47) 2-Hexanone-d5	8.24	63	33563	46.3263 ug/L	0.00
Spiked Amount 50.0000	Range 28 - 135		Recovery = 92.65%		
57) 1,1,2,2-Tetrachloroethane-	11.47	84	32654	3.7076 ug/L	0.00
Spiked Amount 5.0000	Range 73 - 125		Recovery = 74.15%		
63) 1,2-Dichlorobenzene-d4	13.28	152	61058	4.7416 ug/L	0.00
Spiked Amount 5.0000	Range 80 - 131		Recovery = 94.83%		

Target Compounds					Qvalue
11) 1,1-Dichloroethene	2.49	96	65947	8.3710 ug/L #	86
13) Acetone	2.54	43	24575	9.0647 ug/L	99
22) 2-Butanone	4.09	43	5457	1.2564 ug/L	65
33) Benzene	4.99	78	333919	6.8885 ug/L	100
34) Trichloroethene	5.73	95	85256	6.9179 ug/L	98
42) Toluene	7.36	91	335527	6.6070 ug/L	97
46) Tetrachloroethene	8.12	164	22329	2.4920 ug/L	98
51) Chlorobenzene	9.37	112	206414	6.5050 ug/L	98

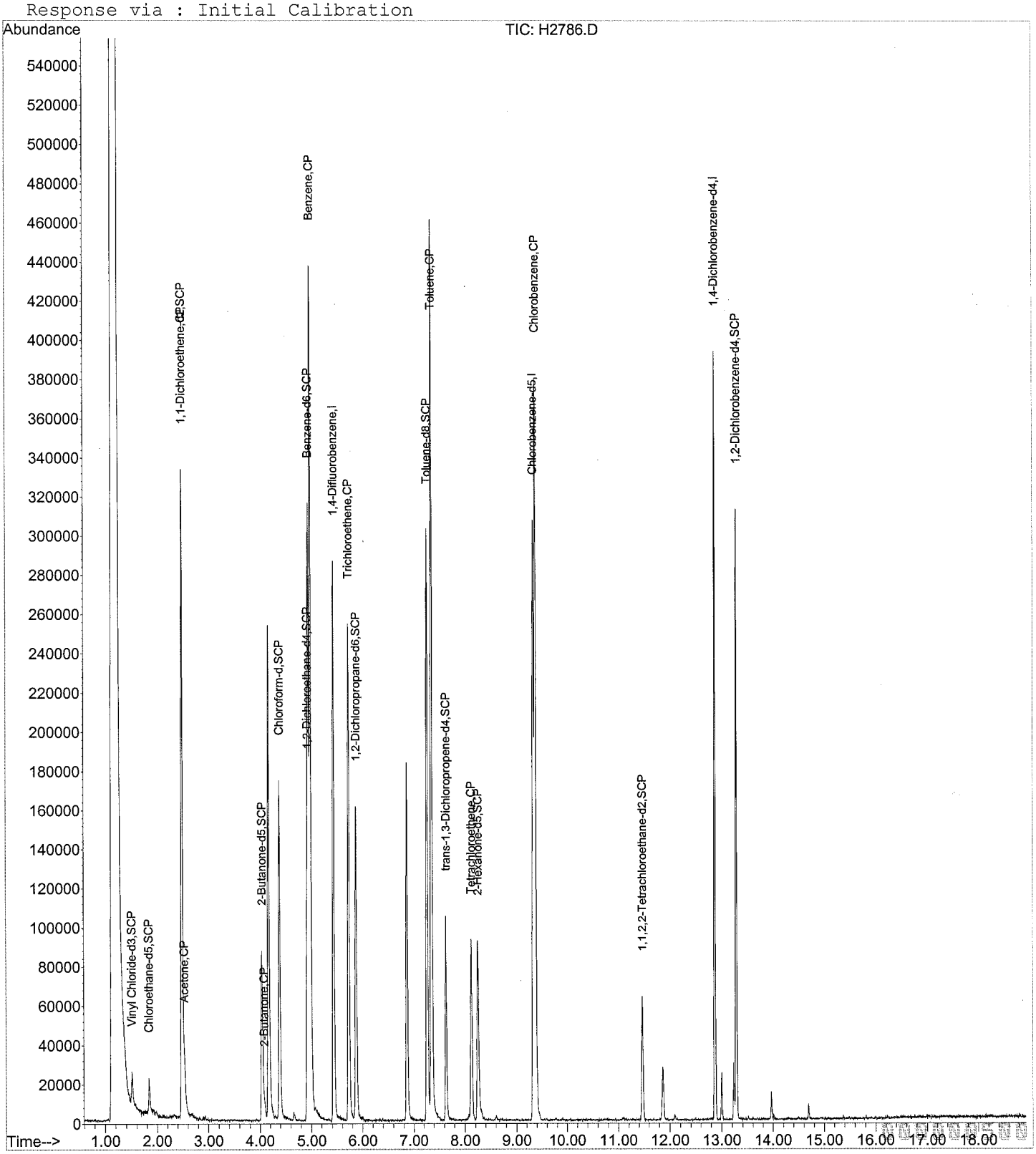
00000499

(#) = qualifier out of range (m) = manual integration (+) = signals summed

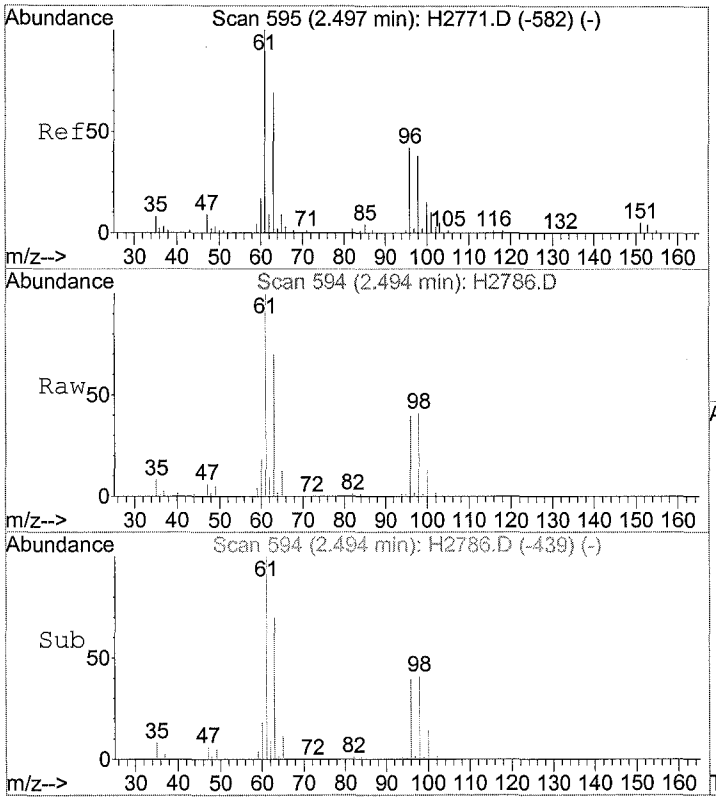
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\H2786.D Vial: 33
Acq On : 08/13/2010 0130 Operator: AC
Sample : 0080085-MSD1 Inst : H-5975
Misc : F3KE7MSD 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 13 17:00 2010 Quant Results File: SOTH2771.RES

Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML
Last Update : Thu Aug 12 19:19:30 2010
Response via : Initial Calibration



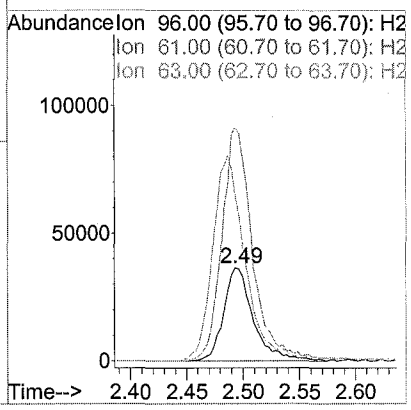
```
Data File : C:\MSDCHEM\1\DATA\H2786.D                    Vial: 33
Acq On    : 08/13/2010  0130                          Operator: AC
Sample    : 0080085-MSD1                              Inst    : H-5975
Misc      : F3KE7MSD    25ML                          Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title     : CLP SOM01.2-TRACE VOA-WATER -25ML
```

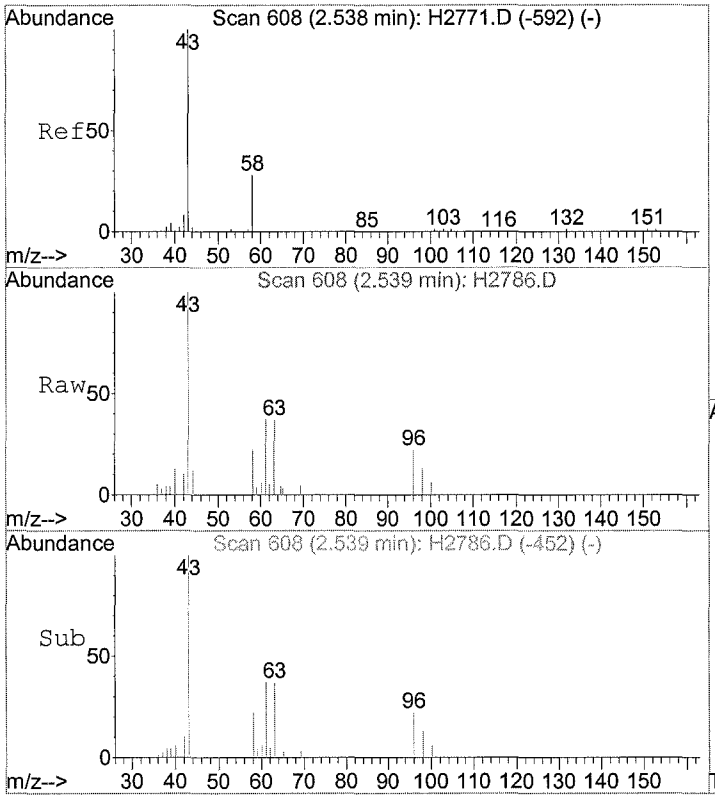


#11
1,1-Dichloroethene
Concen: 8.3710 ug/L
RT: 2.49 min Scan# 594
Delta R.T. -0.00 min
Lab File: H2786.D
Acq: 13 Aug 2010 1:30

Tgt Ion: 96 Resp: 65947

Ion	Ratio	Lower	Upper
96	100		
61	262.1	238.5	278.5
63	246.7	273.9	313.9#

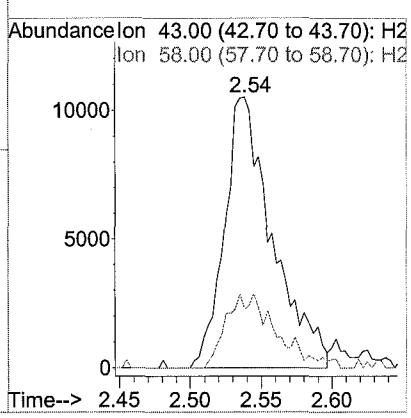




#13
Acetone
Concen: 9.0647 ug/L
RT: 2.54 min Scan# 608
Delta R.T. 0.00 min
Lab File: H2786.D
Acq: 13 Aug 2010 1:30

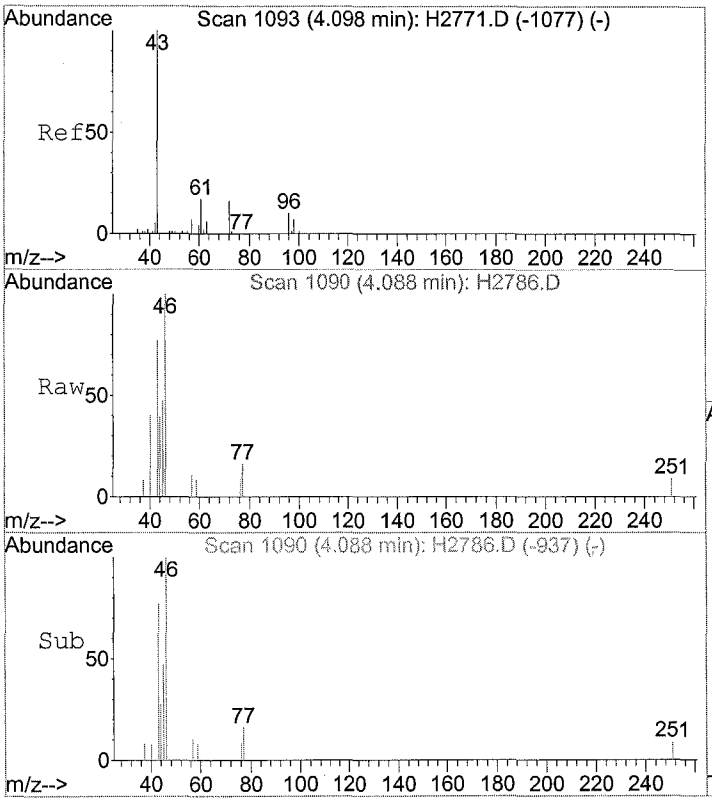
Tgt Ion: 43 Resp: 24575

Ion	Ratio	Lower	Upper
43	100		
58	28.6	9.3	49.3



000000501

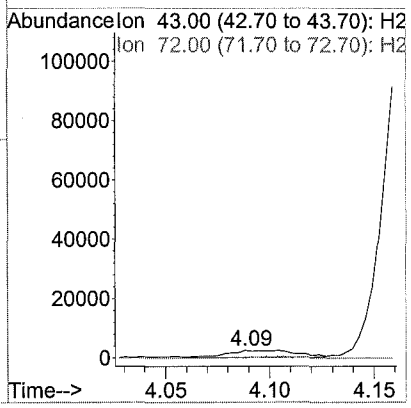
Data File : C:\MSDCHEM\1\DATA\H2786.D Vial: 33
Acq On : 08/13/2010 0130 Operator: AC
Sample : 0080085-MSD1 Inst : H-5975
Misc : F3KE7MSD 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

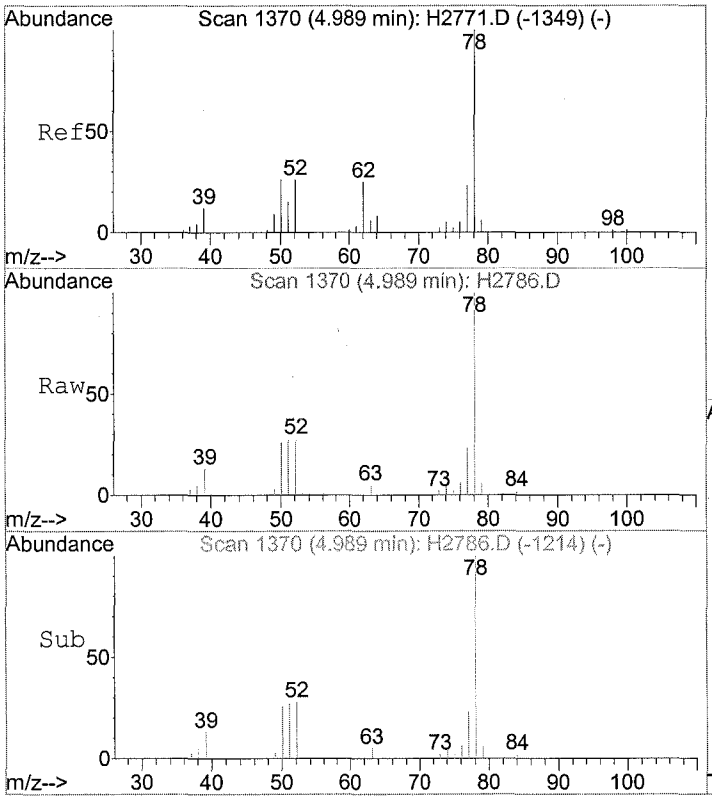


#22
2-Butanone
Concen: 1.2564 ug/L
RT: 4.09 min Scan# 1090
Delta R.T. -0.01 min
Lab File: H2786.D
Acq: 13 Aug 2010 1:30

Tgt Ion: 43 Resp: 5457

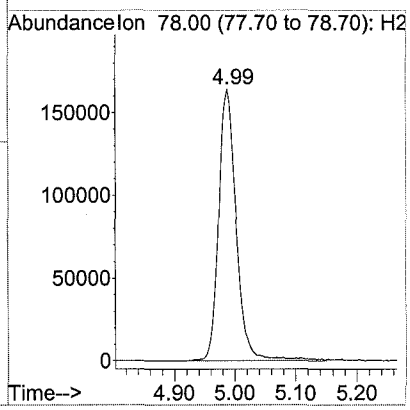
Ion	Ratio	Lower	Upper
43	100		
72	2.0	0.0	37.4





#33
Benzene
Concen: 6.8885 ug/L
RT: 4.99 min Scan# 1370
Delta R.T. 0.00 min
Lab File: H2786.D
Acq: 13 Aug 2010 1:30

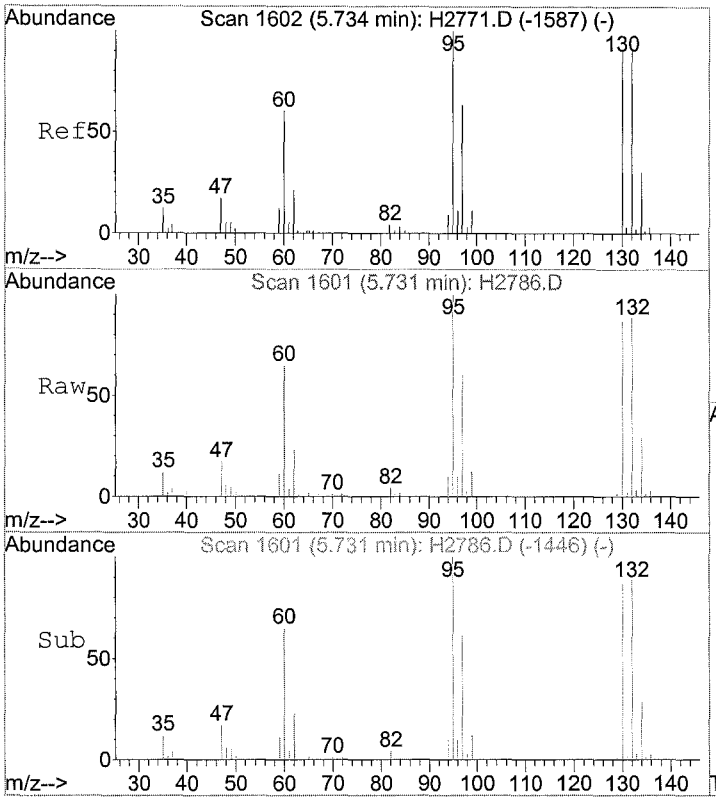
Tgt Ion: 78 Resp: 333919



000000502

Data File : C:\MSDCHEM\1\DATA\H2786.D
Acq On : 08/13/2010 0130
Sample : 0080085-MSD1
Misc : F3KE7MSD 25ML
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

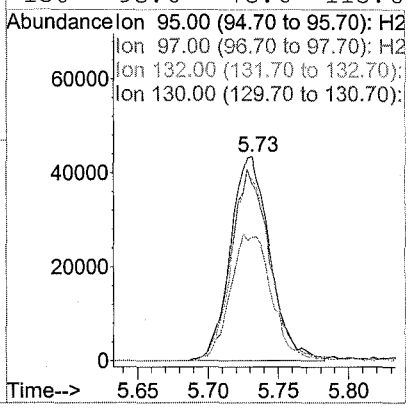
Vial: 33
Operator: AC
Inst : H-5975
Multiplr: 1.00

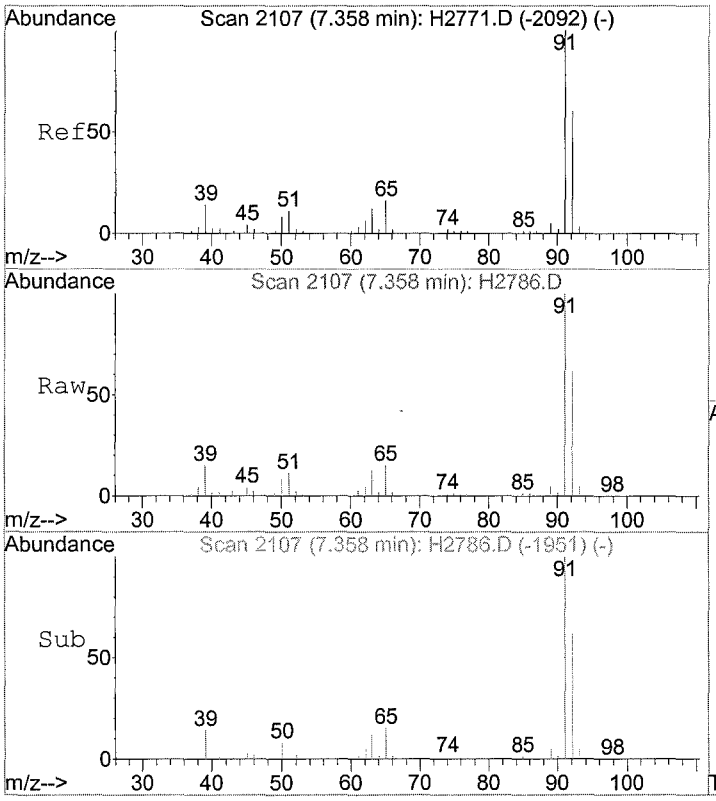


#34
Trichloroethene
Concen: 6.9179 ug/L
RT: 5.73 min Scan# 1601
Delta R.T. -0.00 min
Lab File: H2786.D
Acq: 13 Aug 2010 1:30

Tgt Ion: 95 Resp: 85256

Ion	Ratio	Lower	Upper
95	100		
97	65.0	43.0	83.0
132	90.9	66.4	106.4
130	93.6	73.6	113.6

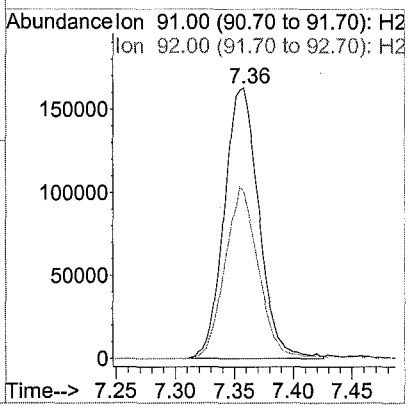




#42
Toluene
Concen: 6.6070 ug/L
RT: 7.36 min Scan# 2107
Delta R.T. 0.00 min
Lab File: H2786.D
Acq: 13 Aug 2010 1:30

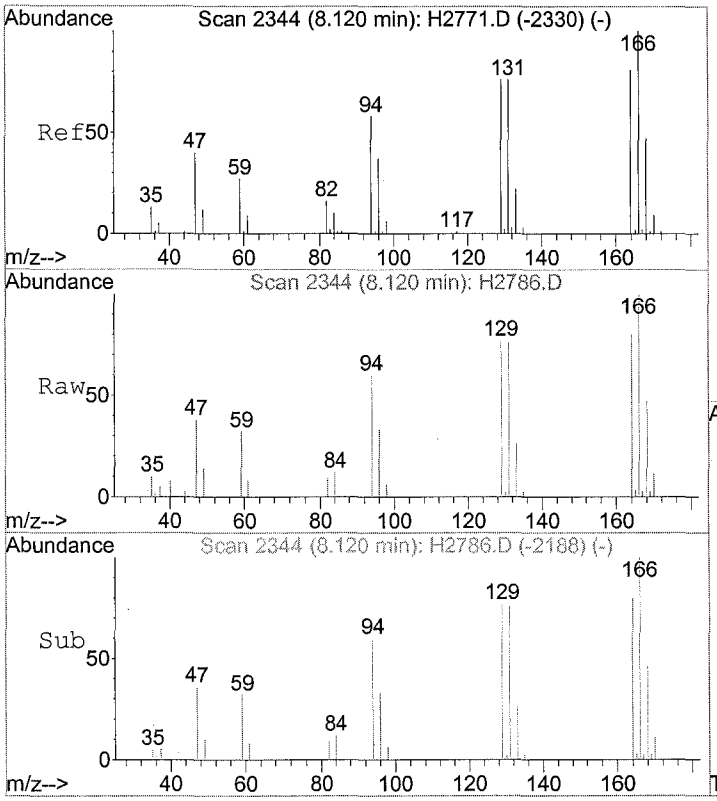
Tgt Ion: 91 Resp: 335527

Ion	Ratio	Lower	Upper
91	100		
92	61.1	38.9	78.9



000000503

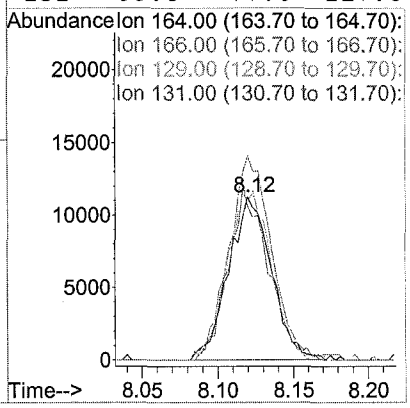
Data File : C:\MSDCHEM\1\DATA\H2786.D Vial: 33
Acq On : 08/13/2010 0130 Operator: AC
Sample : 0080085-MSD1 Inst : H-5975
Misc : F3KE7MSD 25ML Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\SOTH2771.M (RTE Integrator)
Title : CLP SOM01.2-TRACE VOA-WATER -25ML

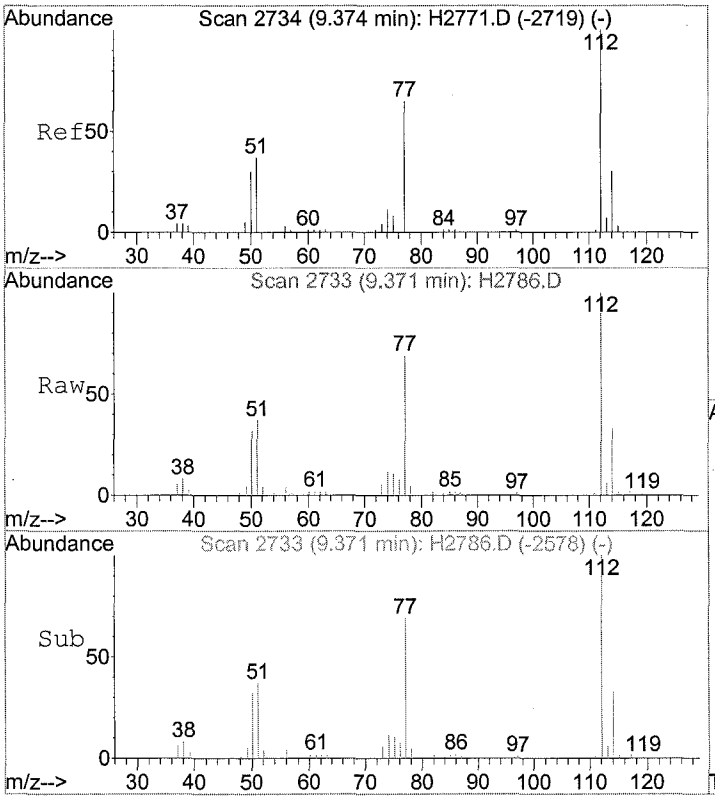


#46
Tetrachloroethene
Concen: 2.4920 ug/L
RT: 8.12 min Scan# 2344
Delta R.T. 0.00 min
Lab File: H2786.D
Acq: 13 Aug 2010 1:30

Tgt Ion:164 Resp: 22329

Ion	Ratio	Lower	Upper
164	100		
166	124.7	106.2	146.2
129	104.2	82.3	122.3
131	99.8	77.0	117.0

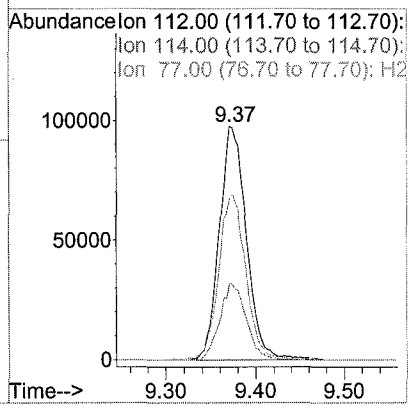




#51
Chlorobenzene
Concen: 6.5050 ug/L
RT: 9.37 min Scan# 2733
Delta R.T. -0.00 min
Lab File: H2786.D
Acq: 13 Aug 2010 1:30

Tgt Ion:112 Resp: 206414

Ion	Ratio	Lower	Upper
112	100		
114	31.9	12.1	52.1
77	71.6	49.8	89.8



00000504

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Instrument Run Log – GC/MS Purgeables Instrument ID: F-5973			
Effective	Area	Type	Number-Version	RCN
7-April-09	QA	FORM	6FORM08-A	781-0407

ROUTINE MAINTENANCE (record major maintenance in the Maintenance Logbook): _____

TUNE FILE ID: A4BFBU EMV: 1824 DATE: 8/11/10 CAL ID: AH01202

METHOD FILEs: BFB.M, VOAC.M, SOT43949.M INTERNAL STD. ID: 782-P241-10

ANALYTICAL METHOD: TVOA SOP: 3SOP01-B 8/12/10 SURR. STD. ID: 782-P242-10

FILE ID	CLIENT SAMPLE ID	LAB SAMPLE ID	SAMPLE WT/VOL	AUTO SAMPLER POSITION	DIL	INJ. VOL.	STANDARDS ID, pH & COMMENTS
F3944	BFB8K	OH12003-TUN1	SONG 8/12/10		–	1ML	782-P159-10
45	VSTD005 8K	-CAL1	25mL	8/12/10	–	–	782-P241-10 P243-10
46	VSTD020 8K	-CAL5			–	–	X
47	VSTD020 8K	-CAL5			–	–	✓
48	VSTD010 8K	-CAL4			–	–	✓
49	VSTD005 8K	-CAL3			–	–	✓
50	VBLK	VBLK			–	–	X
51	VSTD001 8K	OH12003-CAL2			–	–	✓

8/12/10

Notes: OH12003 D.E. done

Analyst/Date: 8/12/10 Reviewer/Date: 8/11/10

000000505

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	**Instrument Run Log – GC/MS Purgeables** Instrument ID: **H-5975**			
Effective	Area	Type	Number-Version	RCN
03-Feb-2010	**VOA**	**FORM**	**3FORM02-A**	**841-0410**

ROUTINE MAINTENANCE (record major maintenance in the Maintenance Logbook): _____

BATCHES(S): 0080077/85 SEQUENCE: OH12006 CALIBRATION: HH01603
ACQ. METHOD(s): VOAC-M PROCESSING METHOD(S): SOTH2758
EMV: 1247 INETRANL STD. ID: 782-P241-10 SURROGATE STD. ID: 782-P242-10
ANALYTICAL METHOD: TVOA SOP: 3SOP01-B START DATE: 8/12/10

FILE ID	LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLE WT/VOL	DIL.	STANDARDS ID, pH & COMMENTS
H2756	OH12006-TUN1	BFB5P	50NG	✓	782-P159-10
57	—CAL3	VSTD0055P	25ml	✗	782-P241 to P245
58	—CAL3	VSTD005P		✓	
59	—CAL5	VSTD0205P		✓	
60	ZZZ	ZZZ		✓	
61	OH12006-CAL2	VSTD0015P		✗	
62	—CAL1	VSTD055P		✓	
63	—CAL4	VSTD0105P		✓	
64	—CAL2	VSTD0015P		✓	
65	0080077-BLK1	VBLK5P		✓	
66	ZZZ	ZZZ			
67	0012597-01	F3L04		✓	
68	0080077-CCB1	VIBLKMP		✓	
69	0012601-14	F3KF2		✓	pH<2
70	↓ —16	↓ F6		✓	↓
71	OH12006-CCV1	VSTD0055Q		✓	
72	ZZZ	ZZZ		✗	
73	0080085-BLK1	VBLK5Q		✓	
74	ZZZ	ZZZ		✗	
8/13/10 75	0012~~602~~598-01	FELO5		✓	
76	0080085-CCB1	VIBLKMQ		✓	

NOTES: DEDONE

ANALYST/DATE: 8/13/10 REVIEWER/DATE: 8/16/10

0000506

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
281-292-5277

Instrument Run Log – GC/MS Purgeables

Instrument ID: H-5975

Effective	Area	Type	Number-Version	RCN
03-Feb-2010	VOA	FORM	3FORM02-A	841-0410

ROUTINE MAINTENANCE (record major maintenance in the Maintenance Logbook): _____

BATCHES(S): 0080085 SEQUENCE: OH12006 CALIBRATION: AH01603
ACQ. METHOD(s): VOACM PROCESSING METHOD(S): SOTH2771.M
EMV: 1247 INETRANL STD. ID: 782-P241-10 SURROGATE STD. ID: 782-P242-10
ANALYTICAL METHOD: TVOA SOP: 3SOP01-B START DATE: 8/12/10

FILE ID	LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLE WT/VOL	DIL.	STANDARDS ID, pH & COMMENTS
H2777	0012597-01RE1	F3L04DL	25ml	2x	pH<2
78	0012598-01RE1	FEL05DL		2x	
79	0012602-01	F3K ~~D1~~ E2			
80	—02	~~D2~~ E3			
81	—03	~~D3~~ E4		8/17/10	
82	—04	~~D4~~ E5			
83	—05	~~D5~~ E6			
84	—06	~~D6~~ E7			
85	0080085-MS1	~~D6~~ E7 MS		8/17/10	
86	—MSD1	~~D6~~ E7 MSD			
87	0012601-18	VHBLK7W		8/16/10	
88	OH12006-CCV2	VSTD005SR			782-P241 to P243-10

8/13/10

NOTES: DE DONE

ANALYST/DATE: 8/13/10 REVIEWER/DATE: 8/16/10

000000507

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Instrument Run Log – GC/MS Purgeables Instrument ID: F-5973			
Effective	Area	Type	Number-Version	RCN
7-April-09	QA	FORM	6FORM08-A	781-0407

ROUTINE MAINTENANCE (record major maintenance in the Maintenance Logbook): _____

TUNE FILE ID: A4BFB.4 EMV: 1824 DATE: 8/13/10 CAL ID: AH01202
METHOD FILES: BFB.M, VOAC.M, SOP#3983.M INTERNAL STD. ID: 782-P241-10
ANALYTICAL METHOD: TVOA SOP: 3Sop01-B SURR. STD. ID: 782-P242-10

FILE ID	CLIENT SAMPLE ID	LAB SAMPLE ID	SAMPLE WT/VOL	AUTO SAMPLER POSITION	DIL	INJ. VOL.	STANDARDS ID, pH & COMMENTS
F3982	BFB8P	OH13002-Tun	50ng		–	1µL	782-P159-10
83	VSTD0058P	↓ –CCV	25ml		–	–	782-P241 to P243 10
84	VBLK8P	0080086-BLK			–	–	
85	F3KE8	002602-07			–	–	pH <2
86	E9	–08			–	–	
87	F0	–09			–	–	
88	C4	–10			–	–	
89	C5	–11			–	–	
90	C6	–12		8/13/10	–	–	
91	C7	–13			–	–	
92	C8	–14			–	–	
93	C9	–15			–	–	
94	D0	–16			–	–	
95	F3	–17			–	–	
96	F4	–18			–	–	
97	F5	–19			–	–	
98	VHBLK7T	–20			–	–	
99	VSTD0058Q	OH13002-CCV			–	–	782-P241 to P243 10
			8/13/10				

Notes: 0080086 / OH13002 D.E. [illegible]

Analyst/Date: [illegible] 8/13/10 Reviewer/Date: [illegible] 8/16/10

000000508

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Organics (VOA)			
Effective	Area	Type	Number-Version	RCN
3-Mar-2009	QA	FORM	6FORM15-A	782-0302

Solution Number: 782 - P159-10	**Analyst:** SP
Solution Name: BFB tuning compound	
Dilution Solvent Name: MeOH	**Dilution Solvent ID #:** A903035
Prep Date: 4/29/10	**Total Vol. (ml):** 1mL
Expiration Date: 8/28/10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
Restek	VOA tuning compound	30003	A910010	5000	10	50

4/29/10

NOTES _____

REVIEWER : _____ DATE: 4/29/10

000000509

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Organics (VOA)			
Effective	Area	Type	Number-Version	RCN
3-Mar-2009	QA	FORM	6FORM15-A	782-0302

Solution Number: 782-P238-10	**Analyst:** SP
Solution Name: (TVOA-SIM) Internal Std	
Dilution Solvent Name: MeOH	**Dilution Solvent ID #:** A903035
Prep Date: 8/11/10	**Total Vol. (ml):** 1 mL
Expiration Date: 9/10/10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
Restek	L/C VOA Internal Std mix	30091	A002069	2500	1	2.5

[signature] 8/11/10

NOTES

REVIEWER: [signature]

DATE: 08/11/10

000000510

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Organics (VOA)			
Effective	Area	Type	Number-Version	RCN
3-Mar-2009	QA	FORM	6FORM15-A	782-0302

Solution Number: 782-P239-10	**Analyst:** SP
Solution Name: (TVOA-SIM) DMC	
Dilution Solvent Name: MeOH	**Dilution Solvent ID #:** A903035
Prep Date: 8/11/10	**Total Vol. (ml):** 1ml
Expiration Date: 9/10/10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
CIL	1,2-Dichloro ethane-d4	DLM-18-1	A002084	5000	0.5	2.5
CIL	1,1,2,2-Tetrachloro ethane-d2	DLM-35-5		5000	0.5	2.5

8/11/10

NOTES

REVIEWER : [signature]

DATE: 08/11/10

000000511

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Organics (VOA)			
Effective	Area	Type	Number-Version	RCN
3-Mar-2009	QA	FORM	6FORM15-A	782-0302

Solution Number:	782-P240-10	**Analyst:**	SP
Solution Name:	(TVOA-SIM) STD		
Dilution Solvent Name:	MeOH	**Dilution Solvent ID #:**	A903035
Prep Date:	8/11/10	**Total Vol. (ml):**	1 mL
Expiration Date:	9/10/10		

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
Restek	1,2-Dibromo Ethane Standard	30272	A002075	2000	1.25	2.5
Restek	1,2-Dibromo-3-Chloropropane Std	30270	A002074	2000	1.25	2.5

8/11/10

NOTES

REVIEWER : [signature]

DATE: 08/11/10

000000512

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Organics (VOA)			
Effective	Area	Type	Number-Version	RCN
3-Mar-2009	QA	FORM	6FORM15-A	782-0302

Solution Number: 782-241-10	**Analyst:** SP
Solution Name: (TVOA) Internal Standard	
Dilution Solvent Name: MeOH	**Dilution Solvent ID #:** A903035
Prep Date: 8/12/10 SP 8/12/10	**Total Vol. (ml):** 1mL
Expiration Date: 9/10/10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
Restek	4/6 VOA Internal Standard mix	30091	A002069	2500	10	25
			SP 8/12/10			

NOTES

REVIEWER: [illegible] DATE: 08/11/10

000000513

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Organics (VOA)			
Effective	Area	Type	Number-Version	RCN
3-Mar-2009	QA	FORM	6FORM15-A	782-0302

Solution Number: 782-P242-10	**Analyst:** SP
Solution Name: (TVOA) DMC	
Dilution Solvent Name: MeOH	**Dilution Solvent ID #:** A903035
Prep Date: 8/12/10 ~~7~~ 8/11/10 8/12/10	**Total Vol. (ml):** 1mL
Expiration Date: 9/10/10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
Absolute Standards	CLP DMC Liquids	94155	A002093	2000	12.5	25
↓	CLP DMC Gases	94156	A002094	2000	12.5	25
Carbocore	2-Hexanone	CS-1249	782-P189-10	20,000	12.5	25
↓	2-Butanone	CS-124	782-P190-10	20,000	12.5	25

8/12/10

NOTES

REVIEWER : [signature]

DATE: 08/10/10

000000514

A4 Scientific 1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 281-292-5277	Standards Preparation Logbook Organics (VOA)			
Effective	Area	Type	Number-Version	RCN
3-Mar-2009	QA	FORM	6FORM15-A	782-0302

Solution Number: 782- P243-10	**Analyst:** SP
Solution Name: (TVOA) STD	
Dilution Solvent Name: MeOH	**Dilution Solvent ID #:** A903035
Prep Date: 8/~~11~~/10 SLM	**Total Vol. (ml):** 1ml
Expiration Date: 9/10/10 8/12/10	

Manufacturer	Standard Name	Mfg. Cat #	Lab ID	Initial Conc. (mg/L or µg/L)	Aliquot (mL or µL)	Final Conc. (mg/L or µg/L)
Restek	VOA Calibration mix #1	30006	A002070	5000	50	250
Restek	OLC 3.2 VOA mega mix	30492	A002072	2000	12.5	25
Restek	502.2 Calibration mix #1	30042	A002071	2000	12.5	25
			SLM 8/12/10			

NOTES _____

REVIEWER: _____ DATE: 08/16/10

000000515

12598-A

ORIGIN ID: LASA (702) 895-8712
DAVID HAUCK
SHAW ENVIRONMENTAL/CRC
2700 CHANDLER AVE STE C

LAS VEGAS, NV 89120
UNITED STATES US

SHIP DATE: 09AUG10
ACTWGT: 2.0 LB MAN
CAD: 214658/CAFE2453

BILL SENDER

TO LAXMI TEERUPALLI
A4 SCIENTIFIC, INC
1544 SAWDUST RD
SUITE 505
THE WOODLANDS TX 77380
(281) 292-5277
REF: 03010000

Kishu
8/10/10
10:30

FedEx
Express

E

TUE - 10AUG A1
PRIORITY OVERNIGHT

TRK# 0201 4175 5895 2773

XH CXOA

77380
TX-US
IAH

Part # 156148-434 NRIT 8-05

000000516

Recipient Copy

CHAIN-OF-CUSTODY RECORD

COC No. 11634

Order Number: SG011142 Date Shipped: 8/9/2010 AirBill No(s): 417558952773

From: QATS LABORATORY
2700 CHANDLER AVENUE, BLDG. B
LAS VEGAS, NV 89120
PHONE: 1-702-895-8712
FAX: 1-702-795-8210

To: LAXMI TEERUPALLI
A4 SCIENTIFIC, INC.
1544 SAWDUST ROAD, SUITE 505
THE WOODLANDS TX 77380
281-292-5277

Sample ID Number	Qty	Description/Remarks	→ Catalogue Number
F3L04	1	TRACE CONC. AQUEOUS VOLATILE	01-001 0012597-01
F3L05	1	TRACE CONC. AQUEOUS VOLATILE	01-001 ~~-02~~ 0012598-01

Please use the enclosed Sample Preparation Instructions. If catalogue number(s) are listed at the top of the Sample Preparation Instructions use the Sample Preparation Instructions with catalogue number(s) matching the catalogue number(s) of each of the samples listed above.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8/9/10 15:00	Kishan	8/10/10, 10:30
Custody Seal(s): Present/Absent	Remarks:		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

000000517

QATS Form 20-008F053R00 04-05-2010

3

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 40415
DAS No:
SDG No: F3L05 L

Date Shipped:	8/10/2010
Carrier Name:	EA Engineering
Airbill:	
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	[signature]	8/10/10 1400	Justin Suchechi	8/11/10 9:00
2	Justin Suchechi	8/11/10	[signature]	8/11/10, 13:00
3		12:45		
4				

Sampler Signature: [signature]

For Lab Use Only

Lab Contract No:	EPW05036
Unit Price:	
Transfer To:	
Lab Contract No:	AW 8/11/10
Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
F3KE2	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401661 (HCL), 6-401662 (HCL) (2)	NGMW-02-157	S: 8/10/2010	10:38		0012602-01
F3KE3	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401663 (HCL), 6-401664 (HCL), 6-401665 (HCL) (3)	NGMW-02-162	S: 8/10/2010	10:43		-02
F3KE4	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401666 (HCL), 6-401667 (HCL), 6-401668 (HCL) (3)	NGMW-02-167	S: 8/10/2010	11:02		-03
F3KE5	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401669 (HCL), 6-401670 (HCL), 6-401671 (HCL) (3)	NGMW-03-132	S: 8/10/2010	7:23		-04
F3KE6	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401672 (HCL), 6-401673 (HCL), 6-401674 (HCL) (3)	NGMW-03-137	S: 8/10/2010	7:29		-05
F3KE7	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401675 (HCL), 6-401676 (HCL), 6-401677 (HCL), 6-401678 (HCL), 6-401679 (HCL), 6-401680 (HCL), 6-401681 (HCL), 6-401682 (HCL), 6-401683 (HCL) (9)	NGMW-03-142	S: 8/10/2010	7:40		-06
F3KE8	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401684 (HCL), 6-401685 (HCL), 6-401686 (HCL) (3)	NGMW-03-147	S: 8/10/2010	7:49		-07
F3KE9	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401687 (HCL), 6-401688 (HCL), 6-401689 (HCL) (3)	NGMW-03-152	S: 8/10/2010	7:53		-08
F3KF0	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401690 (HCL), 6-401691 (HCL), 6-401692 (HCL) (3)	NGMW-03-157	S: 8/10/2010	7:57		-09

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	F3KE7		4°C	NA

Analysis Key: TVOA ...01 = TRACE VOA

Concentration: L = Low, M = Low/Medium, H = High

Type/Designate: Composite = C, Grab = G

Custody Seal Intact? Y

Shipment Iced? Y

TR Number: 6-001352085-081010-0006

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

EPA

Case No: 40415
DAS No:
SDG No: F3L05 **L**

Date Shipped:	8/10/2010
Carrier Name:	EA Engineering
Airbill:	
Shipped to:	A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1	8/10/10 1800	Justin Suchecki	8/11/10 9:00
2 Justin Suchecki	8/11/10 12:45	Krigh	8/11/10, 15:00
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No:	EPW05036
Unit Price:	
Transfer To:	
Lab Contract No:	DW 8/11/10
Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
F3KC4	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401600 (HCL), 6-401601 (HCL), 6-401602 (HCL) (3)	NGMW-01-122	S: 8/10/2010	11:35		0012602-10
F3KC5	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401603 (HCL), 6-401604 (HCL), 6-401605 (HCL) (3)	NGMW-01-127	S: 8/10/2010	11:40		-11
F3KC6	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401606 (HCL), 6-401607 (HCL), 6-401608 (HCL) (3)	NGMW-01-132	S: 8/10/2010	11:45		-12
F3KC7	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401609 (HCL), 6-401610 (HCL), 6-401611 (HCL) (3)	NGMW-01-137	S: 8/10/2010	11:55		-13
F3KC8	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401612 (HCL), 6-401613 (HCL), 6-401614 (HCL) (3)	NGMW-01-137 D	S: 8/10/2010	12:00		-14
F3KC9	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401615 (HCL), 6-401616 (HCL), 6-401617 (HCL) (3)	NGMW-01-142	S: 8/10/2010	12:05		-15
F3KD0	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-401622 (HCL), 6-401623 (HCL), 6-401624 (HCL) (3)	NGMW-01-147	S: 8/10/2010	12:10		-16
F3KF3	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-485950 (HCL), 6-485951 (HCL), 6-485952 (HCL) (3)	SF-06-125	S: 8/10/2010	9:16		-17
F3KF4	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-485953 (HCL), 6-485954 (HCL), 6-485955 (HCL) (3)	SF-06-128	S: 8/10/2010	9:20		-18
F3KF5	Ground Water/ Fiona Jordan	L/G	TVOA SOM01 (7)	6-485956 (HCL), 6-485957 (HCL), 6-485958 (HCL) (3)	SF-06-128 D	S: 8/10/2010	9:23		-19

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Cooler Temperature Upon Receipt:** 4°C	**Chain of Custody Seal Number:** NA
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Custody Seal Intact?** Y	**Shipment Iced?** Y

TVOA SOM01 = TRACE VOA

TR Number: 6-001352085-081010-0004

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	0740		

Tag Number 6-401682

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks:

STATION LOCATION: NGMW-03-142
SAMPLE NUMBER: F3KE7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401682

12602-06

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	0740		

Tag Number 6-401683

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks:

STATION LOCATION: NGMW-03-142
SAMPLE NUMBER: F3KE7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401683

12602-06

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	0723		

Tag Number 6-401670

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks:

STATION LOCATION: NGMW-03-132
SAMPLE NUMBER: F3KE5
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401670

12602-04

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
00000052		8/10/10	0749		

Tag Number: 6- 401685

Station Location

Samplers (Signatures)

Concentration: ☐ L 12602-07

Remarks:

Lab Sample No. ☐ H

STATION LOCATION: NGMW-03-147
SAMPLE NUMBER: F3KE8
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401685

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0740		

Tag Number: 6- 401679

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

Lab Sample No.

STATION LOCATION: NGMW-03-142
SAMPLE NUMBER: F3KE7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401679

12602-06

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0749		

Tag Number: 6- 401686

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

Lab Sample No.

STATION LOCATION: NGMW-03-147
SAMPLE NUMBER: F3KE8
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401686

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
00000522		8/10/10	1043		

Station Location

Samplers (Signatures)

Tag Number 6- 401663

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks:

STATION LOCATION: NGMW-02-162
SAMPLE NUMBER: F3KE3
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401663

12602-02

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	0749		

12602-07

Samplers (Signatures)

Tag Number 6- 401684

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks:

STATION LOCATION: NGMW-03-147
SAMPLE NUMBER: F3KE8
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401684

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	1102		

Station Location

Samplers (Signatures)

Tag Number 6- 401667

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: NGMW-02-167
SAMPLE NUMBER: F3KE4
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401667

12602-03

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
0000000523		8/10/10	0757		

Tag Number 6- 401690

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks: 12602-09

Lab Sample No.

STATION LOCATION: NGMW-03-157
SAMPLE NUMBER: F3KF0
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401690

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	1043		

Tag Number 6- 401664

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

Lab Sample No.

STATION LOCATION: NGMW-02-162
SAMPLE NUMBER: F3KE3
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401664

12602-02

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	1038		

Tag Number 6- 401661

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ H

12602-01

Lab Sample No.

STATION LOCATION: NGMW-02-157
SAMPLE NUMBER: F3KE2
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401661

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	1102		

Tag Number: 6-401666

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-02-167
SAMPLE NUMBER: F3KE4
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401666

12602-03

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0740		

Tag Number: 6-401677

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-03-142
SAMPLE NUMBER: F3KE7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401677

12602-06

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0753		

Tag Number: 6-401688

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-03-152
SAMPLE NUMBER: F3KE9
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401688

12602-08

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
00000525		8/10/10	0753		

Tag Number 6-401689

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: NGMW-03-152
SAMPLE NUMBER: F3KE9
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401689

12602-08

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	1102		

Tag Number 6-401668

Station Location

Samplers (Signatures)

Remarks: 12602-03

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: NGMW-02-167
SAMPLE NUMBER: F3KE4
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401668

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0729		

Tag Number 6-401674

Station Location

Samplers (Signatures)

Remarks:

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: NGMW-03-137
SAMPLE NUMBER: F3KE6
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401674

12602-05

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
92500000526		8/10/10	0723		

Tag Number 6-401671

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-03-132
SAMPLE NUMBER: F3KE5
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401671

12602-04

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	1043		

Tag Number 6-401665

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

STATION LOCATION: NGMW-02-162
SAMPLE NUMBER: F3KE3
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401665

12602-02

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	0740		

Tag Number 6-401678

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

12602-06

STATION LOCATION: NGMW-03-142
SAMPLE NUMBER: F3KE7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401678

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0725		

Tag Number 6-401669

Station Location

Samplers (Signatures)

Remarks: 12602-04

Concentra. ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: NGMW-03-132
SAMPLE NUMBER: F3KE5
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401669

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0729		

Tag Number 6-401673

Station Location

Samplers (Signatures)

Remarks:

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: NGMW-03-137
SAMPLE NUMBER: F3KE6
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401673

12602-05

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0729		

Tag Number 6-401672

Station Location

Samplers (Signatures)

Remarks:

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: NGMW-03-137
SAMPLE NUMBER: F3KE6
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401672

12602-05

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	0757		

Station Location

Samplers (Signatures)

Tag Number 6- 401692

Lab Sample No.

Concentration: ☐ L ☐ M

Remarks:

STATION LOCATION: NGMW-03-157
SAMPLE NUMBER: F3KF0
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401692

12602-09

☆U.S. GOVERNMENT PRINTING

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	0753		

Station Location

Samplers (Signatures)

Tag Number 6- 401687

Lab Sample No.

Concentration: ☐ L ☐ H

Remarks:

STATION LOCATION: NGMW-03-152
SAMPLE NUMBER: F3KE9
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401687

12602-08

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	1038		

Station Location

Samplers (Signatures)

Tag Number 6- 401662

Lab Sample No.

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-02-157
SAMPLE NUMBER: F3KE2
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401662

12602-01

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
62500000		8/10/10	0740		

Samplers (Signatures)

Tag Number 6- 401681

Station Location

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-03-142
SAMPLE NUMBER: F3KE7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401681

12602-06

Lab Sample No.

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0740		

Samplers (Signatures)

Tag Number 6- 401675

Station Location

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-03-142
SAMPLE NUMBER: F3KE7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401675

12602-06

Lab Sample No.

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0740		

Samplers (Signatures)

Tag Number 6- 401676

Station Location

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-03-142
SAMPLE NUMBER: F3KE7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401676

12602-06

Lab Sample No.

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
0000000530		8/10/10	0757		

Tag Number 6- 401691

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Preservative:

STATION LOCATION: NGMW-03-157
SAMPLE NUMBER: F3KF0
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401691

12602-09

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0740		

Tag Number 6- 401680

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-03-142
SAMPLE NUMBER: F3KE7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401680

12602-06

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	~~1012~~ 1145		

Tag Number 6- 401606

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

STATION LOCATION: NGMW-01-132
SAMPLE NUMBER: F3KC6
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401606

12602-12

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code
CLP Case No.

Station No.

Month/Day/Year 8/10/10

Time 1145

Designate: Comp. Grab

Tag Number 6- 401607

Station Location

Samplers (Signatures)

Concentration: L M H

STATION LOCATION: NGMW-01-132
SAMPLE NUMBER: F3KC6
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA 12602-12
CONCENTRATION: L
TAG NO: 6-401607

Lab Sample No.

Remarks:

U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code
CLP Case No.

Station No.

Month/Day/Year 8/10/10

Time 1145

Designate: Comp. Grab

Tag Number 6- 401608

Station Location

Samplers (Signatures)

Concentration: M H

STATION LOCATION: NGMW-01-132
SAMPLE NUMBER: F3KC6
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401608

12602-12

Lab Sample No.

Remarks:

U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code
CLP Case No.

Station No.

Month/Day/Year 8/10/10

Time 1140

Designate: Comp. Grab

Tag Number 6- 401605

Station Location

Samplers (Signatures)

Concentration: L M H

STATION LOCATION: NGMW-01-127
SAMPLE NUMBER: F3KC5
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401605

12602-11

Lab Sample No.

U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0920		

Station Location

Samplers (Signatures)

Tag Number 6- 485955

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks:

STATION LOCATION: SF-06-128
SAMPLE NUMBER: F3KF4
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-485955

12602-18

GPO: U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	~~1018~~ 1200		

Station Location

Samplers (Signatures)

Tag Number 6- 401613

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: NGMW-01-137 D
SAMPLE NUMBER: F3KC8
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401613

12602-14

U.S. GOVERNMENT PRINTING OFFICE: 2008-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	0923		

Station Location

Samplers (Signatures)

Tag Number 6- 485957

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks:

STATION LOCATION: SF-06-128 D
SAMPLE NUMBER: F3KF5
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-485957

12602-19

GPO: U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	0920		

Station Location

Samplers (Signatures)

Tag Number 6- 485954

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: SF-06-128
SAMPLE NUMBER: F3KF4
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-485954

12602-18

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		8/10/10	0916		

Station Location

Samplers (Signatures)

Tag Number 6- 485952

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: SF-06-125
SAMPLE NUMBER: F3KF3
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-485952

12602-17

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		08/10/10	0916		

Station Location

Samplers (Signatures)

Tag Number 6- 485950

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks: 12602-17

STATION LOCATION: SF-06-125
SAMPLE NUMBER: F3KF3
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-485950

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.

Station No.

Month/Day/Year: 8/10/10

Time: 0916

Designate: Comp. / Grab

Samplers (Signatures)

Station Location

Tag Number: 6- 485951

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Preservative:

STATION LOCATION: SF-06-125
SAMPLE NUMBER: F3KF3
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-485951

12602-17

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.

Station No.

Month/Day/Year: 8/10/10

Time: 1135

Designate: Comp. / Grab

Samplers (Signatures)

Station Location

Tag Number: 6- 401602

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Preservative:

STATION LOCATION: NGMW-01-122
SAMPLE NUMBER: F3KC4
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401602

12602-10

U.S. GOVERNMENT PRINTING OFFICE: 2009-561-005

Project Code CLP Case No.

Station No.

Month/Day/Year: 8/10/10

Time: 0923

Designate: Comp. / Grab

Samplers (Signatures)

Station Location

Tag Number: 6- 485956

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: SF-06-128 D
SAMPLE NUMBER: F3KF5
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-485956

12602-19

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.

Station No.

Month/Day/Year 8/10/10

Time 1135 ~~1050~~

Designate: Comp. Grab

Tag Number 6- 401600

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Preservative:

STATION LOCATION: NGMW-01-122
SAMPLE NUMBER: F3KC4
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401600

12602-10

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.

Station No.

Month/Day/Year 8/10/10

Time 0920

Designate: Comp. Grab

Tag Number 6- 485953

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: SF-06-128
SAMPLE NUMBER: F3KF4
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-485953

12602-18

GPO: U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.

Station No.

Month/Day/Year 8/10/10

Time 1400 ~~1008~~

Designate: Comp. Grab

Tag Number 6- 401603

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: NGMW-01-127
SAMPLE NUMBER: F3KC5
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401603

12602-11

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		8/10/10	1155 ~~1018~~	Comp.	Grab

Tag Number 6- 401610

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-01-137
SAMPLE NUMBER: F3KC7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401610

12602-13

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		8/10/10	1200 ~~1018~~	Comp.	Grab

Tag Number 6- 401612

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-01-137 D
SAMPLE NUMBER: F3KC8
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401612

12602-14

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		8/10/10	1200 ~~1018~~	Comp.	Grab

Tag Number 6- 401614

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Remarks:

STATION LOCATION: NGMW-01-137 D
SAMPLE NUMBER: F3KC8
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401614

12602-14

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		8/10/10	1210 ~~1030~~	Comp.	Grab
Station Location		Samplers (Signatures)			

Tag Number 6- 401623

Concentration: ☐ L ☐ M ☐ H

Remarks:

Lab Sample No.

STATION LOCATION: NGMW-01-147
SAMPLE NUMBER: F3KD0
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401623

12602-16

U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		8/10/10	1155 ~~1010~~	Comp.	Grab
Station Location		Samplers (Signatures)			

Tag Number 6- 401611

Concentration: ☐ L ☐ M ☐ H

Remarks:

Lab Sample No.

STATION LOCATION: NGMW-01-137
SAMPLE NUMBER: F3KC7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401611

12602-13

U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		8/10/10	0923	Comp.	Grab
Station Location		Samplers (Signatures)			

Tag Number 6- 485958

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: SF-06-128 D
SAMPLE NUMBER: F3KF5
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-485958

12602-19

U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp	Grab
8E5000000		8/10/10	1135 ~~1005~~		

Tag Number 6-401601

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

STATION LOCATION: NGMW-01-122
SAMPLE NUMBER: F3KC4
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401601

12602-10

Preservative:

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp	Grab
		8/10/10	1205 ~~1023~~		

Tag Number 6-401617

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

STATION LOCATION: NGMW-01-142
SAMPLE NUMBER: F3KC9
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401617

12602-15

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		8/10/10	1140 ~~1008~~		

Tag Number 6-401604

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

STATION LOCATION: NGMW-01-127
SAMPLE NUMBER: F3KC5
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401604

12602-11

Lab Sample No.

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
6259000000		8/10/10	1155 ~~1016~~	Comp.	Grab

Tag Number: 6- 401609

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks:

STATION LOCATION: NGMW-01-137
SAMPLE NUMBER: F3KC7
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401609

12602-13

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		8/10/10	1205 ~~1022~~	Comp.	Grab

Tag Number: 6- 401615

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks:

STATION LOCATION: NGMW-01-142
SAMPLE NUMBER: F3KC9
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401615

12602-15

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		8/10/10	1205 ~~1022~~	Comp.	Grab

Tag Number: 6- 401616

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

STATION LOCATION: NGMW-01-142
SAMPLE NUMBER: F3KC9
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401616

12602-15

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
12602-16		8/10/10	1210 ~~1030~~	Comp	Grab

Station

Samplers (Signatures)

Tag Number 6- 401622

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks:

STATION LOCATION: NGMW-01-147
SAMPLE NUMBER: F3KD0
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA
CONCENTRATION: L
TAG NO: 6-401622

12602-16

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		8/10/10	1210 ~~1030~~	Comp	Grab

Station Location

Samplers (Signatures)

Tag Number 6- 401624

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Remarks:

STATION LOCATION: NGMW-01-147
SAMPLE NUMBER: F3KD0
SAMPLE TYPE: Grab
PRESERVATIVE: HCL
ANALYSIS: TRACE VOA 12602-16
CONCENTRATION: L
TAG NO: 6-401624

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

Sample Log-in Report

Printed: 8/16/2010 11:05:52AM

WORK ORDER = 0012598

Client : NAZY ABOUSAEEDI
COMPUTER SCIENCES CORPORATION
15000 CONFERENCE CENTER DRIVE
CHANTILLY VA 201513819

Project : SOM01.2
Project Number : CLP SAMPLES
Courier/Airbill # : Fed Ex / 417558952773
COC/TR # : 11634

Lab Sample	Client Sample	Matrix	#Cont.	Case	SDG	Sampled	Received	Analysis	TAT	Comments
0012598-01	FEL05	Water	1	40415	F3L05	08/09/10 00:00	08/10/10 10:30	SOM01.2 VOA TRACE	7	

Work Order Comments and Special Instructions:

TVOA

Kristen
Reviewed By

8/16/10
Date

A4 Scientific
1544 Sawdust Road, Suite 505
The Woodlands, TX 77380
(281) 292-5277
www.a4scientific.com

Printed: 8/16/2010 11:06:49AM

Sample Log-in Report

WORK ORDER = 0012602

Client : NAZY ABOUSAEEDI
COMPUTER SCIENCES CORPORATION
15000 CONFERENCE CENTER DRIVE
CHANTILLY VA 201513819

Project : SOM01.2
Project Number : CLP SAMPLES
Courier/Airbill # : Fed Ex /
COC/TR # : 6-001352085-081010-0005

Lab Sample	Client Sample	Matrix	#Cont.	Case	SDG	Sampled	Received	Analysis	TAT	Comments
0012602-01	F3KE2	Water	3	40415	F3L05	08/10/10 10:38	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-02	F3KE3	Water	3	40415	F3L05	08/10/10 10:43	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-03	F3KE4	Water	3	40415	F3L05	08/10/10 11:02	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-04	F3KE5	Water	3	40415	F3L05	08/10/10 07:23	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-05	F3KE6	Water	3	40415	F3L05	08/10/10 07:29	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-06	F3KE7	Water	9	40415	F3L05	08/10/10 07:40	08/11/10 13:00	SOM01.2 VOA TRACE	7	MS/MSD
0012602-07	F3KE8	Water	3	40415	F3L05	08/10/10 07:49	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-08	F3KE9	Water	3	40415	F3L05	08/10/10 07:53	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-09	F3KF0	Water	3	40415	F3L05	08/10/10 07:57	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-10	F3KC4	Water	3	40415	F3L05	08/10/10 11:35	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-11	F3KC5	Water	3	40415	F3L05	08/10/10 11:40	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-12	F3KC6	Water	3	40415	F3L05	08/10/10 11:45	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-13	F3KC7	Water	3	40415	F3L05	08/10/10 11:55	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-14	F3KC8	Water	3	40415	F3L05	08/10/10 12:00	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-15	F3KC9	Water	3	40415	F3L05	08/10/10 12:05	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-16	F3KD0	Water	3	40415	F3L05	08/10/10 12:10	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-17	F3KF3	Water	3	40415	F3L05	08/10/10 09:16	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-18	F3KF4	Water	3	40415	F3L05	08/10/10 09:20	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-19	F3KF5	Water	3	40415	F3L05	08/10/10 09:23	08/11/10 13:00	SOM01.2 VOA TRACE	7	
0012602-20	VHBLK7T	Water	2	40415	F3L05	08/11/10 09:23	08/11/10 13:00	SOM01.2 VOA TRACE	7	STORAGE BLANK

Work Order Comments and Special Instructions:

TVOA

Kristen 8/16/10

Reviewed By Date

12598-A

SAMPLE LOG-IN SHEET
FORM DC-1

Lab Name A4 SCIENTIFIC, INC.		Page 1 of 1
Received By (Print Name) RAMKISHOR		Log-in Date 8/10/10
Received By (Signature) Kishor		
Case Number	Sample Delivery Group No. F3L05	Mod. Ref. No. NA

Remarks:

		EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal(s)	Present/Absent* Intact/Broken	F3L04	NA	0012597-01 8/10/10	1-ampule INTACT
2. Custody Seal Nos.	NA ↓	↓ 05	↓	0012598-~~02~~ 01	↓ ↓
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present/Absent*				
4. Airbill	Airbill/Sticker Present/Absent*				
5. Airbill No.	4175 5895 2773				
6. Sample Tags	Present/Absent*				
Sample Tag Numbers	Listed/Not Listed on Chain-of-Custody				
7. Sample Condition	Intact/Broken*/ Leaking			8/10/10	
8. Cooler Temperature Indicator Bottle	Present/Absent				
9. Cooler Temperature	25°C				
10. Does information on TR/COCs and sample tags agree?	Yes/No*				
11. Date Received at Laboratory	8/10/10				
12. Time Received	10:00				

Sample Transfer

Fraction	SVOA	Fraction	
Area #	Cooler B	Area #	
By	Kishor	By	8/10/10
On	8/10/10	On	

* Contact SMO and attach record of resolution.

Reviewed By 08/17/10	Logbook No. NA
Date	Logbook Page No. NA

000000543

SAMPLE LOG-IN SHEET
FORM DC-1

12602-A

Lab Name A4 SCIENTIFIC, INC.	Page 1 of 1
Received By (Print Name) RAMKISHOR	Log-in Date 8/11/10
Received By (Signature) Kishor	
Case Number 40415	Sample Delivery Group No. F3L05 / Mod. Ref. No. NA

Remarks:

		EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal(s)	Present/Absent* Intact/Broken	F3KE2	640166 to 662	0012602-01	2-40ml Intact
2. Custody Seal Nos.	NA	E3	663 to 665	-02	3-40ml
	↓	E4	666 to 668	-03	↓
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present/Absent*	E5	669 to 671	-04	↓
		E6	672 to 674	-05	↓
4. Airbill	Airbill/Sticker Present/Absent*	E7	675 to 683	-06	9-40ml
5. Airbill No.	NA	E8	684 to 686	-07	3-40ml
	↓	E9	687 to 689	-08	↓
6. Sample Tags	Present/Absent*	F0	690 to 692	-09	↓
Sample Tag Numbers	Listed/Not Listed on Chain-of-Custody				
7. Sample Condition	Intact/Broken*/ Leaking				
8. Cooler Temperature Indicator Bottle	Present/Absent				
9. Cooler Temperature	4°C				
10. Does information on TR/COCs and sample tags agree?	Yes/No*				
				RK 8/11/10	
11. Date Received at Laboratory	8/11/10				
12. Time Received	13:00				
Sample Transfer					
Fraction VOA	Fraction				
Area # Cooler B	Area #				
By Kishor	By RK 8/11/10				
On 8/11/10	On				

* Contact SMO and attach record of resolution.

Reviewed By [signature]	Logbook No. NA
Date 08/17/10	Logbook Page No. NA

000000544

SAMPLE LOG-IN SHEET
FORM DC-1

12602-B

Lab Name A4 SCIENTIFIC, INC.	Page 1 of 1
Received By (Print Name) RAMKISHOR	Log-in Date 8/11/10
Received By (Signature) Kishor	
Case Number 40415	Sample Delivery Group No. F3L05 — Mod. Ref. No. NA

Remarks:

		EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal(s)	Present/Absent* Intact/Broken	F3KC4	6-401600to602	0012602-10	3-40ml Intact
2. Custody Seal Nos.	NA	C5	603to605	-11	
	↓	C6	606to608	-12	
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present/Absent*	C7	609to611	-13	
		C8	612to614	-14	
4. Airbill	Airbill/Sticker Present/Absent*	C9	615to617	-15	
5. Airbill No.	NA ↓	D0	622to624	-16	
6. Sample Tags	Present/Absent*	F3	6-485950to952	-17	
Sample Tag Numbers	Listed/Not Listed on Chain-of-Custody	F4	953to955	-18	
7. Sample Condition	Intact/Broken*/ Leaking	F5	956to958	-19	
8. Cooler Temperature Indicator Bottle	Present/Absent				
9. Cooler Temperature	4°C				
10. Does information on TR/COCs and sample tags agree?	Yes/No*				
11. Date Received at Laboratory	8/11/10			Ms 8/11/10	
12. Time Received	13:00				

Sample Transfer

Fraction	TVOA	Fraction	
Area #	Cooler B	Area #	
By	Kishor	By	Ms 8/11/10
On	8/11/10	On	

* Contact SMO and attach record of resolution.

Reviewed By SMO	Logbook No. NA
Date 08/17/10	Logbook Page No. NA

000000545

SOM01.2(5/2005)

SHAW ENVIRONMENTAL INC.
QATS LABORATORY
CHAIN-OF-CUSTODY

NAME [illegible] DATE 8/9/10

SHAW ENVIRONMENTAL INC.
QATS LABORATORY
CHAIN-OF-CUSTODY

NAME [illegible] DATE 8/9/10

V-8650

00000546

12602-A

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SAMPLE SEAL

SAMPLE NO. Cooler Seal DATE 8/11/10

SIGNATURE

PRINT NAME AND TITLE (Inspector, Analyst or Technician) Justin Sucheck Scientist

SEAL BROKEN BY

DATE

EPA FORM 7500-2(R7-75)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SAMPLE SEAL

SAMPLE NO. Cooler Seal DATE 8/11/10

SIGNATURE

PRINT NAME AND TITLE (Inspector, Analyst or Technician) Justin Sucheck Scientist

SEAL BROKEN BY

DATE

EPA FORM 7500-2(R7-75)

00000547

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SAMPLE SEAL

SAMPLE NO. Cooler seal

SIGNATURE

DATE 8/11/10

PRINT NAME AND TITLE (Inspector, Analyst or Technician)
Justin Suchech Scientist

SEAL BROKEN BY

DATE

EPA FORM 7500-2(R7-75)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SAMPLE SEAL

SAMPLE NO. Cooler seal

SIGNATURE

DATE 8/11/10

PRINT NAME AND TITLE (Inspector, Analyst or Technician)
Justin Suchech Scientist

SEAL BROKEN BY

DATE

EPA FORM 7500-2(R7-75)

2601/602-B

00000548

laxmi@a4scientific.com

From: "Blackmon, Jacqueline" <jblackmon3@fedcsc.com>
To: "Devi Chinnam" <devi@a4scientific.com>; "Laxmi Teerupalli" <laxmi@a4scientific.com>; "Parveen Hasan" <parveen@a4scientific.com>; "Ramkishor Koyyada" <ramkishor@a4scientific.com>; "Reddy Pakanati" <pakanati@a4scientific.com>
Cc: "Marvelyn Humphrey" <humphrey.marvelyn@epa.gov>; "Mahmoud Elfeky" <Elfeky.Mahmoud@epamail.epa.gov>; "Myra Perez" <perez.myra@epa.gov>; "Ray Flores" <flores.raymond@epa.gov>
Sent: Tuesday, August 10, 2010 1:00 PM
Attach: TR.pdf
Subject: Region 06 | Case 40415 | Lab A4 | Issue Discrepancies with tags, jars, and/or TR/COC | FINAL

Ramkishor,

Summary Start
Issue: The laboratory received the attached TR/COC with no Case number. According to the sample ID number, SMO believes this to be the PE samples for Case 40415. Can you please confirm that this is correct?
Resolution: Per Region 6, these PE samples belong with Case 40415. The lab will wait until receipt of the actual samples from the field to place one PE per SDG and analyze concurrently with samples.
Summary End

Please let me know if you have any questions or problems. To waive any defect(s) associated with this issue, please contact your PO.
Thanks,
Jackie Blackmon
Environmental Coordinator- Regions 6 and 9
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | office phone 703-818-4184 | fax 703-818-4601 | jblackmon3@fedcsc.com | www.csc.com

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From: Perez.Myra@epamail.epa.gov [mailto:Perez.Myra@epamail.epa.gov]
Sent: Tuesday, August 10, 2010 2:36 PM
To: Blackmon, Jacqueline
Cc: Elfeky.Mahmoud@epamail.epa.gov
Subject: Re: Region 06 | Case 40415 | Lab A4 | Issue Discrepancies with tags, jars, and/or TR/COC I R6 response

Hello. Yes, these PE samples belong with case 40415. The lab will wait until receipt of actual samples from the field to place one PE per SDG and analyze concurrently with samples. I do not know why QATs does not use F2Lite.

Myra Perez
R6 CLP RSCC
USEPA - ESB
10625 Fallstone Road
Houston, Tx. 77099
ph.: 281/983-2130
fax: 281/983-2124

Region 06 | Case 40415 | Lab A4 | Issue Discrepancies with tags, jars, and/or TR/COC

Blackmon, Jacqueline to: Myra Perez 08/10/2010 12:06 PM

Cc: Mahmoud Elfeky

Myra,
A4 is reporting the following issue for what I believe to be Case 40415. Please advise.

Issue 1: The laboratory received the attached TR/COC with no Case number. According to the sample ID number, SMO believes this to be the PE samples for Case 40415. Can you please confirm that this is correct?

Issue 2: Can you please advise why FORMS II Lite was not used for this TR/COC?

Please let me know if you have any questions or problems.
Thanks,
Jackie Blackmon
Environmental Coordinator- Regions 6 and 9
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | office phone 703-818-4184 | fax 703-818-4601 | jblackmon3@fedcsc.com | www.csc.com

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From: ramkishor@a4scientific.com [mailto:ramkishor@a4scientific.com]
Sent: Tuesday, August 10, 2010 12:55 PM
To: Blackmon, Jacqueline
Cc: laxmi@a4scientific.com; pakanati@a4scientific.com; parveen@a4scientific.com; shreedhar; Devi
Subject: No Case ID

Jackie,

Lab received 2 samples mentioned on the TR/COCs but there is no Case No mentioned. Could you please let me know the Case No for these samples.

Thanks,

Ramkishor Koyyada
A4 SCIENTIFIC INC.
ramkishor@a4scientific.com
281-292-5277

laxmi@a4scientific.com

From: "Blackmon, Jacqueline" <jblackmon3@fedcsc.com>
To: "Devi Chinnam" <devi@a4scientific.com>; "Laxmi Teerupalli" <laxmi@a4scientific.com>; "Parveen Hasan" <parveen@a4scientific.com>; "Ramkishor Koyyada" <ramkishor@a4scientific.com>; "Reddy Pakanati" <pakanati@a4scientific.com>
Sent: Wednesday, August 11, 2010 7:33 AM
Attach: Case 40415 Shipping (8-10-10).pdf
Subject: Region 06 | Case 40415 | Lab A4 | Shipping information

Laxmi,

Please note the attached shipping information for Case 40415 that shipped on 8/10. Case is complete with this shipment.

**Please also note that there is no airbill number associated with these samples because the samplers with EA Engineering will hand deliver the samples today (8/11).

Please let me know if the laboratory has any questions pertaining to this particular Case or shipment. Your questions may help avoid future issues relating to the Case. This email is a summary of the analyses/samples shipped and does not replace the reporting of any TR/COC or Scheduling discrepancies.

Thanks,
Jackie Blackmon
Environmental Coordinator- Regions 6 and 9
CSC

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laxmi@a4scientific.com

From: "Blackmon, Jacqueline" <jblackmon3@fedcsc.com>
To: "Devi Chinnam" <devi@a4scientific.com>; "Laxmi Teerupalli" <laxmi@a4scientific.com>; "Parveen Hasan" <parveen@a4scientific.com>; "Ramkishor Koyyada" <ramkishor@a4scientific.com>; "Reddy Pakanati" <pakanati@a4scientific.com>
Sent: Monday, August 09, 2010 10:59 AM
Subject: Case 40415 | PE samples

Laxmi,

Please note the information below for the PRs for Case 40415 below.

Please let me know if you have any questions or problems.
Thanks,
Jackie Blackmon
Environmental Coordinator- Regions 6 and 9
CSC

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From: Perez.Myra@epamail.epa.gov [mailto:Perez.Myra@epamail.epa.gov]
Sent: Monday, August 09, 2010 12:47 PM
To: Blackmon, Jacqueline
Subject: Case 40415 / instructions concerning the PEs

Hello Jackie. Please notify A4 that they will receive two PEs tomorrow for above mentioned case number. The lab should place one PE per SDG and analyze concurrently with samples in that SDG. Thank you.

Myra Perez
R6 CLP RSCC
USEPA - ESB
10625 Fallstone Road
Houston, Tx. 77099
ph.: 281/983-2130
fax: 281/983-2124

0012597 598-01

QATS Catalog Numbers: 91-001
95-008
01-001
05-003

QATS INSTRUCTIONS FOR TRACE CONCENTRATION VOLATILES PERFORMANCE EVALUATION SAMPLES

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with SOW SOM01.1 and revisions, or other applicable methods.

CAUTION: Read instructions carefully before proceeding with the analysis.

Contains Methanol
FLAMMABLE LIQUID
POISON

Contains Trace Organics
Material Safety Data Sheets
Available upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is one or more Trace Volatile Performance Evaluation Samples (PES). This set consists of one or more flame-sealed ampules containing methanol solutions. None of the ampules are to be opened until sample preparation/analysis is to occur.

CAUTION: The ampules could contain compounds that are light sensitive and should be protected from light during storage.

Store the samples at 4° C ± 2° C until analysis is to occur.

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Refer to enclosed chain-of-custody record. Report any problems to Mr. Keith Strout, Shaw Environmental, Inc. at (702) 895-8722. Return chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
Shaw Environmental, Inc.
2700 Chandler Ave - Bldg C
Las Vegas, NV 89120

(C) *ANALYSIS REQUIREMENTS*

Samples generated from these ampules are to be analyzed as described in the SOW, other appropriate method, or your contract. These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the SOW, other appropriate method, or your contract, disregard these instructions.

(D) *GENERATION OF SAMPLES FROM AMPULES FOR ANALYSIS*

General Instructions

The instructions provided below are intended as an aid in preparing samples for analysis. Allow ampule(s) to reach ambient temperature before opening to remove volumetric amounts for spiking. Exercise care in breaking ampule(s) open to avoid injury. Use syringes to transfer volumetric aliquots of spiking solution to laboratory reagent water. Table 1 lists a summary of the required sample preparations.

TABLE 1. SAMPLE PREPARATION

Fraction	Ampule	Volume of Spike (Use Syringe)	Volume of Sample (Laboratory Reagent Water)
Trace Volatile	Volatile	10 µL	25.0 mL

Instructions for Volatiles Analysis

To begin the analysis, fill a gas tight syringe with laboratory reagent water and adjust to 25.0 mL. Carefully open the ampule by snapping the top off at the narrow part of the neck. Spike 10 µL of the Volatile ampule contents into the prepared syringe. The sample is now ready for analysis.

Proceed with the analysis as described in the SOW, other appropriate method, or your contract.

(E) *REPORTING*

Report the results for the diluted samples prepared as described above, not for the concentrated performance evaluation samples as received in the ampule(s).

Report format and other instructions for submission of data packages containing these analysis results are included in the SOW, other appropriate method, or your contract.