

**ECOLOGY AND ENVIRONMENT, INC.
FORMER GRIFFISS AIR FORCE BASE,
AOC 9
SI2201**

**KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074**

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SAMPLE DATA PACKAGE

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SAMPLE DATA PACKAGE

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
ECOLOGY AND ENVIRONMENT, INC
FORMER GRIFFISS AIR FORCE BASE, AOC 9
SI2201

Sample Receipt

The following samples were received on April 09, 2015 and were logged in under Katahdin Analytical Services work order number SI2201 for a hardcopy due date of April 27, 2015.

KATAHDIN <u>Sample No.</u>	ECOLOGY AND ENVIRONMENT <u>Sample Identification</u>
SI2201-1	AOC9-TB1040615
SI2201-2	AOC9-SW02LTM040615
SI2201-3	AOC9-SW01LTM040615
SI2201-4	AOC9-SW03LTM040615
SI2201-5	AOC9-MW05LTM040615
SI2201-6	AOC9-MW06LTM040715
SI2201-7	G009-MW02LTM040715
SI2201-8	G009-MW01LTM040715
SI2201-9	AOC9-MW17LTM040715
SI2201-10	AOC9-MW17/DLTM040715
SI2201-11	AOC9-MW15LTM040715
SI2201-12	AOC9-MW15/DLTM040715
SI2201-13	AOC9-MW14LTM040815
SI2201-14	AOC9-MW18LTM040815
SI2201-15	AOC9-MW19LTM040815

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

Some of the client IDs on the Chain of Custody exceeds the 19-character limit of the Katahdin Analytical Information Management System. Therefore, the middle character “/” in the client IDs for SI2201-10 and 12 were omitted on all forms.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Ms. Jennifer Obrin**. This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of Work Order SI2201 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA and/or for the specific methods listed below or on the Report of Analysis.

8260B Analysis

Samples SI2201-2RA, 4RA, 5, 6, 9, 10, 11, 12, 13 and 15 were manually integrated for one or more of the following target analytes: benzene, acetone, cis-1,2-dichloroethene, 1,2-dichloroethane, vinyl chloride and/or 1,3-dichlorobenzene. The specific reasons for the manual integrations are indicated on the raw data by the manual integration codes (M1-M11). These codes are further explained in the attachment following this narrative.

The initial calibration analyzed on the C instrument on 04/08/15 had %RSD values for some target analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The analyte 1,4-dioxane failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990, respectively. This analyte was calibrated using the average model. The corresponding independent check standard (file C2182A) had high concentrations for the target analytes acetone and 4-methyl-2-pentanone, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. The Independent Check Report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The calibration verification standard (CV) (file C2274) had a high response for the target analyte chloroethane and a low response for the target analyte 1,4-dioxane. The CVs (files C2298, C2332 and C2387) had low responses for the analytes bromomethane and 1,4-dioxane. These responses resulted in %D's that exceeded the DoD QSM acceptance limits of 20%.

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are based on DoD QSM acceptance limits for the full list of spiked compounds and laboratory established acceptance limits for all other analytes. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

There were no other protocol deviations or observations noted by the organics laboratory staff.



Cert. No. E87604

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

A handwritten signature in cursive script that reads "Jennifer O'Brien per".

Leslie Dimond 04.23.15
Quality Assurance Officer

0000004

Katahdin Analytical Services, Inc.

Manual Integration Codes For GC/MS, GC, HPLC and/or IC

M1	Peak splitting.
M2	Well defined peaks on the shoulders of the other peaks.
M3	There is additional area due to a coeluting interferant.
M4	There are negative spikes in the baseline.
M5	There are rising or falling baselines.
M6	The software has failed to detect a peak or misidentified a peak.
M7	Excessive peak tailing.
M8	Analysis such as GRO, DRO and TPH require a baseline hold.
M9	Peak was not completely integrated as in GC/MS.
M10	Primary ion was correctly integrated, but secondary or tertiary ion needed manual integration as in GC/MS.
M11	For GC analysis, when a sample is diluted by 1:10 or more, the surrogate is set to undetected and then the area under the surrogate is manually integrated.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin Analytical Services, Inc.

Sample Receipt Condition Report

Client: <u>E & E</u>	KAS PM: <u>JO</u>	Sampled By: <u>Client</u>
Project:	KIMS Entry By: <u>GN</u>	Delivered By: <u>Fed Ex</u>
KAS Work Order#: <u>SI 2201</u>	KIMS Review By: <u>JO</u>	Received By: <u>GN</u>
SDG #:	Cooler: <u>1</u> of <u>1</u>	Date/Time Rec.: <u>4-9-15/0900</u>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?					
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): <u>1.3</u>
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) or insufficient ice may not meet certain regulatory requirements and may invalidate certain data.
If yes, was there sufficient ice to meet temperature requirements?	✓				
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles:					
Aqueous: No bubble larger than a pea?	✓				
Soil/Sediment:					
Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
D.I. Water - Received within 48 hour HT?				✓	
Air: Refer to KAS COC for canister/flow controller requirements.	✓ if air included				
7. Trip Blank present in cooler?	✓				
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved?					
Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH - pH <2				✓	
Sulfide - >9				✓	
Cyanide - pH >12				✓	
* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments					



600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND
PRINT LEGIBLY IN PEN

Page 1 of 1

Client **ECOLOGY & ENVIRONMENT, INC.** Contact **BOB MEYERS** Phone # **(716) 684-8060** Fax # **(716) 684-0844**

Address **308 PLEASANT VIEW DR** City **LANCASTER** State **NY** Zip Code **14086**

Purchase Order # _____ Proj. Name / No. **FORMER CAFB / 10C3186. AOC9 0001.07** Katahdin Quote # _____

Bill (if different than above) _____ Address _____

Sampler (Print / Sign) **M. Fronckowiak / L. Reed** Copies To: **BOB MEYERS**

LAB USE ONLY WORK ORDER #: _____ KATAHDIN PROJECT NUMBER **SI2201**

REMARKS: _____

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO: _____

TEMP °C _____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES											
					Filt. Y N	Filt. Y N	Filt. Y N	Filt. Y N	Filt. Y N	Filt. Y N	Filt. Y N	Filt. Y N	Filt. Y N	Filt. Y N	Filt. Y N	Filt. Y N
	AOC9-TB1040615	4/6/15/1315	GW	3	X											
	AOC9-SWD2LTMO40615	4/6/15/1535	SW	3	X											
	AOC9-SWD1LTMO40615	4/6/15/1548	SW	3	X											
	AOC9-SWD3LTMO40615	4/6/15/1605	SW	3	X											
	AOC9-MWD5LTMO40615	4/6/15/1740	GW	3	X											
	AOC9-MWD6LTMO40715	4/7/15/1030	GW	3	X											
	G009-MWD9LTMO40715	4/7/15/1140	GW	3	X											
	G009-MWD1LTMO40715	4/7/15/1250	GW	3	X											
	AOC9-MW17LTMO40715	4/7/15/1600	GW	3	X											
	AOC9-MW17bLTMO40715	4/7/15/1600	GW	3	X											
	AOC9-MW15LTMO40715	4/7/15/1730	GW	3	X											
	AOC9-MW15bLTMO40715	4/7/15/1730	GW	3	X											
	AOC9-MW14LTMO40815	4/8/15/0920	GW	3	X											
	AOC9-MW18LTMO40815	4/8/15/1035	GW	9	X											
	AOC9-MW19LTMO40815	4/8/15/1150	GW	3	X											

COMMENTS **Analyze SW samples first, collected on 4/6/13.**
Airbill #: 8718 1641 3978

Relinquished By: (Signature) [Signature]	Date / Time 4/8/15 1240	Received By: (Signature) [Signature]	Date / Time 4-9-15 0900	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Date / Time	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

0000007



Katahdin Analytical Services
Login Chain of Custody Report (Ino1)
Apr. 09, 2015
03:30 PM

Page: 1 of 2

Login Number: SI2201

Quote/Incoming: ENGRF

Account: ENE001

NoWeb

Ecology and Environment, Inc.

Project: ENEGFS

Former Griffiss Air Force Base, AOC 9

Primary Report Address:

Robert Meyers
Ecology and Environment, Inc.
368 Pleasant View Dr.

Lancaster, NY 14086

RMeyers@ene.com

Primary Invoice Address:

Accounts Payable
Ecology and Environment, Inc.
368 Pleasant View Dr.

Lancaster, NY 14086

Report CC Addresses:

Invoice CC Addresses:

Login Information:

ANALYSIS INSTRUCTIONS : DoD QSM w/lab limits.
CHECK NO. :
CLIENT PO# : 002888.PI02.09
CLIENT PROJECT MANAGE :
CONTRACT : Project #EE-10C3186-0001-07TTO
COOLER TEMPERATURE : 1.3
DELIVERY SERVICES : FedEx
EDD FORMAT : KAS103QC-TXT
LOGIN INITIALS : GN
PM : JO
PROJECT NAME : Former Griffiss Air Force Base, AOC 9
QC LEVEL : IV
REGULATORY LIST : NYSDEC Category B
REPORT INSTRUCTIONS : Send HC & CD. Upload data electronically to E&E's corporate data submission website.
SDG ID :
SDG STATUS :

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI2201-1	AOC9-TB1040615	06-APR-15 13:15	09-APR-15			27-APR-15	
Matrix Aqueous	Product S SW8260OLM-S	Hold Date (shortest) 20-APR-15	Bottle Type 40mL Vial+HCl		Bottle Count	Comments	
SI2201-2	AOC9-SW02LTM040615	06-APR-15 15:35	09-APR-15			27-APR-15	
Matrix Aqueous	Product S SW8260OLM-S	Hold Date (shortest) 20-APR-15	Bottle Type 40mL Vial+HCl		Bottle Count	Comments	
SI2201-3	AOC9-SW01LTM040615	06-APR-15 15:48	09-APR-15			27-APR-15	
Matrix Aqueous	Product S SW8260OLM-S	Hold Date (shortest) 20-APR-15	Bottle Type 40mL Vial+HCl		Bottle Count	Comments	
SI2201-4	AOC9-SW03LTM040615	06-APR-15 16:05	09-APR-15			27-APR-15	
Matrix Aqueous	Product S SW8260OLM-S	Hold Date (shortest) 20-APR-15	Bottle Type 40mL Vial+HCl		Bottle Count	Comments	
SI2201-5	AOC9-MW05LTM040615	06-APR-15 17:40	09-APR-15			27-APR-15	
Matrix Aqueous	Product S SW8260OLM-S	Hold Date (shortest) 20-APR-15	Bottle Type 40mL Vial+HCl		Bottle Count	Comments	
SI2201-6	AOC9-MW06LTM040715	07-APR-15 10:30	09-APR-15			27-APR-15	
Matrix Aqueous	Product S SW8260OLM-S	Hold Date (shortest) 21-APR-15	Bottle Type 40mL Vial+HCl		Bottle Count	Comments	
SI2201-7	G009-MW02LTM040715	07-APR-15 11:40	09-APR-15			27-APR-15	
Matrix Aqueous	Product S SW8260OLM-S	Hold Date (shortest) 21-APR-15	Bottle Type 40mL Vial+HCl		Bottle Count	Comments	

0000008

Login Number: SI2201

Quote/Incoming: ENGRF

Account: ENE001

NoWeb

Ecology and Environment, Inc.

Project: ENEGFS

Former Griffiss Air Force Base, AOC 9

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI2201-8	G009-MW01LTM040715	07-APR-15 12:50	09-APR-15			27-APR-15	
<i>Matrix</i> Aqueous	<i>Product</i> S SW8260OLM-S	<i>Hold Date (shortest)</i> 21-APR-15	<i>Bottle Type</i> 40mL Vial+HCl		<i>Bottle Count</i>	<i>Comments</i>	
SI2201-9	AOC9-MW17LTM040715	07-APR-15 16:00	09-APR-15			27-APR-15	
<i>Matrix</i> Aqueous	<i>Product</i> S SW8260OLM-S	<i>Hold Date (shortest)</i> 21-APR-15	<i>Bottle Type</i> 40mL Vial+HCl		<i>Bottle Count</i>	<i>Comments</i>	
SI2201-10	AOC9-MW17DLTM040715	07-APR-15 16:00	09-APR-15			27-APR-15	
<i>Matrix</i> Aqueous	<i>Product</i> S SW8260OLM-S	<i>Hold Date (shortest)</i> 21-APR-15	<i>Bottle Type</i> 40mL Vial+HCl		<i>Bottle Count</i>	<i>Comments</i> AOC9-MW17/DLTM040715	
SI2201-11	AOC9-MW15LTM040715	07-APR-15 17:30	09-APR-15			27-APR-15	
<i>Matrix</i> Aqueous	<i>Product</i> S SW8260OLM-S	<i>Hold Date (shortest)</i> 21-APR-15	<i>Bottle Type</i> 40mL Vial+HCl		<i>Bottle Count</i>	<i>Comments</i>	
SI2201-12	AOC9-MW15DLTM040715	07-APR-15 17:30	09-APR-15			27-APR-15	
<i>Matrix</i> Aqueous	<i>Product</i> S SW8260OLM-S	<i>Hold Date (shortest)</i> 21-APR-15	<i>Bottle Type</i> 40mL Vial+HCl		<i>Bottle Count</i>	<i>Comments</i> AOC9-MW15/DLTM040715	
SI2201-13	AOC9-MW14LTM040815	08-APR-15 09:20	09-APR-15			27-APR-15	
<i>Matrix</i> Aqueous	<i>Product</i> S SW8260OLM-S	<i>Hold Date (shortest)</i> 22-APR-15	<i>Bottle Type</i> 40mL Vial+HCl		<i>Bottle Count</i>	<i>Comments</i>	
SI2201-14	AOC9-MW18LTM040815	08-APR-15 10:35	09-APR-15			27-APR-15	
<i>Matrix</i> Aqueous	<i>Product</i> S SW8260OLM-S	<i>Hold Date (shortest)</i> 22-APR-15	<i>Bottle Type</i> 40mL Vial+HCl		<i>Bottle Count</i>	<i>Comments</i> MS/MSD	
SI2201-15	AOC9-MW19LTM040815	08-APR-15 11:50	09-APR-15			27-APR-15	
<i>Matrix</i> Aqueous	<i>Product</i> S SW8260OLM-S	<i>Hold Date (shortest)</i> 22-APR-15	<i>Bottle Type</i> 40mL Vial+HCl		<i>Bottle Count</i>	<i>Comments</i>	
SI2201-16	EXPRESS SHIPPING	03-APR-15 00:00	09-APR-15			27-APR-15	
<i>Matrix</i> Service	<i>Product</i> S SHIPPING	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>	<i>Comments</i> \$70 is the cost difference between ground and standard overnight.	

Total Samples: 16

Total Analyses: 16

04-09-15
 0000009

SAMPLE DATA SUMMARY PACKAGE

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

or

J Used for Pesticides, PCBs, Herbicides, Formaldehyde, Explosives and Method 504.1 analytes when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

C Indicates that the flagged compound did not meet DoD criteria in the corresponding daily calibration verification (CV).

L Indicates that the flagged compound did not meet DoD criteria in the corresponding Laboratory Control Sample (LCS) and/or Laboratory Control Sample Duplicate (LCSD) prepared and/or analyzed concurrently with the sample.

M Indicates that the flagged compound did not meet DoD criteria in the Matrix Spike and/or Matrix Spike Duplicate prepared and/or analyzed concurrently with the native sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-1

Client ID: AOC9-TB1040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2279.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-1

Client ID: AOC9-TB1040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2279.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		113.	%					
Toluene-d8		111.	%					
P-Bromofluorobenzene		97.6	%					
Dibromofluoromethane		103.	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-2RA

Client ID: AOC9-SW02LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2305.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	UL	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	UL	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	J	4.3	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-2RA

Client ID: AOC9-SW02LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2305.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	J	0.40	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		111.	%					
Toluene-d8		107.	%					
P-Bromofluorobenzene		95.5	%					
Dibromofluoromethane		101.	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-3RA

Client ID: AOC9-SW01LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2306.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	UL	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	UL	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-3RA

Client ID: AOC9-SW01LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2306.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		110.	%					
Toluene-d8		106.	%					
P-Bromofluorobenzene		93.6	%					
Dibromofluoromethane		99.3	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-4RA

Client ID: AOC9-SW03LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2396.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 20-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161476

Analysis Date: 20-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	J	3.4	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	J	0.36	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	UL	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-4RA

Client ID: AOC9-SW03LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2396.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 20-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161476

Analysis Date: 20-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	J	0.61	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		123.	%					
Toluene-d8		113.	%					
P-Bromofluorobenzene		104.	%					
Dibromofluoromethane		112.	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-5

Client ID: AOC9-MW05LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2291.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	J	0.51	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	J	0.84	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-5

Client ID: AOC9-MW05LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2291.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		118.	%					
Toluene-d8		109.	%					
P-Bromofluorobenzene		96.8	%					
Dibromofluoromethane		106.	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-6

Client ID: AOC9-MW06LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2292.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	J	0.47	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	J	0.75	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.76	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-6

Client ID: AOC9-MW06LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2292.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		115.	%					
Toluene-d8		108.	%					
P-Bromofluorobenzene		95.7	%					
Dibromofluoromethane		105.	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-7

Client ID: G009-MW02LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2315.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	UL	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	UL	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.29	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-7

Client ID: G009-MW02LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2315.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		112.	%					
Toluene-d8		106.	%					
P-Bromofluorobenzene		97.0	%					
Dibromofluoromethane		101.	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-8

Client ID: G009-MW01LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2316.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	UL	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	UL	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.40	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-8

Client ID: G009-MW01LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2316.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		108.	%					
Toluene-d8		106.	%					
P-Bromofluorobenzene		94.4	%					
Dibromofluoromethane		97.9	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-9

Client ID: AOC9-MW17LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2317.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	JL	1.1	ug/L	1	2	2.0	0.25	1.0
Bromomethane	UL	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.6	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	J	0.79	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.48	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		16	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		1.8	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-9

Client ID: AOC9-MW17LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2317.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		130	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	J	0.70	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		8.9	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene		44	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		108.	%					
Toluene-d8		104.	%					
P-Bromofluorobenzene		95.1	%					
Dibromofluoromethane		98.7	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-10

Client ID: AOC9-MW17DLTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2341.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	J	1.1	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.6	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	J	0.84	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.64	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		18	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		1.9	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-10

Client ID: AOC9-MW17DLTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2341.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		130	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	J	0.70	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		8.6	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene		43	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		109.	%					
Toluene-d8		107.	%					
P-Bromofluorobenzene		94.7	%					
Dibromofluoromethane		98.5	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-11

Client ID: AOC9-MW15LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2347.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	J	0.40	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene		1.3	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-11

Client ID: AOC9-MW15LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2347.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		120	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	J	0.68	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	J	0.92	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		14	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene		16	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	J	0.66	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		109.	%					
Toluene-d8		107.	%					
P-Bromofluorobenzene		97.9	%					
Dibromofluoromethane		101.	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-12

Client ID: AOC9-MW15DLTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2348.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	J	0.27	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene		1.2	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.28	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-12

Client ID: AOC9-MW15DLTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2348.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		120	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	J	0.64	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	J	0.99	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		14	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene		16	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	J	0.68	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		110.	%					
Toluene-d8		108.	%					
P-Bromofluorobenzene		98.3	%					
Dibromofluoromethane		99.6	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-13

Client ID: AOC9-MW14LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2349.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	J	0.50	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene		2.9	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-13

Client ID: AOC9-MW14LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2349.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		150	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	J	0.64	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		8.9	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene		10	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	J	0.29	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		105.	%					
Toluene-d8		108.	%					
P-Bromofluorobenzene		96.8	%					
Dibromofluoromethane		97.9	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-14

Client ID: AOC9-MW18LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2345.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	UMM	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	UM	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	UMM	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-14

Client ID: AOC9-MW18LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2345.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	JM	0.25	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	UMM	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	UM	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	UM	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		111.	%					
Toluene-d8		105.	%					
P-Bromofluorobenzene		94.6	%					
Dibromofluoromethane		99.0	%					

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-15

Client ID: AOC9-MW19LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2346.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	J	0.74	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		1.9	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	J	0.52	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.37	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-15

Client ID: AOC9-MW19LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2346.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		33	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		1.4	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	J	0.97	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		110.	%					
Toluene-d8		108.	%					
P-Bromofluorobenzene		95.7	%					
Dibromofluoromethane		96.5	%					

VOLATILES DATA

QC Summary Section

Form 2 System Monitoring Compound Recovery

Lab Name: Katahdin Analytical Services
Lab Code: KAS

Project: Former Griffiss Air Force Base, AOC 9
SDG: SI2201

Matrix: AQ

Client Sample ID	Lab Sample ID	Col. ID	BFB	# DBF	# DCA	# TOL	#
AOC9-TB1040615	SI2201-1		97.6	103.	113.	111.	
AOC9-MW17DLTM040715	SI2201-10		94.7	98.5	109.	107.	
AOC9-MW15LTM040715	SI2201-11		97.9	101.	109.	107.	
AOC9-MW15DLTM040715	SI2201-12		98.3	99.6	110.	108.	
AOC9-MW14LTM040815	SI2201-13		96.8	97.9	105.	108.	
AOC9-MW18LTM040815	SI2201-14		94.6	99.0	111.	105.	
AOC9-MW19LTM040815	SI2201-15		95.7	96.5	110.	108.	
AOC9-SW02LTM040615	SI2201-2RA		95.5	101.	111.	107.	
AOC9-SW01LTM040615	SI2201-3RA		93.6	99.3	110.	106.	
AOC9-SW03LTM040615	SI2201-4RA		104.	112.	123.	113.	
AOC9-MW05LTM040615	SI2201-5		96.8	106.	118.	109.	
AOC9-MW06LTM040715	SI2201-6		95.7	105.	115.	108.	
G009-MW02LTM040715	SI2201-7		97.0	101.	112.	106.	
G009-MW01LTM040715	SI2201-8		94.4	97.9	108.	106.	
AOC9-MW17LTM040715	SI2201-9		95.1	98.7	108.	104.	
Laboratory Control S	WG161195-1		93.0	93.9	98.1	104.	
Method Blank Sample	WG161195-2		94.1	101.	111.	105.	
Laboratory Control S	WG161248-1		94.9	94.8	97.8	106.	
Method Blank Sample	WG161248-2		97.5	100.	108.	107.	
Laboratory Control S	WG161286-1		96.2	92.0	97.1	104.	
Method Blank Sample	WG161286-2		98.8	101.	112.	110.	
Matrix Spike	WG161286-5		95.3	91.0	96.8	106.	
Matrix Spike Duplica	WG161286-6		96.0	91.8	93.6	105.	
Laboratory Control S	WG161476-1		100.	96.1	97.6	108.	
Method Blank Sample	WG161476-2		102.	111.	114.	114.	

QC Limits

DBF	DIBROMOFLUOROMETHANE	68-128
BFB	P-BROMOFLUOROBENZENE	56-133
TOL	TOLUENE-D8	65-128
DCA	1,2-DICHLOROETHANE-D4	67-135

Form 2
System Monitoring Compound Recovery

Lab Name: Katahdin Analytical Services
Lab Code: KAS

Project: Former Griffiss Air Force Base, AOC 9
SDG: SI2201

Matrix: AQ

= Column to be used to flag recovery limits.
* = Values outside of contract required QC limits.
D= System Monitoring Compound diluted out.

Form 4 Method Blank Summary - VOA

Lab Name : Katahdin Analytical Services
Project : Former Griffiss Air Force Base, AOC 9
Lab File ID : C2278.D
Instrument ID : GCMS-C
Heated Purge : No

SDG : SI2201
Lab Sample ID : WG161195-2
Date Analyzed : 14-APR-15
Time Analyzed : 11:50

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG161195-1	C2275.D	04/14/15	10:03
AOC9-TB1040615	SI2201-1	C2279.D	04/14/15	12:21
AOC9-MW05LTM040615	SI2201-5	C2291.D	04/14/15	18:46
AOC9-MW06LTM040715	SI2201-6	C2292.D	04/14/15	19:21

Form 4 Method Blank Summary - VOA

Lab Name : Katahdin Analytical Services
Project : Former Griffiss Air Force Base, AOC 9
Lab File ID : C2302.D
Instrument ID : GCMS-C
Heated Purge : No

SDG : SI2201
Lab Sample ID : WG161248-2
Date Analyzed : 15-APR-15
Time Analyzed : 11:52

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG161248-1	C2299.D	04/15/15	10:05
AOC9-SW02LTM040615	SI2201-2RA	C2305.D	04/15/15	13:27
AOC9-SW01LTM040615	SI2201-3RA	C2306.D	04/15/15	13:58
G009-MW02LTM040715	SI2201-7	C2315.D	04/15/15	18:47
G009-MW01LTM040715	SI2201-8	C2316.D	04/15/15	19:21
AOC9-MW17LTM040715	SI2201-9	C2317.D	04/15/15	19:55

Form 4

Method Blank Summary - VOA

Lab Name : Katahdin Analytical Services Project : Former Griffiss Air Force Base, AOC 9 Lab File ID : C2336.D Instrument ID : GCMS-C Heated Purge : No	SDG : SI2201 Lab Sample ID : WG161286-2 Date Analyzed : 16-APR-15 Time Analyzed : 11:12

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG161286-1	C2333.D	04/16/15	09:26
AOC9-MW17DLTM040715	SI2201-10	C2341.D	04/16/15	13:51
AOC9-MW18LTM040815	SI2201-14	C2345.D	04/16/15	15:58
AOC9-MW19LTM040815	SI2201-15	C2346.D	04/16/15	16:30
AOC9-MW15LTM040715	SI2201-11	C2347.D	04/16/15	17:02
AOC9-MW15DLTM040715	SI2201-12	C2348.D	04/16/15	17:34
AOC9-MW14LTM040815	SI2201-13	C2349.D	04/16/15	18:06
Matrix Spike	WG161286-5	C2350.D	04/16/15	18:40
Matrix Spike Duplica	WG161286-6	C2351.D	04/16/15	19:14

Form 4 Method Blank Summary - VOA

Lab Name : Katahdin Analytical Services
Project : Former Griffiss Air Force Base, AOC 9
Lab File ID : C2391.D
Instrument ID : GCMS-C
Heated Purge : No

SDG : SI2201
Lab Sample ID : WG161476-2
Date Analyzed : 20-APR-15
Time Analyzed : 12:53

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG161476-1	C2388.D	04/20/15	11:05
AOC9-SW03LTM040615	SI2201-4RA	C2396.D	04/20/15	15:34

Form 5

Volatile Organic Instrument Performance Check

Lab Name : Katahdin Analytical Services
Project : Former Griffiss Air Force Base, AOC 9
Lab File ID : CB057.D
Instrument ID : GCMS-C

SDG : SI2201
Date Analyzed : 08-APR-15
Time Analyzed : 10:19
Heated Purge : No

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0 - 40.0% of mass 95	21.9	
75	30.0 - 60.0% of mass 95	48.0	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	5.9	
173	Less than 2.0% of mass 174	0.6	0.94 ¹
174	Greater than 50.0% of mass 95	61.7	
175	5.0 - 9.0% of mass 174	4.3	6.99 ¹
176	95.0 - 101.0% of mass 174	60.0	97.33 ¹
177	5.0 - 9.0% of mass 176	4.3	7.16 ²

1-Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, LCS, MS, MSD and standards:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Initial Calibration	WG160924-4	C2176.D	04/08/15	10:49
Initial Calibration	WG160924-3	C2177.D	04/08/15	11:59
Initial Calibration	WG160924-2	C2178.D	04/08/15	12:31
Initial Calibration	WG160924-1	C2179.D	04/08/15	13:02
Initial Calibration	WG160924-6	C2180.D	04/08/15	13:34
Initial Calibration	WG160924-5	C2181.D	04/08/15	14:06
Independent Source	WG160924-7	C2182A.D	04/08/15	14:53

Form 5

Volatile Organic Instrument Performance Check

Lab Name : Katahdin Analytical Services
Project : Former Griffiss Air Force Base, AOC 9
Lab File ID : CB061.D
Instrument ID : GCMS-C

SDG : SI2201
Date Analyzed : 14-APR-15
Time Analyzed : 08:53
Heated Purge : No

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0 - 40.0% of mass 95	19.4	
75	30.0 - 60.0% of mass 95	51.6	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	7.3	
173	Less than 2.0% of mass 174	0.0	0.0 ¹
174	Greater than 50.0% of mass 95	58.6	
175	5.0 - 9.0% of mass 174	3.2	5.45 ¹
176	95.0 - 101.0% of mass 174	55.7	95.17 ¹
177	5.0 - 9.0% of mass 176	4.4	7.92 ²

1-Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, LCS, MS, MSD and standards:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Continuing Calibrati	WG161195-4	C2274.D	04/14/15	09:20
Laboratory Control S	WG161195-1	C2275.D	04/14/15	10:03
Method Blank Sample	WG161195-2	C2278.D	04/14/15	11:50
AOC9-TB1040615	SI2201-1	C2279.D	04/14/15	12:21
AOC9-MW05LTM040615	SI2201-5	C2291.D	04/14/15	18:46
AOC9-MW06LTM040715	SI2201-6	C2292.D	04/14/15	19:21

Form 5

Volatile Organic Instrument Performance Check

Lab Name : Katahdin Analytical Services
Project : Former Griffiss Air Force Base, AOC 9
Lab File ID : CB062.D
Instrument ID : GCMS-C

SDG : SI2201
Date Analyzed : 15-APR-15
Time Analyzed : 08:57
Heated Purge : No

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0 - 40.0% of mass 95	22.7	
75	30.0 - 60.0% of mass 95	56.6	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.0	0.0 ¹
174	Greater than 50.0% of mass 95	63.7	
175	5.0 - 9.0% of mass 174	4.8	7.47 ¹
176	95.0 - 101.0% of mass 174	64.3	100.98 ¹
177	5.0 - 9.0% of mass 176	4.5	7.07 ²

1-Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, LCS, MS, MSD and standards:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Continuing Calibrati	WG161248-4	C2298.D	04/15/15	09:22
Laboratory Control S	WG161248-1	C2299.D	04/15/15	10:05
Method Blank Sample	WG161248-2	C2302.D	04/15/15	11:52
AOC9-SW02LTM040615	SI2201-2RA	C2305.D	04/15/15	13:27
AOC9-SW01LTM040615	SI2201-3RA	C2306.D	04/15/15	13:58
G009-MW02LTM040715	SI2201-7	C2315.D	04/15/15	18:47
G009-MW01LTM040715	SI2201-8	C2316.D	04/15/15	19:21
AOC9-MW17LTM040715	SI2201-9	C2317.D	04/15/15	19:55

Form 5

Volatile Organic Instrument Performance Check

Lab Name : Katahdin Analytical Services
Project : Former Griffiss Air Force Base, AOC 9
Lab File ID : CB063.D
Instrument ID : GCMS-C

SDG : SI2201
Date Analyzed : 16-APR-15
Time Analyzed : 08:21
Heated Purge : No

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0 - 40.0% of mass 95	19.8	
75	30.0 - 60.0% of mass 95	50.7	
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	Greater than 50.0% of mass 95	61.7	
175	5.0 - 9.0% of mass 174	4.9	7.95 ¹
176	95.0 - 101.0% of mass 174	59.6	96.56 ¹
177	5.0 - 9.0% of mass 176	3.6	6.04 ²

1-Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, LCS, MS, MSD and standards:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Continuing Calibrati	WG161286-4	C2332.D	04/16/15	08:44
Laboratory Control S	WG161286-1	C2333.D	04/16/15	09:26
Method Blank Sample	WG161286-2	C2336.D	04/16/15	11:12
AOC9-MW17DLTM040715	SI2201-10	C2341.D	04/16/15	13:51
AOC9-MW18LTM040815	SI2201-14	C2345.D	04/16/15	15:58
AOC9-MW19LTM040815	SI2201-15	C2346.D	04/16/15	16:30
AOC9-MW15LTM040715	SI2201-11	C2347.D	04/16/15	17:02
AOC9-MW15DLTM040715	SI2201-12	C2348.D	04/16/15	17:34
AOC9-MW14LTM040815	SI2201-13	C2349.D	04/16/15	18:06
Matrix Spike	WG161286-5	C2350.D	04/16/15	18:40
Matrix Spike Duplica	WG161286-6	C2351.D	04/16/15	19:14

Form 5

Volatile Organic Instrument Performance Check

Lab Name : Katahdin Analytical Services
Project : Former Griffiss Air Force Base, AOC 9
Lab File ID : CB065.D
Instrument ID : GCMS-C

SDG : SI2201
Date Analyzed : 20-APR-15
Time Analyzed : 09:10
Heated Purge : No

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0 - 40.0% of mass 95	23.1	
75	30.0 - 60.0% of mass 95	54.8	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.7	1.03 ¹
174	Greater than 50.0% of mass 95	68.3	
175	5.0 - 9.0% of mass 174	6.1	8.90 ¹
176	95.0 - 101.0% of mass 174	65.0	95.24 ¹
177	5.0 - 9.0% of mass 176	4.3	6.57 ²

1-Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, LCS, MS, MSD and standards:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Continuing Calibrati	WG161476-4	C2387.D	04/20/15	10:22
Laboratory Control S	WG161476-1	C2388.D	04/20/15	11:05
Method Blank Sample	WG161476-2	C2391.D	04/20/15	12:53
AOC9-SW03LTM040615	SI2201-4RA	C2396.D	04/20/15	15:34

Form 8

Internal Standard Area and RT Summary

Lab Name : Katahdin Analytical Services
Project : Former Griffiss Air Force Base, .
Lab ID : WG160924-4
Lab File ID : C2176.D

SDG: SI2201
Analytical Date: 04/08/15 10:49
Instrument ID: GCMS-C

		PENTAFLUOROBENZENE				1,4-DIFLUOROBENZENE				CHLOROBENZENE-D5			
		Area	#	RT	#	Area	#	RT	#	Area	#	RT	#
	Std .	332115		8.04		559910		8.70		542634		12.19	
	Upper Limit	664230		8.54		1119820		9.20		1085268		12.69	
	Lower Limit	166057.5		7.54		279955		8.20		271317		11.69	
Client Sample ID	Lab Sample ID												
Continuing Calibrati	WG161195-4	331209		8.04		568391		8.71		568688		12.19	
Laboratory Control S	WG161195-1	349457		8.04		595444		8.70		579823		12.19	
Method Blank Sample	WG161195-2	295533		8.04		523654		8.71		522540		12.19	
AOC9-TB1040615	SI2201-1	289345		8.04		487044		8.70		507067		12.19	
AOC9-MW05LTM040	SI2201-5	296759		8.04		526008		8.70		528715		12.19	
AOC9-MW06LTM040	SI2201-6	277011		8.04		482153		8.70		488143		12.19	
Continuing Calibrati	WG161248-4	340183		8.04		574610		8.70		582249		12.19	
Laboratory Control S	WG161248-1	351235		8.04		602616		8.70		596967		12.19	
Method Blank Sample	WG161248-2	312577		8.04		530120		8.70		538787		12.19	
AOC9-SW02LTM0406	SI2201-2RA	292045		8.04		512379		8.70		522436		12.19	
AOC9-SW01LTM0406	SI2201-3RA	300338		8.04		519207		8.70		519472		12.19	
G009-MW02LTM0407	SI2201-7	294440		8.04		519925		8.70		531671		12.19	
G009-MW01LTM0407	SI2201-8	305741		8.04		521053		8.70		536896		12.19	
AOC9-MW17LTM040	SI2201-9	303989		8.04		533472		8.70		526100		12.19	
Continuing Calibrati	WG161286-4	349066		8.04		596574		8.70		601628		12.19	
Laboratory Control S	WG161286-1	362514		8.04		622088		8.70		609478		12.19	
Method Blank Sample	WG161286-2	309383		8.04		529890		8.70		545959		12.19	
AOC9-MW17DLTM04	SI2201-10	304678		8.04		525138		8.70		533092		12.19	
AOC9-MW18LTM040	SI2201-14	302008		8.04		526269		8.70		525060		12.19	
AOC9-MW19LTM040	SI2201-15	306504		8.04		513515		8.70		533331		12.19	
AOC9-MW15LTM040	SI2201-11	299205		8.04		520078		8.70		529704		12.19	
AOC9-MW15DLTM04	SI2201-12	304671		8.04		529432		8.70		537221		12.19	
AOC9-MW14LTM040	SI2201-13	313458		8.04		528001		8.70		542567		12.19	
Matrix Spike	WG161286-5	342444		8.04		575429		8.70		567810		12.19	
Matrix Spike Duplica	WG161286-6	352281		8.04		598630		8.70		596068		12.19	
Continuing Calibrati	WG161476-4	337457		8.04		592197		8.70		587670		12.19	
Laboratory Control S	WG161476-1	341964		8.04		593505		8.70		601314		12.19	
Method Blank Sample	WG161476-2	285477		8.04		504595		8.70		546424		12.19	
AOC9-SW03LTM0406	SI2201-4RA	258312		8.04		466693		8.70		518279		12.19	

Form 8

Internal Standard Area and RT Summary

Lab Name : Katahdin Analytical Services
Project : Former Griffiss Air Force Base, ,
Lab ID : WG160924-4
Lab File ID : C2176.D

SDG: SI2201
Analytical Date: 04/08/15 10:49
Instrument ID: GCMS-C

		1,4-DICHLOROBENZENE-D4			
		Area	#	RT	#
Std .		329788		15.52	
Upper Limit		659576		16.02	
Lower Limit		164894		15.02	
Client Sample ID	Lab Sample ID				
Continuing Calibrati	WG161195-4	353333		15.52	
Laboratory Control S	WG161195-1	354327		15.52	
Method Blank Sample	WG161195-2	296785		15.52	
AOC9-TB1040615	SI2201-1	284942		15.52	
AOC9-MW05LTM040	SI2201-5	310196		15.52	
AOC9-MW06LTM040	SI2201-6	289367		15.52	
Continuing Calibrati	WG161248-4	356730		15.52	
Laboratory Control S	WG161248-1	364572		15.52	
Method Blank Sample	WG161248-2	319283		15.52	
AOC9-SW02LTM0406	SI2201-2RA	305643		15.52	
AOC9-SW01LTM0406	SI2201-3RA	310986		15.52	
G009-MW02LTM0407	SI2201-7	318231		15.52	
G009-MW01LTM0407	SI2201-8	317487		15.52	
AOC9-MW17LTM040	SI2201-9	315609		15.52	
Continuing Calibrati	WG161286-4	373477		15.52	
Laboratory Control S	WG161286-1	381628		15.52	
Method Blank Sample	WG161286-2	320959		15.52	
AOC9-MW17DLTM04	SI2201-10	316554		15.52	
AOC9-MW18LTM040	SI2201-14	308946		15.52	
AOC9-MW19LTM040	SI2201-15	315598		15.52	
AOC9-MW15LTM040	SI2201-11	314146		15.52	
AOC9-MW15DLTM04	SI2201-12	325946		15.52	
AOC9-MW14LTM040	SI2201-13	328214		15.52	
Matrix Spike	WG161286-5	367855		15.52	
Matrix Spike Duplica	WG161286-6	374545		15.52	
Continuing Calibrati	WG161476-4	371184		15.52	
Laboratory Control S	WG161476-1	374998		15.52	
Method Blank Sample	WG161476-2	323722		15.52	
AOC9-SW03LTM0406	SI2201-4RA	310511		15.52	

Form 8
Internal Standard Area and RT Summary

Lab Name : Katahdin Analytical Services
Project : Former Griffiss Air Force Base, ,
Lab ID : WG160924-4
Lab File ID : C2176.D

SDG: SI2201
Analytical Date: 04/08/15 10:49
Instrument ID: GCMS-C

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area
RT Upper Limit = + 0.50 minutes of internal standard RT
RT Lower Limit = - 0.50 minutes of internal standard RT

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

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

or

J Used for Pesticides, PCBs, Herbicides, Formaldehyde, Explosives and Method 504.1 analytes when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

C Indicates that the flagged compound did not meet DoD criteria in the corresponding daily calibration verification (CV).

L Indicates that the flagged compound did not meet DoD criteria in the corresponding Laboratory Control Sample (LCS) and/or Laboratory Control Sample Duplicate (LCSD) prepared and/or analyzed concurrently with the sample.

M Indicates that the flagged compound did not meet DoD criteria in the Matrix Spike and/or Matrix Spike Duplicate prepared and/or analyzed concurrently with the native sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

Katahdin Analytical Services, Inc.

Manual Integration Codes For GC/MS, GC, HPLC and/or IC

M1	Peak splitting.
M2	Well defined peaks on the shoulders of the other peaks.
M3	There is additional area due to a coeluting interferant.
M4	There are negative spikes in the baseline.
M5	There are rising or falling baselines.
M6	The software has failed to detect a peak or misidentified a peak.
M7	Excessive peak tailing.
M8	Analysis such as GRO, DRO and TPH require a baseline hold.
M9	Peak was not completely integrated as in GC/MS.
M10	Primary ion was correctly integrated, but secondary or tertiary ion needed manual integration as in GC/MS.
M11	For GC analysis, when a sample is diluted by 1:10 or more, the surrogate is set to undetected and then the area under the surrogate is manually integrated.
M12	Manual integration saved in method due to TurboChrom floating point error.

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-1

Client ID: AOC9-TB1040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2279.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-1

Client ID: AOC9-TB1040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2279.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		113.	%					
Toluene-d8		111.	%					
P-Bromofluorobenzene		97.6	%					
Dibromofluoromethane		103.	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041415.b\C2279.D
 Report Date: 22-Apr-2015 15:12

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041415.b\C2279.D
 Lab Smp Id: SI2201-1
 Inj Date : 14-APR-2015 12:21 MS Autotune Date: 03-FEB-2015 11:03
 Operator : EME Inst ID: gcms-c.i
 Smp Info : SI2201-1
 Misc Info : WG161195, WG160924-4
 Comment : SW846 5030
 Method : \\TARGET_SERVER\GG\chem\gcms-c.i\C041415.b\C826A36.m
 Meth Date : 22-Apr-2015 15:09 gcms-c.i Quant Type: ISTD
 Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.12
 Compound Sublist: all.sub

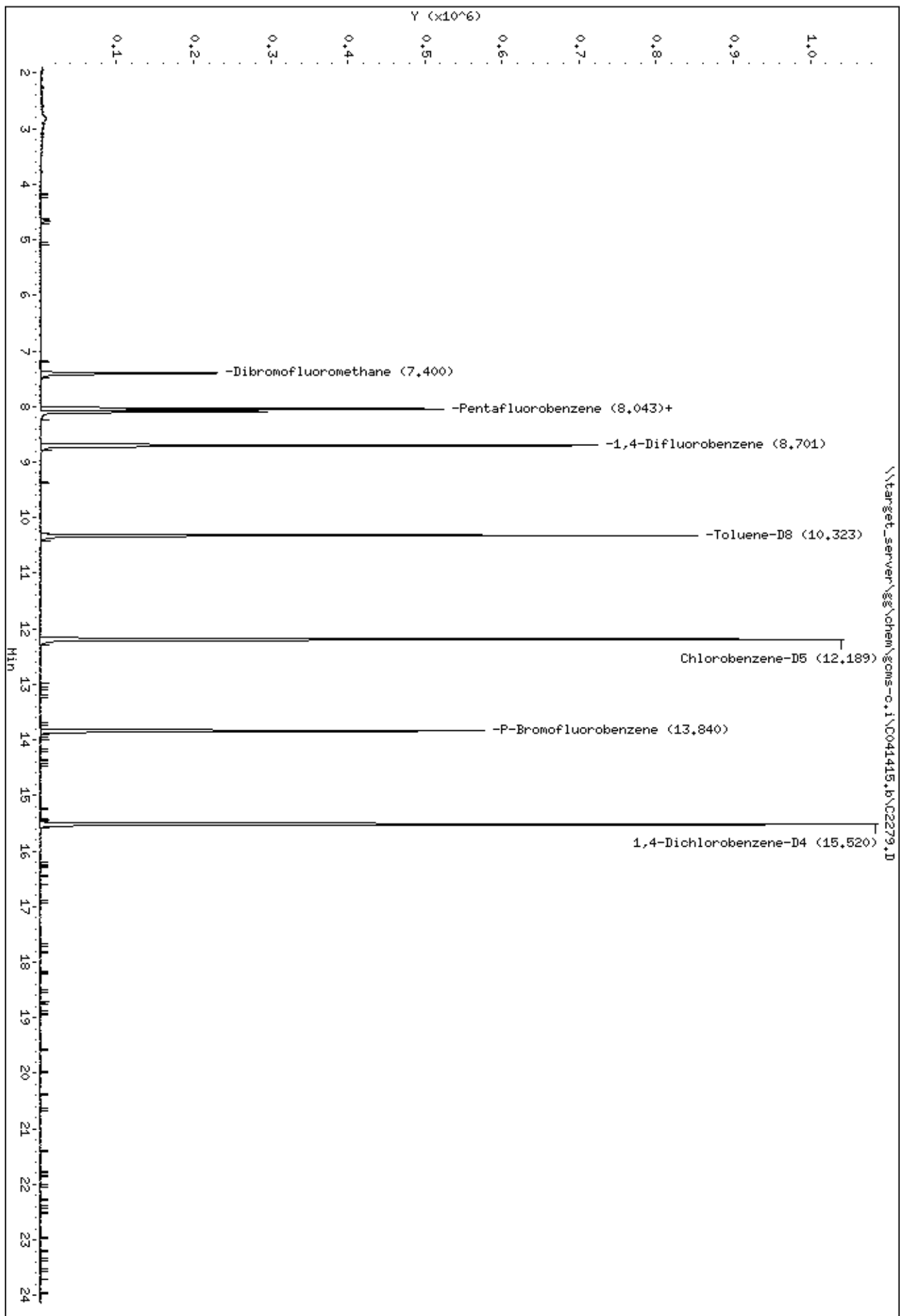
Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 37 Dibromofluoromethane	113	7.399	7.405	(0.920)	149875	51.6334	51.6		
* 42 Pentafluorobenzene	168	8.043	8.041	(1.000)	289345	50.0000			
\$ 45 1,2-Dichloroethane-D4	65	8.093	8.090	(1.006)	218735	56.3222	56.3		
* 49 1,4-Difluorobenzene	114	8.700	8.698	(1.000)	487044	50.0000			
\$ 55 Toluene-D8	98	10.323	10.321	(1.186)	494523	55.3680	55.4		
* 66 Chlorobenzene-D5	117	12.188	12.187	(1.000)	507067	50.0000			
\$ 76 P-Bromofluorobenzene	95	13.832	13.838	(1.590)	229332	48.7985	48.8		
* 91 1,4-Dichlorobenzene-D4	152	15.519	15.518	(1.000)	284942	50.0000			

Data File: \\target_server\gs\chem\gms-c.i\CO41415.b\CO2279.D
Date : 14-APR-2015 12:21
Client ID:
Sample Info: SI2201-1

Instrument: gms-c.i



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-2RA

Client ID: AOC9-SW02LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2305.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	UL	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	UL	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	J	4.3	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-2RA

Client ID: AOC9-SW02LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2305.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	J	0.40	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		111.	%					
Toluene-d8		107.	%					
P-Bromofluorobenzene		95.5	%					
Dibromofluoromethane		101.	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2305.D
Report Date: 22-Apr-2015 15:19

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041515.b\C2305.D
Lab Smp Id: SI2201-2RA Client Smp ID: AOC9-SW02LTM040615
Inj Date : 15-APR-2015 13:27 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-2RA
Misc Info : WG161248, WG160924-4
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041515.b\C826A36.m
Meth Date : 22-Apr-2015 15:13 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Compound Sublist: all.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS						REVIEW CODE	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN		FINAL
								(ug/l)		(ug/l)
=====	=====		=====	=====	=====	=====	=====	=====		
15 Acetone	43		4.759	4.753 (0.592)	5373	4.33671	4.3(aM)	M10		
\$ 37 Dibromofluoromethane	113		7.404	7.405 (0.921)	148490	50.6833	50.7	REC 4:49 pm, Apr 22, 2015		
* 42 Pentafluorobenzene	168		8.040	8.041 (1.000)	292045	50.0000				
\$ 45 1,2-Dichloroethane-D4	65		8.090	8.090 (1.006)	217676	55.5313	55.5			
* 49 1,4-Difluorobenzene	114		8.698	8.698 (1.000)	512379	50.0000				
\$ 55 Toluene-D8	98		10.320	10.321 (1.187)	501672	53.3911	53.4			
* 66 Chlorobenzene-D5	117		12.186	12.187 (1.000)	522436	50.0000				
67 Chlorobenzene	112		12.207	12.208 (1.002)	4312	0.40343	0.40(a)			
\$ 76 P-Bromofluorobenzene	95		13.837	13.838 (1.591)	236143	47.7632	47.8			
* 91 1,4-Dichlorobenzene-D4	152		15.517	15.518 (1.000)	305643	50.0000				

REC

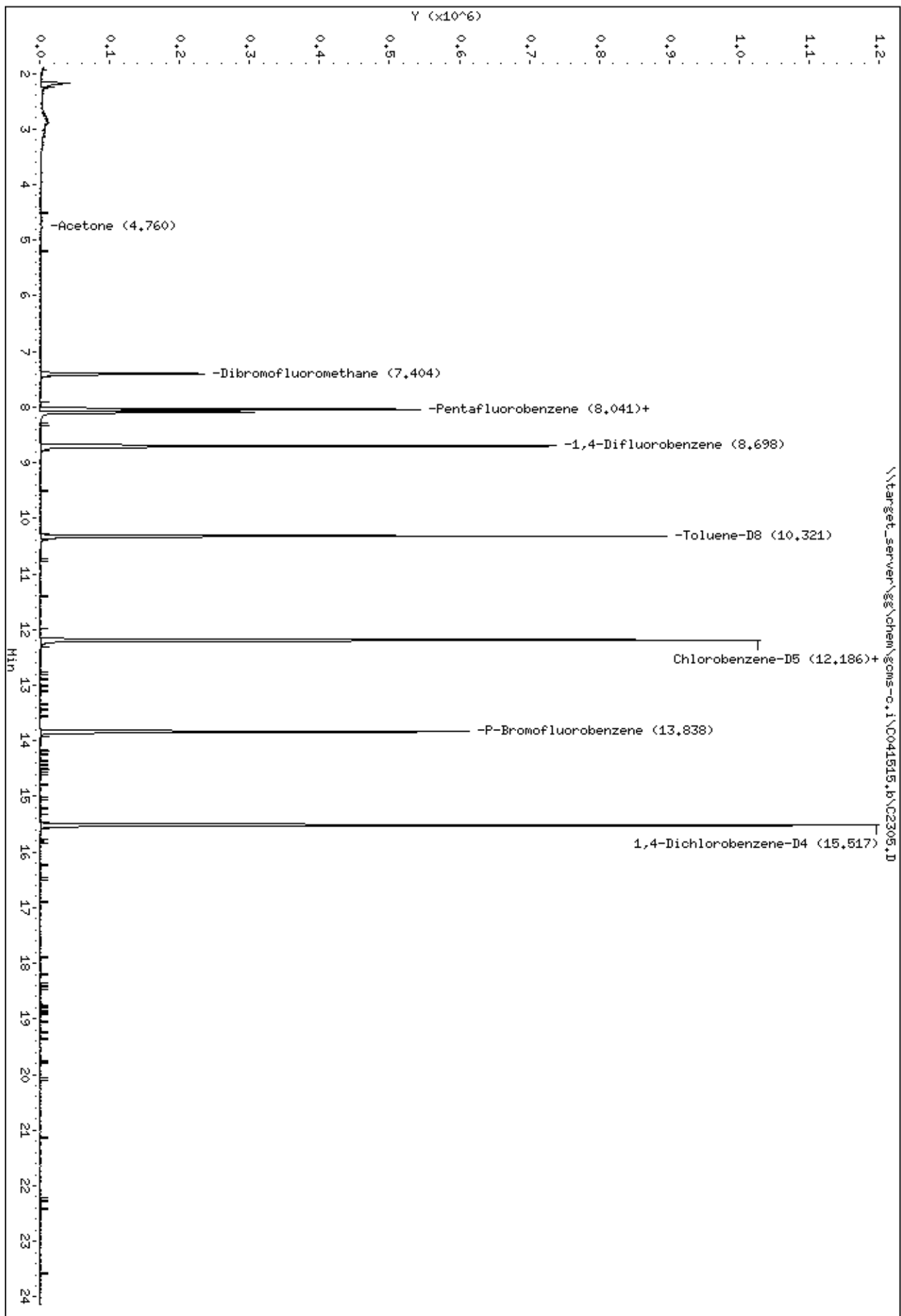
4:49 pm, Apr 22, 2015

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\target_server\gs\chem\gms-c.i\0041515.b\02305.D
Date: 15-APR-2015 13:27
Client ID: AOC9-SM02LTH040615
Sample Info: SI2201-2RA

Instrument: gms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C041515,b\C2305.D

Date : 15-APR-2015 13:27

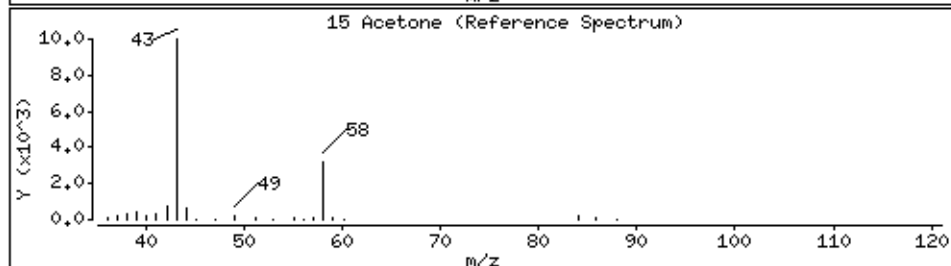
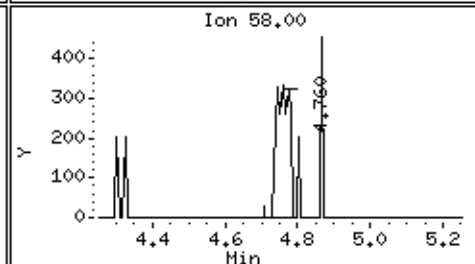
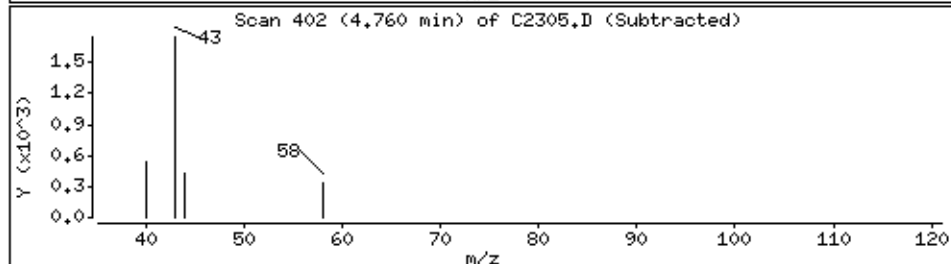
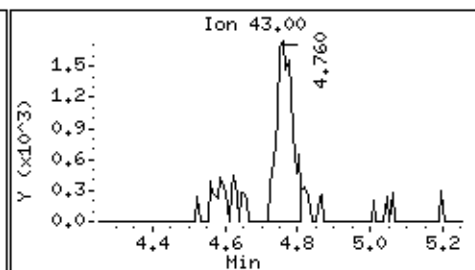
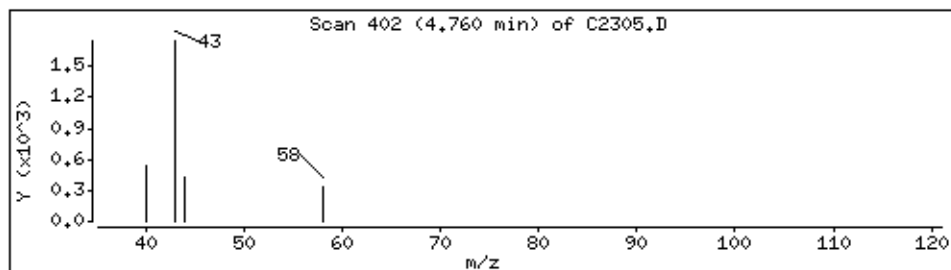
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Instrument: gcms-c.i

Sample Info: SI2201-2RA

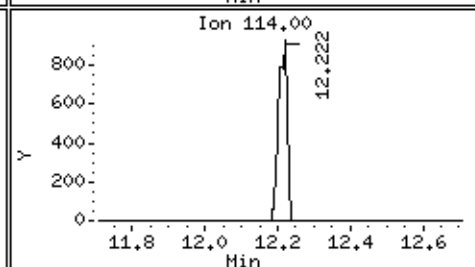
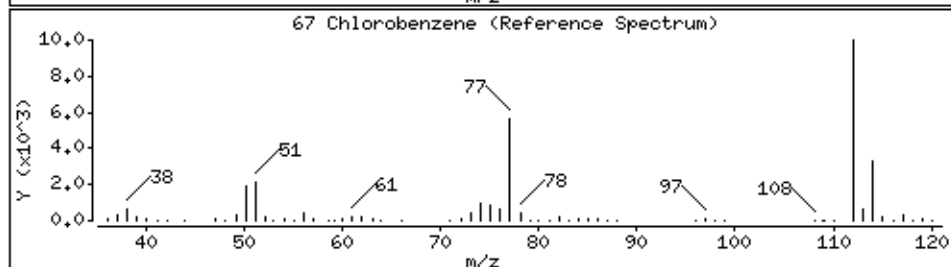
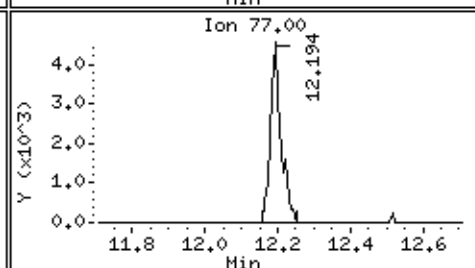
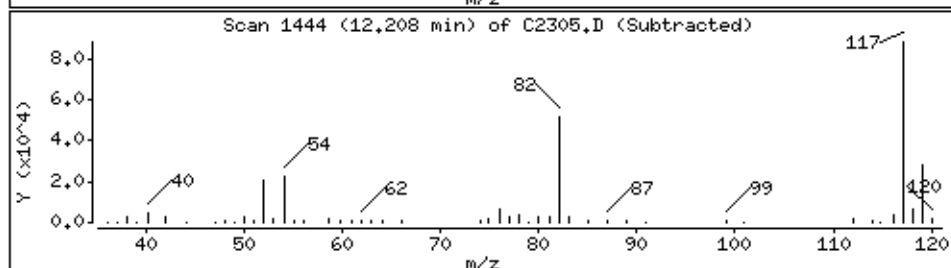
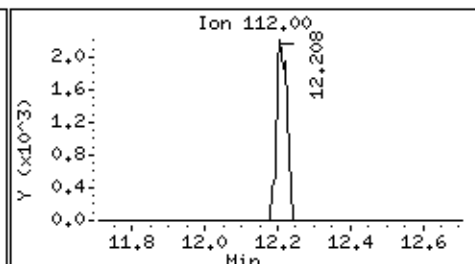
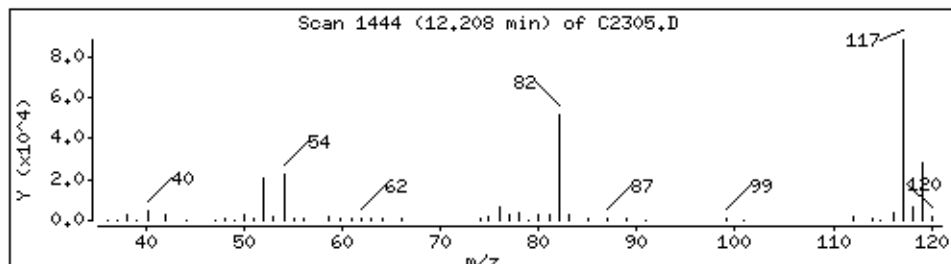
15 Acetone

Concentration: 4.3 ug/l



67 Chlorobenzene

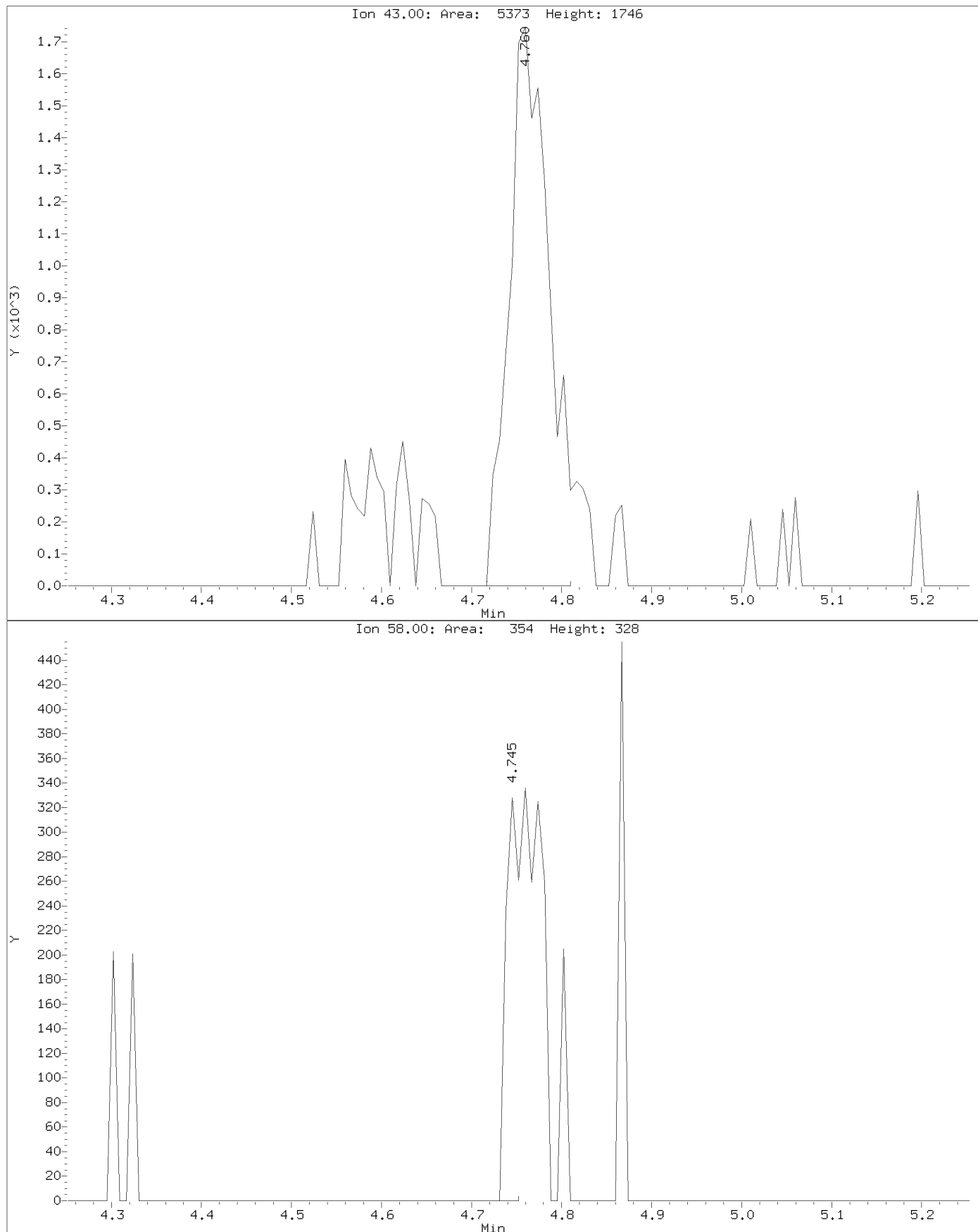
Concentration: 0.40 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\0041515.b\C2305.D
Injection Date: 15-APR-2015 13:27
Instrument: gcms-c.i
Client Sample ID: AOC9-SW02LTM040615

BEFORE MANUAL INTEGRATION

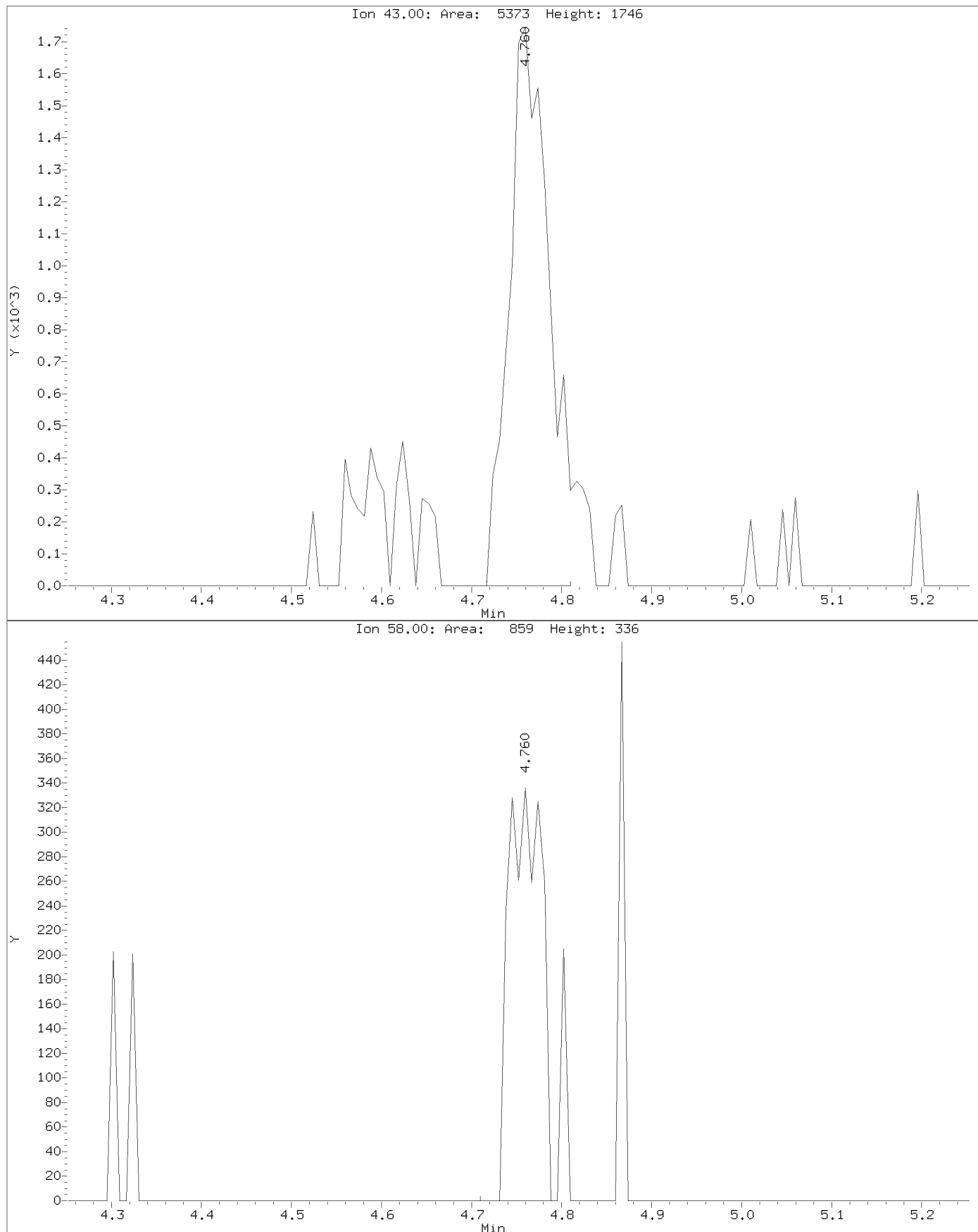
Compound: Acetone
CAS Number: 67-64-1



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Injection Date: 15-APR-2015 13:27
Instrument: gcms-c.i
Client Sample ID: AOC9-SW02LTM040615

Compound: Acetone
CAS Number: 67-64-1

AFTER MANUAL INTEGRATION



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-3RA

Client ID: AOC9-SW01LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2306.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	UL	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	UL	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-3RA

Client ID: AOC9-SW01LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2306.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		110.	%					
Toluene-d8		106.	%					
P-Bromofluorobenzene		93.6	%					
Dibromofluoromethane		99.3	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2306.D
Report Date: 22-Apr-2015 15:19

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041515.b\C2306.D
Lab Smp Id: SI2201-3RA Client Smp ID: AOC9-SW01LTM040615
Inj Date : 15-APR-2015 13:58 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-3RA
Misc Info : WG161248, WG160924-4
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041515.b\C826A36.m
Meth Date : 22-Apr-2015 15:13 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Compound Sublist: all.sub

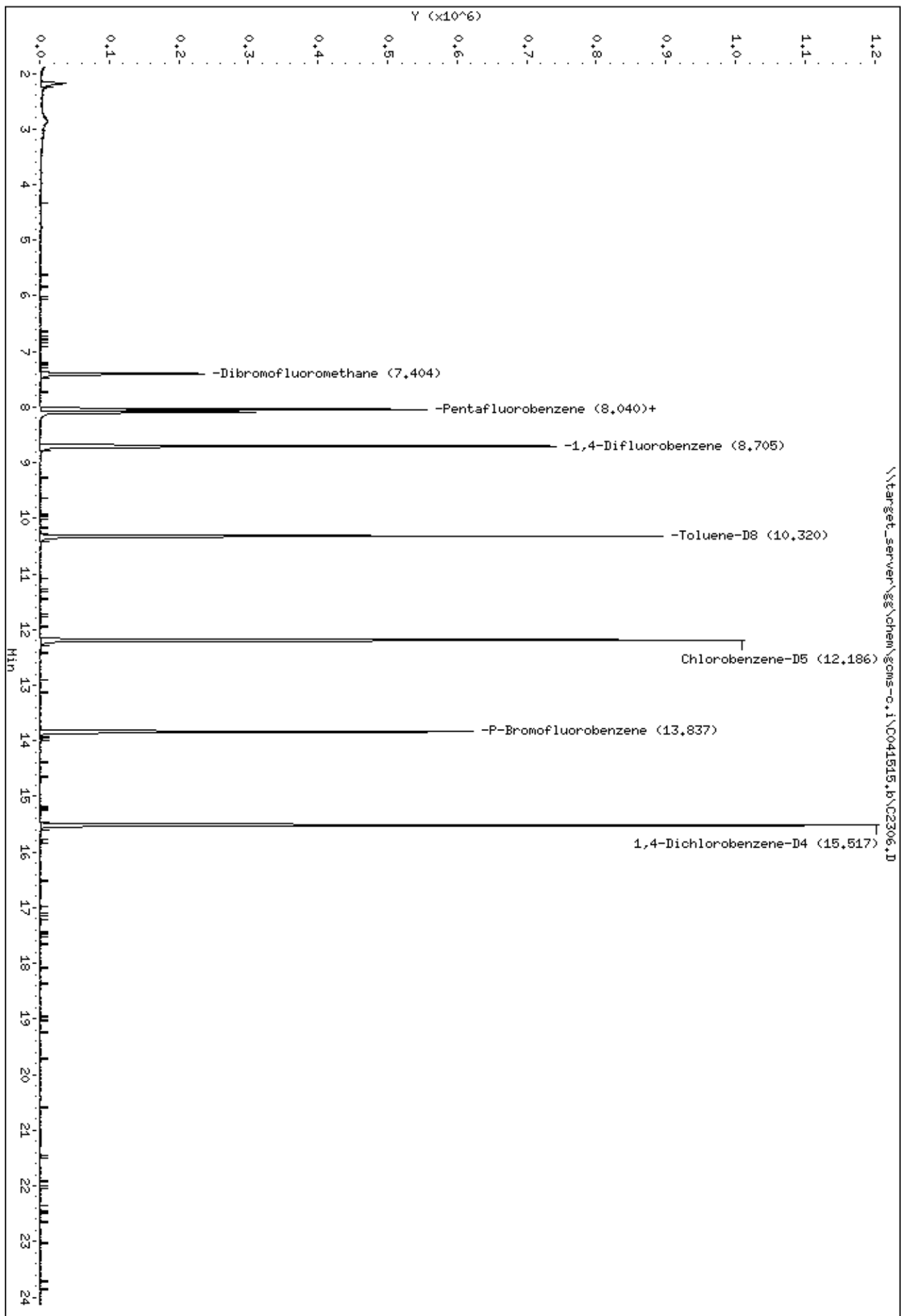
Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
						ON-COLUMN (ug/l)	FINAL (ug/l)	
\$ 37 Dibromofluoromethane	113	7.403	7.405 (0.921)		149579	49.6452	49.6	
* 42 Pentafluorobenzene	168	8.040	8.041 (1.000)		300338	50.0000		
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090 (1.006)		221134	54.8558	54.8	
* 49 1,4-Difluorobenzene	114	8.704	8.698 (1.000)		519207	50.0000		
\$ 55 Toluene-D8	98	10.320	10.321 (1.186)		505814	53.1240	53.1	
* 66 Chlorobenzene-D5	117	12.193	12.187 (1.000)		519472	50.0000		
\$ 76 P-Bromofluorobenzene	95	13.837	13.838 (1.590)		234498	46.8067	46.8	
* 91 1,4-Dichlorobenzene-D4	152	15.516	15.518 (1.000)		310986	50.0000		

Data File: \\target_server\gs\chem\gms-c.i\0041515.b\02306.D
Date : 15-APR-2015 13:58
Client ID: AOC9-SM01LTH040615
Sample Info: S12201-3RA

Instrument: gms-c.i



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-4RA

Client ID: AOC9-SW03LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2396.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 20-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161476

Analysis Date: 20-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	J	3.4	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	J	0.36	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	UL	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-4RA

Client ID: AOC9-SW03LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2396.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 20-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161476

Analysis Date: 20-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	J	0.61	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		123.	%					
Toluene-d8		113.	%					
P-Bromofluorobenzene		104.	%					
Dibromofluoromethane		112.	%					

Data File: \\target_server\gg\chem\gcms-c.i\C042015.b\C2396.D
Report Date: 22-Apr-2015 16:09

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C042015.b\C2396.D
Lab Smp Id: SI2201-4RA Client Smp ID: AOC9-SW03LTM040615
Inj Date : 20-APR-2015 15:34 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-4RA
Misc Info : WG161476, WG160924-4
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C042015.b\C826A36.m
Meth Date : 22-Apr-2015 16:07 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Compound Sublist: all.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====		=====	=====	=====	=====	=====	=====	=====
10 Carbon Disulfide	76		3.790	3.780	(0.471)	3117	0.36059	0.36(a)	
15 Acetone	43		4.762	4.753	(0.592)	3748	3.42017	3.4(aM)	M9
\$ 37 Dibromofluoromethane	113		7.400	7.405	(0.920)	145775	56.2543	56.2	
* 42 Pentafluorobenzene	168		8.043	8.041	(1.000)	258312	50.0000		
\$ 45 1,2-Dichloroethane-D4	65		8.093	8.090	(1.006)	213483	61.5738	61.6	
* 49 1,4-Difluorobenzene	114		8.700	8.698	(1.000)	466693	50.0000		
\$ 55 Toluene-D8	98		10.323	10.321	(1.186)	483815	56.5312	56.5	
* 66 Chlorobenzene-D5	117		12.189	12.187	(1.000)	518279	50.0000		
67 Chlorobenzene	112		12.210	12.208	(1.002)	6428	0.60623	0.61(a)	
\$ 76 P-Bromofluorobenzene	95		13.840	13.838	(1.591)	233600	51.8742	51.9	
* 91 1,4-Dichlorobenzene-D4	152		15.520	15.518	(1.000)	310511	50.0000		

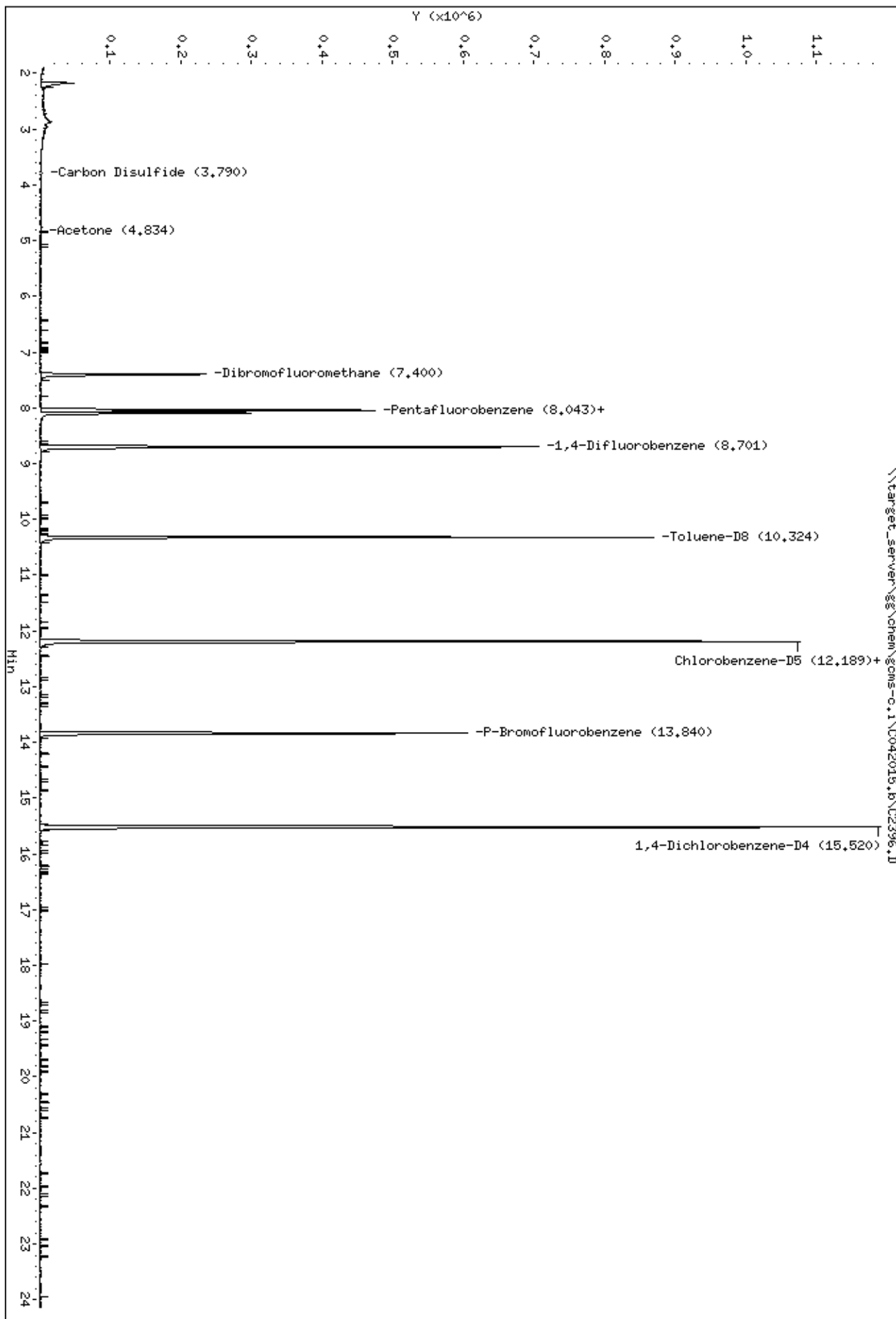
REC
4:49 pm, Apr 22, 2015

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\target_server\gs\chem\goms-c.i\0042015.b\02396.D
Date: 20-APR-2015 15:34
Client ID: AOC9-SW03LTH040615
Sample Info: S12201-4RA

Instrument: goms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C042015,b\C2396.D

Date : 20-APR-2015 15:34

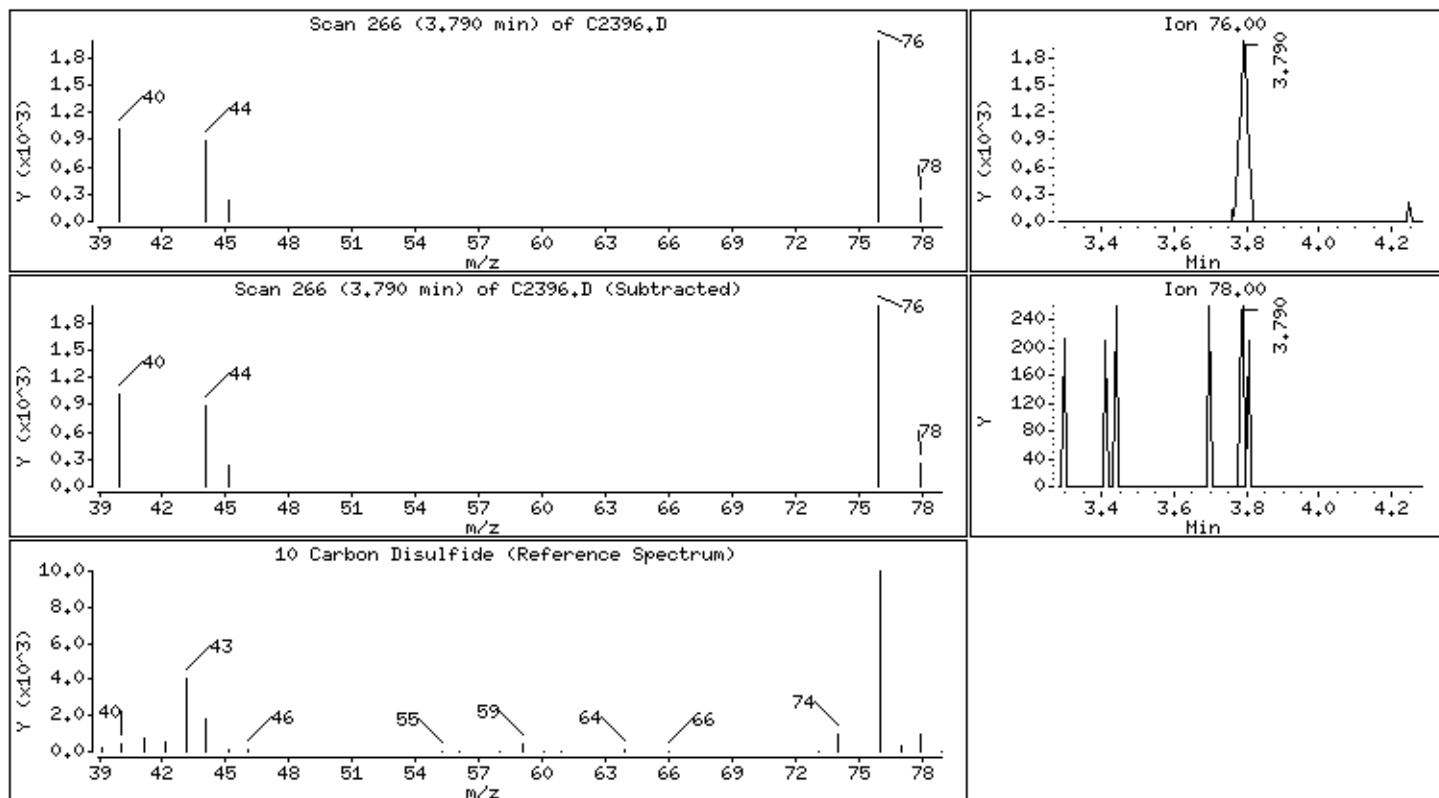
Client ID: AOC9-SW03LTH040615

Instrument: gcms-c.i

Sample Info: SI2201-4RA

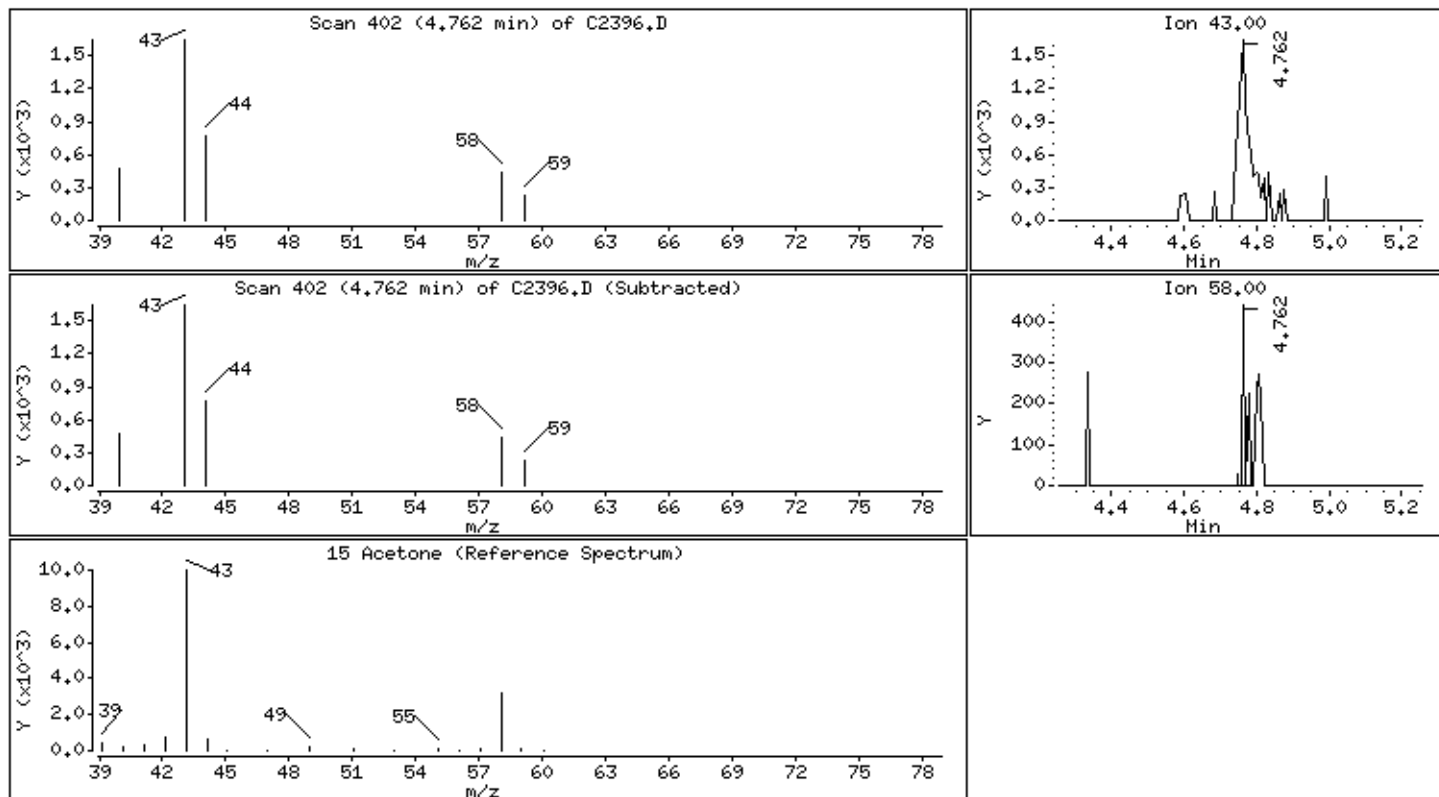
10 Carbon Disulfide

Concentration: 0,36 ug/l



15 Acetone

Concentration: 3,4 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C042015,b\C2396.D

Date : 20-APR-2015 15:34

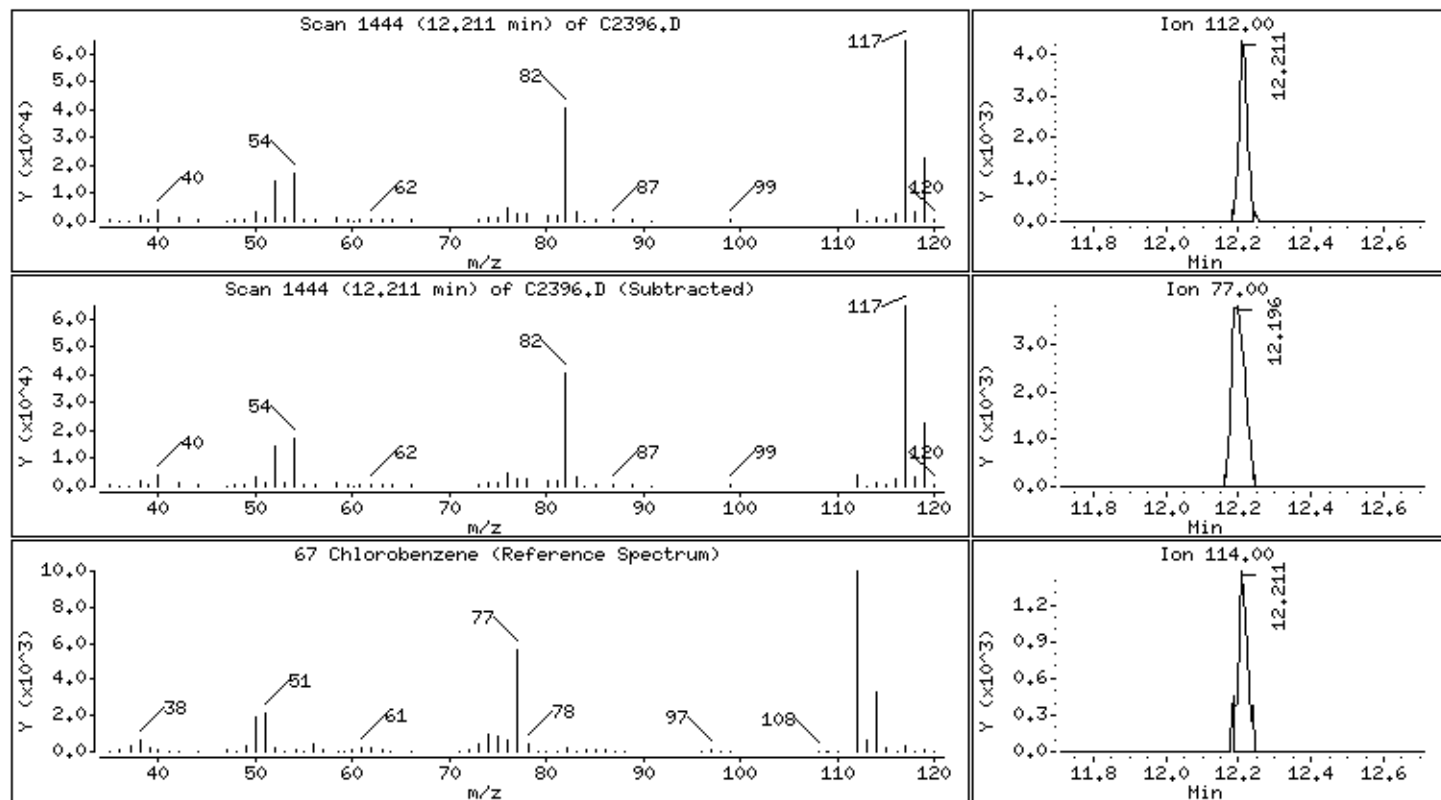
Client ID: AOC9-SW03LTH040615

Instrument: gcms-c.i

Sample Info: SI2201-4RA

67 Chlorobenzene

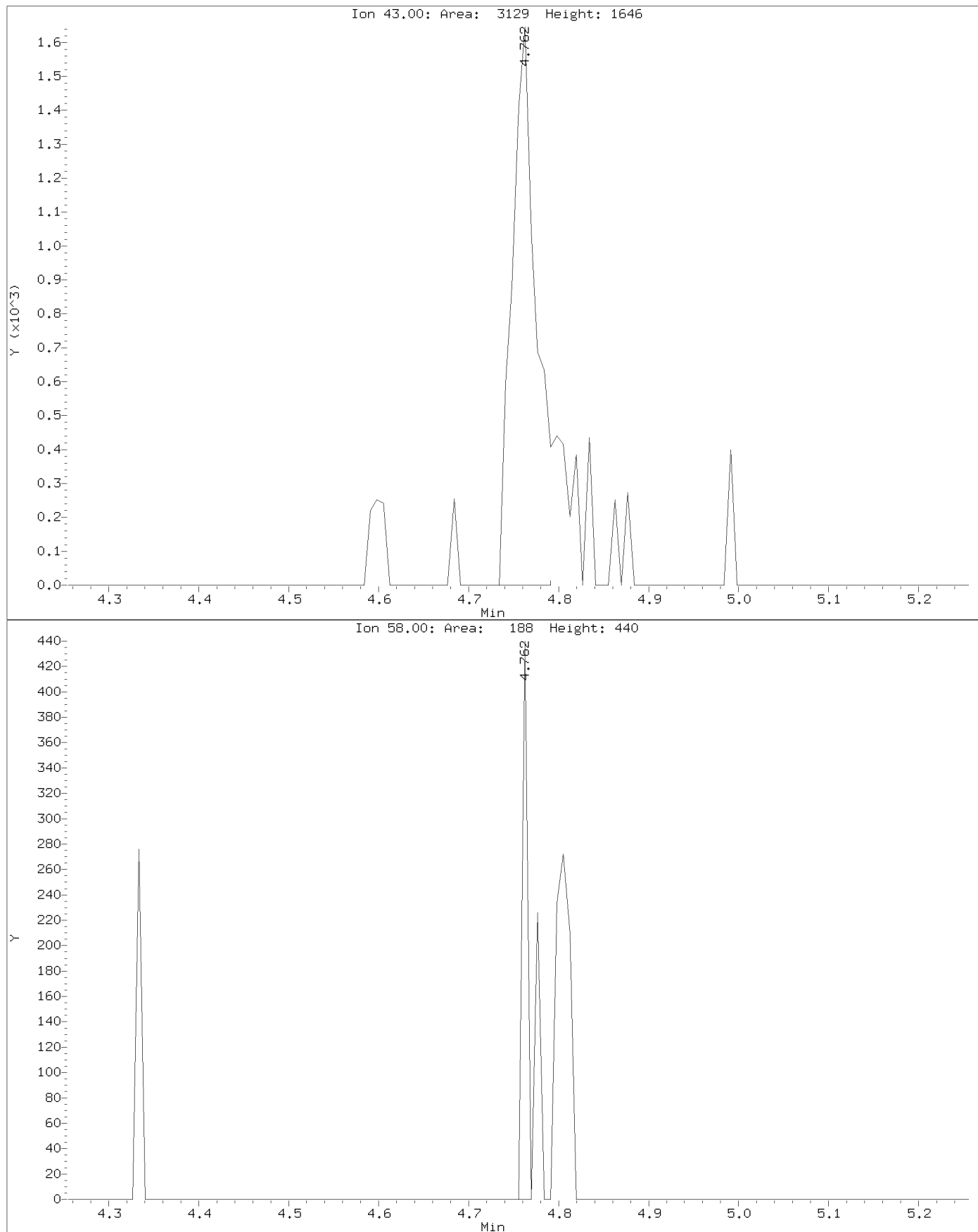
Concentration: 0,61 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\0042015.b\C2396.D
Injection Date: 20-APR-2015 15:34
Instrument: gcms-c.i
Client Sample ID: AOC9-SW03LTM040615

BEFORE MANUAL INTEGRATION

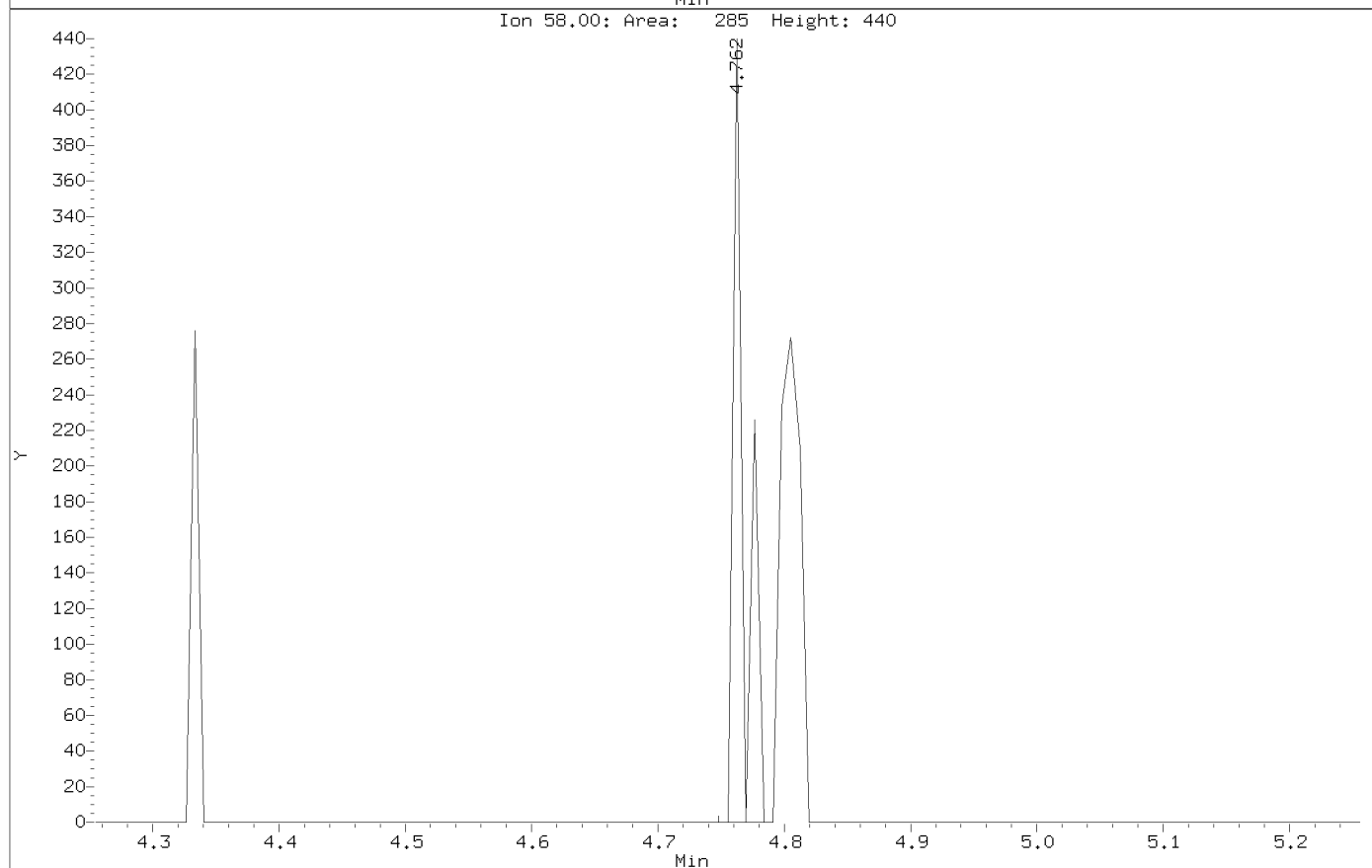
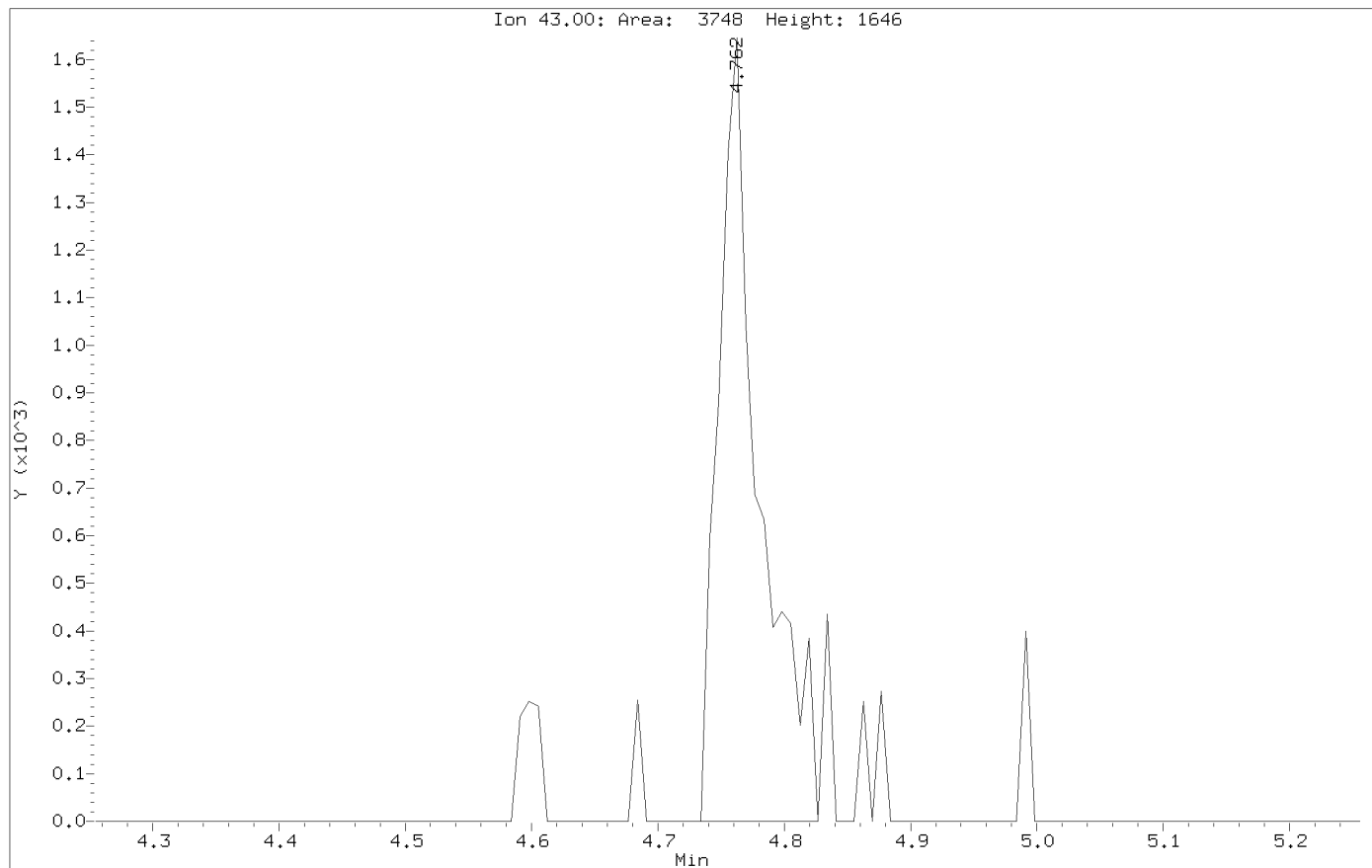
Compound: Acetone
CAS Number: 67-64-1



Data File: \\target_server\gg\chem\gcms-c.i\0042015.b\C2396.D
Injection Date: 20-APR-2015 15:34
Instrument: gcms-c.i
Client Sample ID: AOC9-SW03LTM040615

AFTER MANUAL INTEGRATION

Compound: Acetone
CAS Number: 67-64-1



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-5

Client ID: AOC9-MW05LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2291.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	J	0.51	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	J	0.84	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-5

Client ID: AOC9-MW05LTM040615

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2291.D

Sample Date: 06-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		118.	%					
Toluene-d8		109.	%					
P-Bromofluorobenzene		96.8	%					
Dibromofluoromethane		106.	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041415.b\C2291.D
Report Date: 22-Apr-2015 15:12

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041415.b\C2291.D
Lab Smp Id: SI2201-5
Inj Date : 14-APR-2015 18:46 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-5
Misc Info : WG161195, WG160924-4
Comment : SW846 5030
Method : \\TARGET_SERVER\GG\chem\gcms-c.i\C041415.b\C826A36.m
Meth Date : 22-Apr-2015 15:09 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS			
		QUANT	SIG				ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/l)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====	=====
	10 Carbon Disulfide	76	3.789	3.780	(0.471)	5040	0.50751	0.51(a)	
	12 Iodomethane	142	3.953	3.952	(0.492)	4401	1.11226	1.1	
	29 cis-1,2-Dichloroethene	96	6.776	6.761	(0.843)	3434	0.84397	0.84(aM)	M9
M	30 1,2-Dichloroethylene (total)	96				3434	0.84397	0.84(a)	
\$	37 Dibromofluoromethane	113	7.398	7.405	(0.920)	157325	52.8459	52.8	
*	42 Pentafluorobenzene	168	8.042	8.041	(1.000)	296759	50.0000		
\$	45 1,2-Dichloroethane-D4	65	8.084	8.090	(1.005)	234821	58.9536	59.0	
*	49 1,4-Difluorobenzene	114	8.699	8.698	(1.000)	526008	50.0000		
\$	55 Toluene-D8	98	10.322	10.321	(1.187)	524019	54.3244	54.3	
*	66 Chlorobenzene-D5	117	12.187	12.187	(1.000)	528715	50.0000		
\$	76 P-Bromofluorobenzene	95	13.831	13.838	(1.590)	245791	48.4265	48.4	
*	91 1,4-Dichlorobenzene-D4	152	15.518	15.518	(1.000)	310196	50.0000		

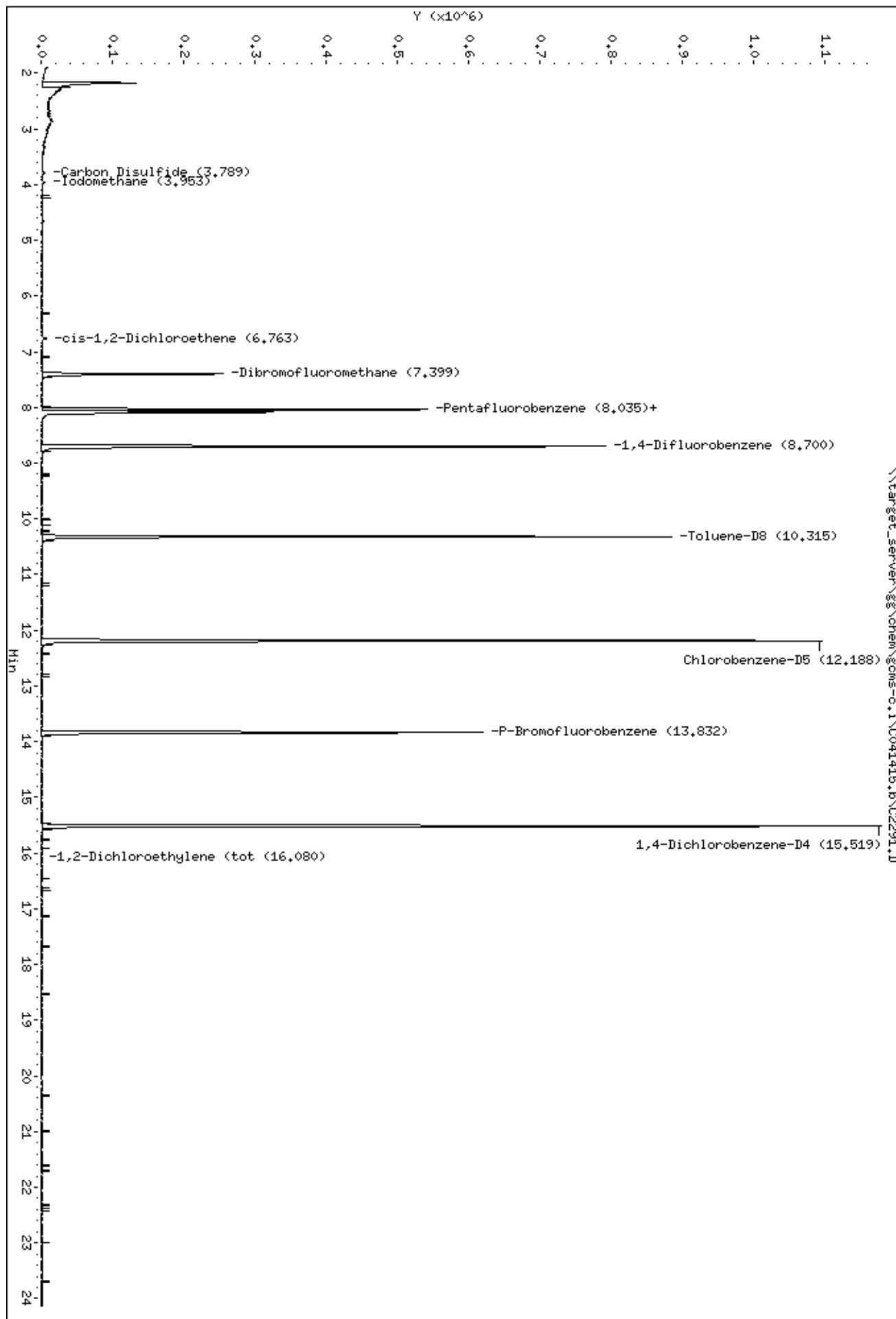
REC
4:50 pm, Apr 22, 2015

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\target_server\gs\chem\goms-c.i\CO41415.b\CO2291.D
Date : 14-APR-2015 18:46
Client ID:
Sample Info: SI2201-5

Instrument: goms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C041415,b\C2291.D

Date : 14-APR-2015 18:46

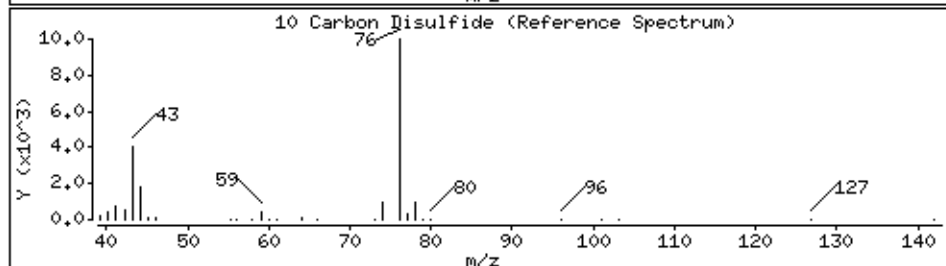
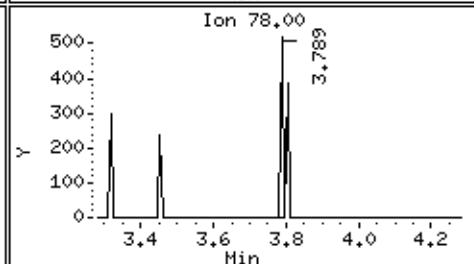
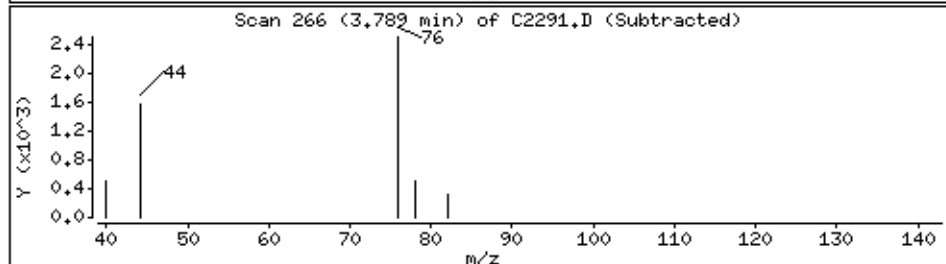
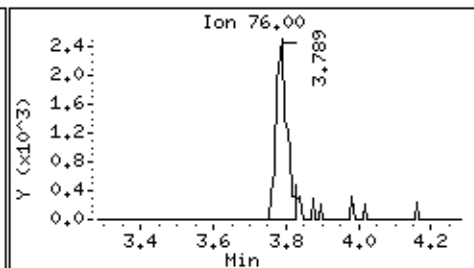
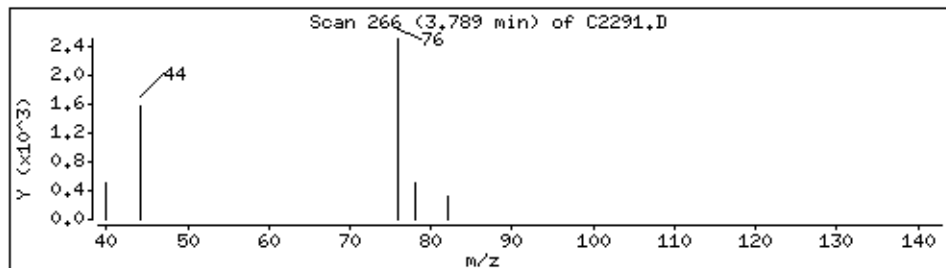
Client ID:

Instrument: gcms-c.i

Sample Info: SI2201-5

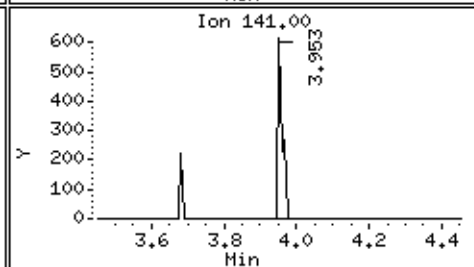
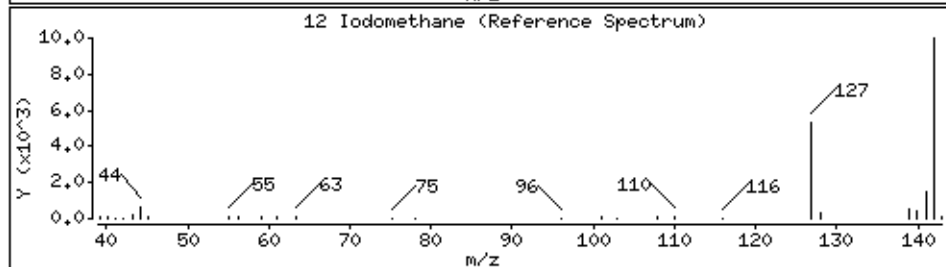
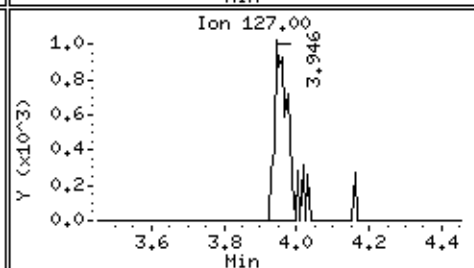
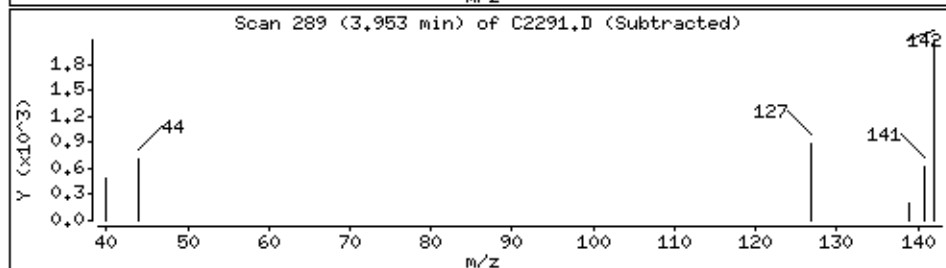
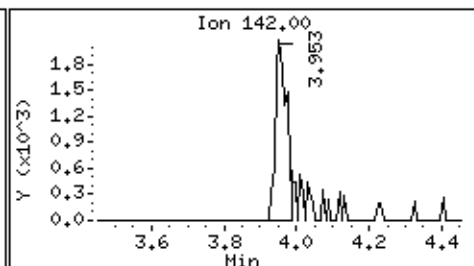
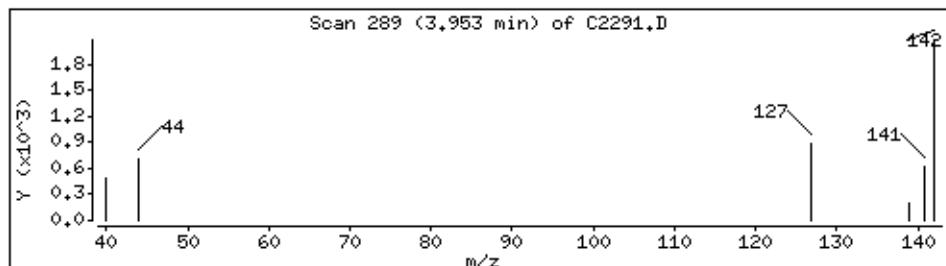
10 Carbon Disulfide

Concentration: 0,51 ug/l



12 Iodomethane

Concentration: 1,1 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041415.b\C2291.D

Date : 14-APR-2015 18:46

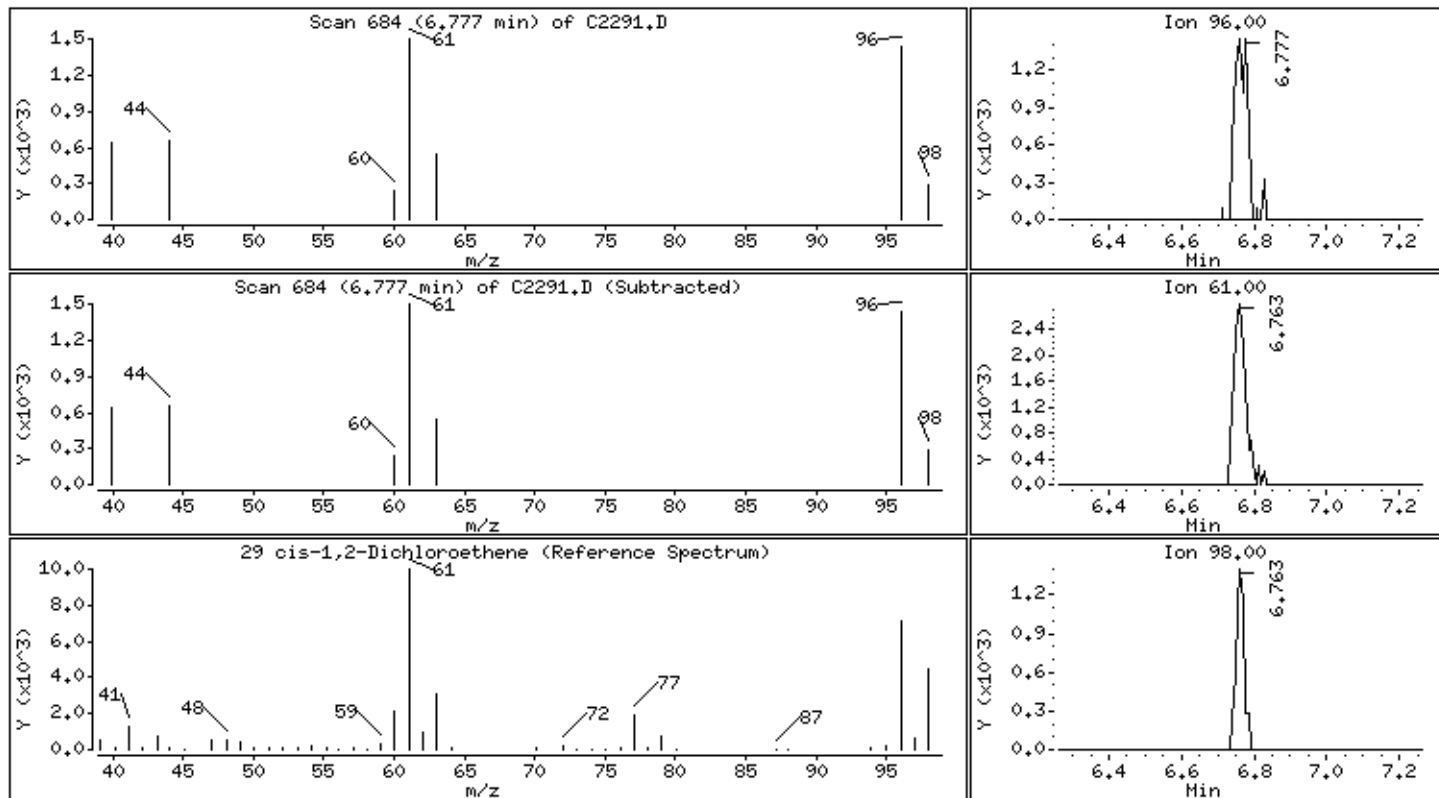
Client ID:

Instrument: gcms-c.i

Sample Info: SI2201-5

29 cis-1,2-Dichloroethene

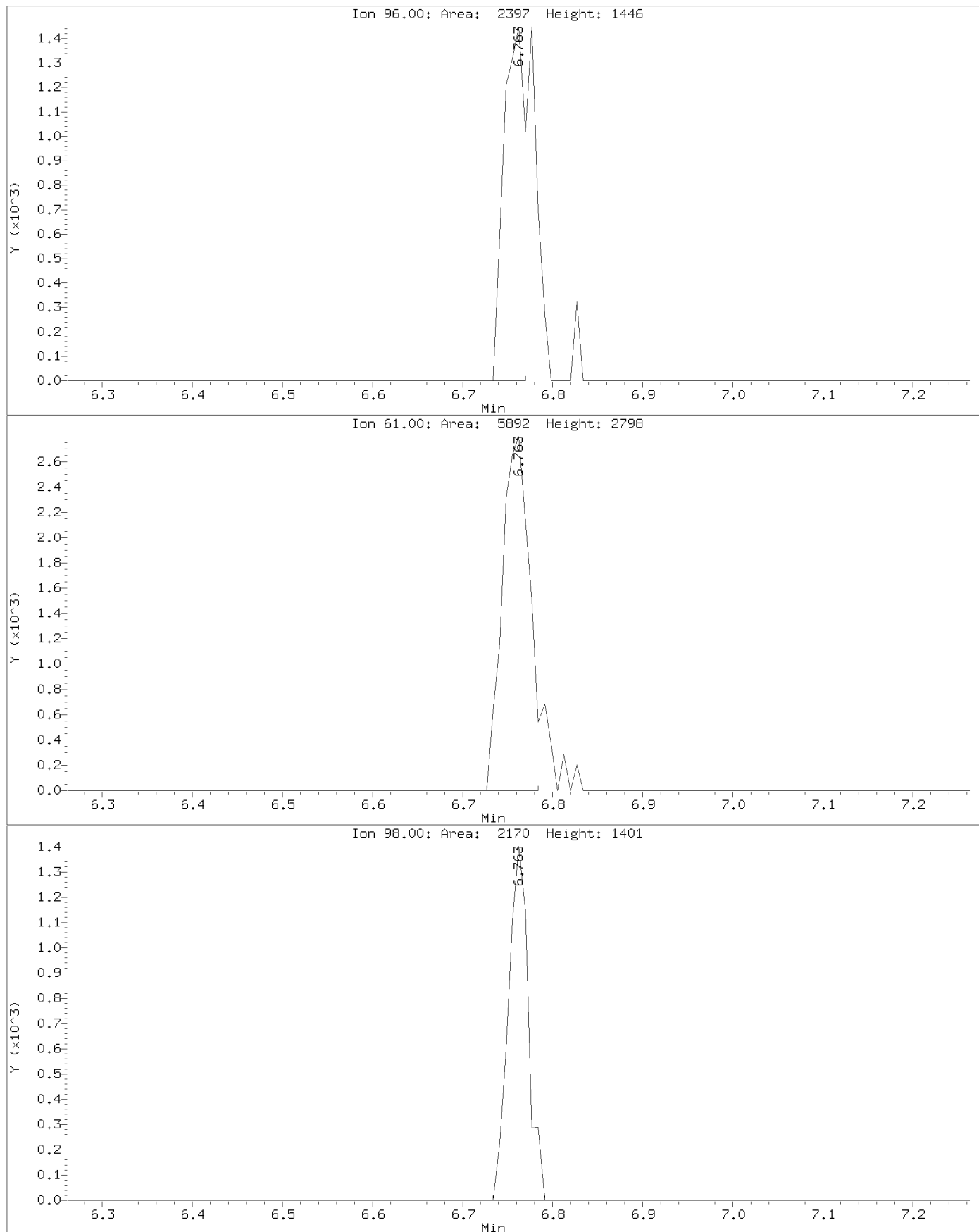
Concentration: 0.84 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\0041415.b\C2291.D
Injection Date: 14-APR-2015 18:46
Instrument: gcms-c.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

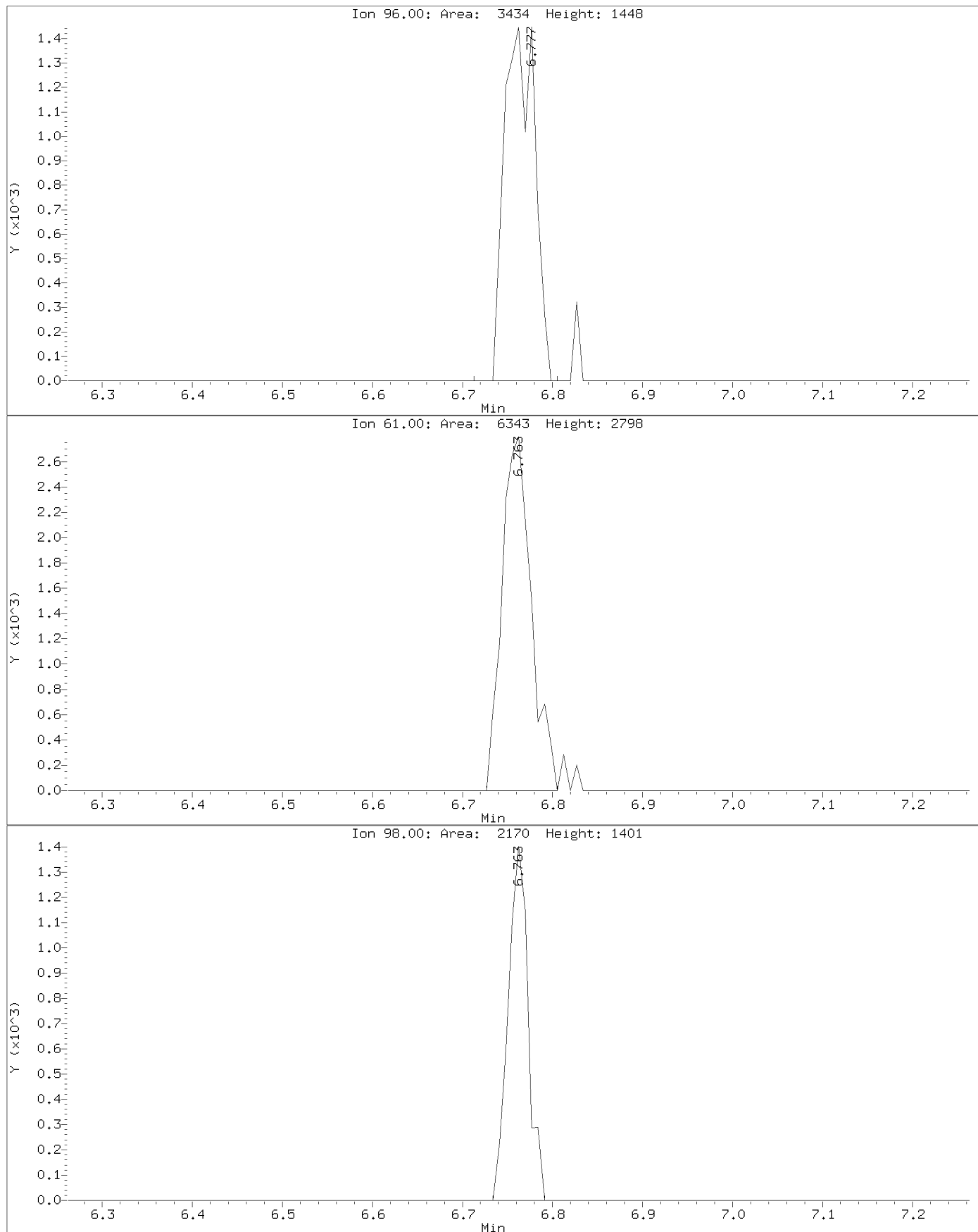
Compound: cis-1,2-Dichloroethene
CAS Number: 156-59-2



Data File: \\target_server\gg\chem\gcms-c.i\0041415.b\C2291.D
Injection Date: 14-APR-2015 18:46
Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

Compound: cis-1,2-Dichloroethene
CAS Number: 156-59-2



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-6

Client ID: AOC9-MW06LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2292.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	J	0.47	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	J	0.75	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.76	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-6

Client ID: AOC9-MW06LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2292.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 14-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161195

Analysis Date: 14-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		115.	%					
Toluene-d8		108.	%					
P-Bromofluorobenzene		95.7	%					
Dibromofluoromethane		105.	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041415.b\C2292.D
Report Date: 23-Apr-2015 07:59

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041415.b\C2292.D
Lab Smp Id: SI2201-6
Inj Date : 14-APR-2015 19:21 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-6
Misc Info : WG161195, WG160924-4
Comment : SW846 5030
Method : \\TARGET_SERVER\GG\chem\gcms-c.i\C041415.b\C826A36.m
Meth Date : 22-Apr-2015 15:09 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG					CONCENTRATIONS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
10 Carbon Disulfide	76	3.779	3.780	(0.470)	4358	0.47012	0.47(a)	
12 Iodomethane	142	3.951	3.952	(0.491)	1662	0.44998	0.45(a)	
29 cis-1,2-Dichloroethene	96	6.760	6.761	(0.841)	2860	0.75300	0.75(aM)	M9
M 30 1,2-Dichloroethylene (total)	96				2860	0.75300	0.75(a)	
\$ 37 Dibromofluoromethane	113	7.403	7.405	(0.921)	146072	52.5638	52.6	
* 42 Pentafluorobenzene	168	8.039	8.041	(1.000)	277011	50.0000		
\$ 45 1,2-Dichloroethane-D4	65	8.089	8.090	(1.006)	213218	57.3461	57.3	
48 Trichloroethene	95	8.654	8.648	(0.995)	3133	0.75775	0.76(a)	
* 49 1,4-Difluorobenzene	114	8.697	8.698	(1.000)	482153	50.0000		
\$ 55 Toluene-D8	98	10.320	10.321	(1.187)	479621	54.2443	54.2	
* 66 Chlorobenzene-D5	117	12.185	12.187	(1.000)	488143	50.0000		
\$ 76 P-Bromofluorobenzene	95	13.836	13.838	(1.591)	222564	47.8388	47.8	
* 91 1,4-Dichlorobenzene-D4	152	15.516	15.518	(1.000)	289367	50.0000		

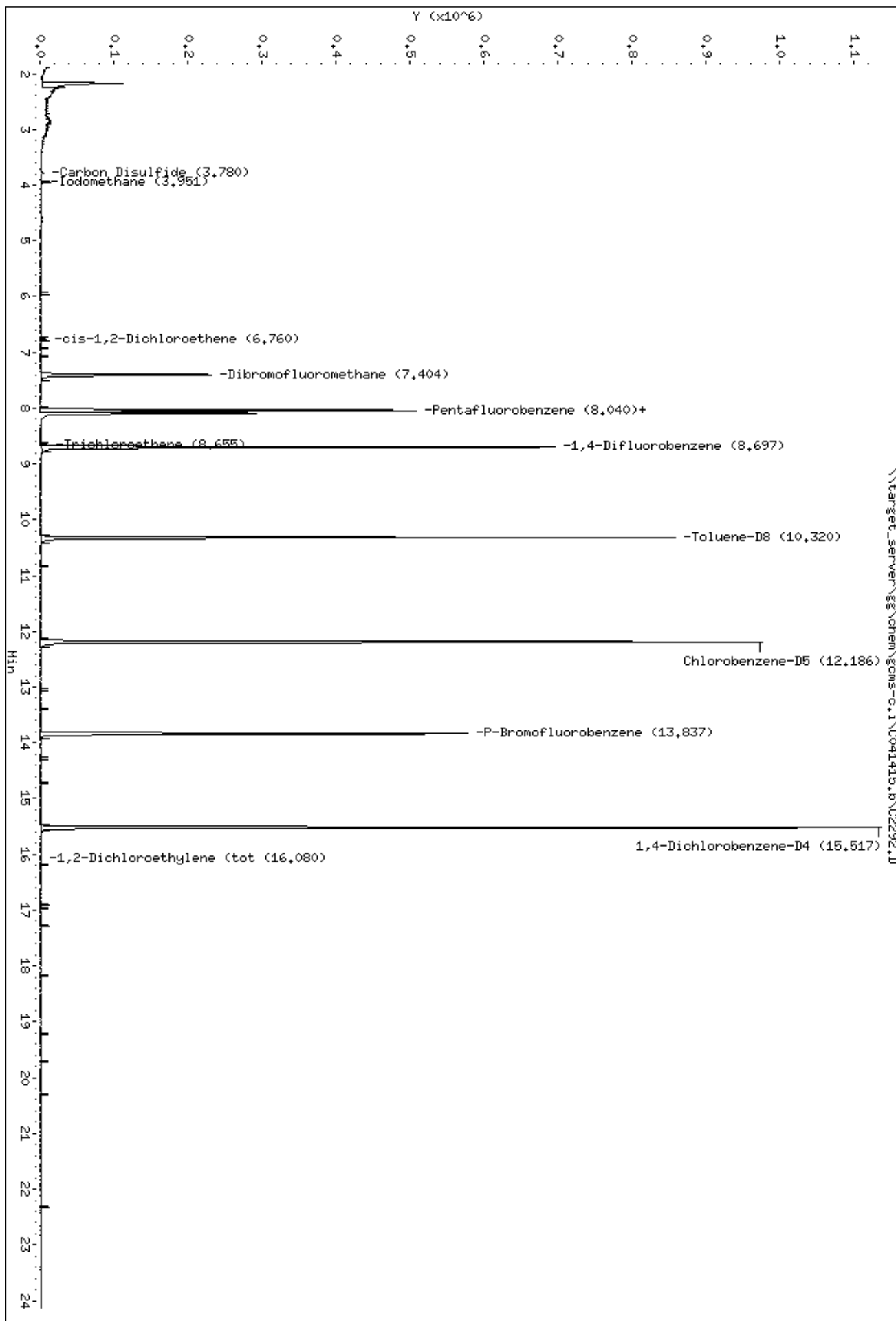
REC
8:17 am, Apr 23, 2015

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: \\target_server\gs\chem\goms-c.i\CO41415.b\CO2292.D
Date : 14-APR-2015 19:21
Client ID:
Sample Info: SI2201-6

Instrument: goms-c.i



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Date : 14-APR-2015 19:21

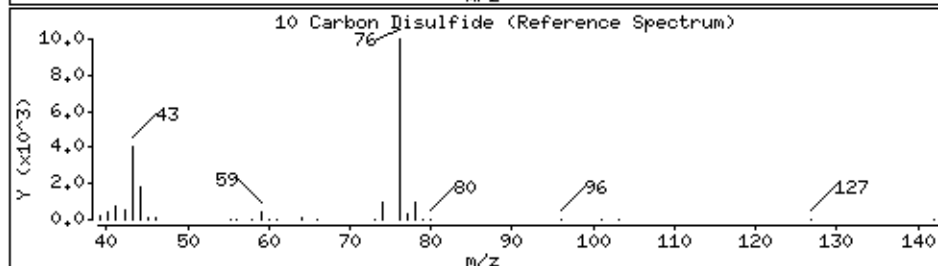
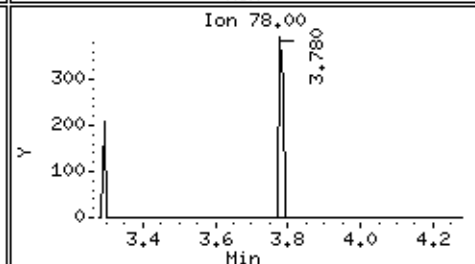
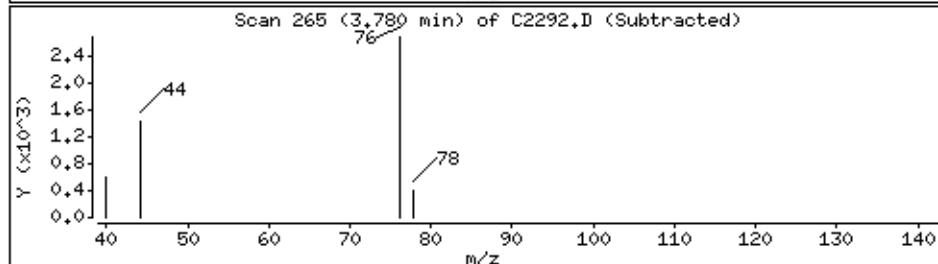
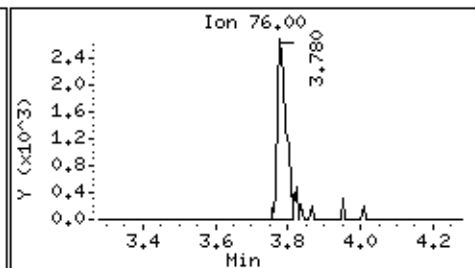
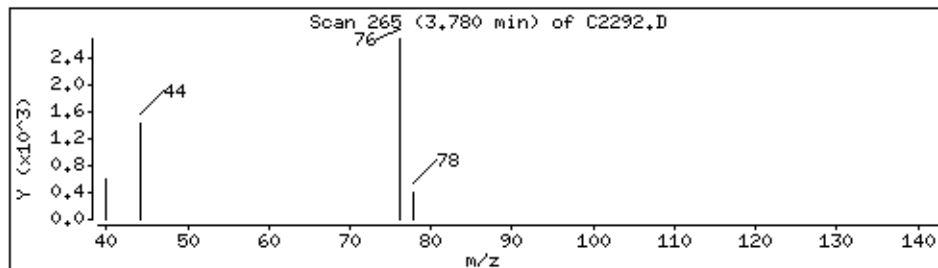
Client ID:

Instrument: gcms-c.i

Sample Info: SI2201-6

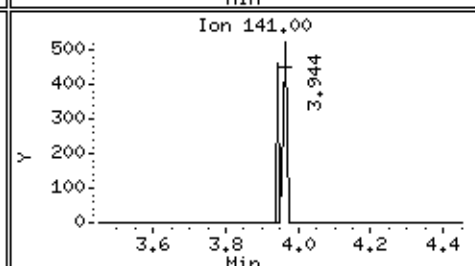
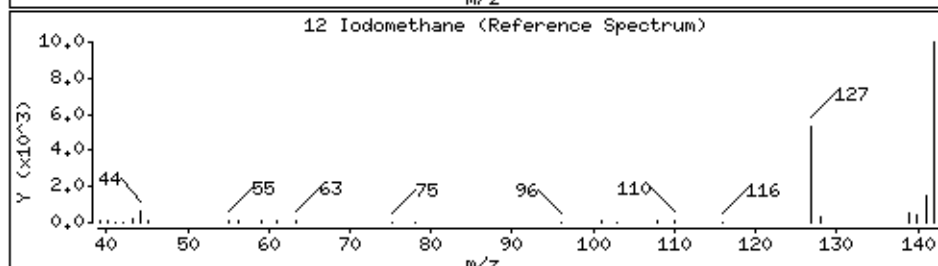
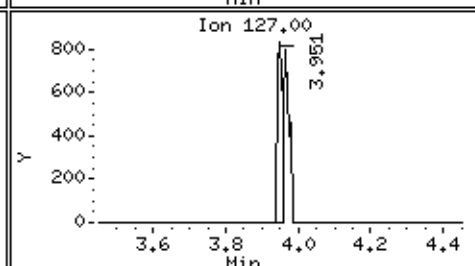
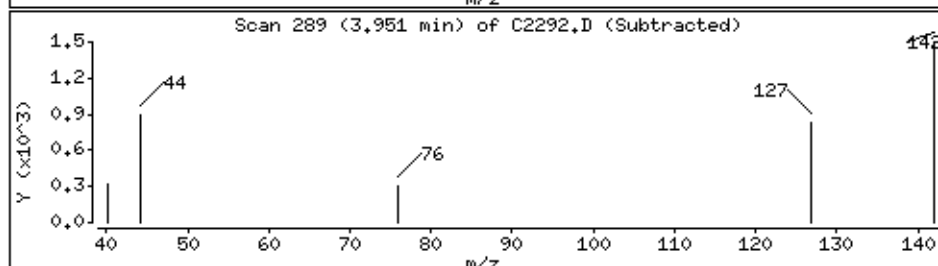
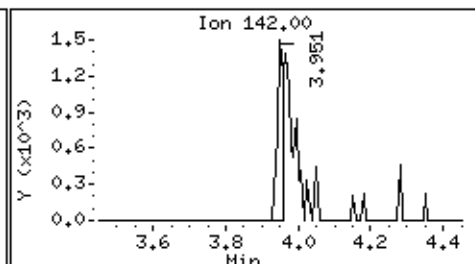
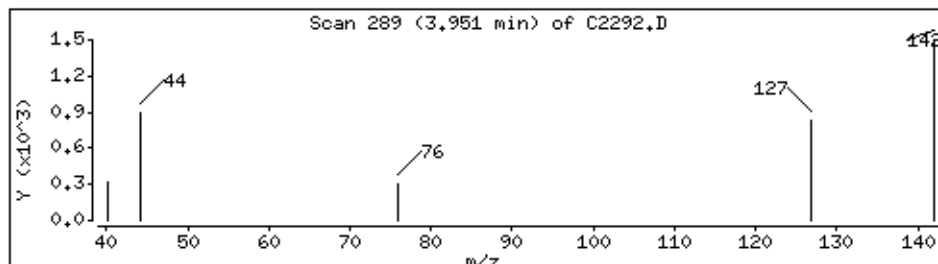
10 Carbon Disulfide

Concentration: 0.47 ug/l



12 Iodomethane

Concentration: 0.45 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041415,b\C2292.D

Date : 14-APR-2015 19:21

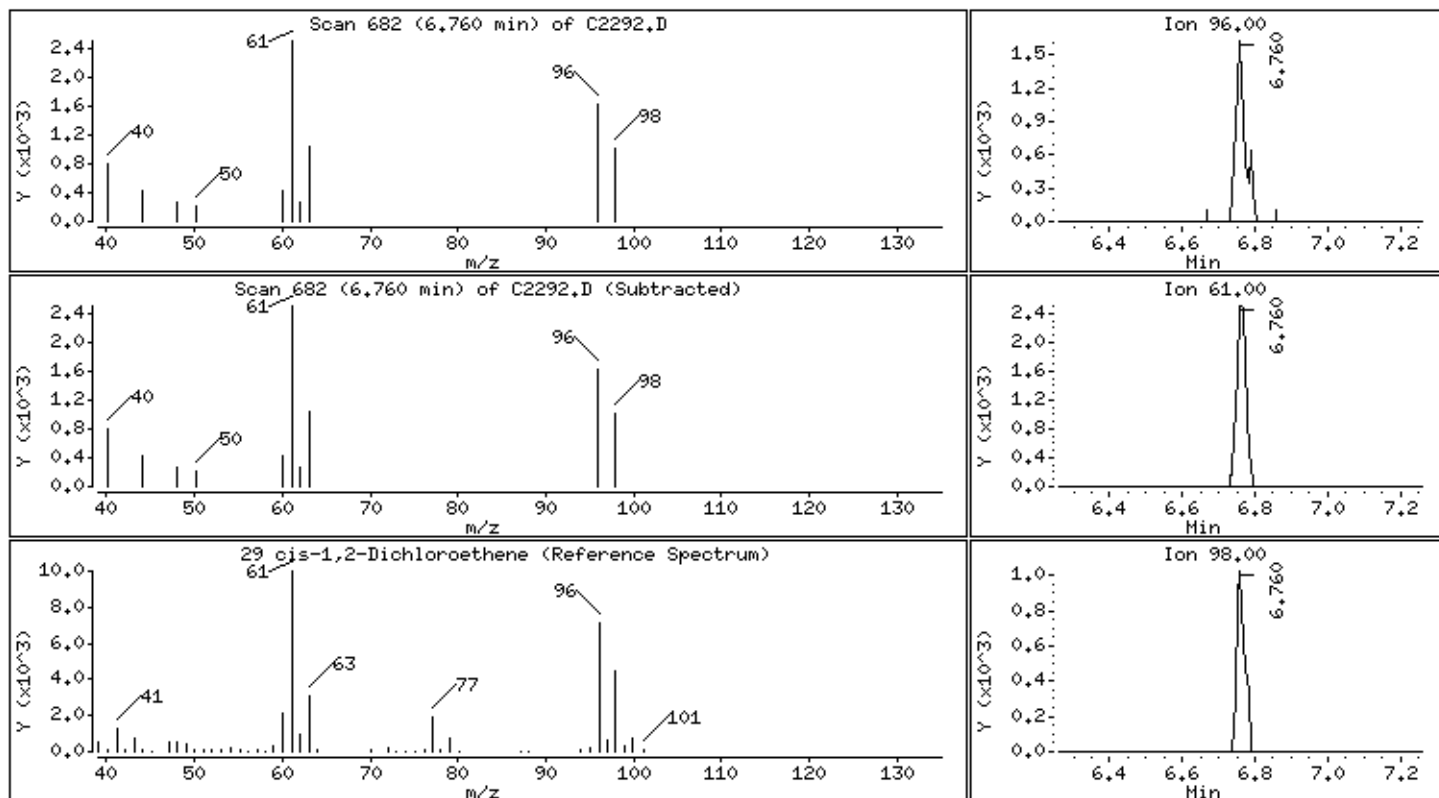
Client ID:

Instrument: gcms-c.i

Sample Info: SI2201-6

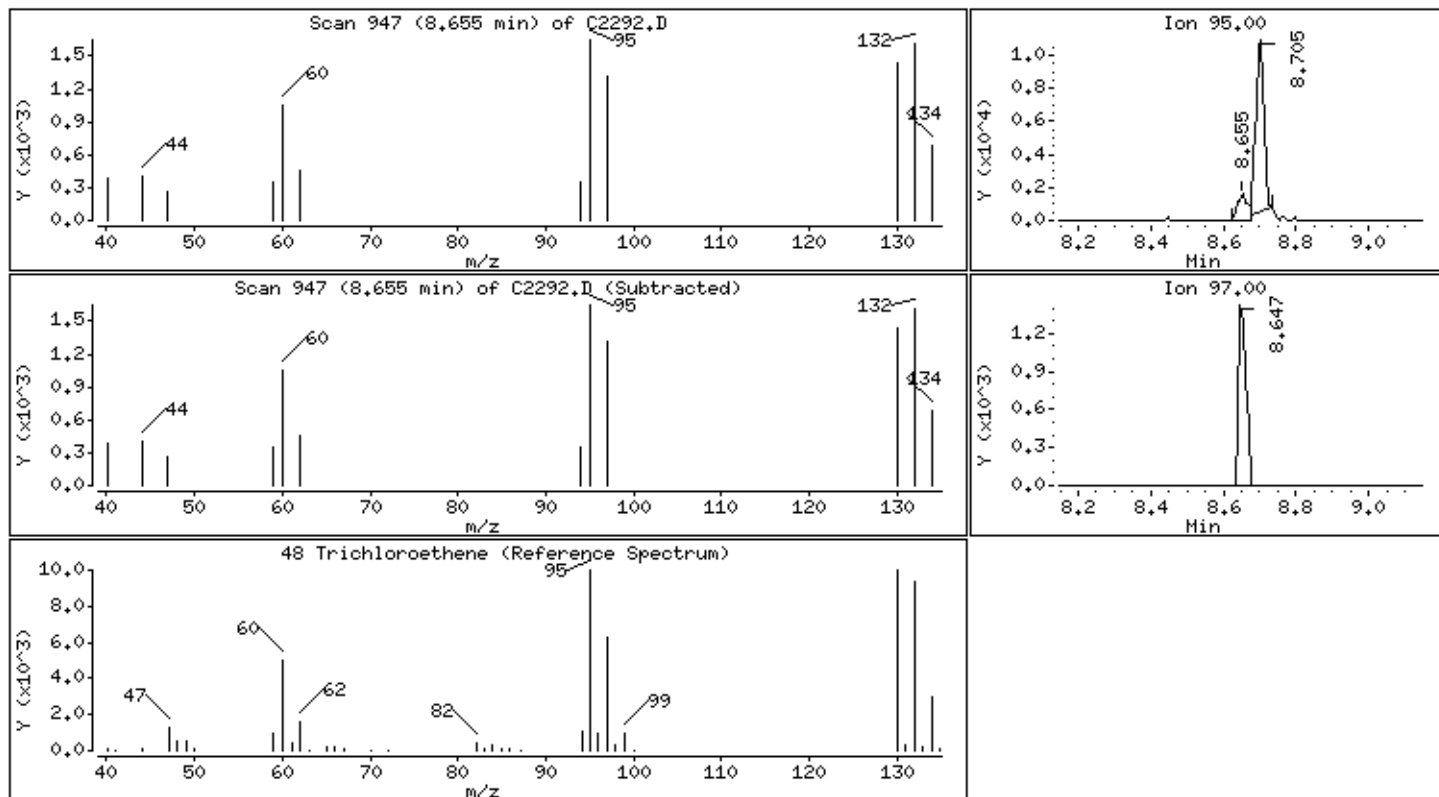
29 cis-1,2-Dichloroethene

Concentration: 0.75 ug/l



48 Trichloroethene

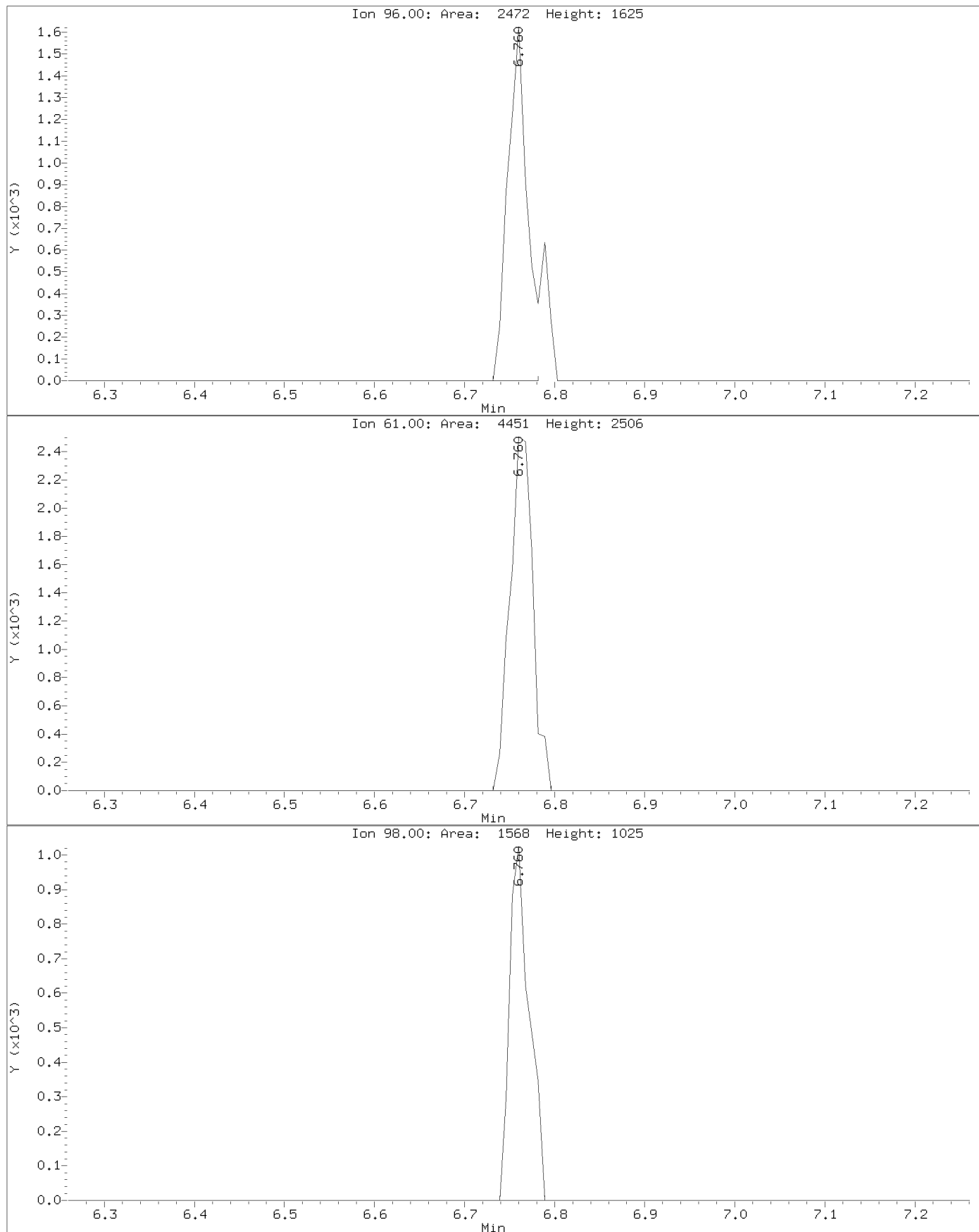
Concentration: 0.76 ug/l



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Injection Date: 14-APR-2015 19:21
Instrument: gcms-c.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

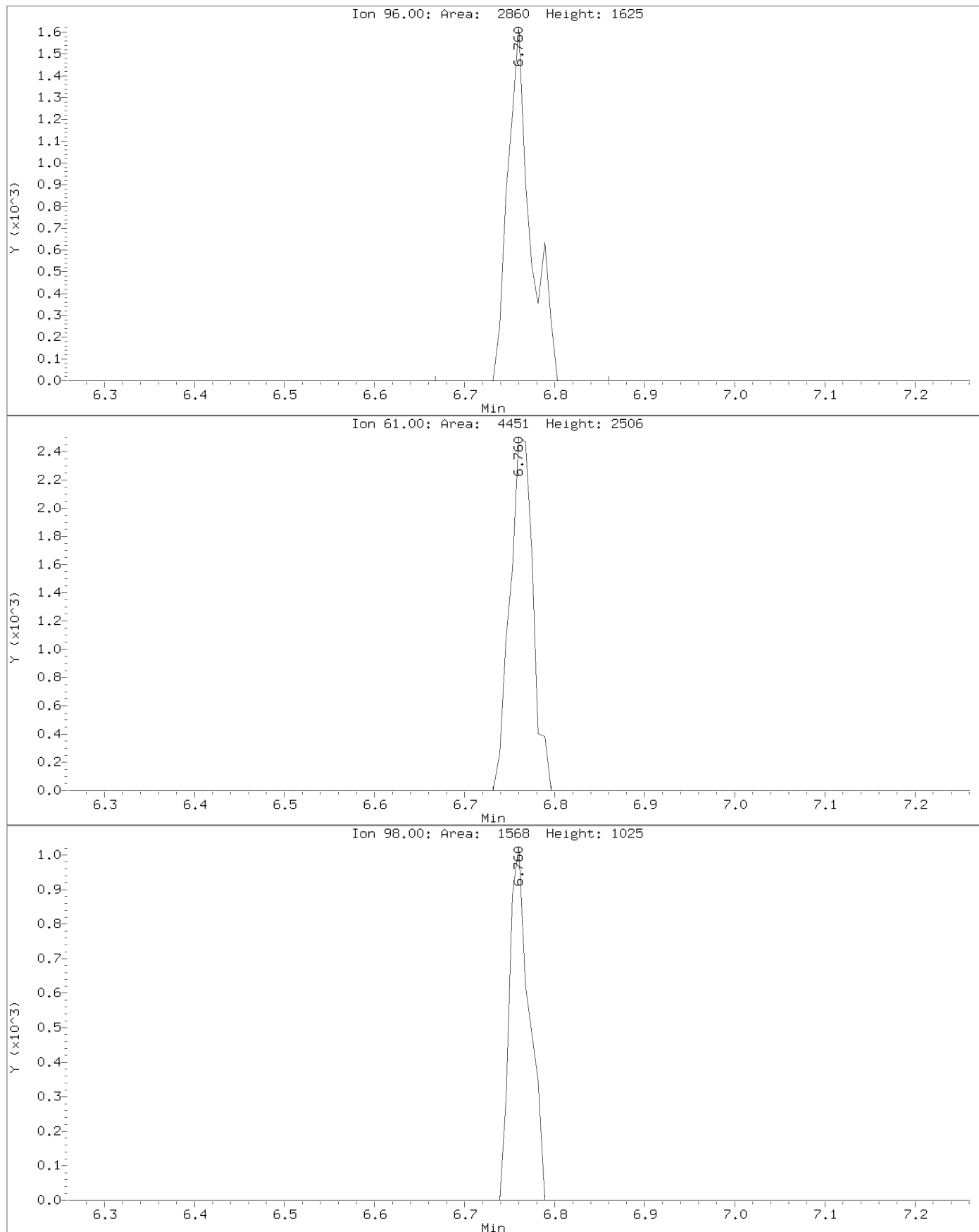
Compound: cis-1,2-Dichloroethene
CAS Number: 156-59-2



Data File: \\target_server\gg\chem\gcms-c.i\0041415.b\C2292.D
Injection Date: 14-APR-2015 19:21
Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

Compound: cis-1,2-Dichloroethene
CAS Number: 156-59-2



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-7

Client ID: G009-MW02LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2315.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	UL	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	UL	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.29	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-7

Client ID: G009-MW02LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2315.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		112.	%					
Toluene-d8		106.	%					
P-Bromofluorobenzene		97.0	%					
Dibromofluoromethane		101.	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2315.D
Report Date: 22-Apr-2015 15:19

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041515.b\C2315.D
Lab Smp Id: SI2201-7 Client Smp ID: G009-MW02LTM040715
Inj Date : 15-APR-2015 18:47 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-7
Misc Info : WG161248,WG160924-4
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041515.b\C826A36.m
Meth Date : 22-Apr-2015 15:13 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Compound Sublist: all.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

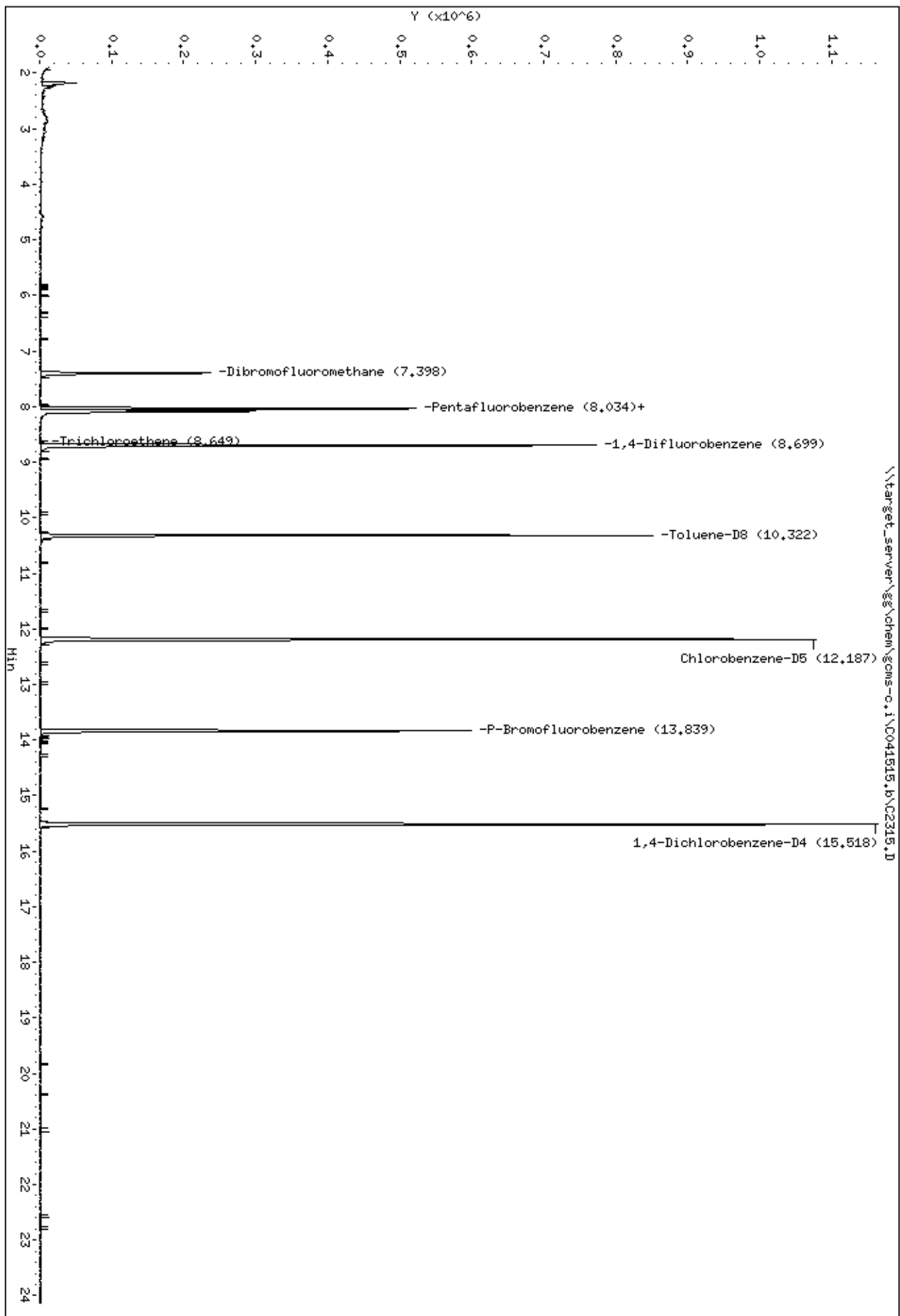
Compounds	QUANT SIG	CONCENTRATIONS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 37 Dibromofluoromethane	113	7.398	7.405	(0.920)	149896	50.7470	50.7	
* 42 Pentafluorobenzene	168	8.041	8.041	(1.000)	294440	50.0000		
\$ 45 1,2-Dichloroethane-D4	65	8.084	8.090	(1.005)	220770	55.8625	55.9	
48 Trichloroethene	95	8.649	8.648	(0.994)	1290	0.28933	0.29(a)	
* 49 1,4-Difluorobenzene	114	8.699	8.698	(1.000)	519925	50.0000		
\$ 55 Toluene-D8	98	10.321	10.321	(1.187)	506331	53.1049	53.1	
* 66 Chlorobenzene-D5	117	12.187	12.187	(1.000)	531671	50.0000		
\$ 76 P-Bromofluorobenzene	95	13.831	13.838	(1.590)	243324	48.5014	48.5	
* 91 1,4-Dichlorobenzene-D4	152	15.518	15.518	(1.000)	318231	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\target_server\gs\chem\goms-c.i\CO41515.b\CO2315.D
Date : 15-APR-2015 18:47
Client ID: G009-HW02LTH040715
Sample Info: SI2201-7

Instrument: goms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C041515,b\C2315.D

Date : 15-APR-2015 18:47

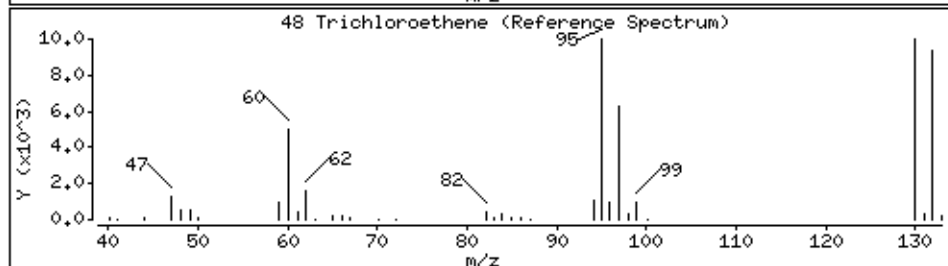
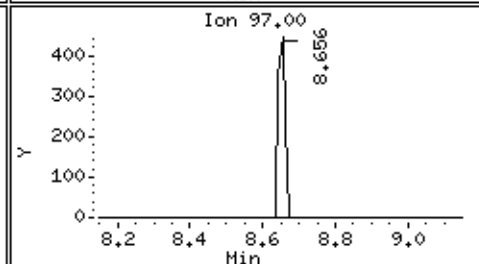
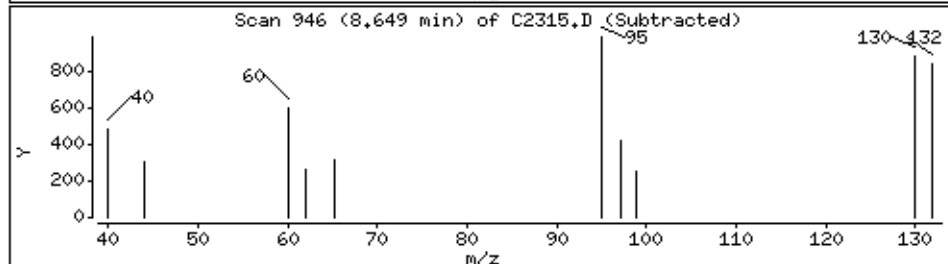
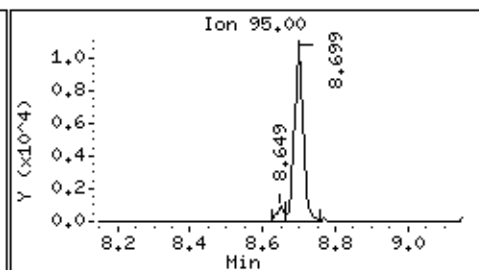
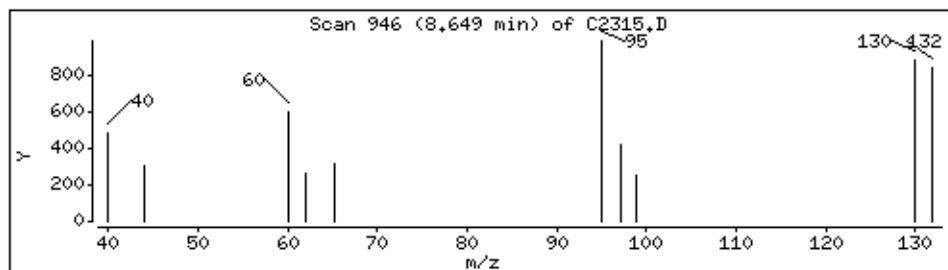
Client ID: G009-MW02LTH040715

Instrument: gcms-c.i

Sample Info: SI2201-7

48 Trichloroethene

Concentration: 0.29 ug/l



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-8

Client ID: G009-MW01LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2316.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	UL	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	UL	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.40	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-8

Client ID: G009-MW01LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2316.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		108.	%					
Toluene-d8		106.	%					
P-Bromofluorobenzene		94.4	%					
Dibromofluoromethane		97.9	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2316.D
Report Date: 22-Apr-2015 15:19

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041515.b\C2316.D
Lab Smp Id: SI2201-8 Client Smp ID: G009-MW01LTM040715
Inj Date : 15-APR-2015 19:21 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-8
Misc Info : WG161248,WG160924-4
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041515.b\C826A36.m
Meth Date : 22-Apr-2015 15:13 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Compound Sublist: all.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

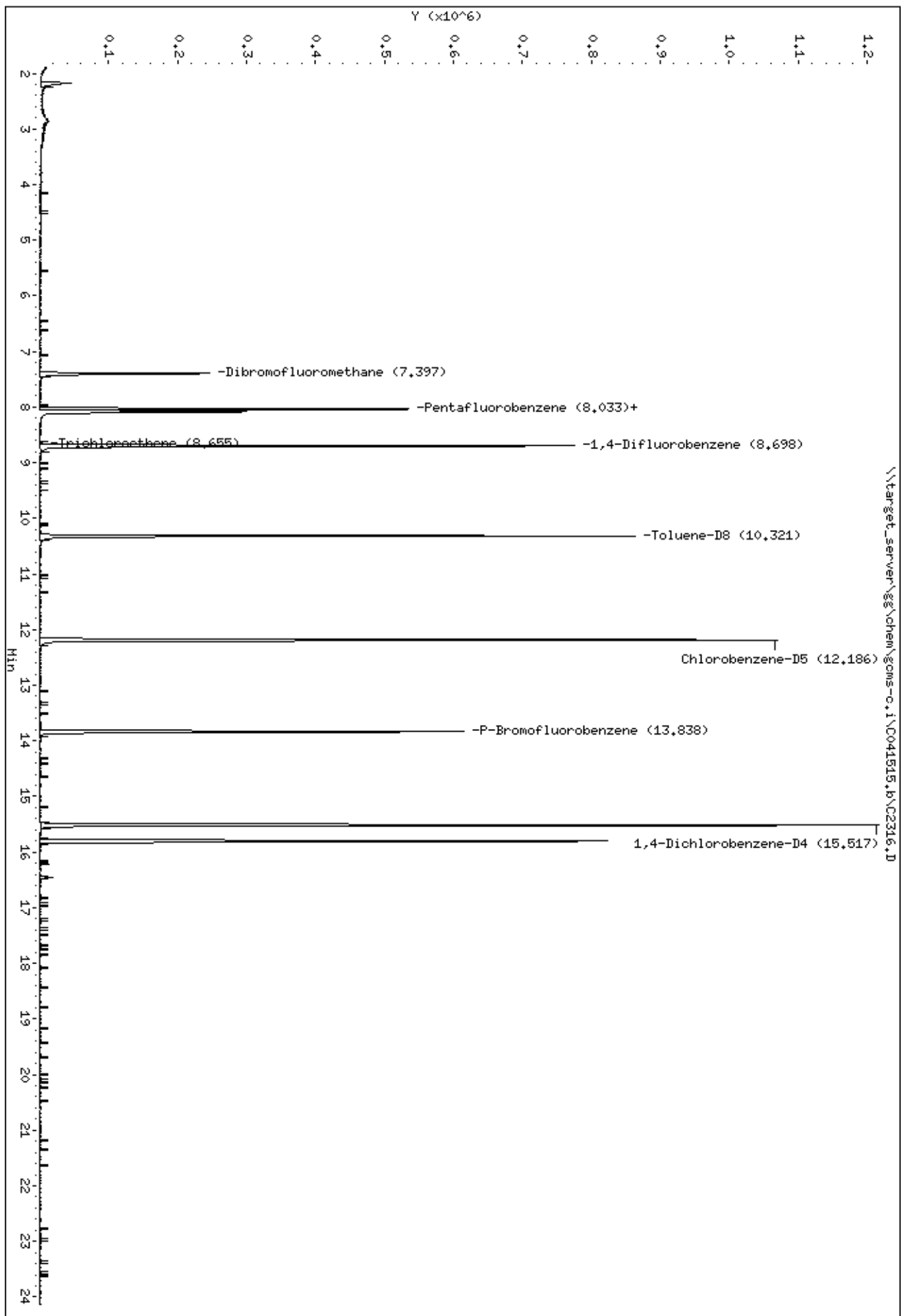
Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW CODE
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL		
	MASS						(ug/l)	(ug/l)		
\$ 37 Dibromofluoromethane	113		7.397	7.405	(0.920)	150181	48.9642	49.0		
* 42 Pentafluorobenzene	168		8.040	8.041	(1.000)	305741	50.0000			
\$ 45 1,2-Dichloroethane-D4	65		8.090	8.090	(1.006)	221178	53.8971	53.9		
48 Trichloroethene	95		8.662	8.648	(0.996)	1773	0.39681	0.40(a)		
* 49 1,4-Difluorobenzene	114		8.698	8.698	(1.000)	521053	50.0000			
\$ 55 Toluene-D8	98		10.320	10.321	(1.187)	507339	53.0954	53.1		
* 66 Chlorobenzene-D5	117		12.186	12.187	(1.000)	536896	50.0000			
\$ 76 P-Bromofluorobenzene	95		13.837	13.838	(1.591)	237211	47.1805	47.2		
* 91 1,4-Dichlorobenzene-D4	152		15.517	15.518	(1.000)	317487	50.0000			

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\target_server\gs\chem\gms-c.i\0041515.b\02316.D
Date : 15-APR-2015 19:21
Client ID: 6009-HW01LTH040715
Sample Info: S12201-8

Instrument: gms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2316.D

Date : 15-APR-2015 19:21

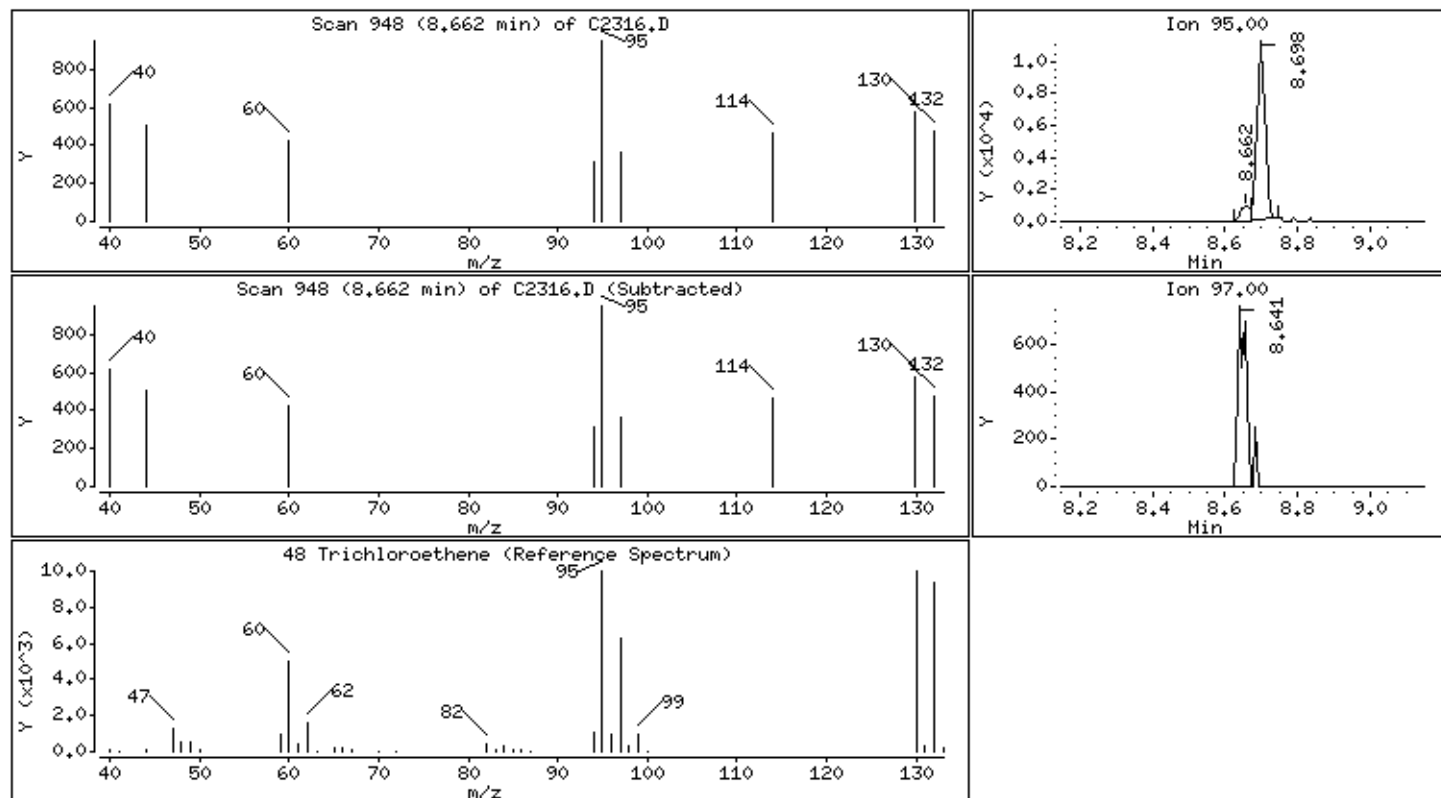
Client ID: G009-MW01LTH040715

Instrument: gcms-c.i

Sample Info: SI2201-8

48 Trichloroethene

Concentration: 0.40 ug/l



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-9

Client ID: AOC9-MW17LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2317.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	UL	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	JL	1.1	ug/L	1	2	2.0	0.25	1.0
Bromomethane	UL	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.6	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	J	0.79	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.48	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		16	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		1.8	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-9

Client ID: AOC9-MW17LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2317.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 15-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161248

Analysis Date: 15-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		130	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	J	0.70	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		8.9	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene		44	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		108.	%					
Toluene-d8		104.	%					
P-Bromofluorobenzene		95.1	%					
Dibromofluoromethane		98.7	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2317.D
Report Date: 23-Apr-2015 08:06

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041515.b\C2317.D
Lab Smp Id: SI2201-9 Client Smp ID: AOC9-MW17LTM040715
Inj Date : 15-APR-2015 19:55 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-9
Misc Info : WG161248, WG160924-4
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041515.b\C826A36.m
Meth Date : 22-Apr-2015 15:13 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS		REVIEW CODE
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Vinyl chloride	62	2.322	2.322	(0.289)	5662	1.11174	1.1(M)	M9
29 cis-1,2-Dichloroethene	96	6.761	6.761	(0.841)	10821	2.59620	2.6	
M 30 1,2-Dichloroethylene (total)	96				10821	2.59620	2.6	
\$ 37 Dibromofluoromethane	113	7.397	7.405	(0.920)	150499	49.3507	49.4	
41 Benzene	78	7.905	7.905	(0.909)	11919	0.79288	0.79(aM)	M10
* 42 Pentafluorobenzene	168	8.041	8.041	(1.000)	303989	50.0000		
\$ 45 1,2-Dichloroethane-D4	65	8.084	8.090	(1.005)	219347	53.7590	53.8	
47 1,2-Dichloroethane	62	8.184	8.177	(0.941)	3428	0.47981	0.48(aMH)	M10
48 Trichloroethene	95	8.648	8.648	(0.994)	71571	15.6450	15.6	
* 49 1,4-Difluorobenzene	114	8.698	8.698	(1.000)	533472	50.0000		
\$ 55 Toluene-D8	98	10.314	10.321	(1.186)	508561	51.9843	52.0	
59 Tetrachloroethene	164	10.814	10.821	(0.887)	5935	1.76719	1.8	
* 66 Chlorobenzene-D5	117	12.187	12.187	(1.000)	526100	50.0000		
67 Chlorobenzene	112	12.208	12.208	(1.002)	1372184	127.488	127	
\$ 76 P-Bromofluorobenzene	95	13.838	13.838	(1.591)	244666	47.5304	47.5	
90 1,3-Dichlorobenzene	146	15.396	15.396	(0.992)	5692	0.69607	0.70(a)	
* 91 1,4-Dichlorobenzene-D4	152	15.518	15.518	(1.000)	315609	50.0000		
92 1,4-Dichlorobenzene	146	15.539	15.539	(1.001)	78777	8.86144	8.9	
95 1,2-Dichlorobenzene	146	16.211	16.218	(1.045)	324167	43.8078	43.8	

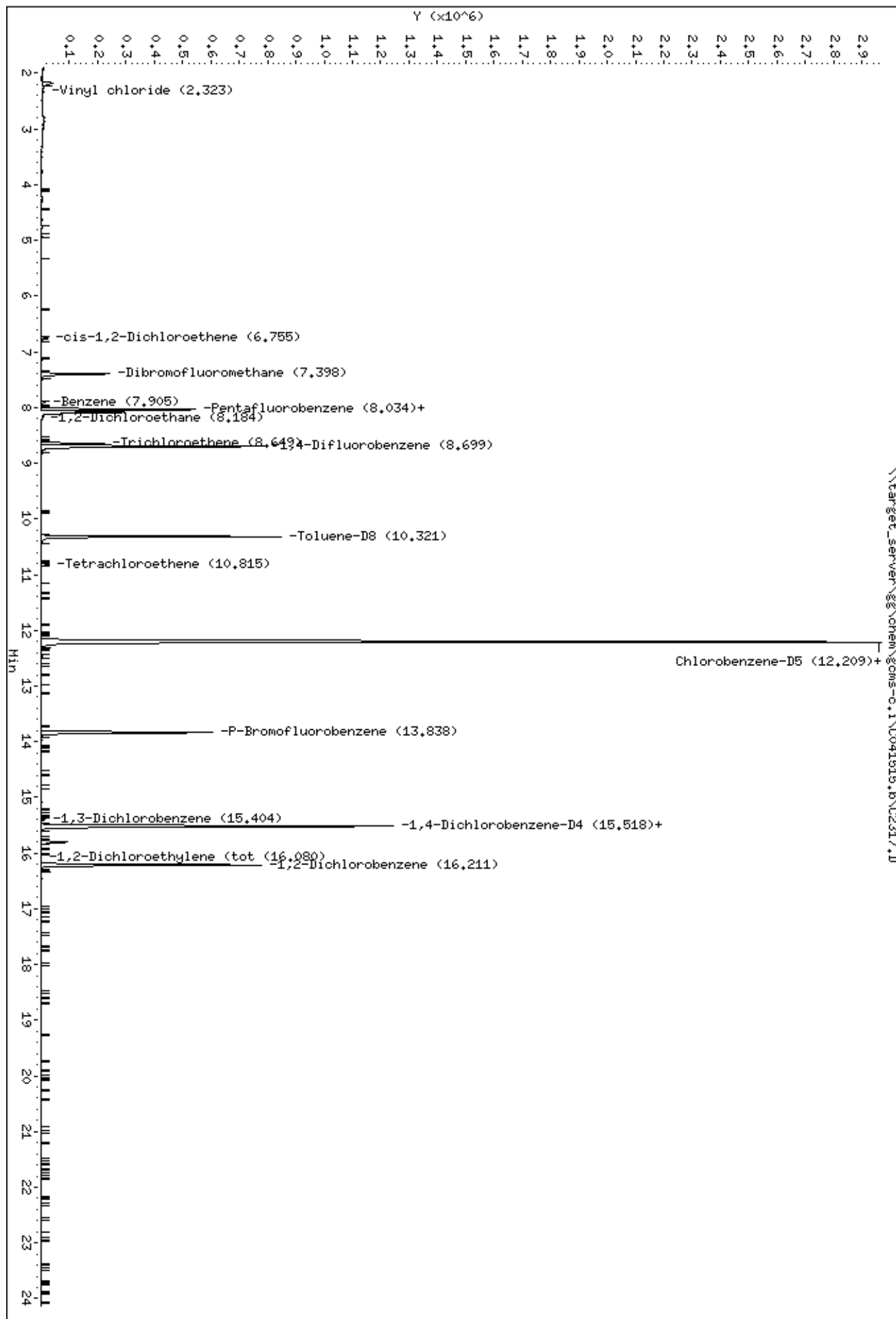
8:17 am, Apr 23, 2015

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

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 Date : 15-APR-2015 19:55
 Client ID: AOC9-HM17LTH040715
 Sample Info: S12201-9

Instrument: goms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C041515,b\C2317.D

Date : 15-APR-2015 19:55

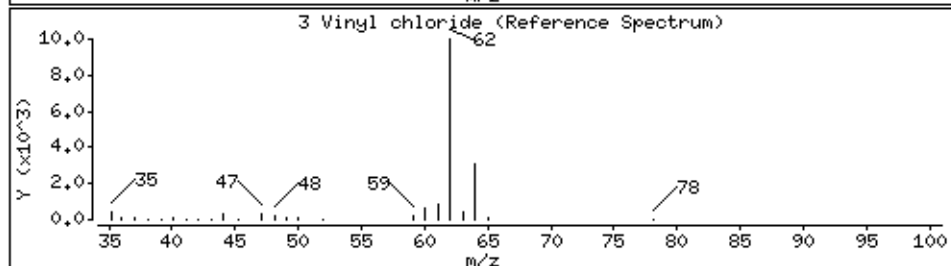
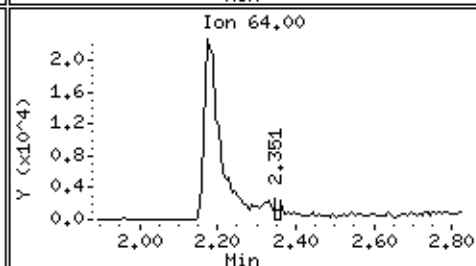
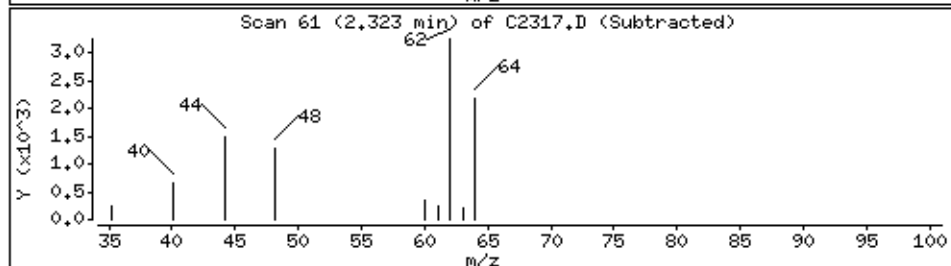
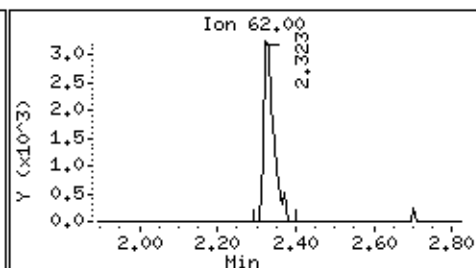
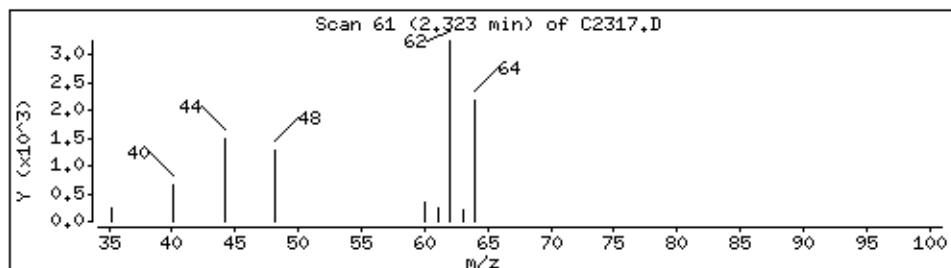
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Instrument: gcms-c.i

Sample Info: SI2201-9

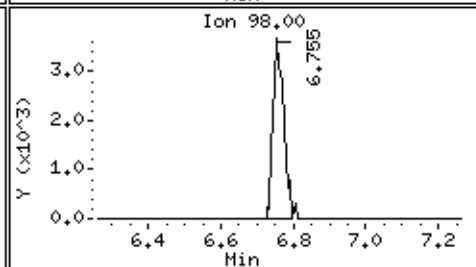
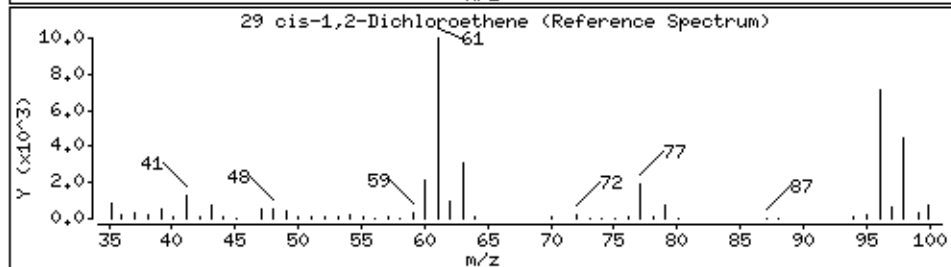
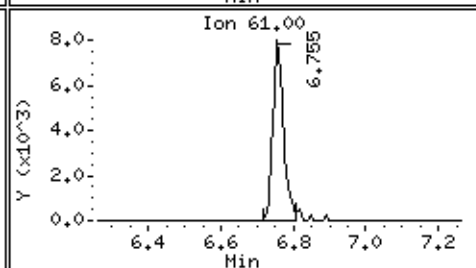
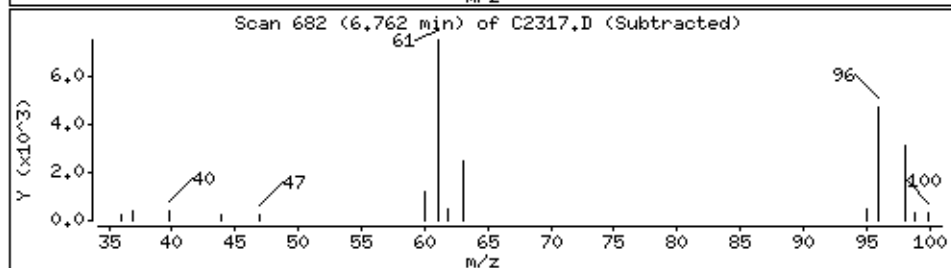
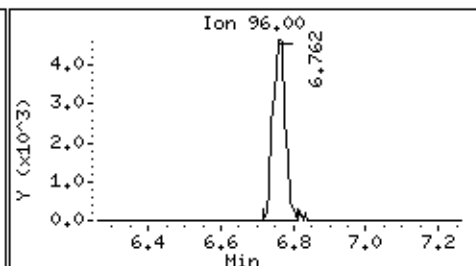
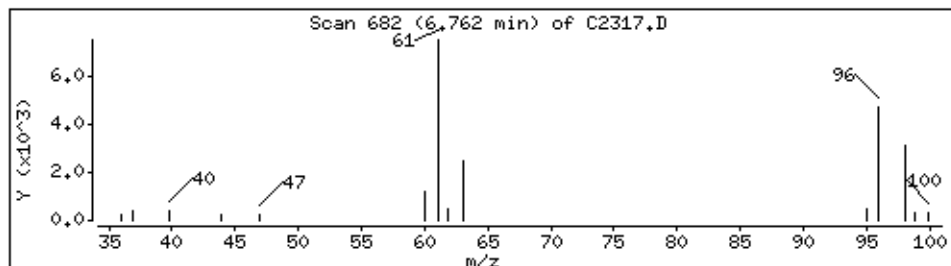
3 Vinyl chloride

Concentration: 1.1 ug/l



29 cis-1,2-Dichloroethene

Concentration: 2.6 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041515,b\C2317.D

Date : 15-APR-2015 19:55

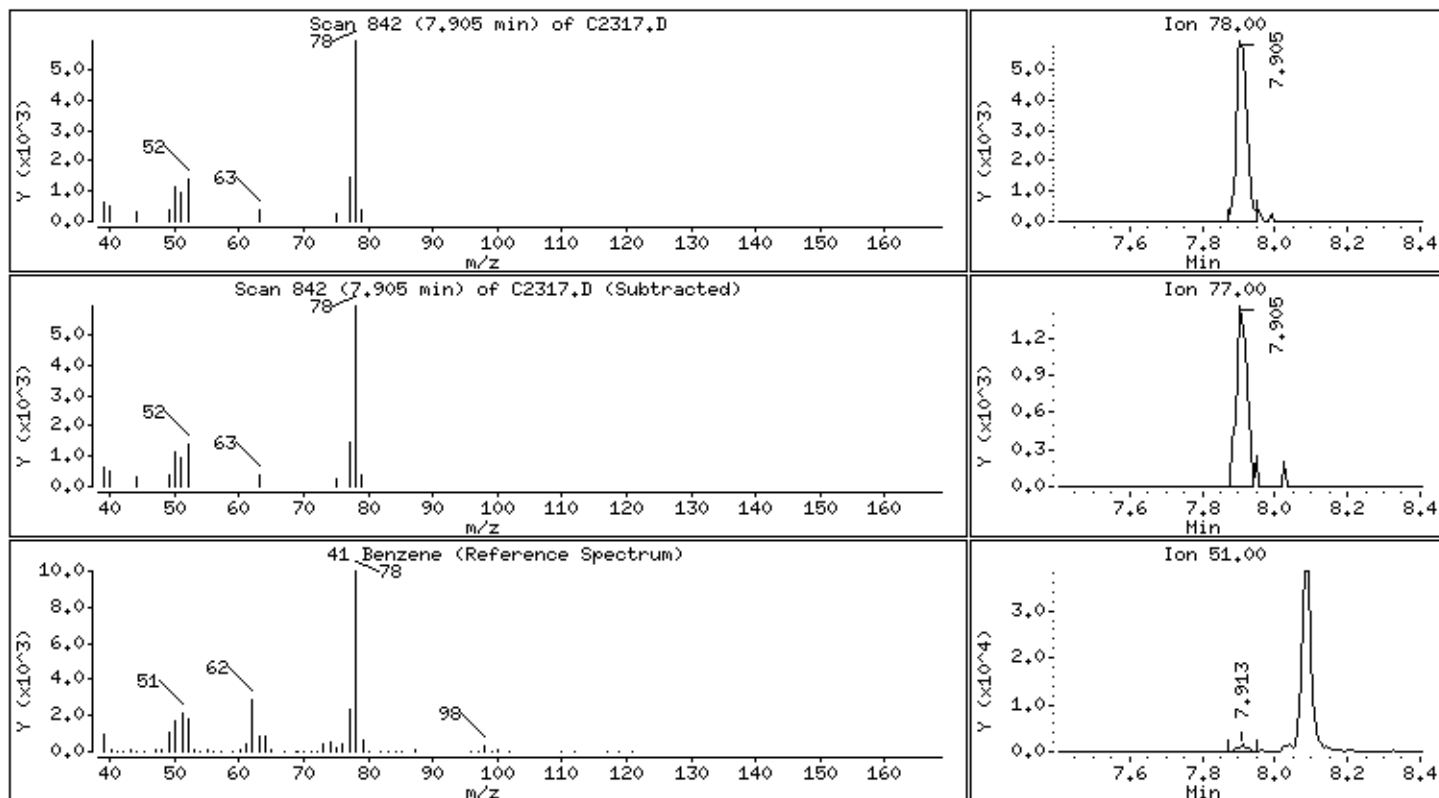
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Instrument: gcms-c.i

Sample Info: SI2201-9

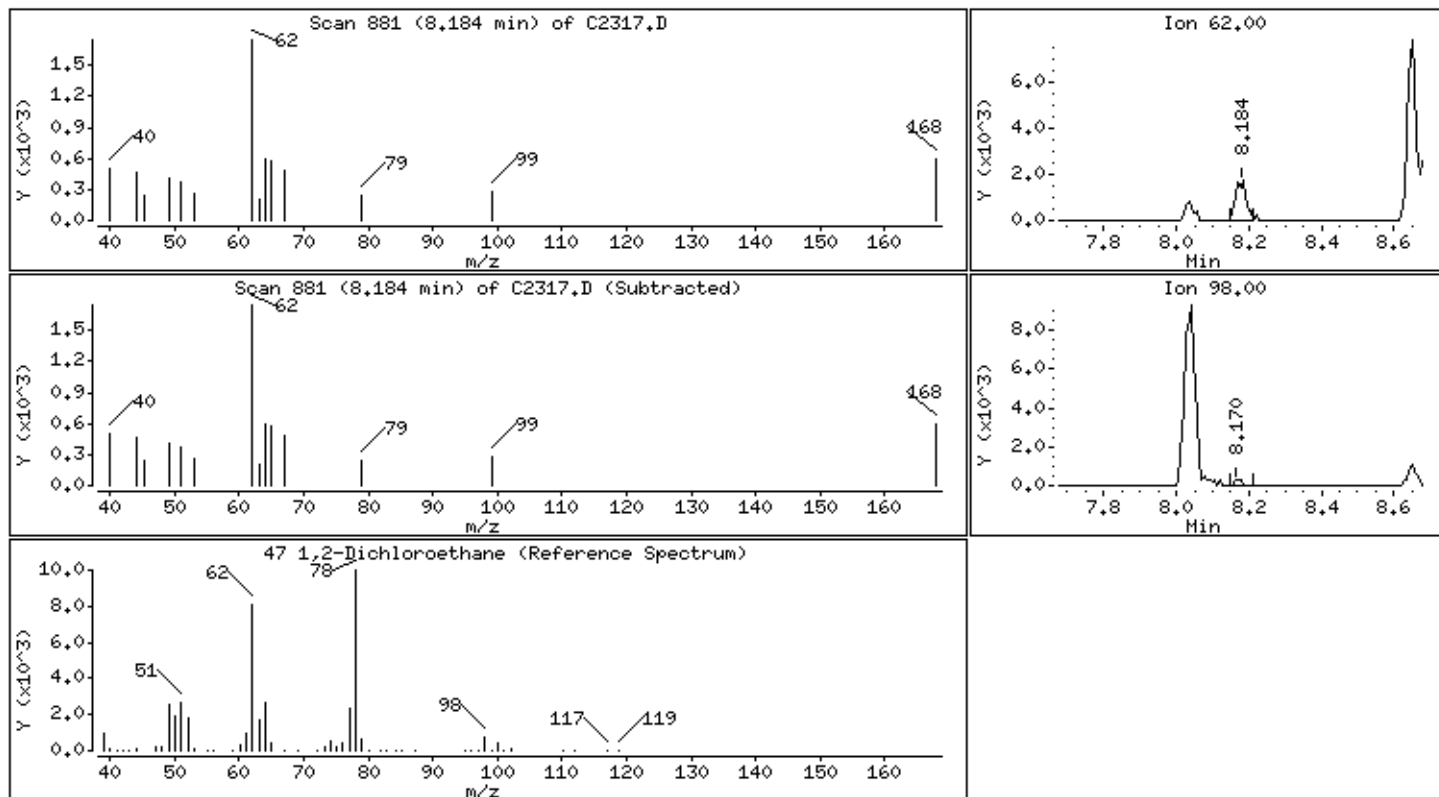
41 Benzene

Concentration: 0.79 ug/l



47 1,2-Dichloroethane

Concentration: 0.48 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2317.D

Date : 15-APR-2015 19:55

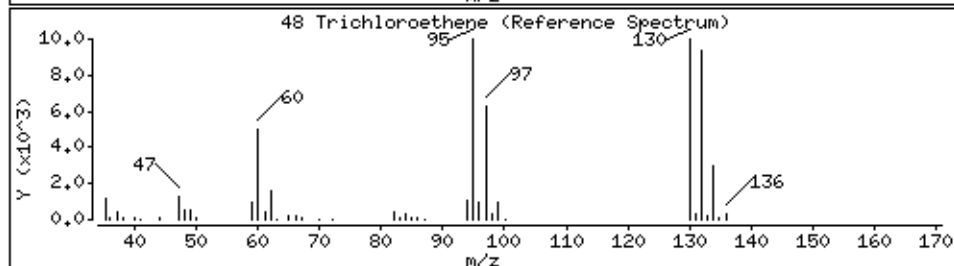
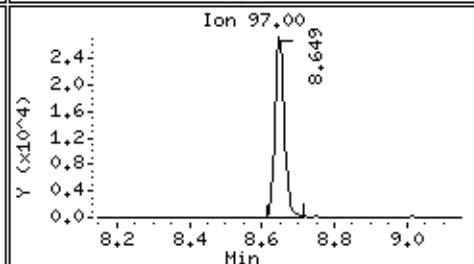
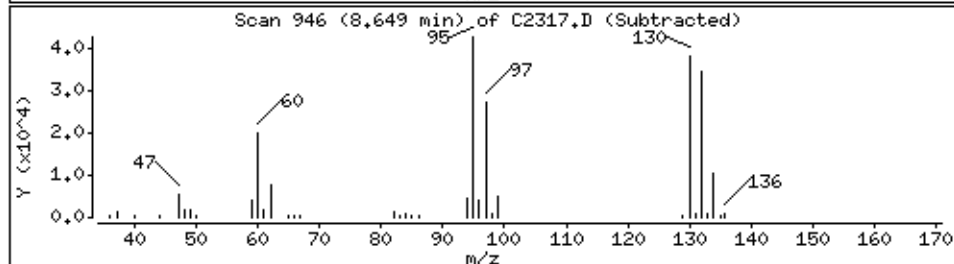
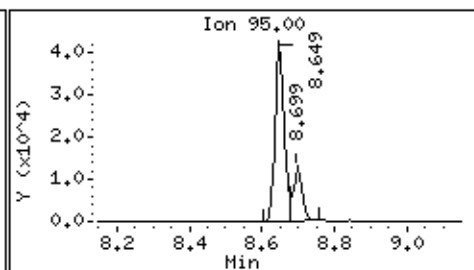
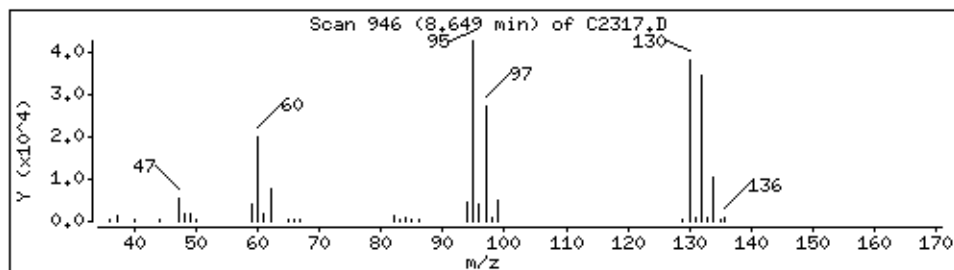
Client ID: AOC9-MW17LTH040715

Instrument: gcms-c.i

Sample Info: SI2201-9

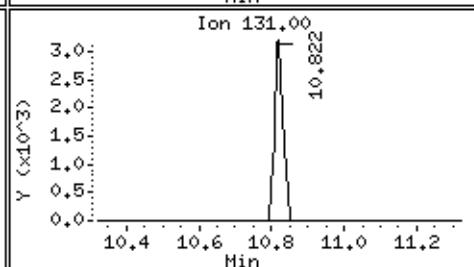
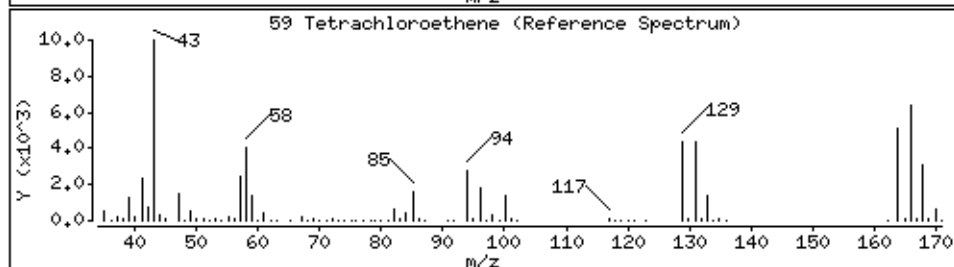
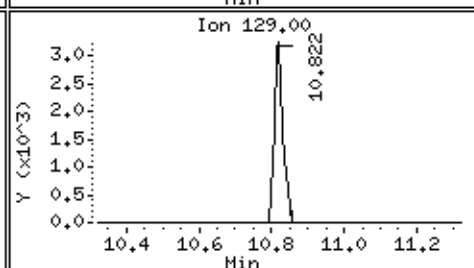
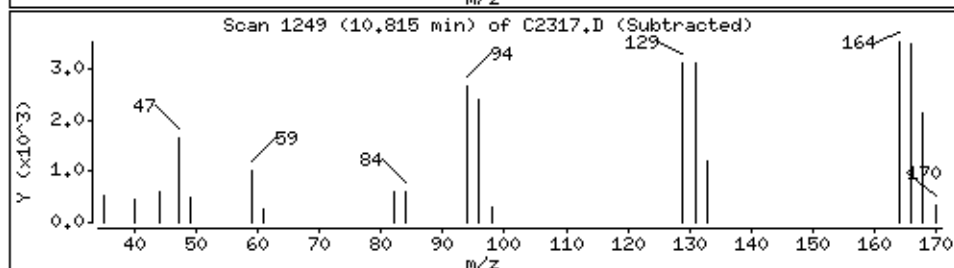
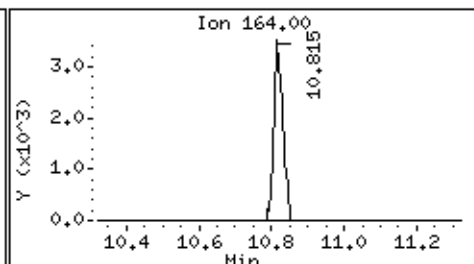
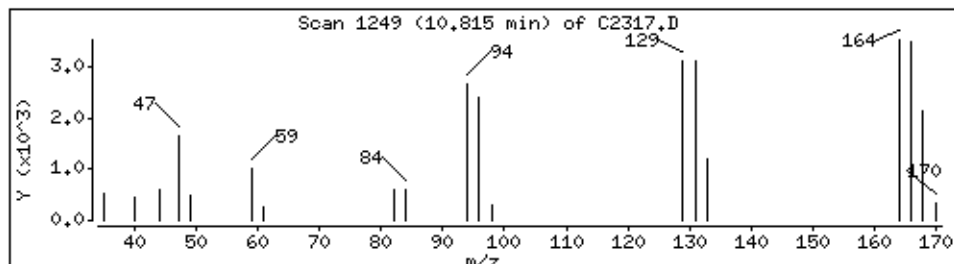
48 Trichloroethene

Concentration: 15.6 ug/l



59 Tetrachloroethene

Concentration: 1.8 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2317.D

Date : 15-APR-2015 19:55

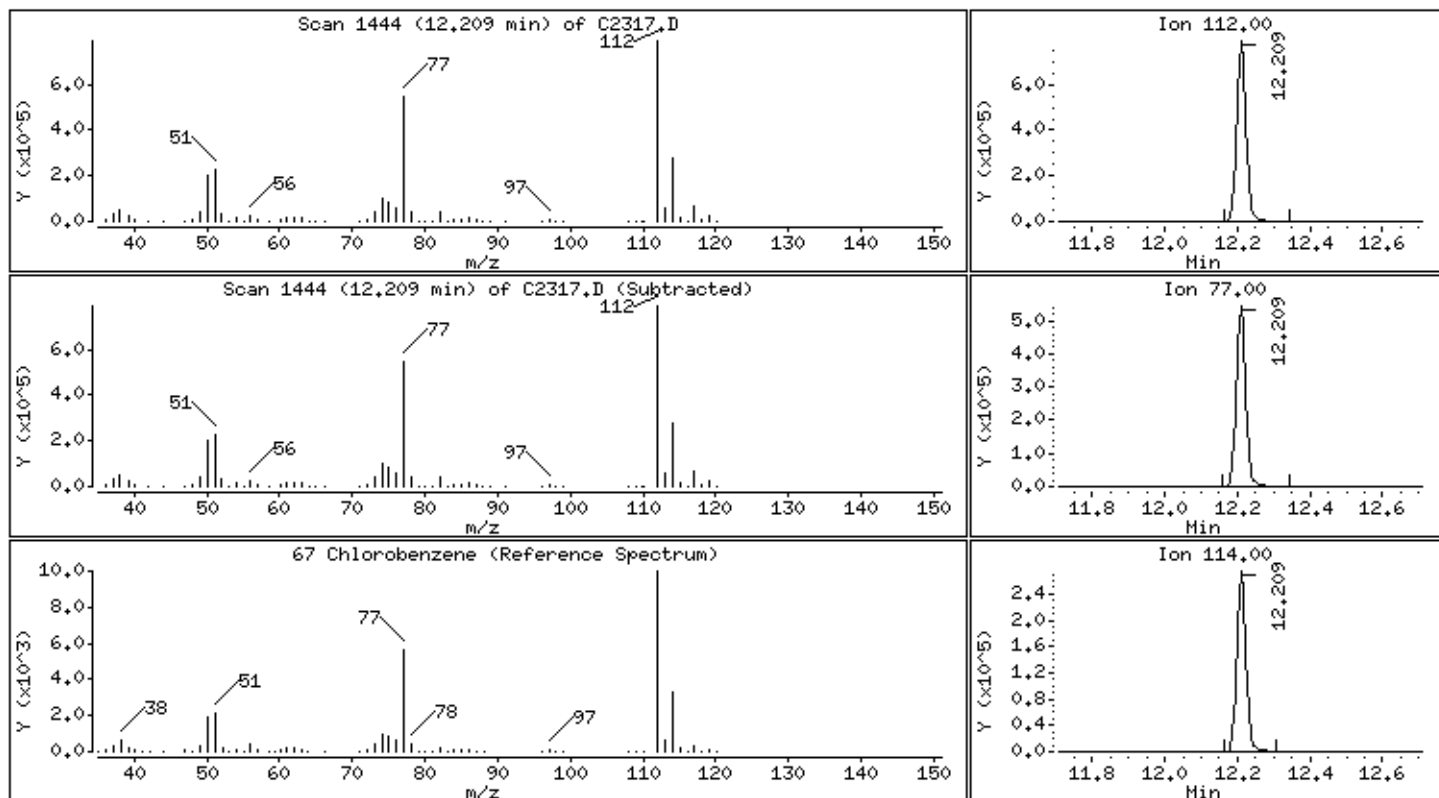
Client ID: AOC9-MW17LTH040715

Instrument: gcms-c.i

Sample Info: SI2201-9

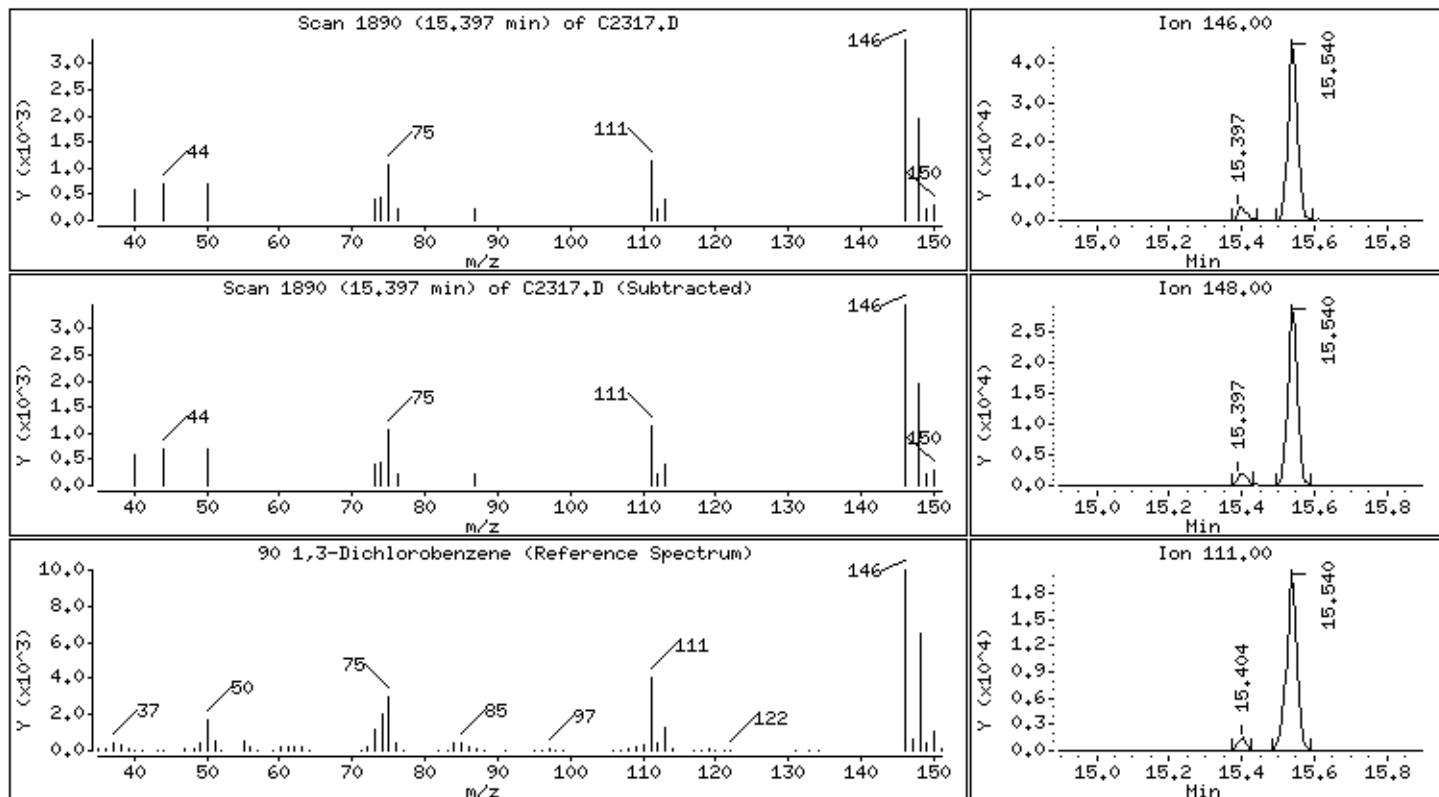
67 Chlorobenzene

Concentration: 127 ug/l



90 1,3-Dichlorobenzene

Concentration: 0.70 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041515,b\C2317.D

Date : 15-APR-2015 19:55

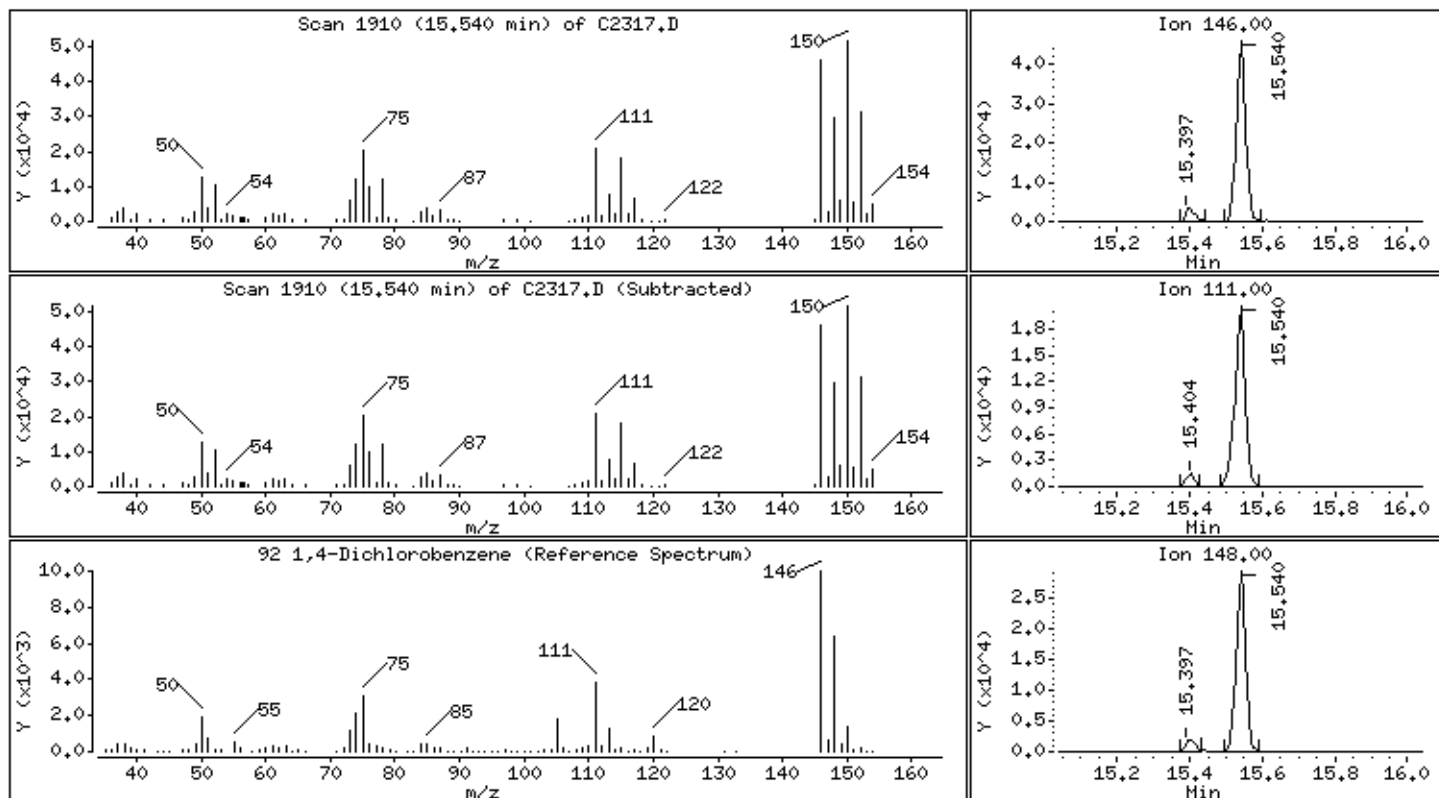
Client ID: AOC9-MW17LTH040715

Instrument: gcms-c.i

Sample Info: SI2201-9

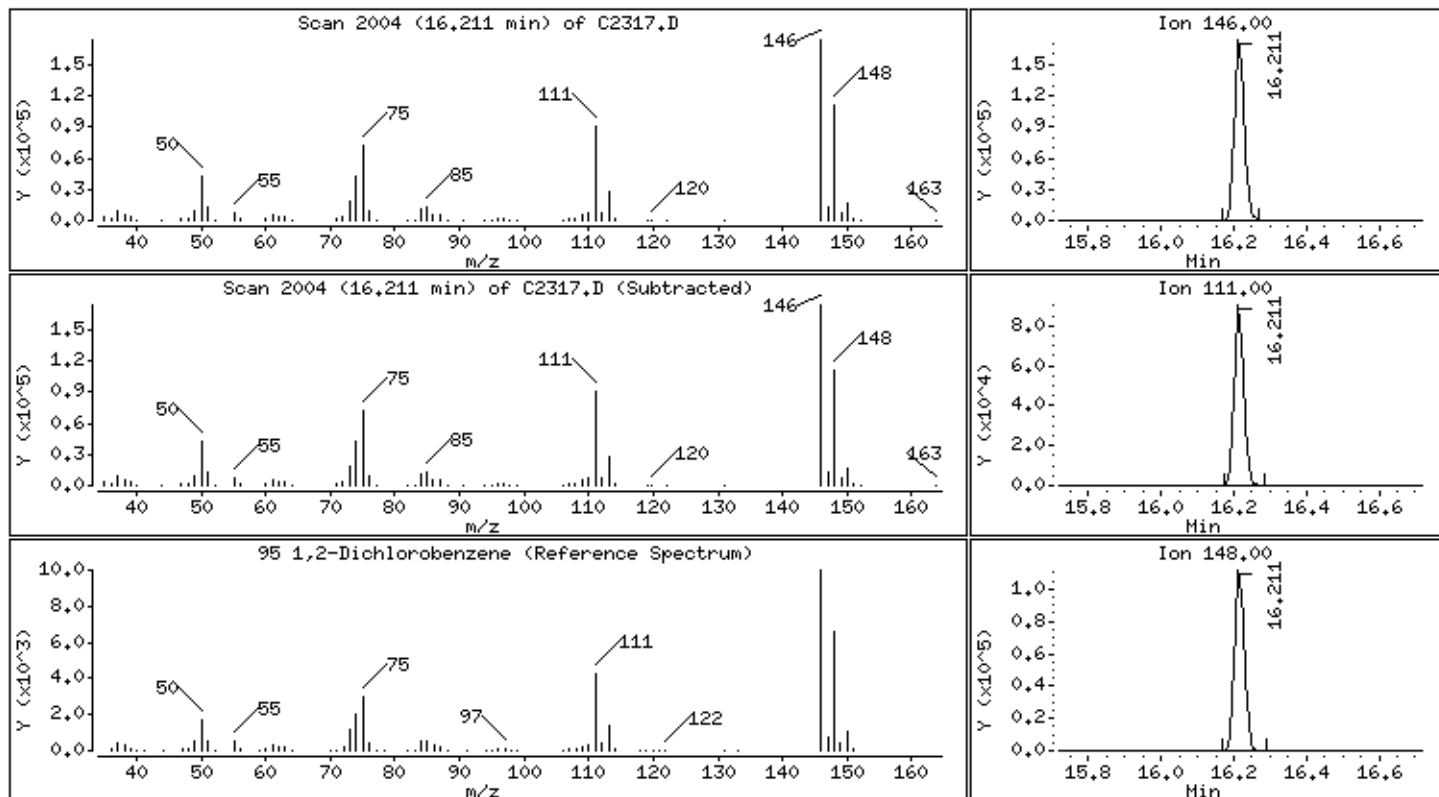
92 1,4-Dichlorobenzene

Concentration: 8.9 ug/l



95 1,2-Dichlorobenzene

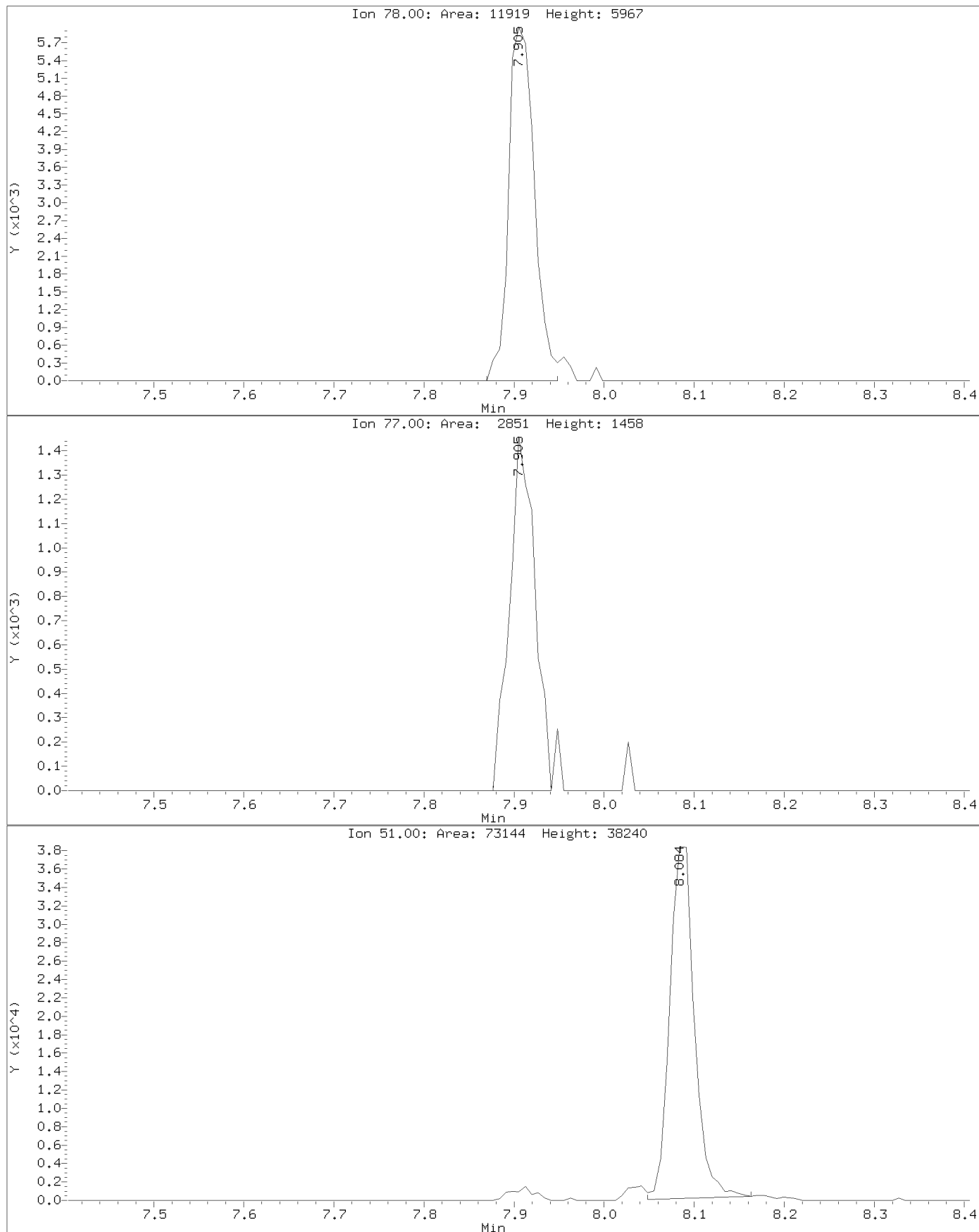
Concentration: 43.8 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\0041515.b\C2317.D
Injection Date: 15-APR-2015 19:55
Instrument: gcms-c.i
Client Sample ID: AOC9-MW17LTM040715

Compound: Benzene
CAS Number: 71-43-2

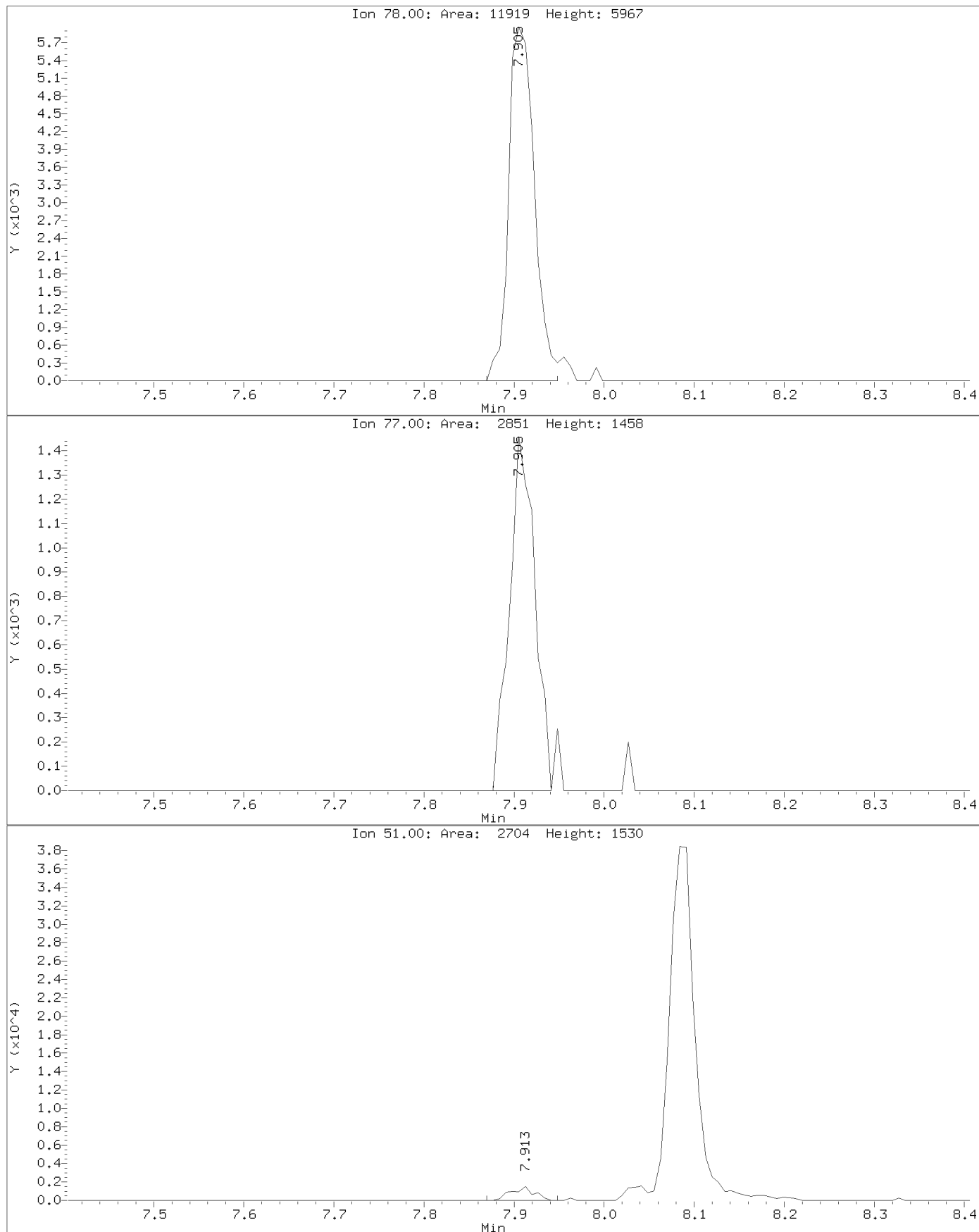
BEFORE MANUAL INTEGRATION



Data File: \\target_server\gg\chem\gcms-c.i\0041515.b\C2317.D
Injection Date: 15-APR-2015 19:55
Instrument: gcms-c.i
Client Sample ID: AOC9-MW17LTM040715

AFTER MANUAL INTEGRATION

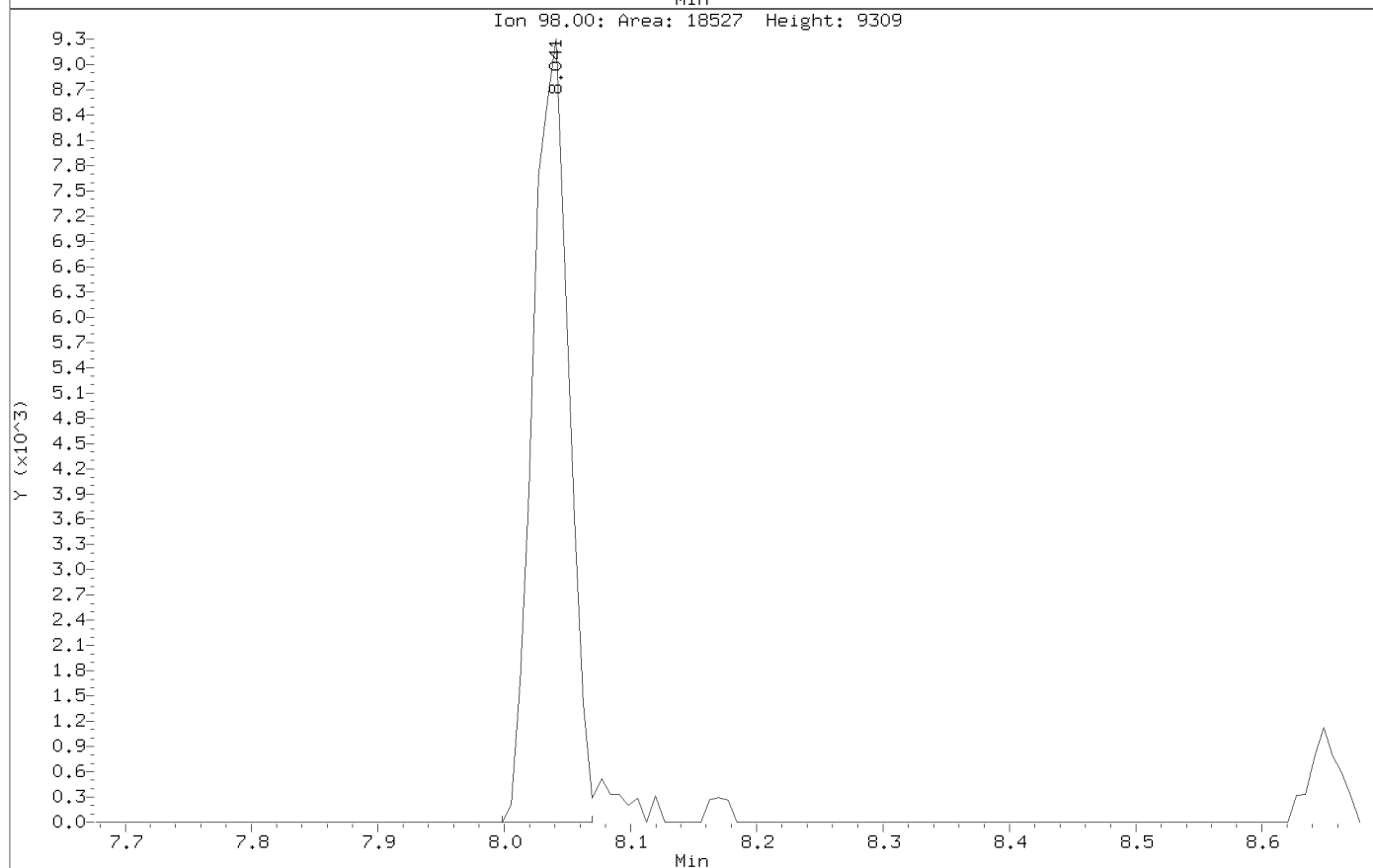
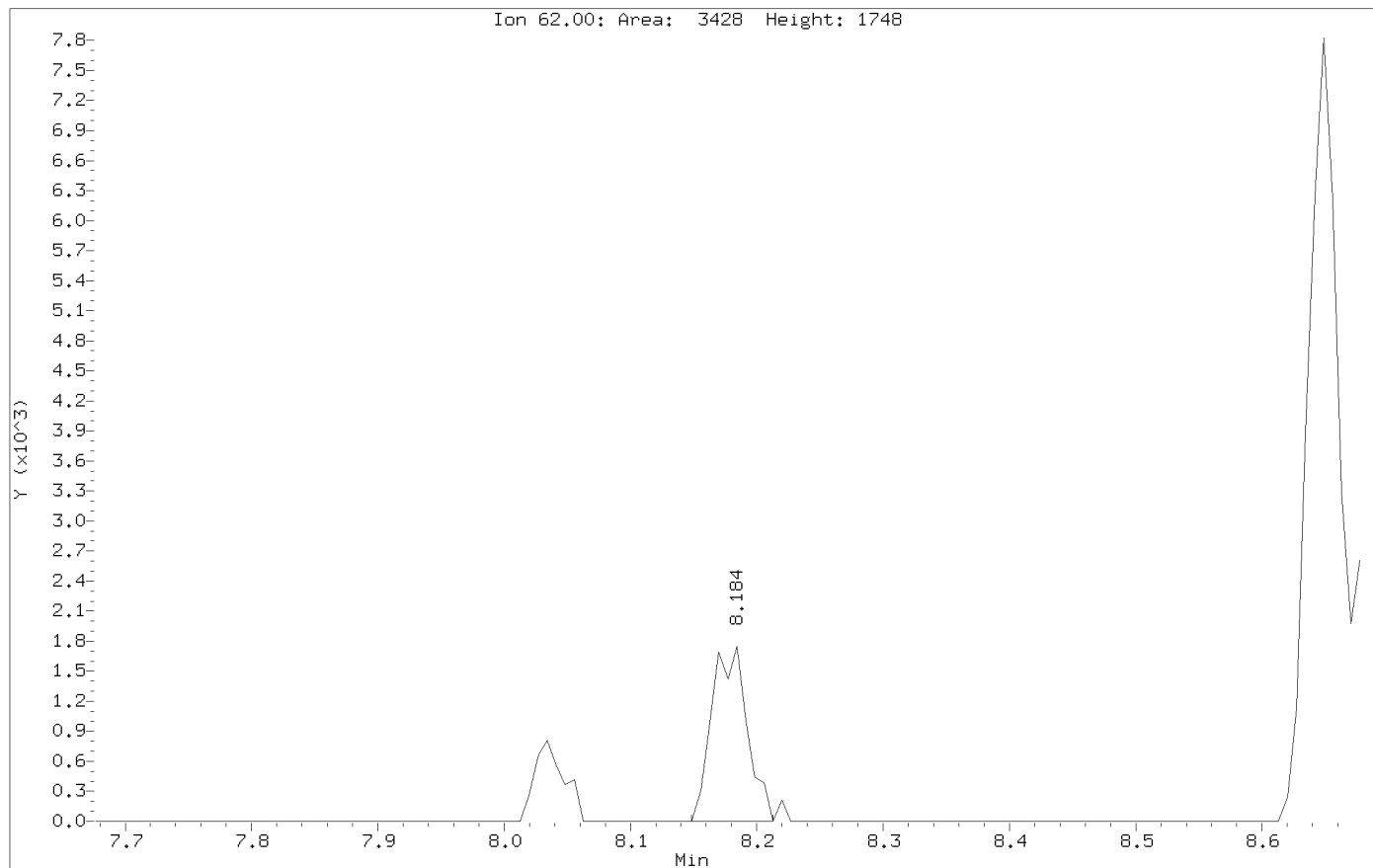
Compound: Benzene
CAS Number: 71-43-2



Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2317.D
Injection Date: 15-APR-2015 19:55
Instrument: gcms-c.i
Client Sample ID: AOC9-MW17LTM040715

Compound: 1,2-Dichloroethane
CAS Number: 107-06-2

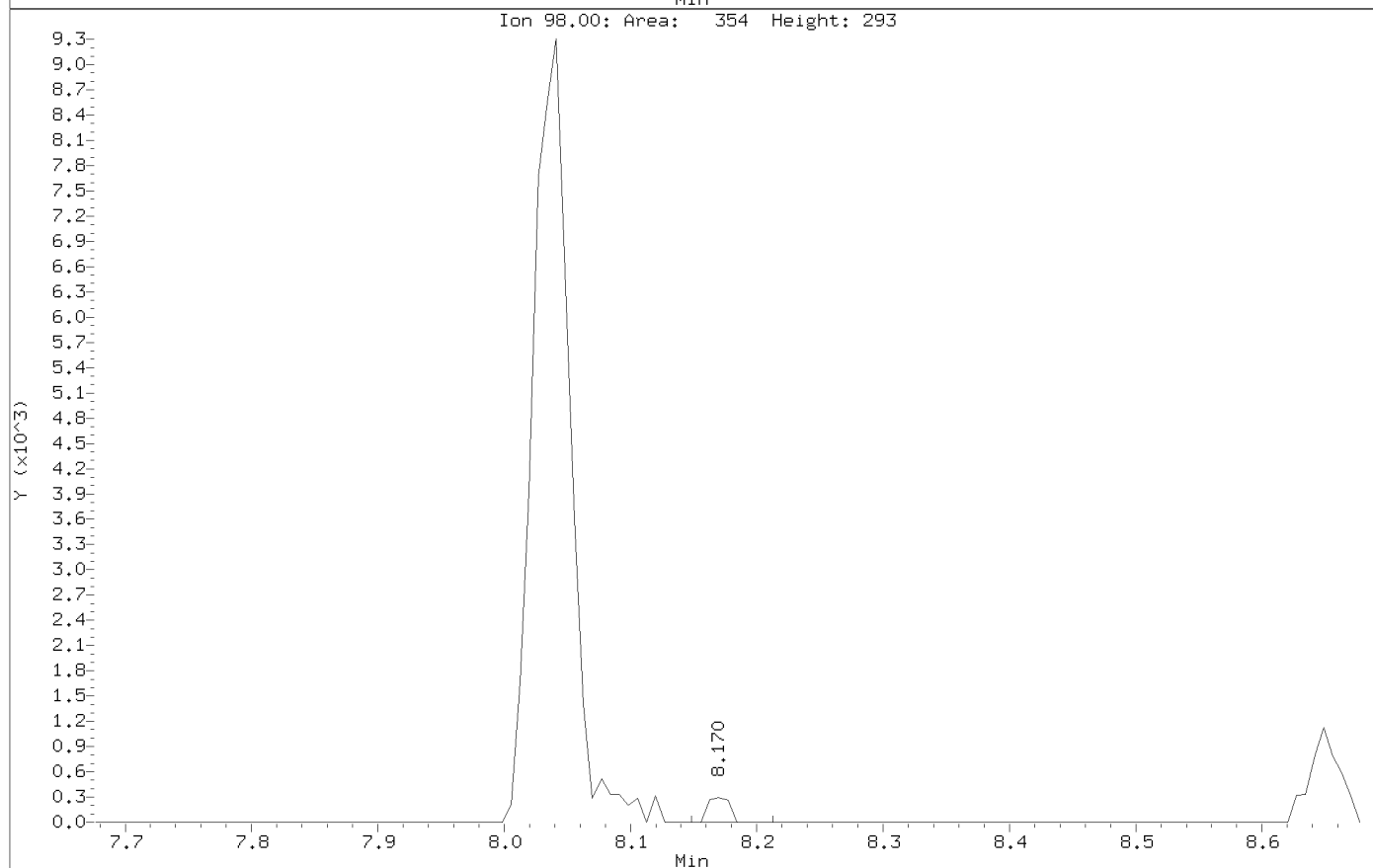
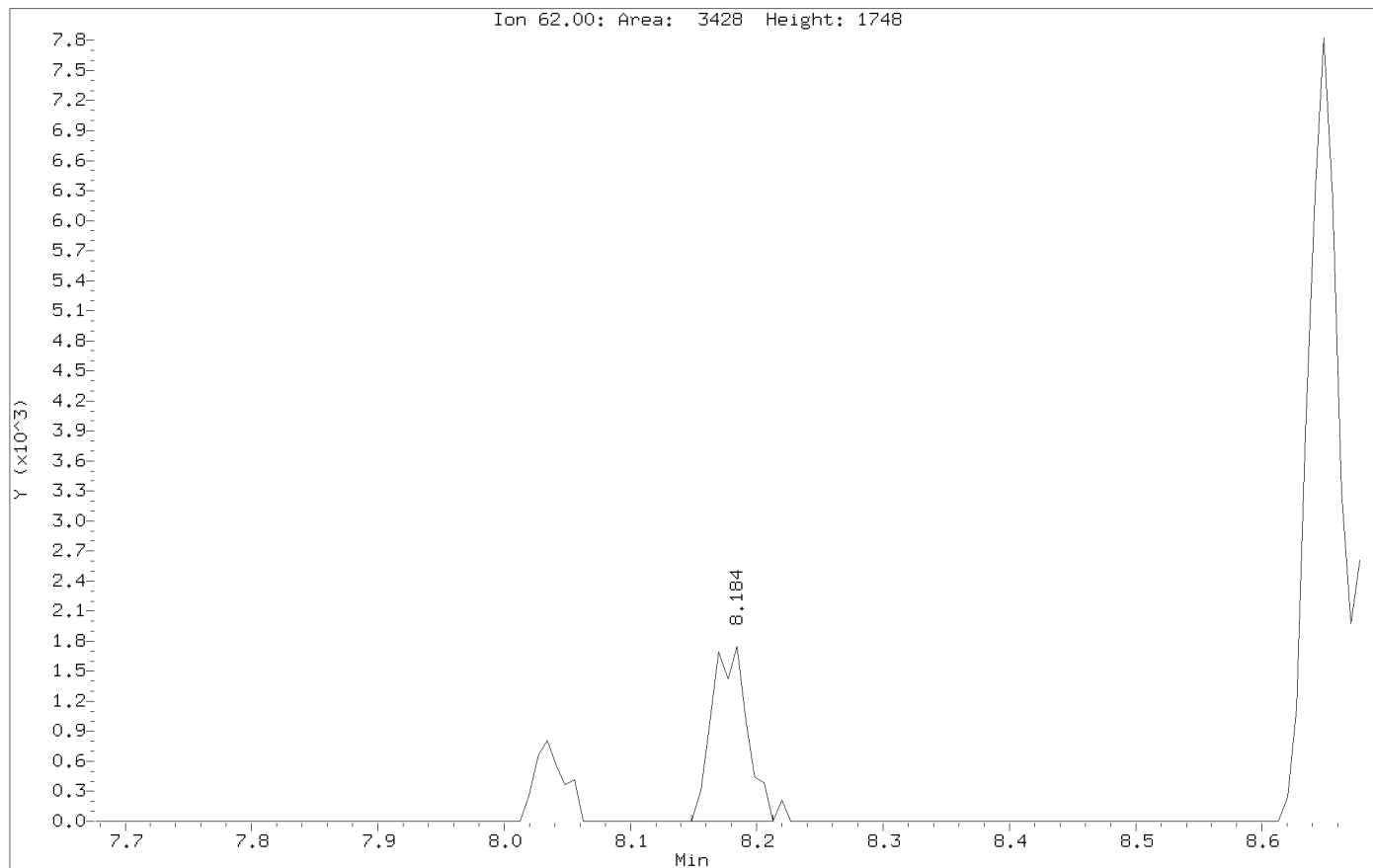
BEFORE MANUAL INTEGRATION



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Instrument: gcms-c.i
Client Sample ID: AOC9-MW17LTM040715

AFTER MANUAL INTEGRATION

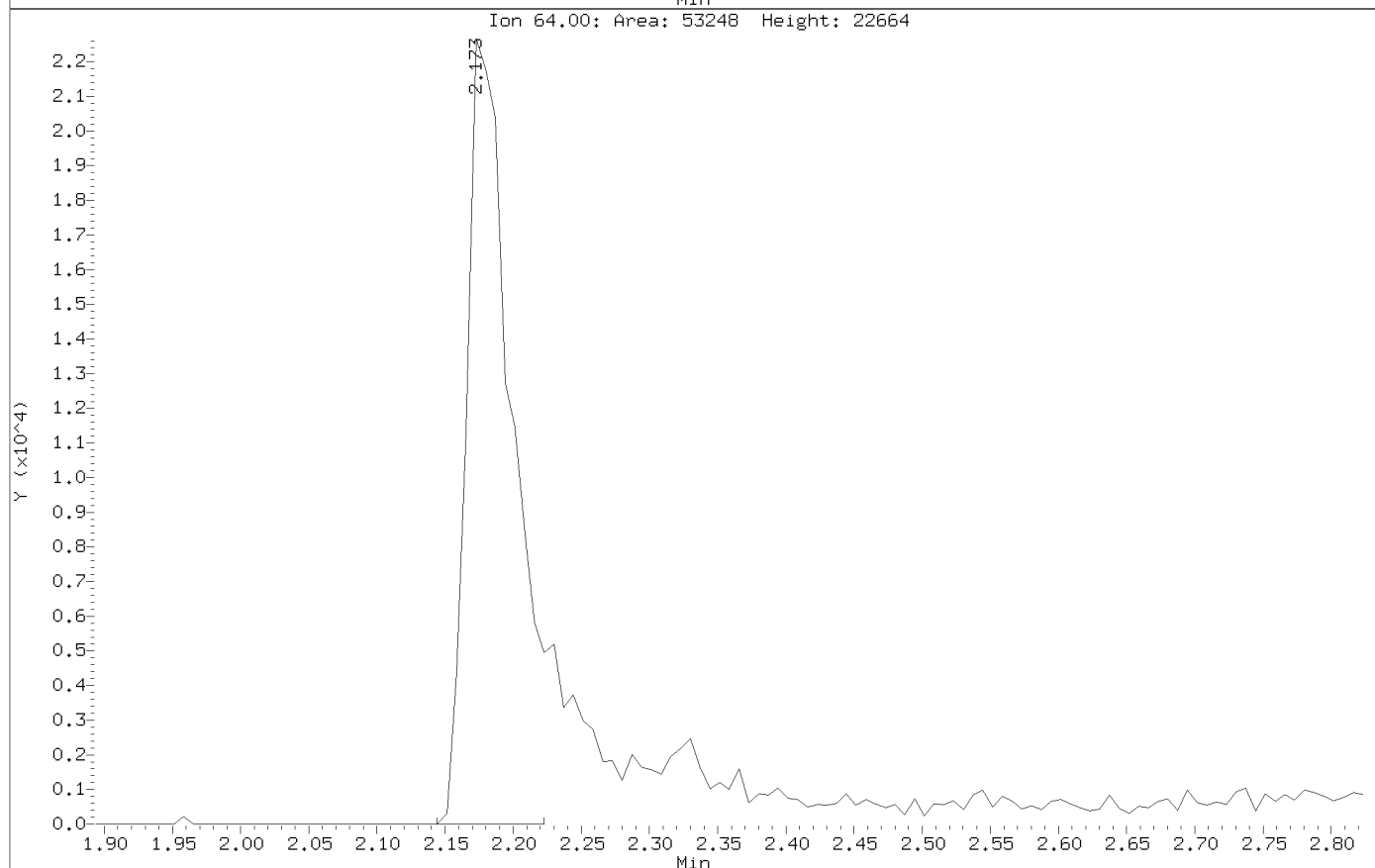
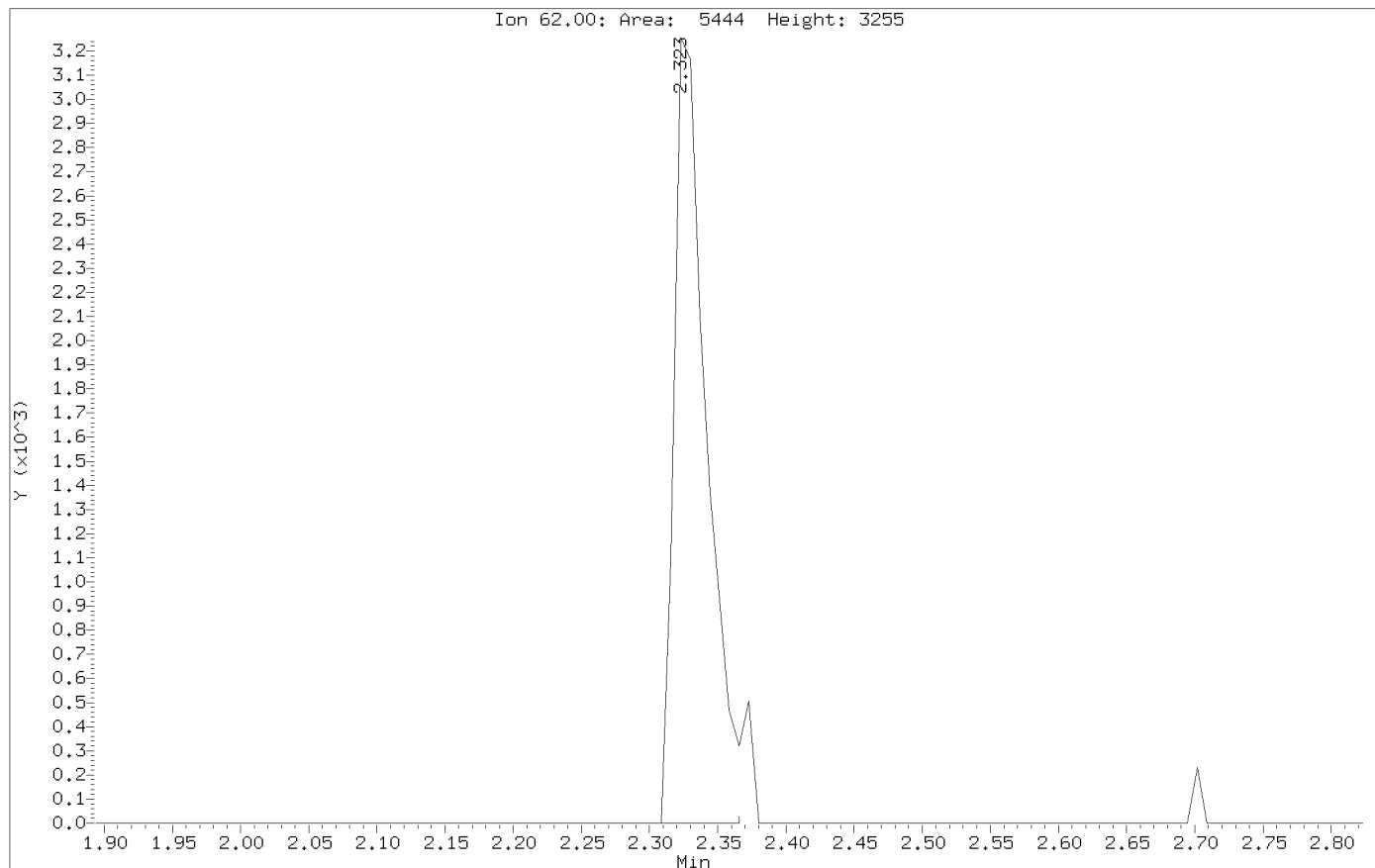
Compound: 1,2-Dichloroethane
CAS Number: 107-06-2



Data File: \\target_server\gg\chem\gcms-c.i\0041515.b\C2317.D
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Instrument: gcms-c.i
Client Sample ID: AOC9-MW17LTM040715

BEFORE MANUAL INTEGRATION

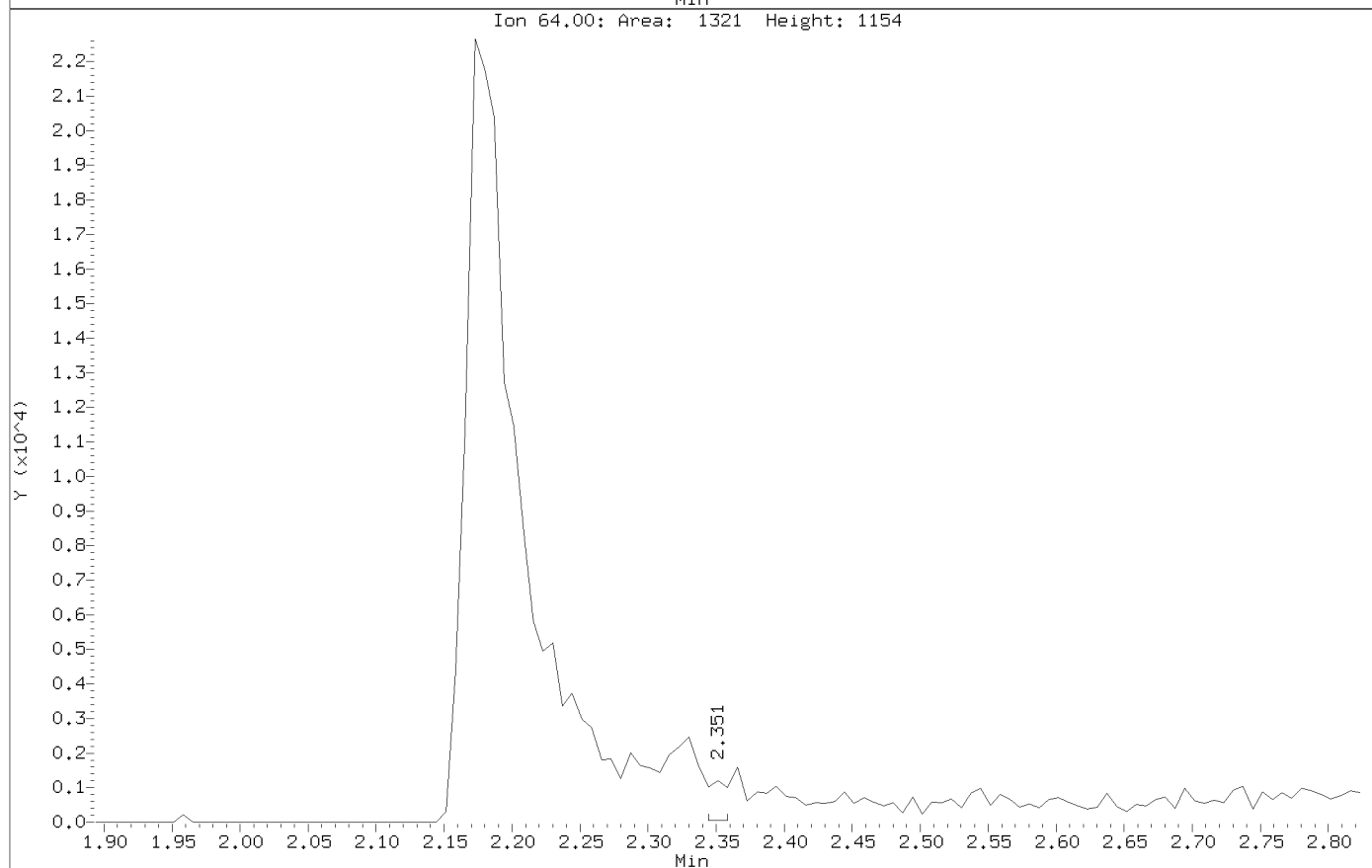
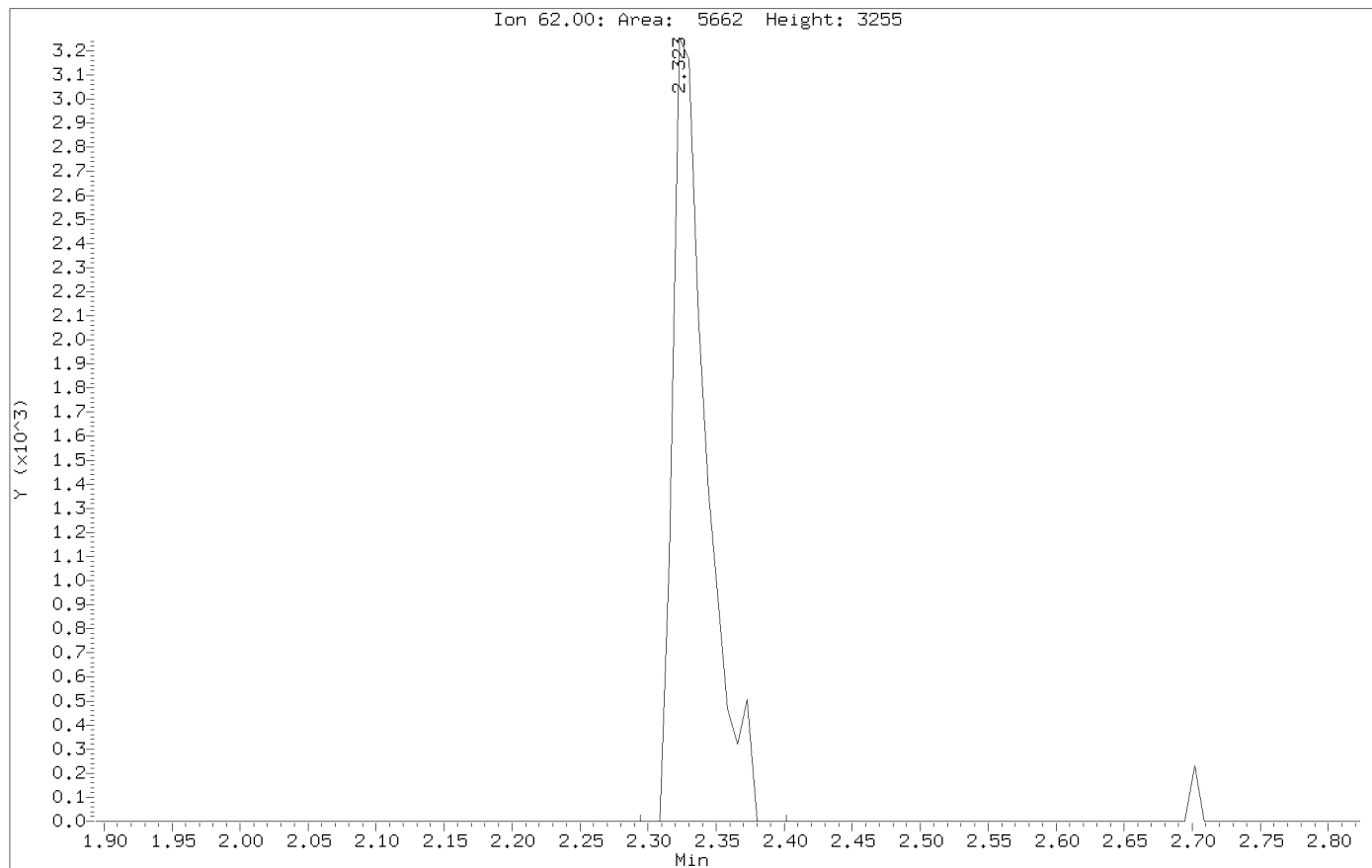
Compound: Vinyl chloride
CAS Number: 75-01-4



Data File: \\target_server\gg\chem\gcms-c.i\0041515.b\C2317.D
Injection Date: 15-APR-2015 19:55
Instrument: gcms-c.i
Client Sample ID: AOC9-MW17LTM040715

AFTER MANUAL INTEGRATION

Compound: Vinyl chloride
CAS Number: 75-01-4



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-10

Client ID: AOC9-MW17DLTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2341.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	J	1.1	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		2.6	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	J	0.84	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	J	0.64	ug/L	1	1	1.0	0.20	0.50
Trichloroethene		18	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene		1.9	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-10

Client ID: AOC9-MW17DLTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2341.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		130	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	J	0.70	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		8.6	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene		43	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		109.	%					
Toluene-d8		107.	%					
P-Bromofluorobenzene		94.7	%					
Dibromofluoromethane		98.5	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2341.D
Report Date: 23-Apr-2015 08:08

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041615.b\C2341.D
Lab Smp Id: SI2201-10
Inj Date : 16-APR-2015 13:51 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-10
Misc Info : WG161286, WG160924-4
Comment : SW846 5030
Method : \\TARGET_SERVER\GG\chem\gcms-c.i\C041615.b\C826A36.m
Meth Date : 22-Apr-2015 15:23 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Compound Sublist: all.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)
=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Vinyl chloride	62	2.336	2.322	(0.291)	5638	1.10452	1.1	
29 cis-1,2-Dichloroethene	96	6.761	6.761	(0.841)	10870	2.60206	2.6	
M 30 1,2-Dichloroethylene (total)	96				10870	2.60206	2.6	
\$ 37 Dibromofluoromethane	113	7.404	7.405	(0.921)	150554	49.2570	49.2	
41 Benzene	78	7.912	7.905	(0.910)	12402	0.83811	0.84(aM)	M10
* 42 Pentafluorobenzene	168	8.040	8.041	(1.000)	304678	50.0000		
\$ 45 1,2-Dichloroethane-D4	65	8.091	8.090	(1.006)	223319	54.6087	54.6	
47 1,2-Dichloroethane	62	8.183	8.177	(0.941)	4501	0.64000	0.64(aMH)	M10
48 Trichloroethene	95	8.648	8.648	(0.994)	79589	17.6738	17.7	
* 49 1,4-Difluorobenzene	114	8.698	8.698	(1.000)	525138	50.0000		
\$ 55 Toluene-D8	98	10.321	10.321	(1.187)	515185	53.4971	53.5	
59 Tetrachloroethene	164	10.821	10.821	(0.888)	6415	1.88506	1.9	
* 66 Chlorobenzene-D5	117	12.186	12.187	(1.000)	533092	50.0000		
67 Chlorobenzene	112	12.208	12.208	(1.002)	1400759	128.436	128	
\$ 76 P-Bromofluorobenzene	95	13.838	13.838	(1.591)	239890	47.3422	47.3	
90 1,3-Dichlorobenzene	146	15.403	15.396	(0.993)	5771	0.70363	0.70(a)	
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	316554	50.0000		
92 1,4-Dichlorobenzene	146	15.539	15.539	(1.001)	76730	8.60541	8.6	
95 1,2-Dichlorobenzene	146	16.218	16.218	(1.045)	319166	43.0032	43.0	

REC

8:18 am, Apr 23, 2015

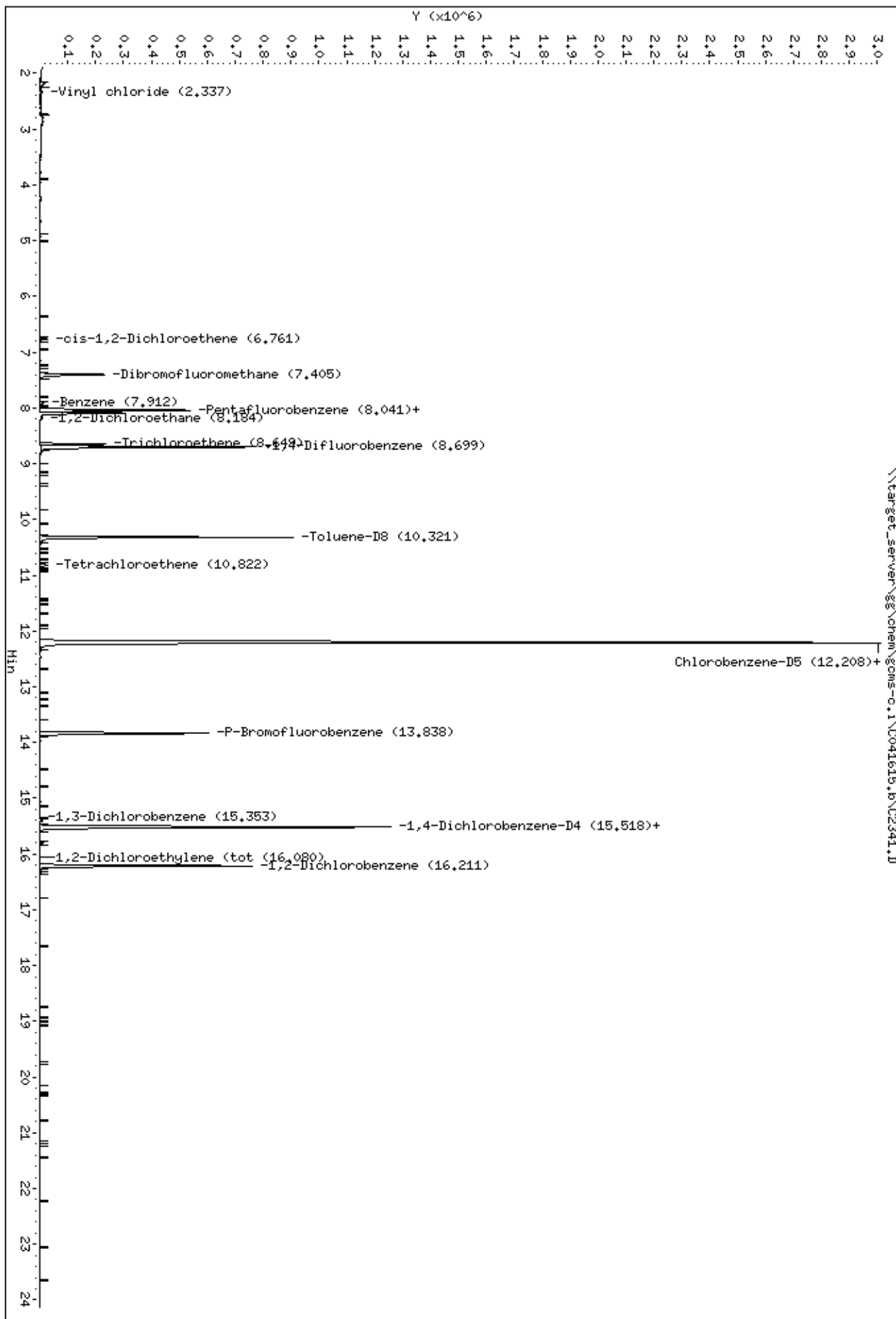
REC
8:18 am, Apr 23, 2015

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\target_server\gs\chem\goms-c.i\CO41615.b\C2341.D
 Date : 16-APR-2015 13:51
 Client ID:
 Sample Info: S12201-10

Instrument: goms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2341.D

Date : 16-APR-2015 13:51

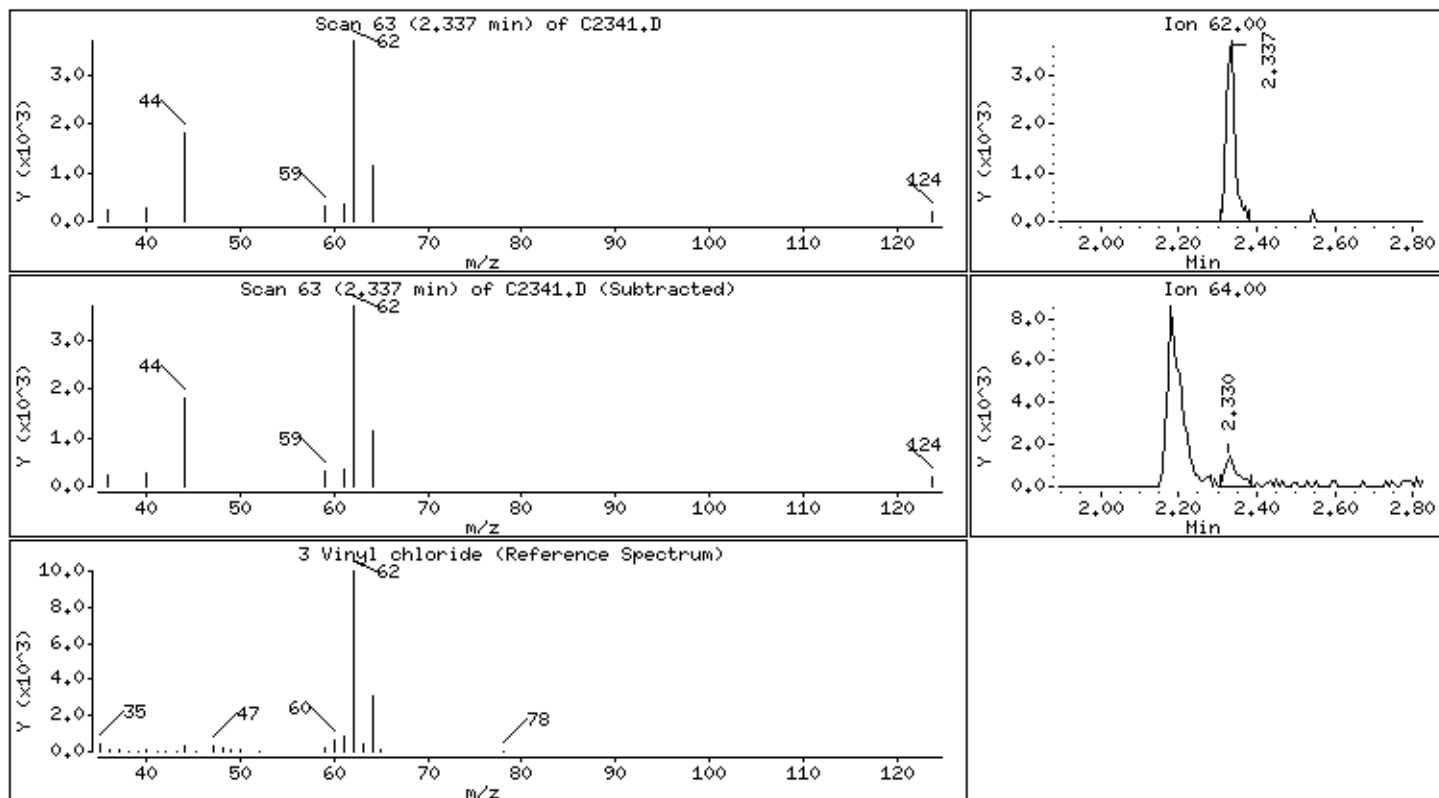
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Instrument: gcms-c.i

Sample Info: SI2201-10

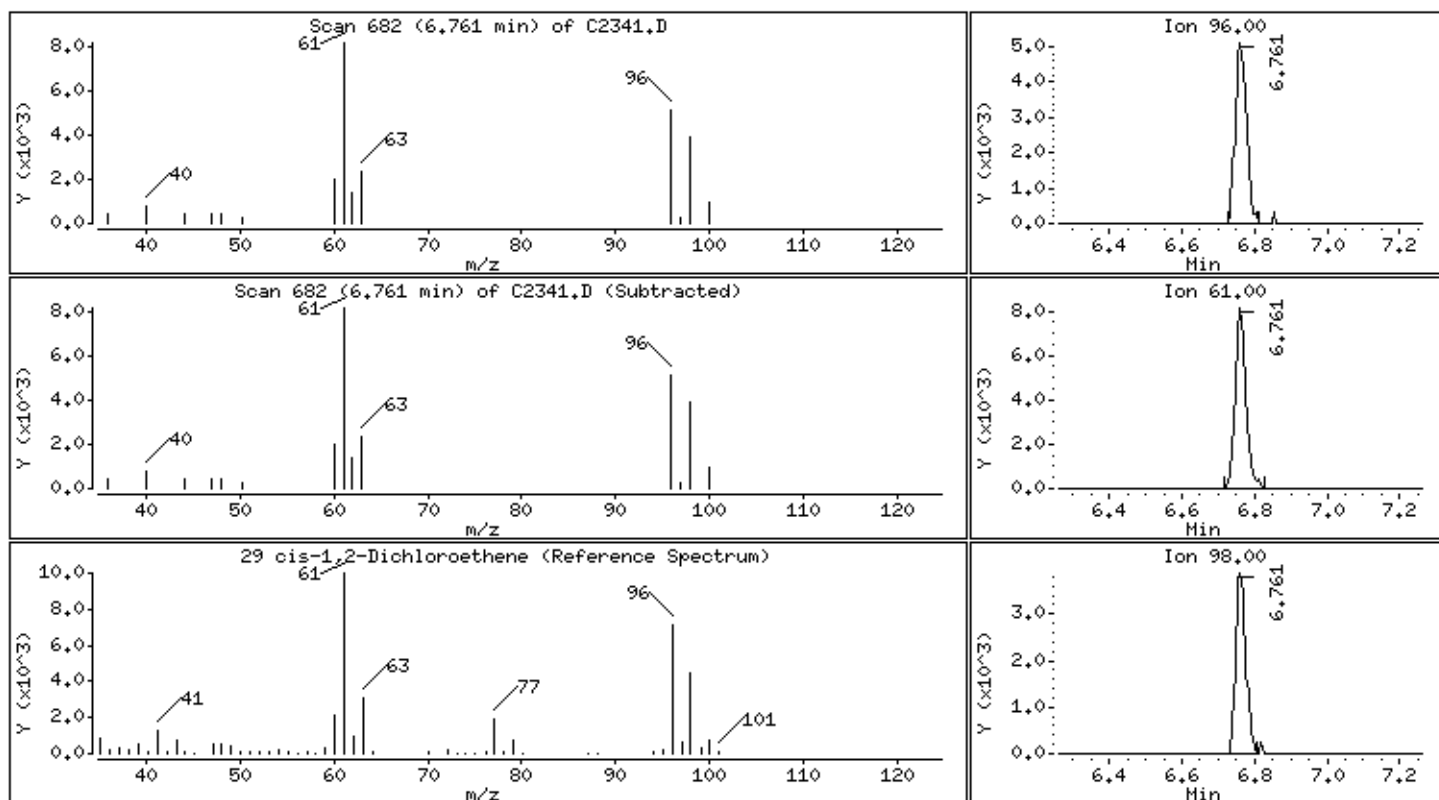
3 Vinyl chloride

Concentration: 1.1 ug/l



29 cis-1,2-Dichloroethene

Concentration: 2.6 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2341.D

Date : 16-APR-2015 13:51

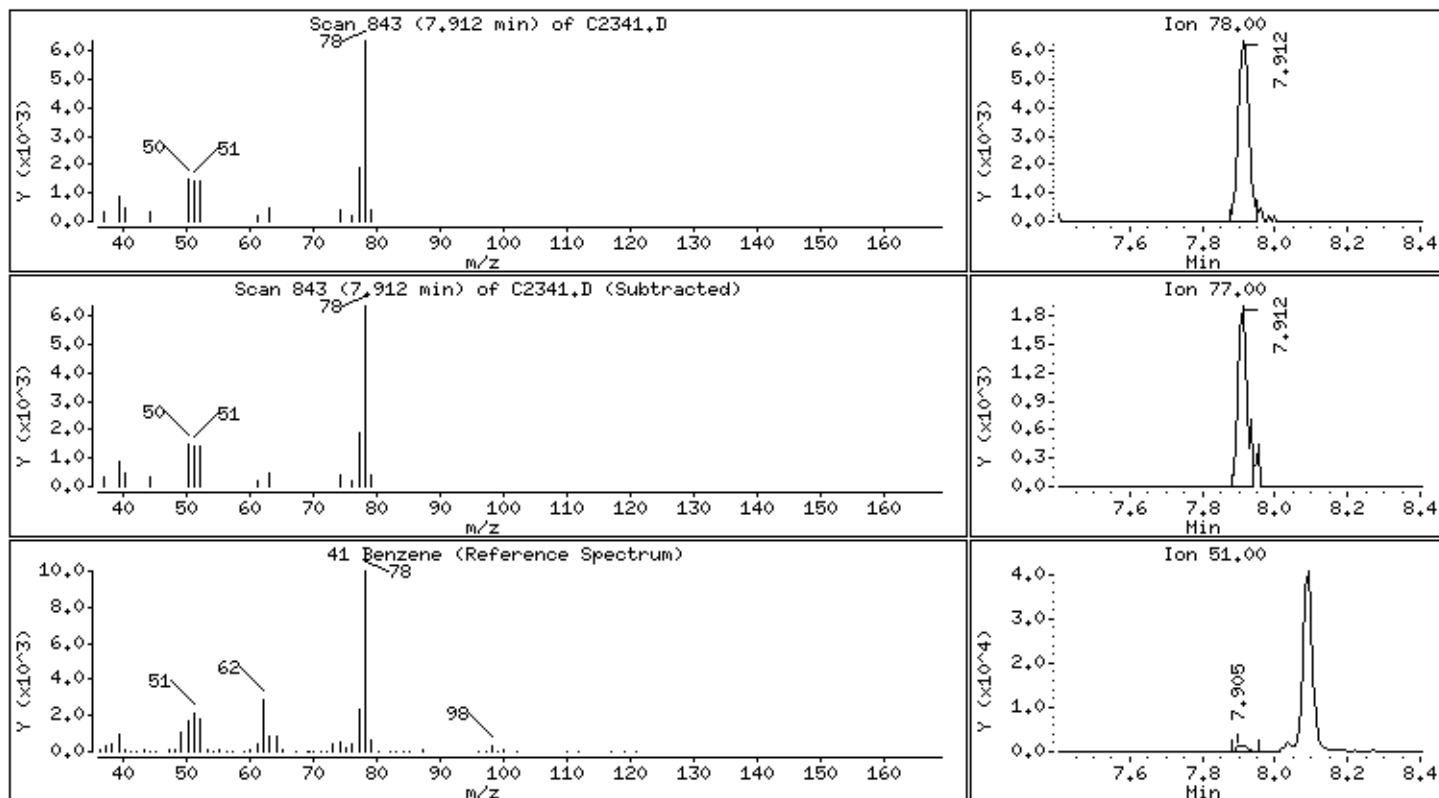
Client ID:

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Sample Info: SI2201-10

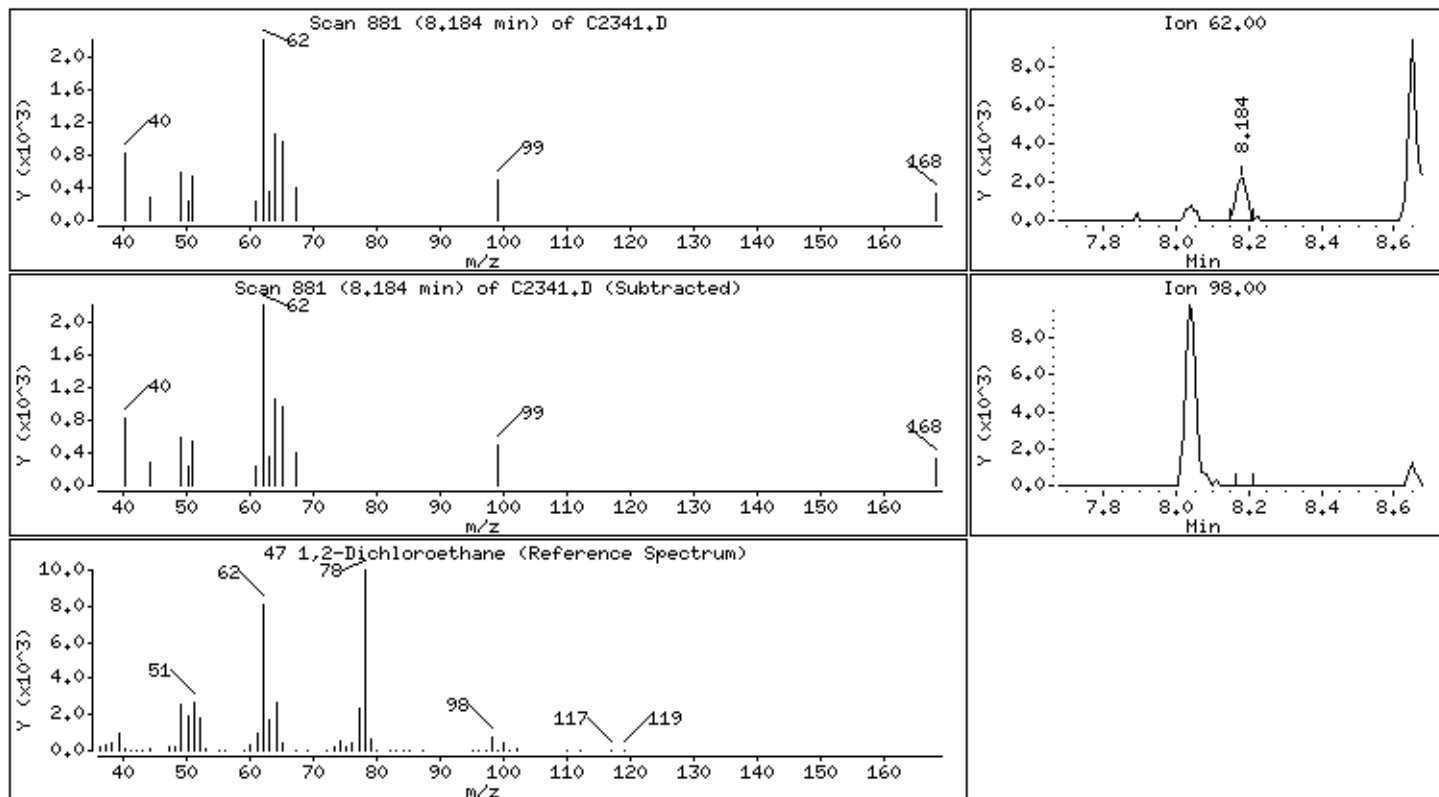
41 Benzene

Concentration: 0,84 ug/l



47 1,2-Dichloroethane

Concentration: 0,64 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2341.D

Date : 16-APR-2015 13:51

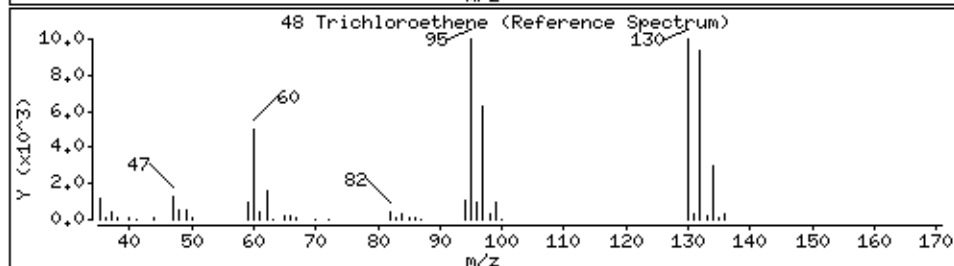
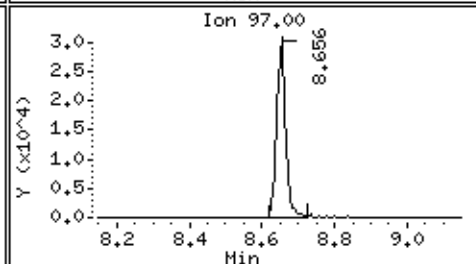
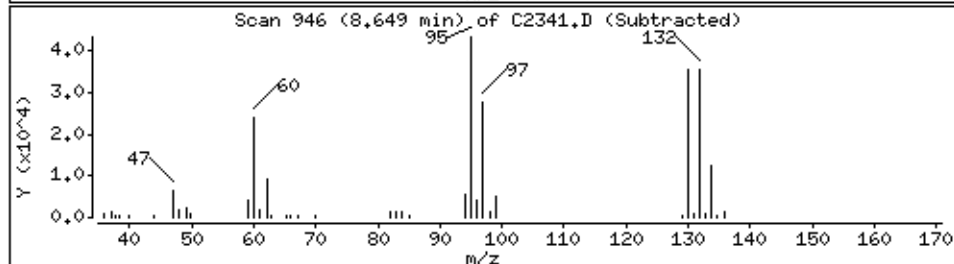
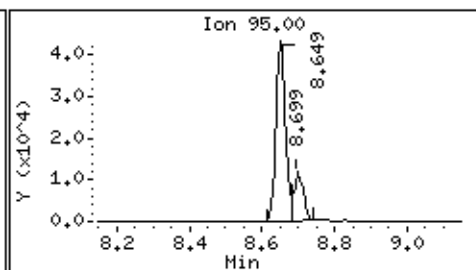
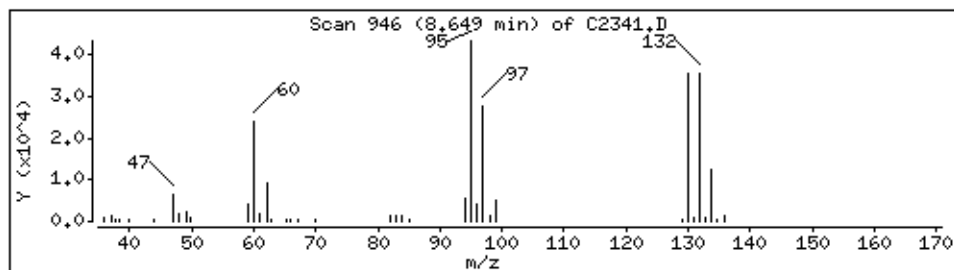
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Sample Info: SI2201-10

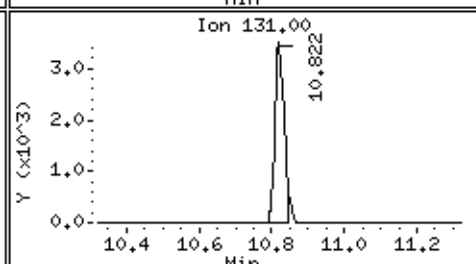
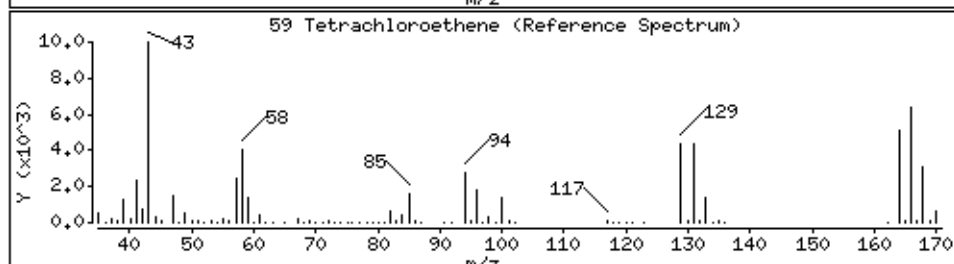
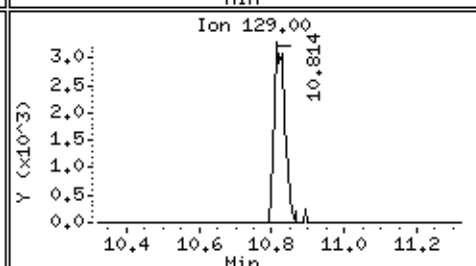
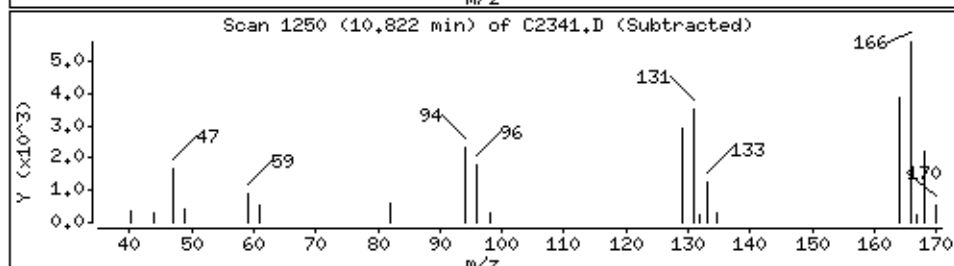
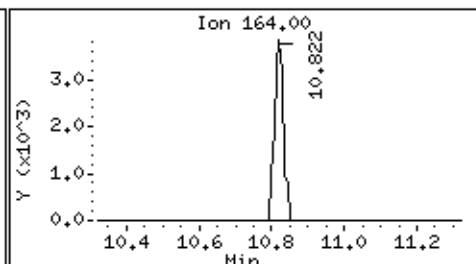
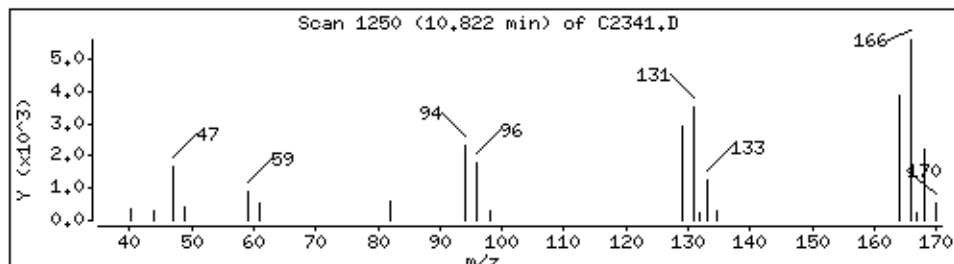
48 Trichloroethene

Concentration: 17.7 ug/l



59 Tetrachloroethene

Concentration: 1.9 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2341.D

Date : 16-APR-2015 13:51

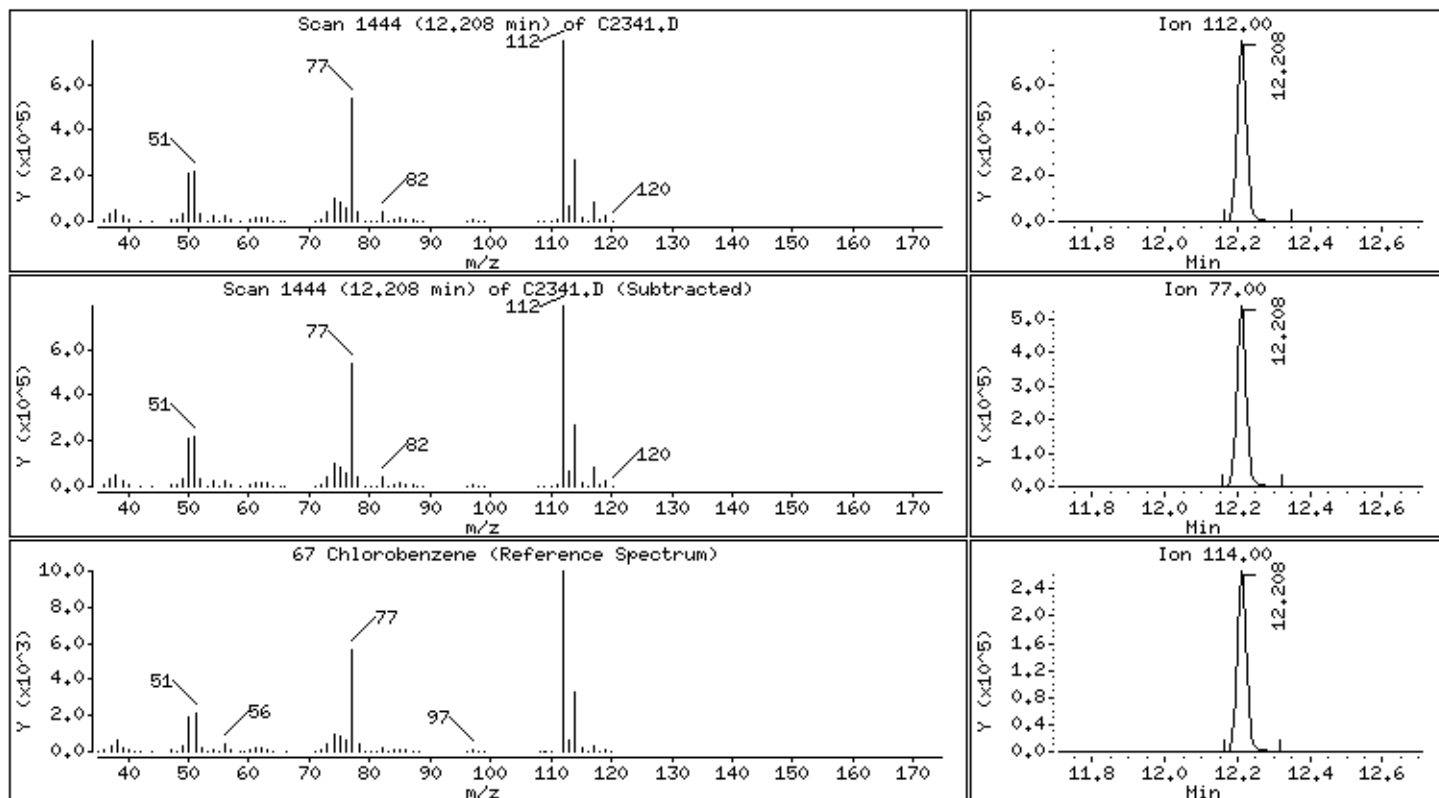
Client ID:

Instrument: gcms-c.i

Sample Info: SI2201-10

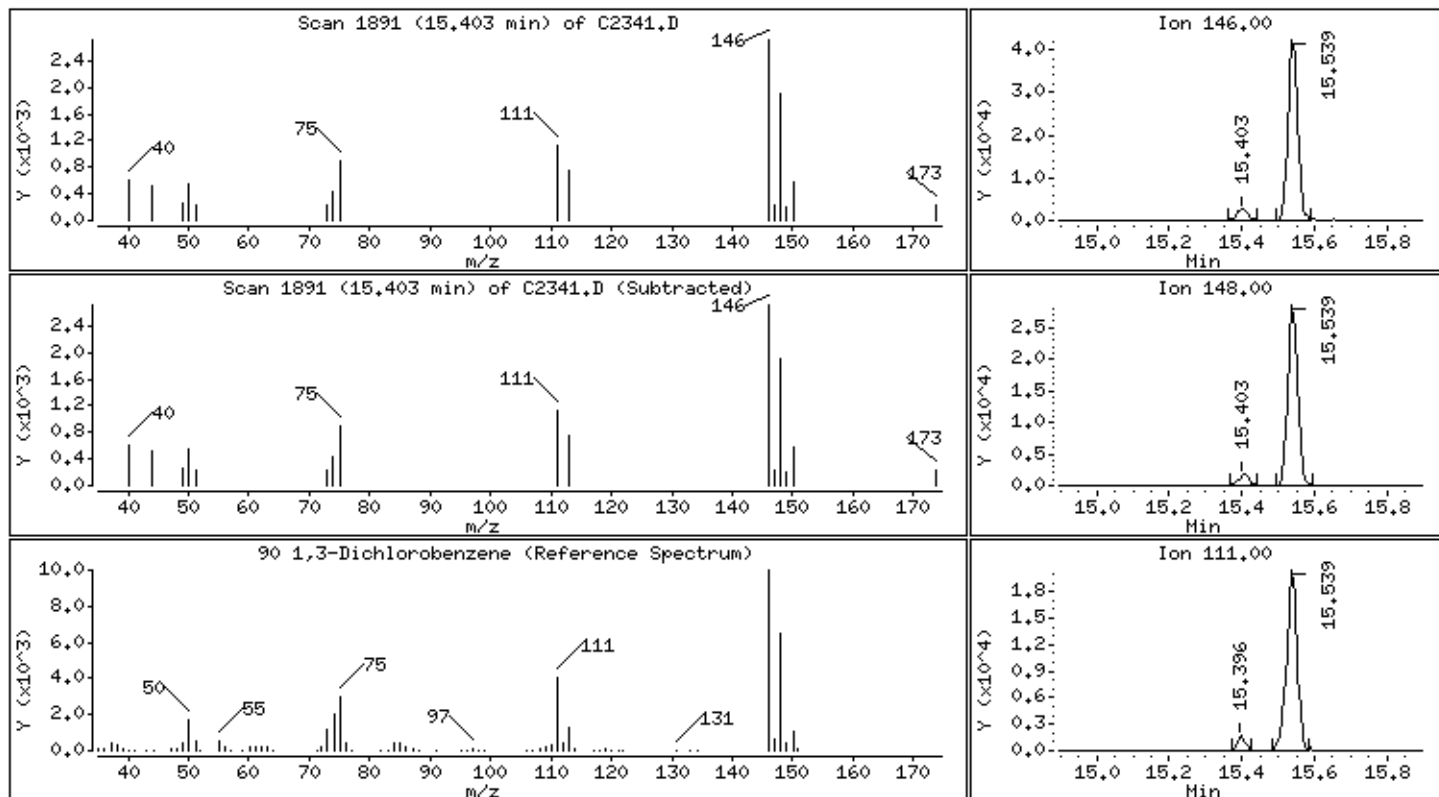
67 Chlorobenzene

Concentration: 128 ug/l



90 1,3-Dichlorobenzene

Concentration: 0.70 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2341.D

Date : 16-APR-2015 13:51

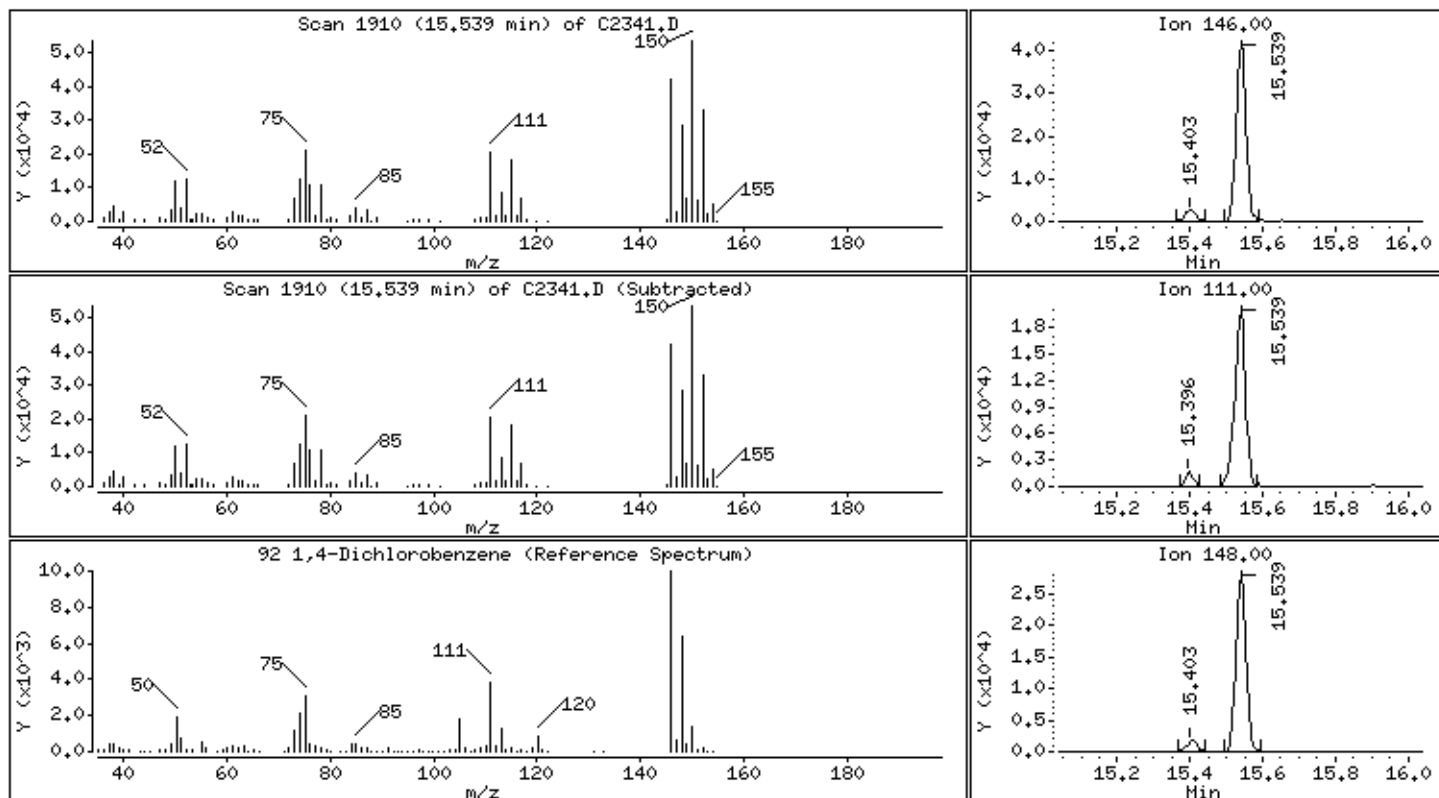
Client ID:

Instrument: gcms-c.i

Sample Info: SI2201-10

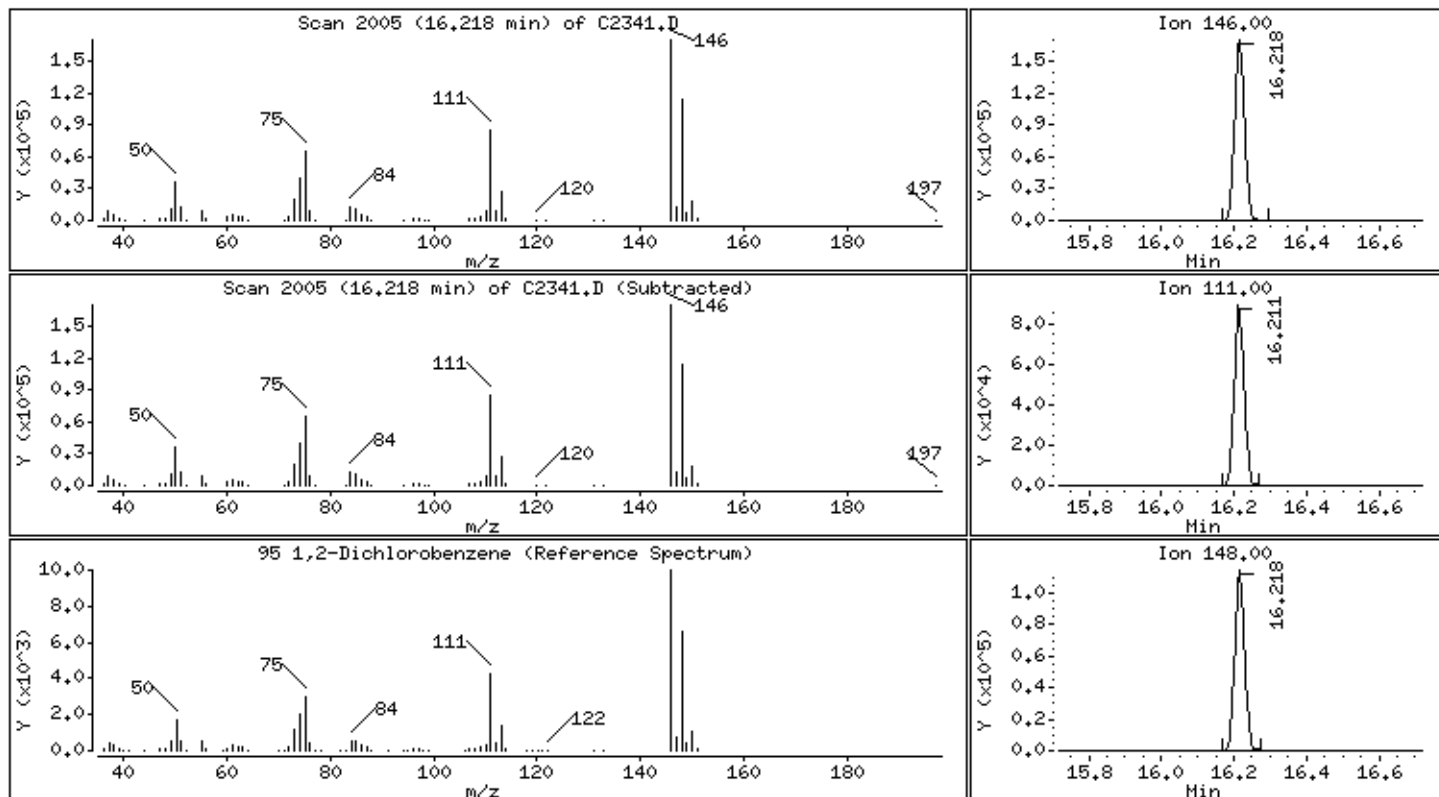
92 1,4-Dichlorobenzene

Concentration: 8,6 ug/l



95 1,2-Dichlorobenzene

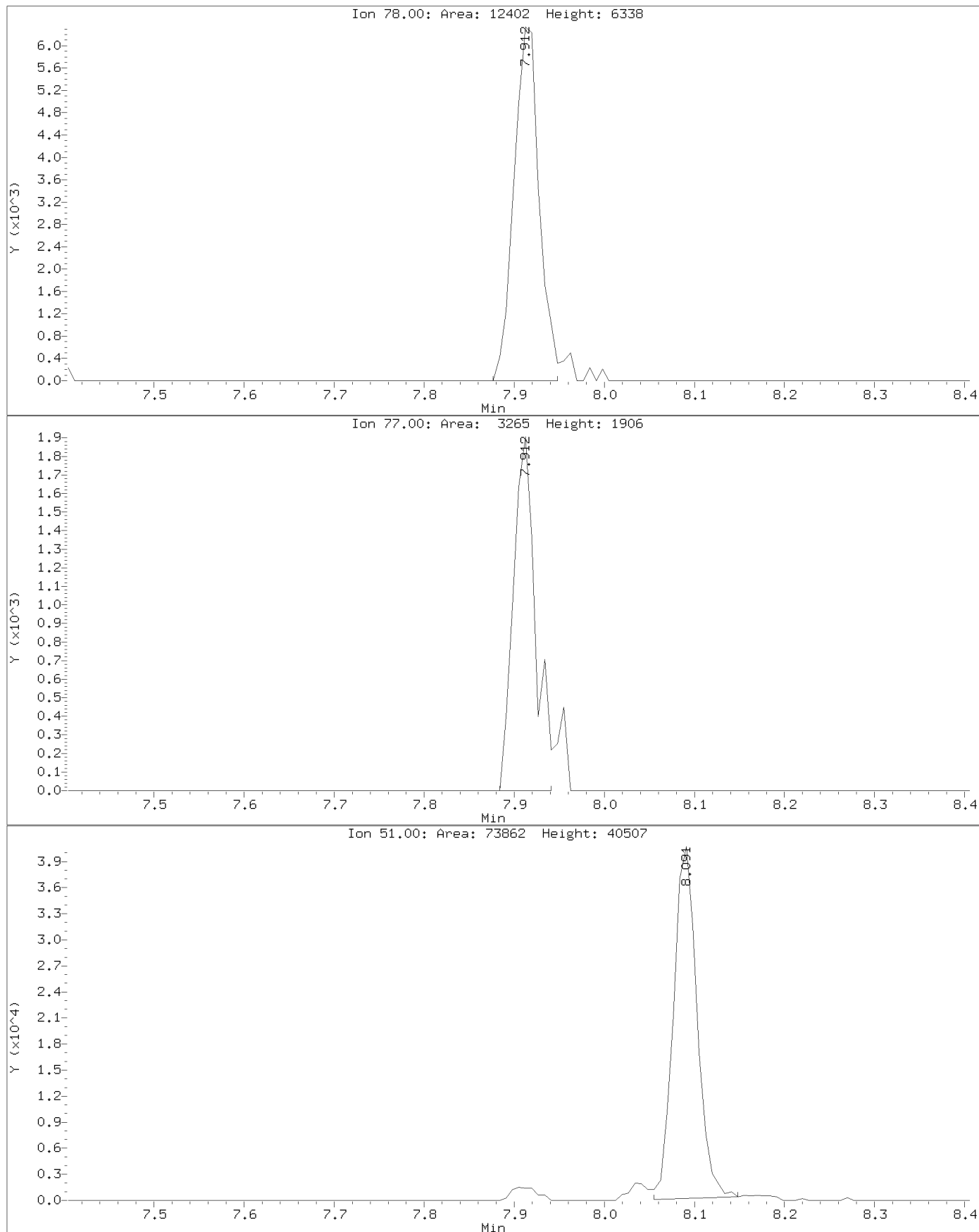
Concentration: 43,0 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\0041615.b\C2341.D
Injection Date: 16-APR-2015 13:51
Instrument: gcms-c.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

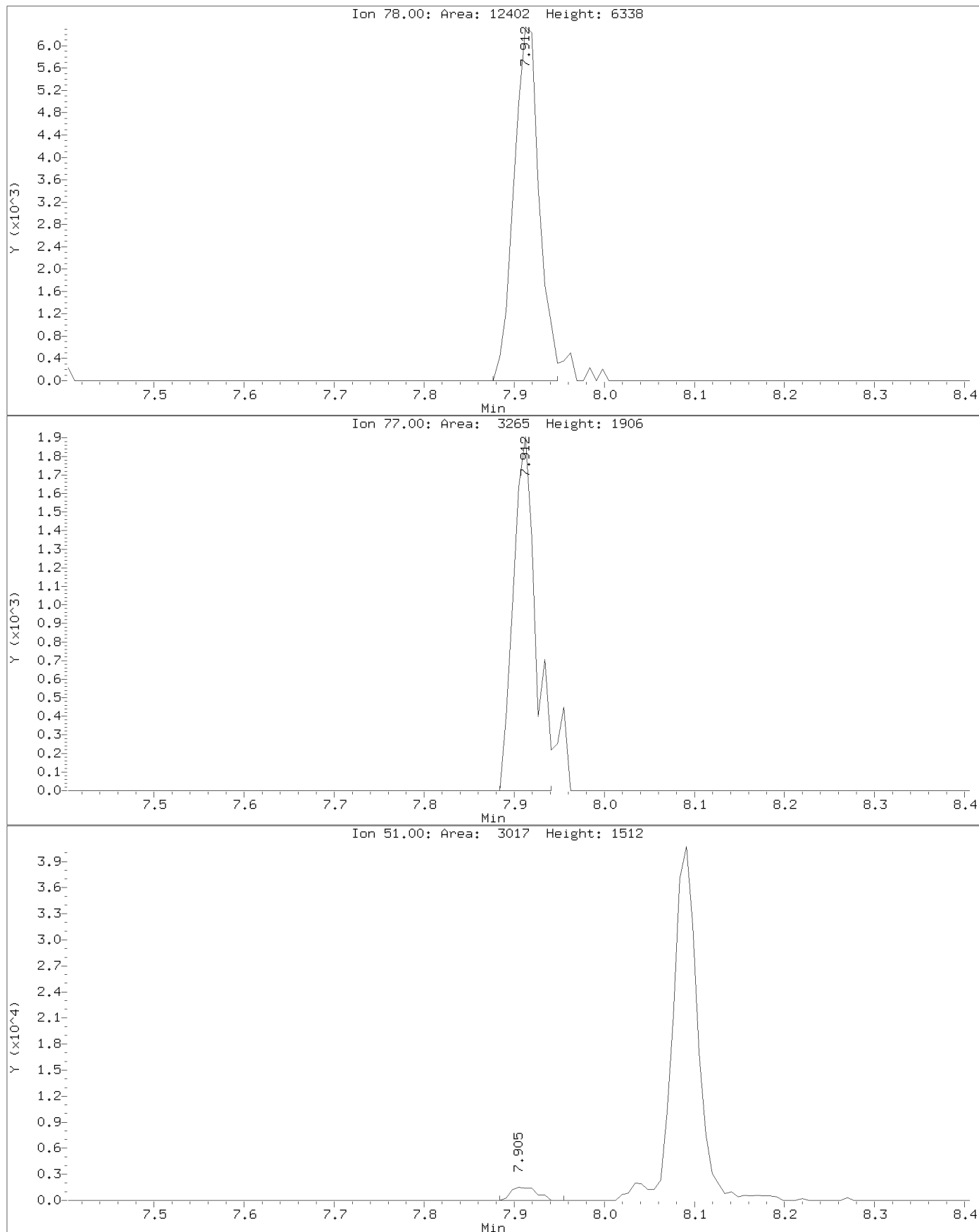
Compound: Benzene
CAS Number: 71-43-2



Data File: \\target_server\gg\chem\gcms-c.i\0041615.b\C2341.D
Injection Date: 16-APR-2015 13:51
Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

Compound: Benzene
CAS Number: 71-43-2



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-11

Client ID: AOC9-MW15LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2347.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	J	0.40	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene		1.3	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-11

Client ID: AOC9-MW15LTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2347.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		120	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	J	0.68	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	J	0.92	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		14	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene		16	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	J	0.66	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		109.	%					
Toluene-d8		107.	%					
P-Bromofluorobenzene		97.9	%					
Dibromofluoromethane		101.	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2347.D
Report Date: 22-Apr-2015 16:06

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041615.b\C2347.D
Lab Smp Id: SI2201-11 Client Smp ID: AOC9-MW15LTM040715
Inj Date : 16-APR-2015 17:02 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-11
Misc Info : WG161286,WG160924-4
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041615.b\C826A36.m
Meth Date : 22-Apr-2015 15:23 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Compound Sublist: all.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

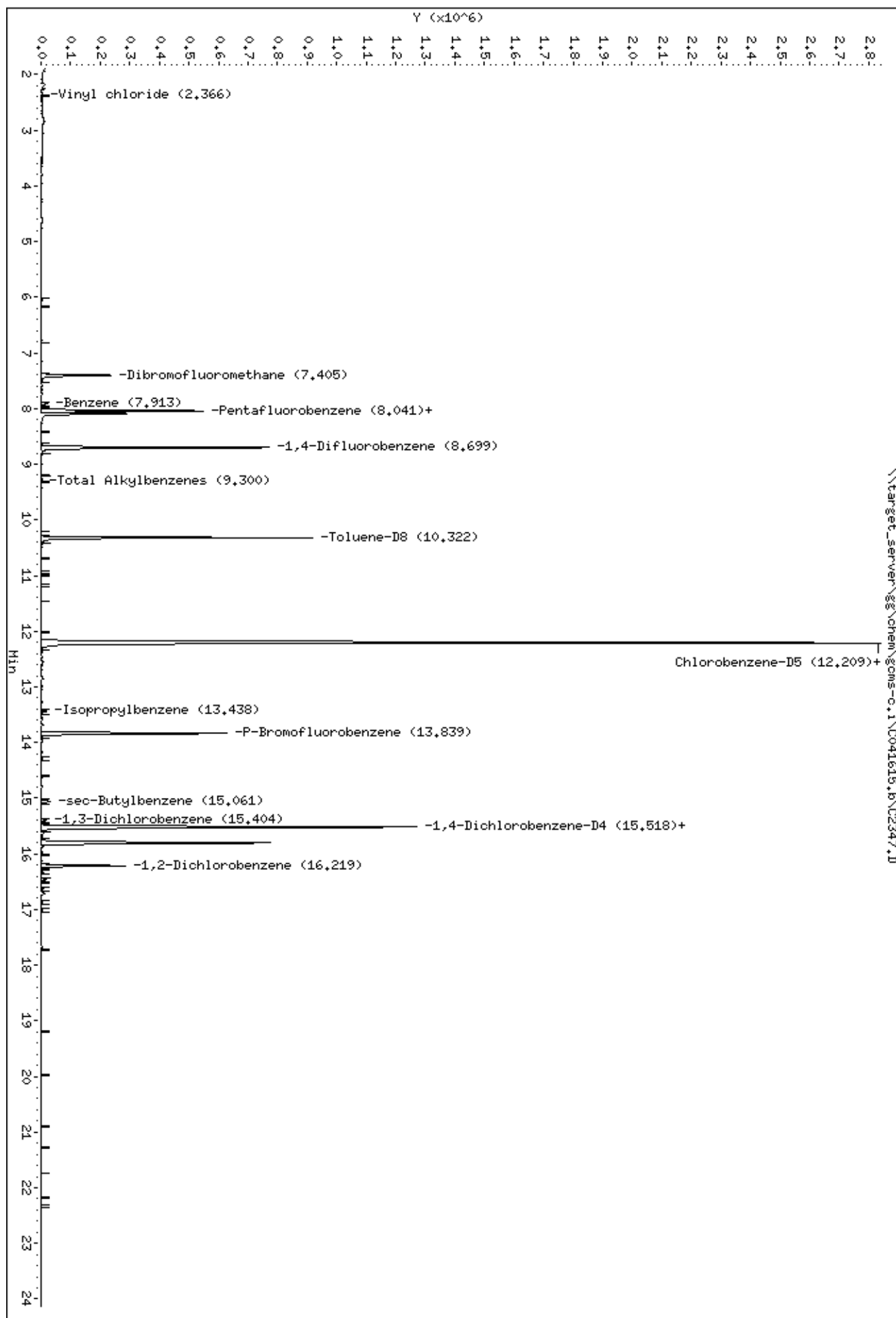
Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Vinyl chloride	62			2.330	2.322 (0.290)		2031	0.40516	0.40(aM)	M10
\$ 37 Dibromofluoromethane	113			7.405	7.405 (0.921)		150999	50.3063	50.3	
41 Benzene	78			7.912	7.905 (0.910)		19038	1.29907	1.3	
* 42 Pentafluorobenzene	168			8.041	8.041 (1.000)		299205	50.0000		
\$ 45 1,2-Dichloroethane-D4	65			8.091	8.090 (1.006)		218569	54.4248	54.4	
* 49 1,4-Difluorobenzene	114			8.699	8.698 (1.000)		520078	50.0000		
\$ 55 Toluene-D8	98			10.321	10.321 (1.187)		510273	53.5026	53.5	
* 66 Chlorobenzene-D5	117			12.187	12.187 (1.000)		529704	50.0000		
67 Chlorobenzene	112			12.208	12.208 (1.002)		1307203	120.625	121	
75 Isopropylbenzene	105			13.438	13.437 (0.866)		12617	0.68334	0.68(a)	
\$ 76 P-Bromofluorobenzene	95			13.838	13.838 (1.591)		245559	48.9325	48.9	
90 1,3-Dichlorobenzene	146			15.396	15.396 (0.992)		7482	0.91923	0.92(a)	
* 91 1,4-Dichlorobenzene-D4	152			15.518	15.518 (1.000)		314146	50.0000		
92 1,4-Dichlorobenzene	146			15.539	15.539 (1.001)		124749	14.0981	14.1	
94 sec-Butylbenzene	105			15.060	15.067 (0.971)		13518	0.65887	0.66(a)	
95 1,2-Dichlorobenzene	146			16.218	16.218 (1.045)		120208	16.3205	16.3	
M 153 Total Alkylbenzenes	100						13518	0.65887	0.66(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\target_server\gs\chem\goms-c.i\CO41615,b\C2347.D
 Date : 16-APR-2015 17:02
 Client ID: AOC9-HM15LTH040715
 Sample Info: S12201-11

Instrument: goms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2347.D

Date : 16-APR-2015 17:02

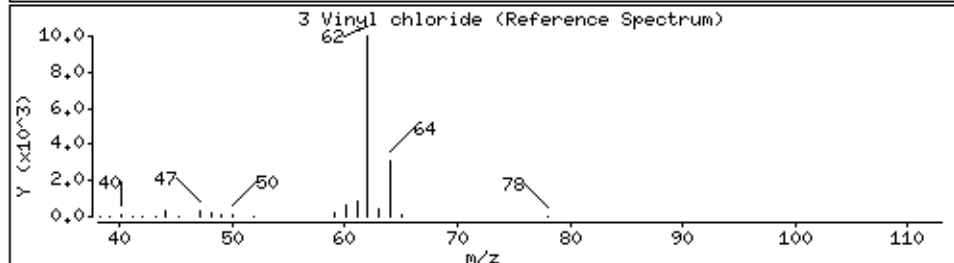
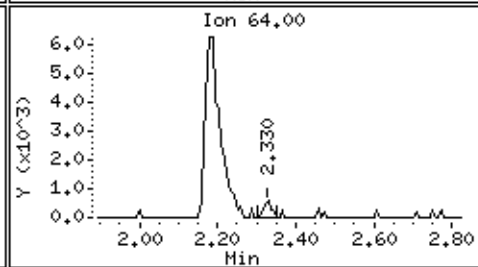
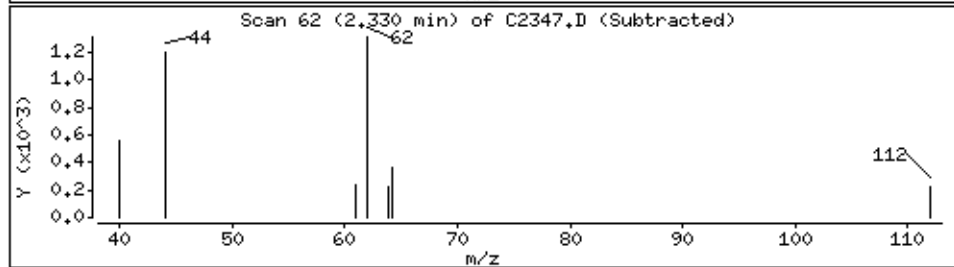
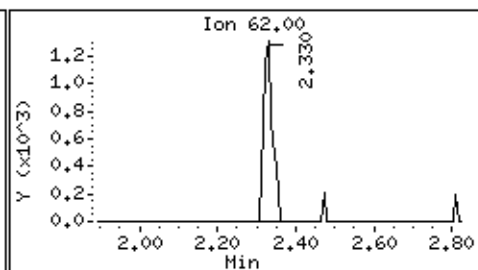
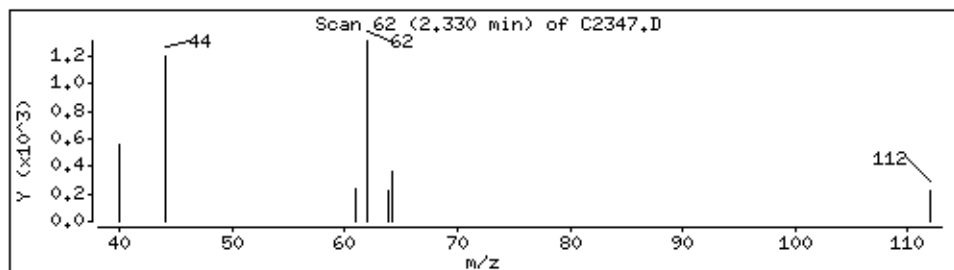
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Instrument: gcms-c.i

Sample Info: SI2201-11

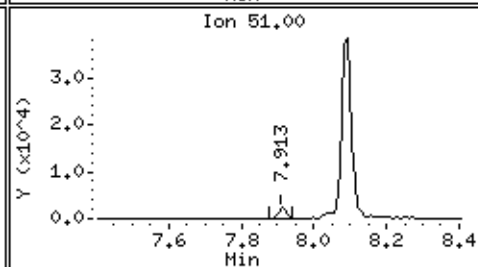
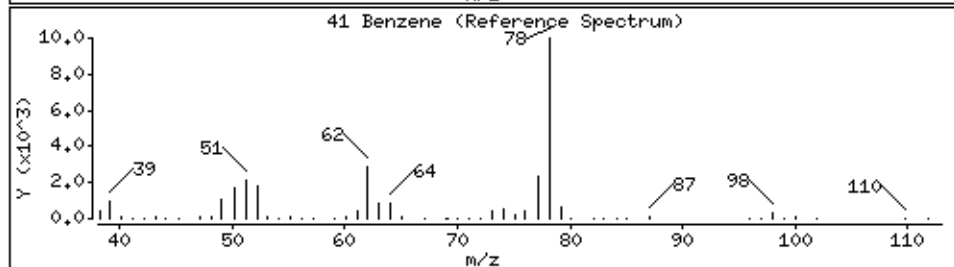
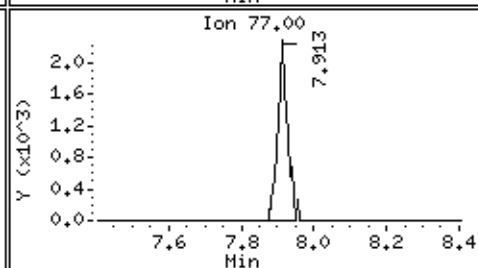
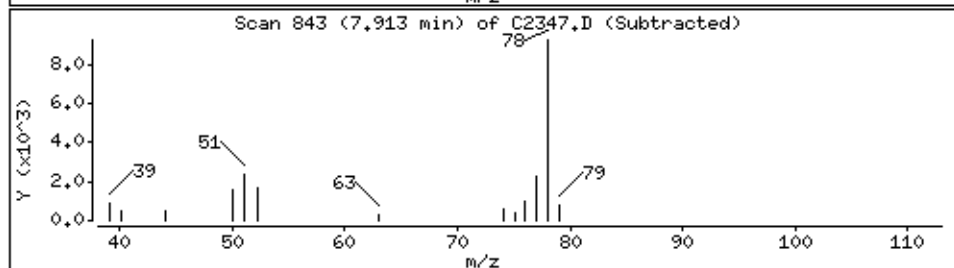
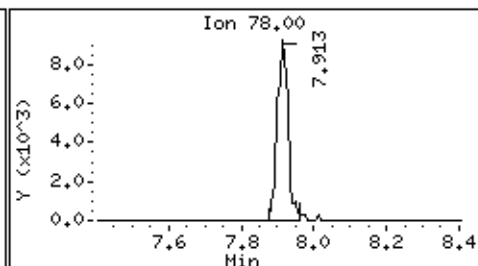
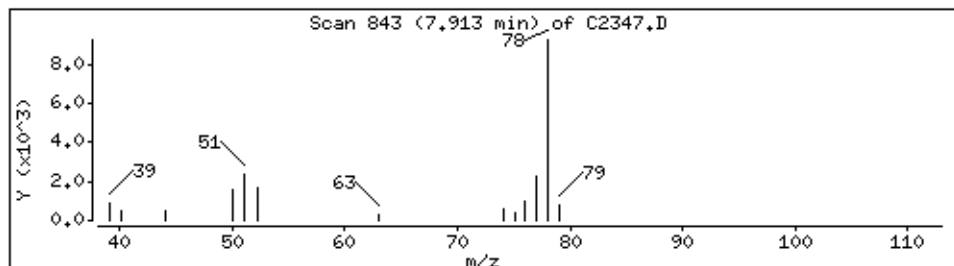
3 Vinyl chloride

Concentration: 0.40 ug/l



41 Benzene

Concentration: 1.3 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2347.D

Date : 16-APR-2015 17:02

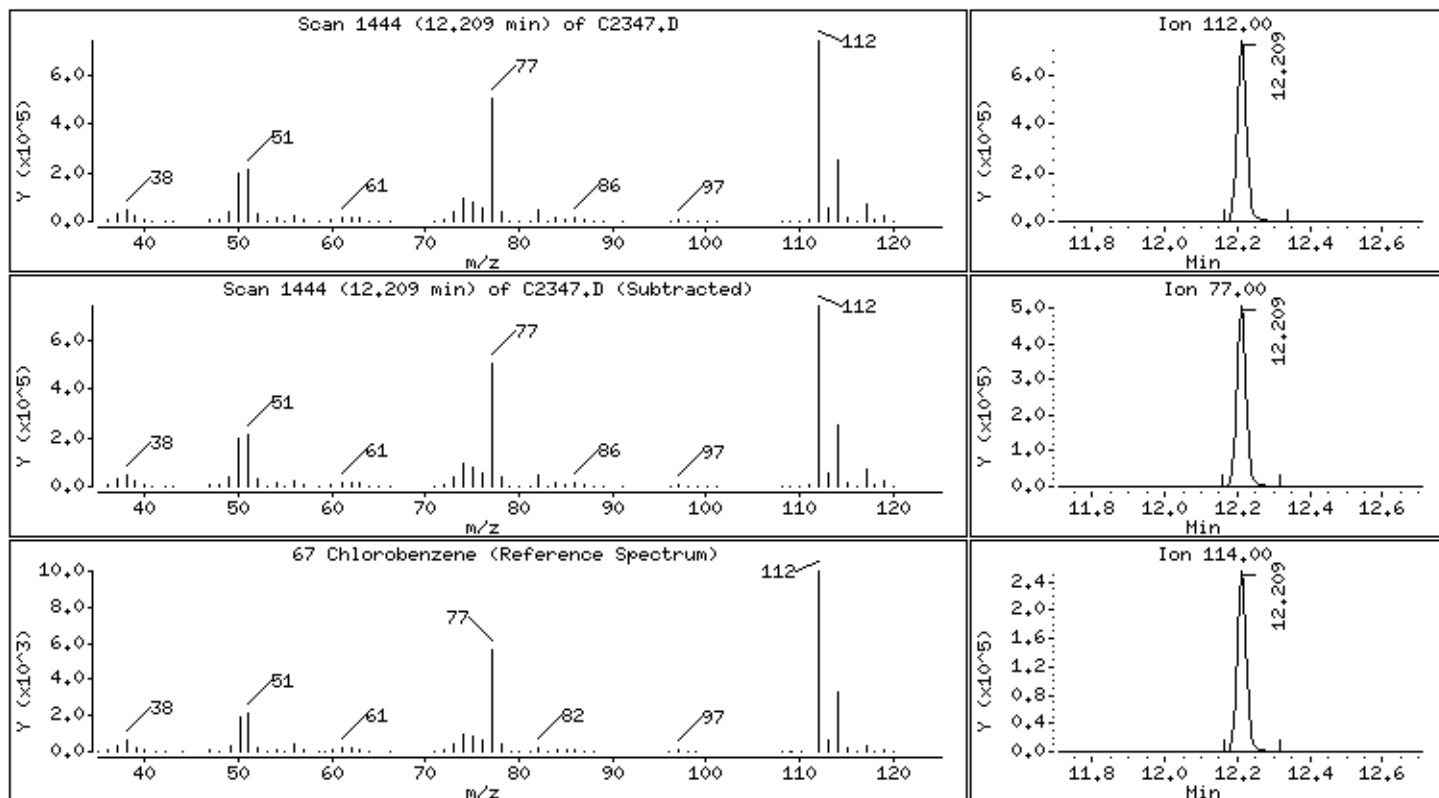
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Instrument: gcms-c.i

Sample Info: SI2201-11

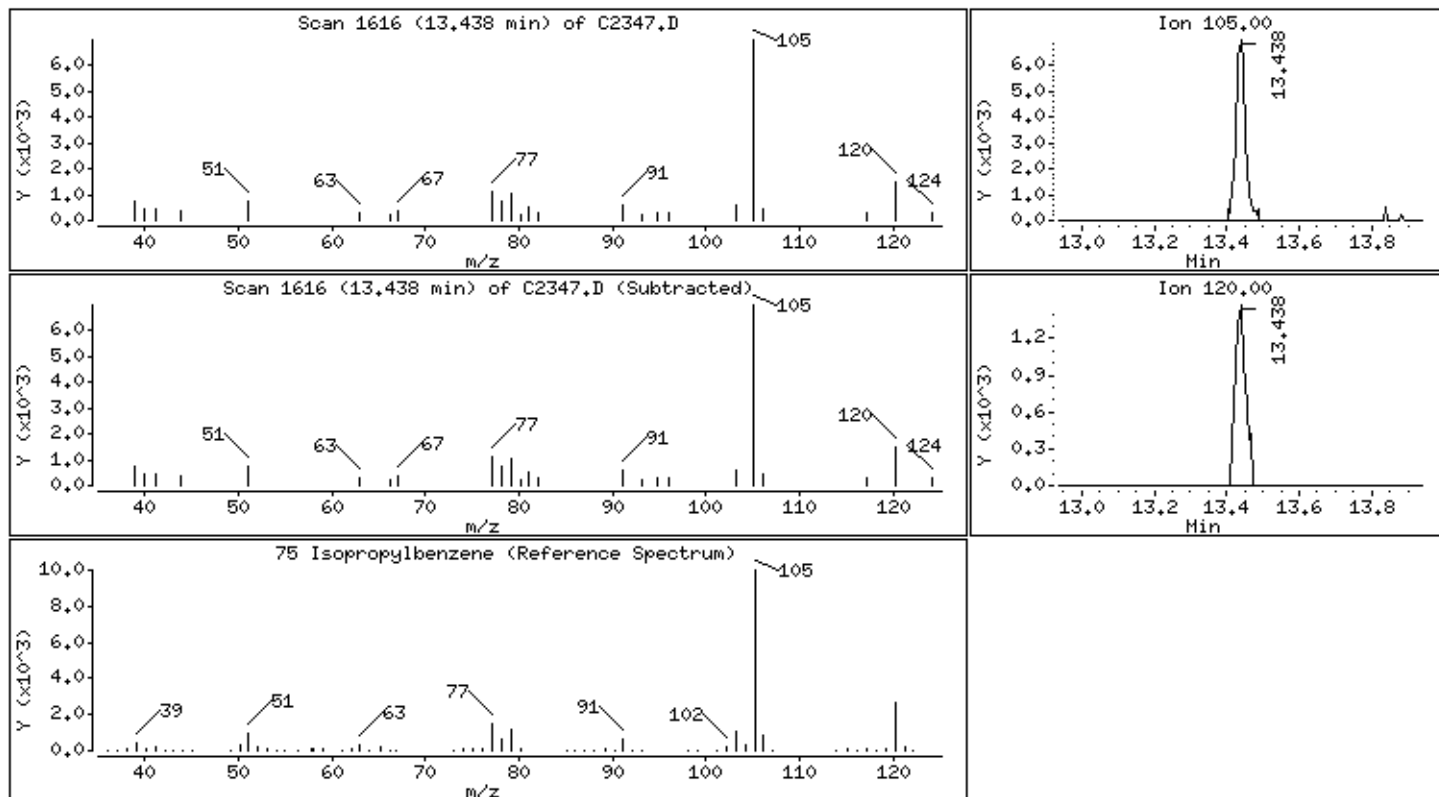
67 Chlorobenzene

Concentration: 121 ug/l



75 Isopropylbenzene

Concentration: 0.68 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2347.D

Date : 16-APR-2015 17:02

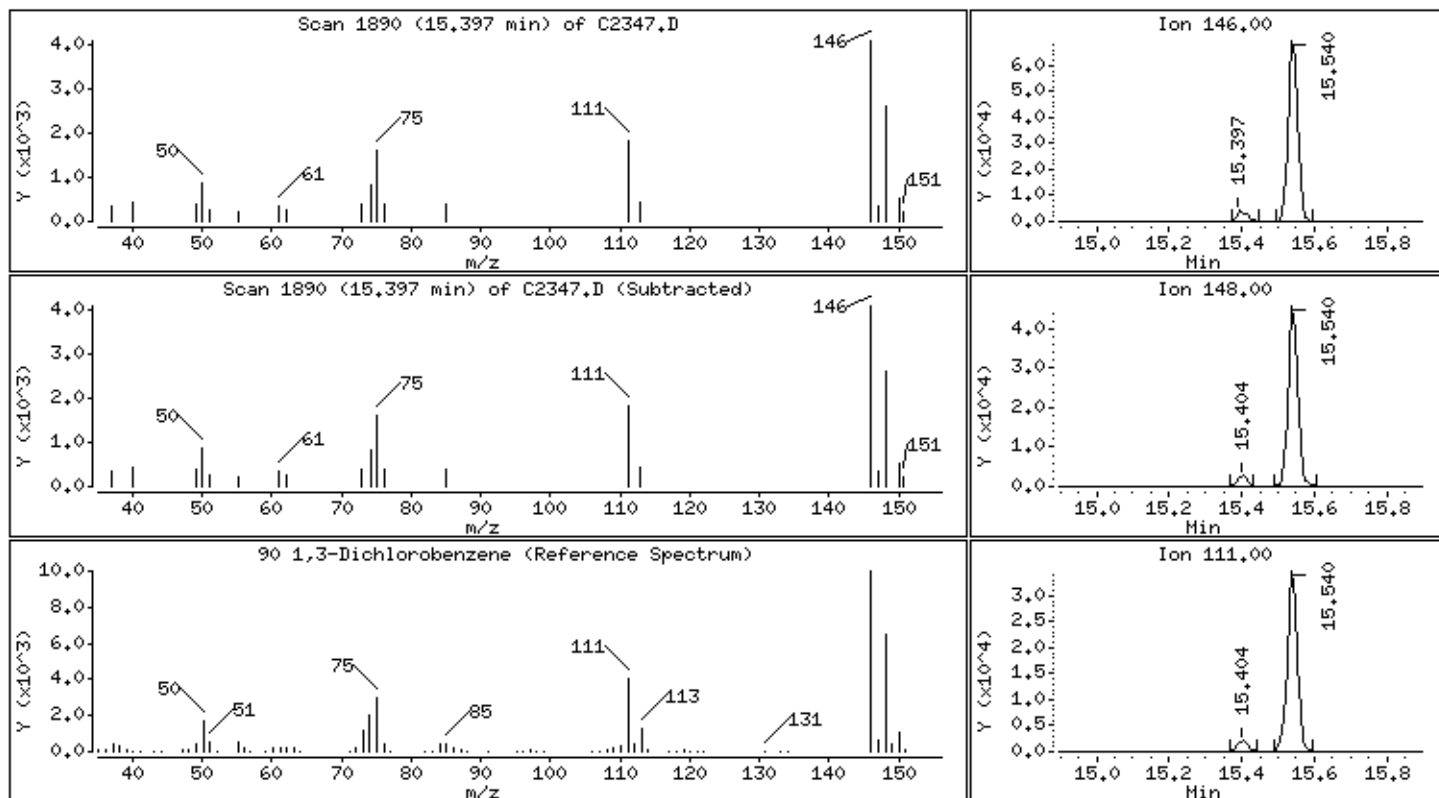
Client ID: AOC9-MW15LTH040715

Instrument: gcms-c.i

Sample Info: SI2201-11

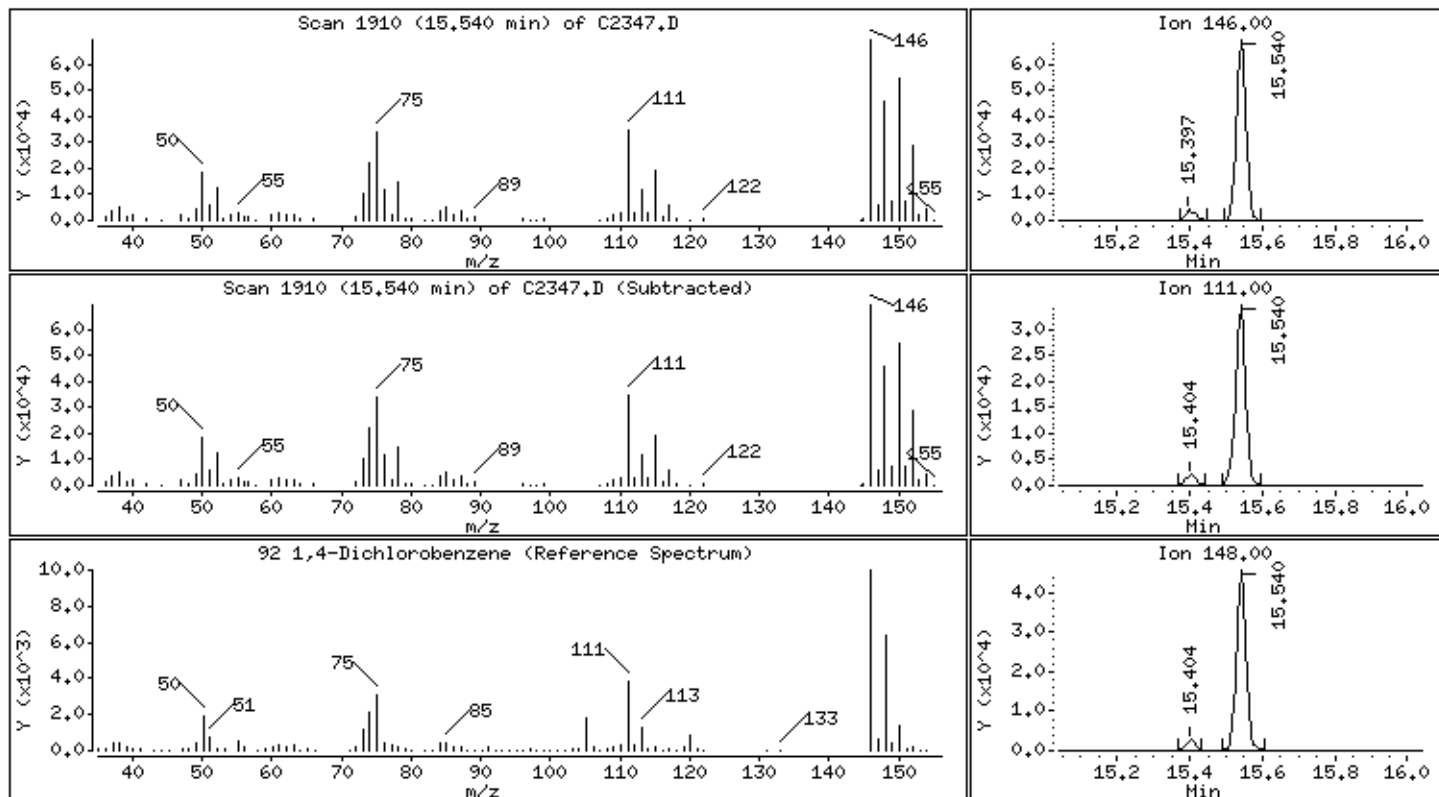
90 1,3-Dichlorobenzene

Concentration: 0.92 ug/l



92 1,4-Dichlorobenzene

Concentration: 14.1 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2347.D

Date : 16-APR-2015 17:02

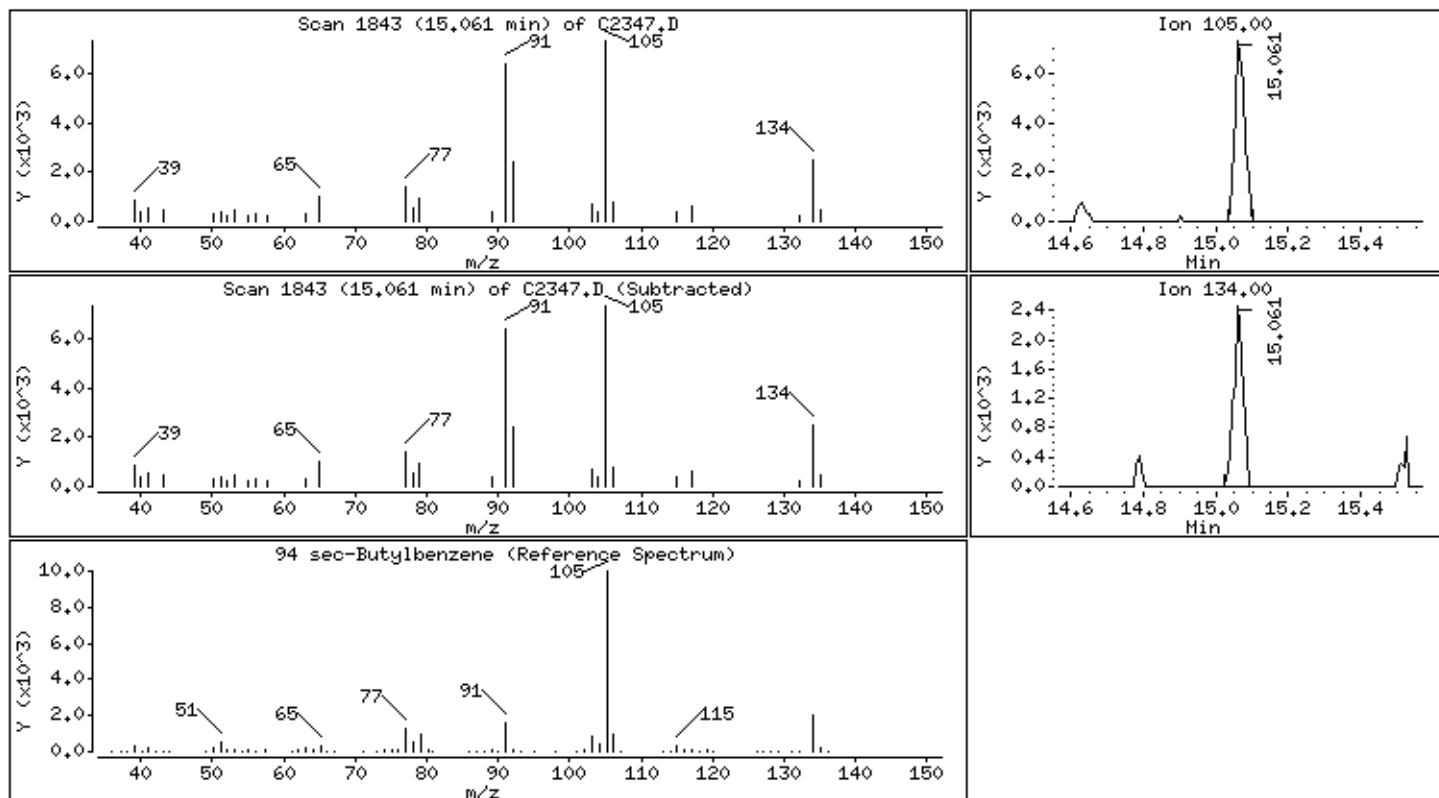
Client ID: AOC9-MW15LTH040715

Instrument: gcms-c.i

Sample Info: SI2201-11

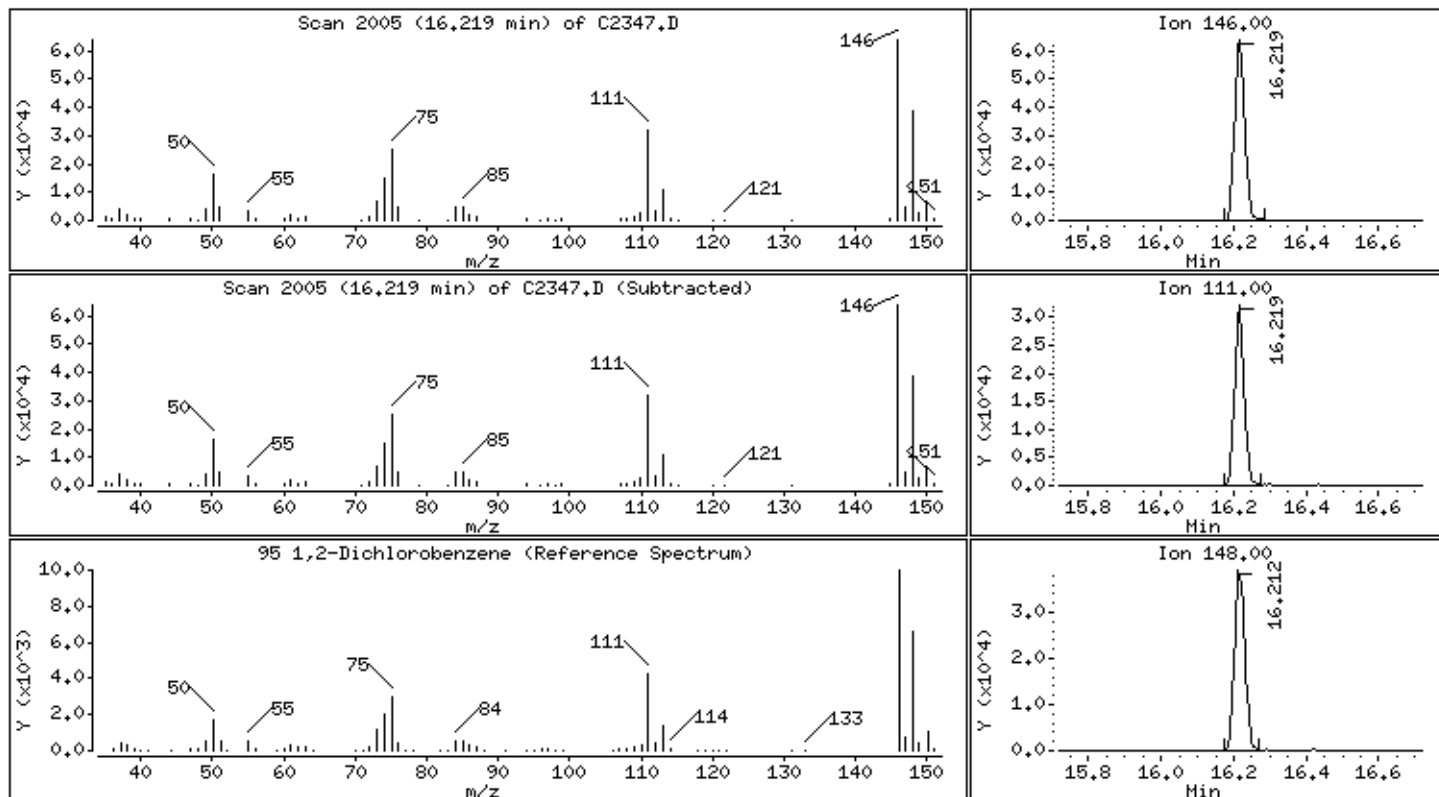
94 sec-Butylbenzene

Concentration: 0,66 ug/l



95 1,2-Dichlorobenzene

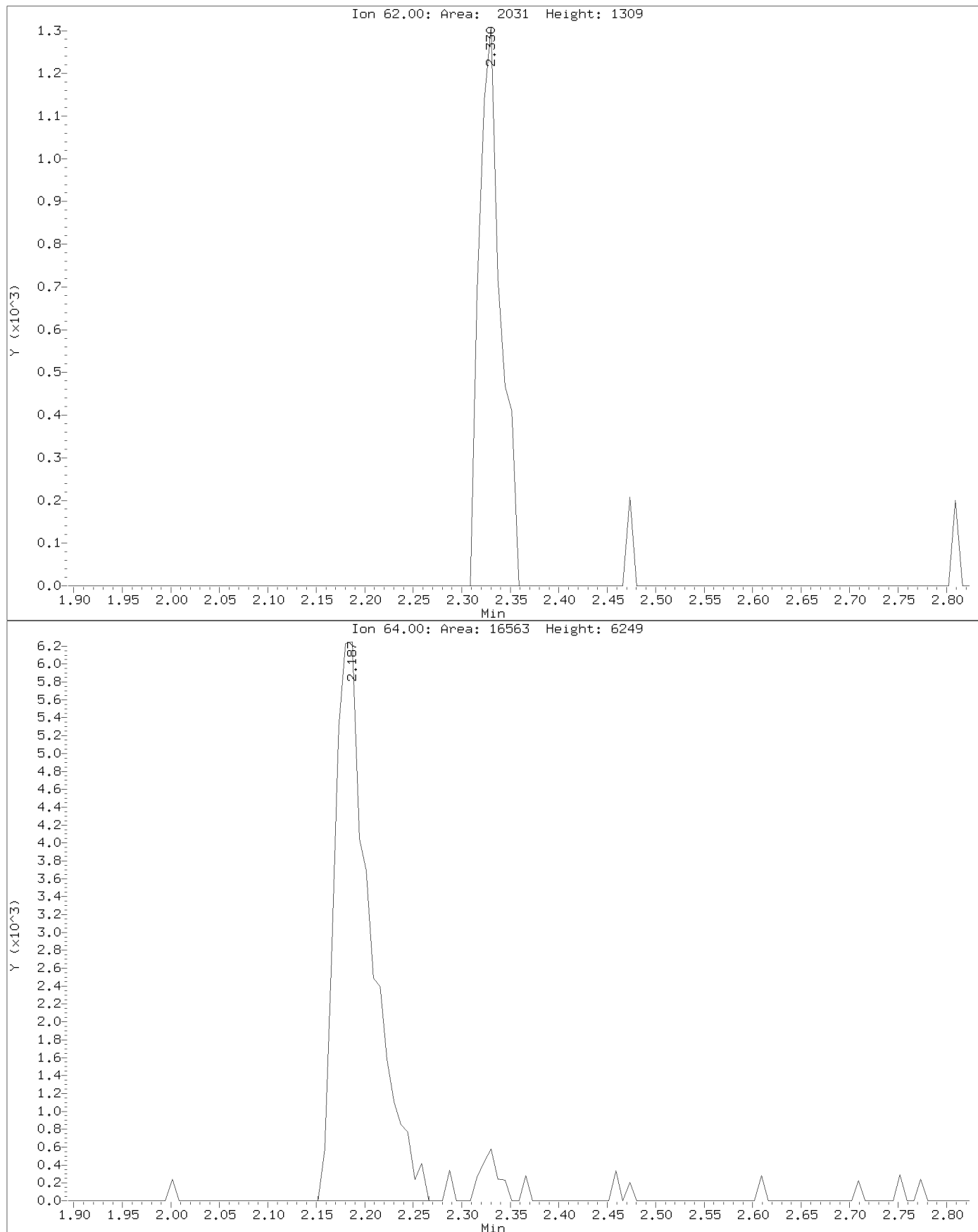
Concentration: 16.3 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\0041615.b\C2347.D
Injection Date: 16-APR-2015 17:02
Instrument: gcms-c.i
Client Sample ID: AOC9-MW15LTM040715

BEFORE MANUAL INTEGRATION

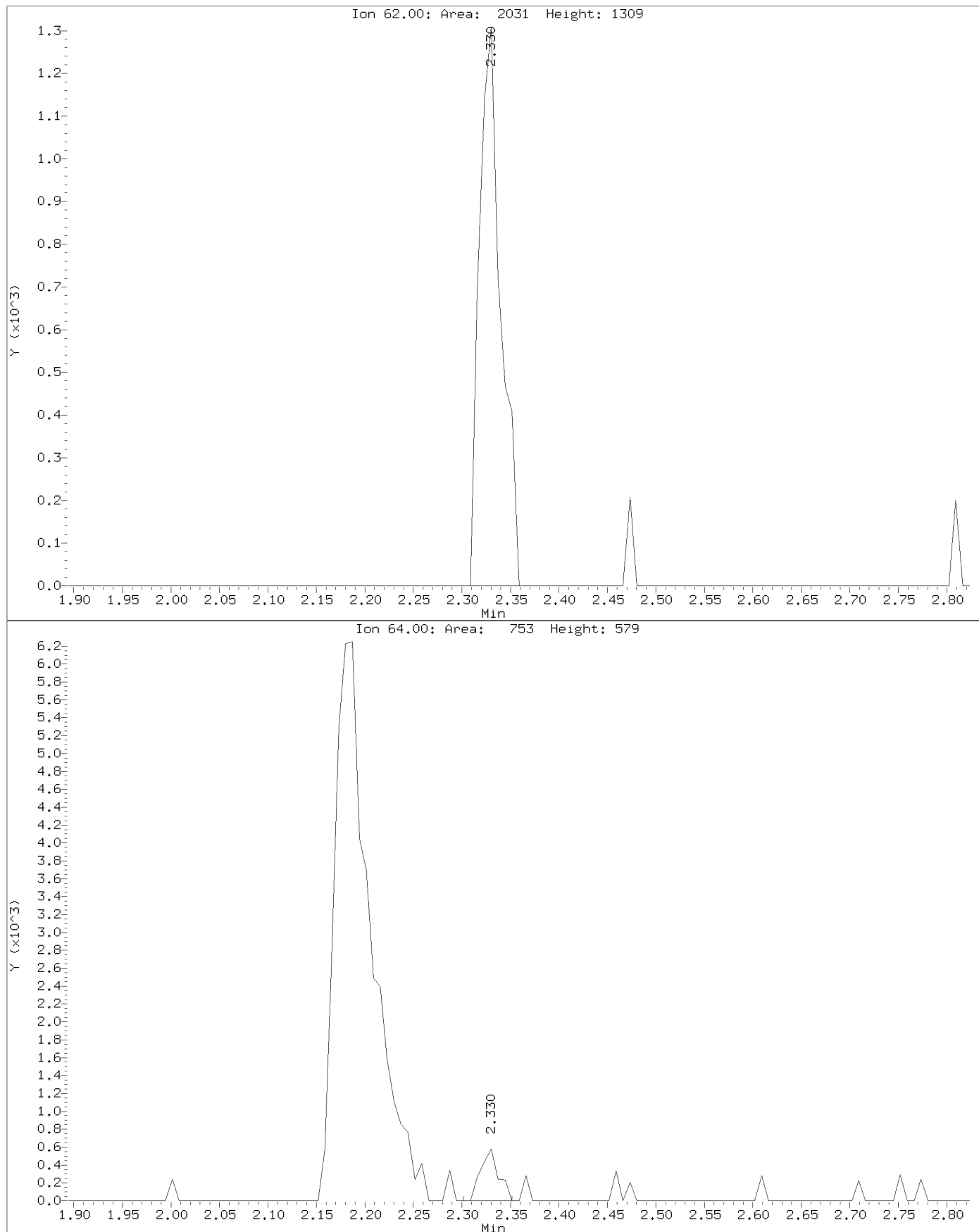
Compound: Vinyl chloride
CAS Number: 75-01-4



Data File: \\target_server\gg\chem\gcms-c.i\0041615.b\C2347.D
Injection Date: 16-APR-2015 17:02
Instrument: gcms-c.i
Client Sample ID: AOC9-MW15LTM040715

AFTER MANUAL INTEGRATION

Compound: Vinyl chloride
CAS Number: 75-01-4



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-12

Client ID: AOC9-MW15DLTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2348.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	J	0.27	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene		1.2	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.28	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-12

Client ID: AOC9-MW15DLTM040715

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2348.D

Sample Date: 07-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		120	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	J	0.64	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	J	0.99	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		14	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene		16	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	J	0.68	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		110.	%					
Toluene-d8		108.	%					
P-Bromofluorobenzene		98.3	%					
Dibromofluoromethane		99.6	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2348.D
Report Date: 23-Apr-2015 08:09

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041615.b\C2348.D
Lab Smp Id: SI2201-12 Client Smp ID: AOC9-MW15DLTM040715
Inj Date : 16-APR-2015 17:34 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-12
Misc Info : WG161286, WG160924-4
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041615.b\C826A36.m
Meth Date : 22-Apr-2015 15:23 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS		REVIEW CODE
						ON-COLUMN	FINAL	
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Vinyl chloride	62	2.332	2.322 (0.290)		1400	0.27428	0.27(a)	
\$ 37 Dibromofluoromethane	113	7.400	7.405 (0.920)		152267	49.8186	49.8	
41 Benzene	78	7.914	7.905 (0.910)		17895	1.19951	1.2	
* 42 Pentafluorobenzene	168	8.043	8.041 (1.000)		304671	50.0000		
\$ 45 1,2-Dichloroethane-D4	65	8.093	8.090 (1.006)		225655	55.1812	55.2	
48 Trichloroethene	95	8.650	8.648 (0.994)		1290	0.28414	0.28(a)	
* 49 1,4-Difluorobenzene	114	8.700	8.698 (1.000)		529432	50.0000		
\$ 55 Toluene-D8	98	10.323	10.321 (1.186)		523001	53.8682	53.9	
* 66 Chlorobenzene-D5	117	12.189	12.187 (1.000)		537221	50.0000		
67 Chlorobenzene	112	12.210	12.208 (1.002)		1317635	119.886	120	
75 Isopropylbenzene	105	13.432	13.437 (0.866)		12260	0.63997	0.64(a)	
\$ 76 P-Bromofluorobenzene	95	13.833	13.838 (1.590)		251062	49.1452	49.1	
90 1,3-Dichlorobenzene	146	15.412	15.396 (0.993)		8336	0.98708	0.99(aM)	M10
* 91 1,4-Dichlorobenzene-D4	152	15.520	15.518 (1.000)		325946	50.0000		
92 1,4-Dichlorobenzene	146	15.541	15.539 (1.001)		131050	14.2740	14.3	
94 sec-Butylbenzene	105	15.062	15.067 (0.971)		14441	0.67837	0.68(a)	
95 1,2-Dichlorobenzene	146	16.220	16.218 (1.045)		120842	15.8126	15.8	
M 153 Total Alkylbenzenes	100				14441	0.67837	0.68(a)	

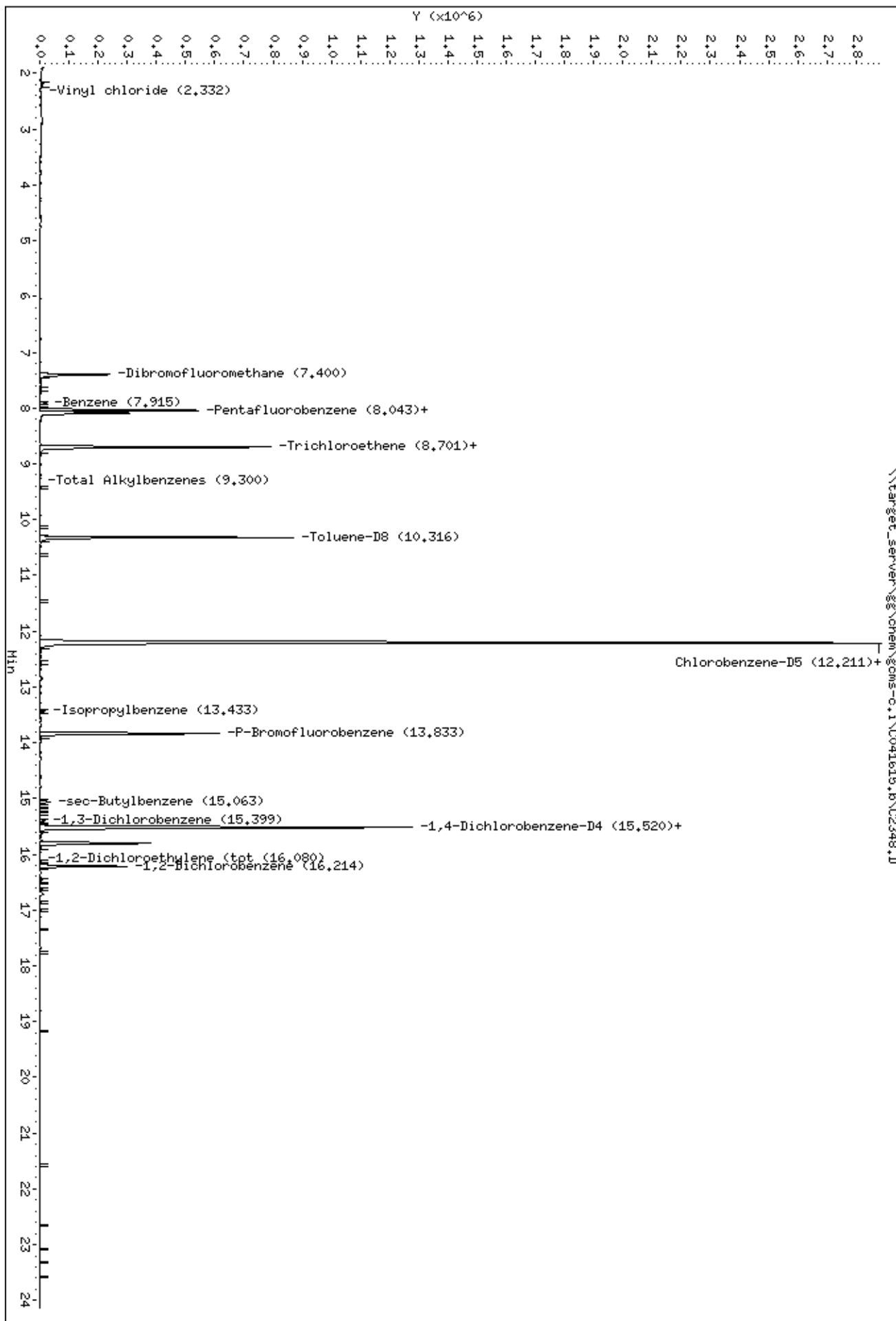
8:18 am, Apr 23, 2015

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: \\target_server\gs\chem\goms-c.i\CO41615.b\C2348.D
 Date : 16-APR-2015 17:34
 Client ID: AOC9-HM15DLTH040715
 Sample Info: S12201-12

Instrument: goms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2348.D

Date : 16-APR-2015 17:34

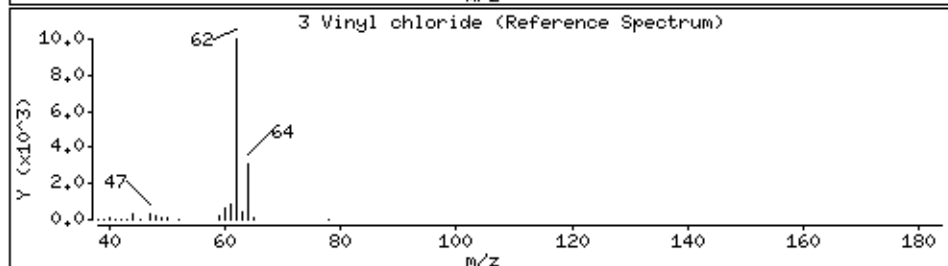
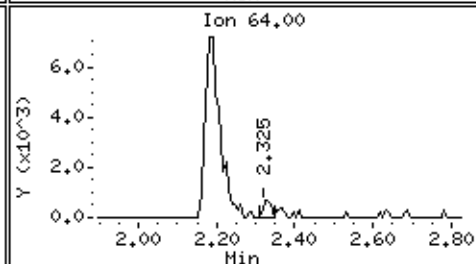
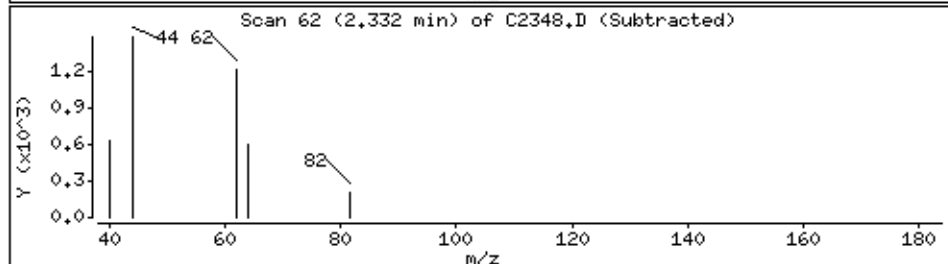
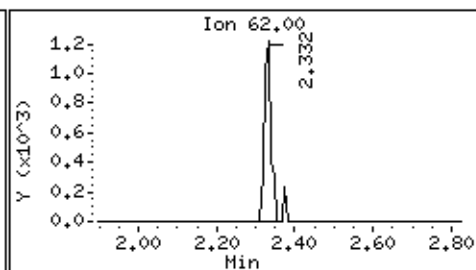
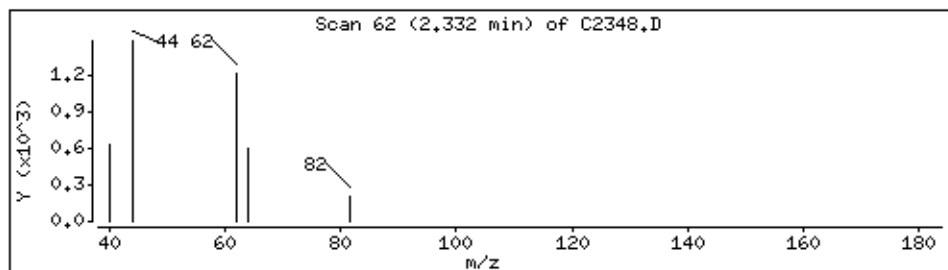
Client ID: AOC9-MW15DLTM040715

Instrument: gcms-c.i

Sample Info: SI2201-12

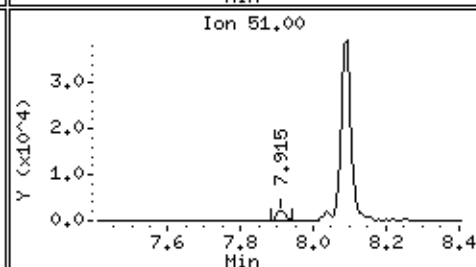
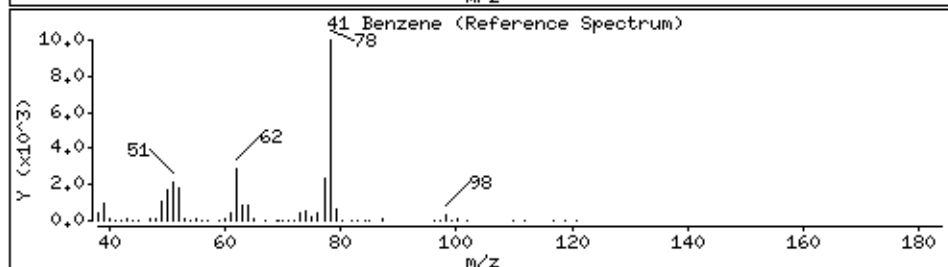
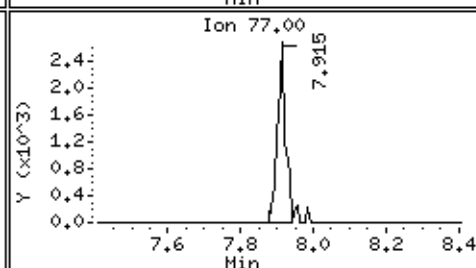
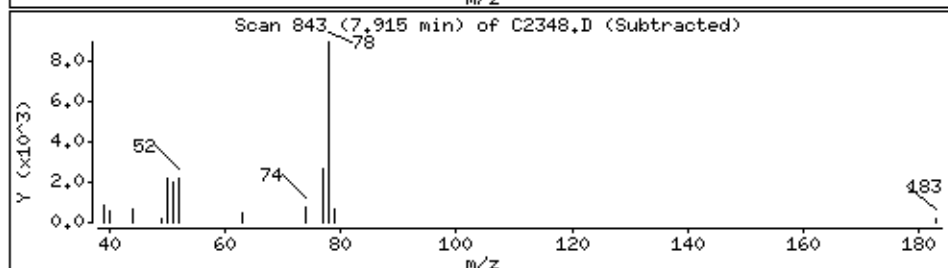
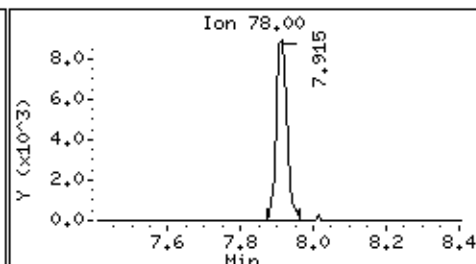
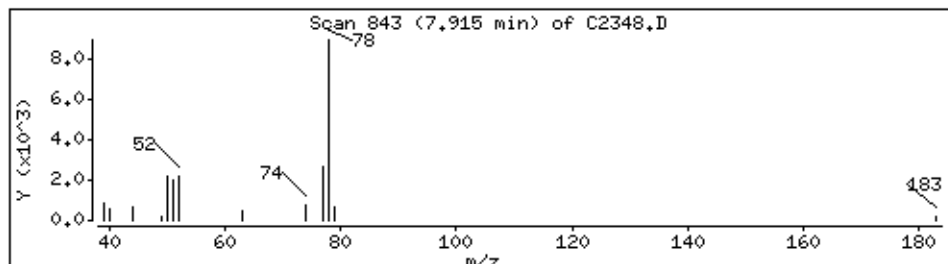
3 Vinyl chloride

Concentration: 0,27 ug/l



41 Benzene

Concentration: 1,2 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2348.D

Date : 16-APR-2015 17:34

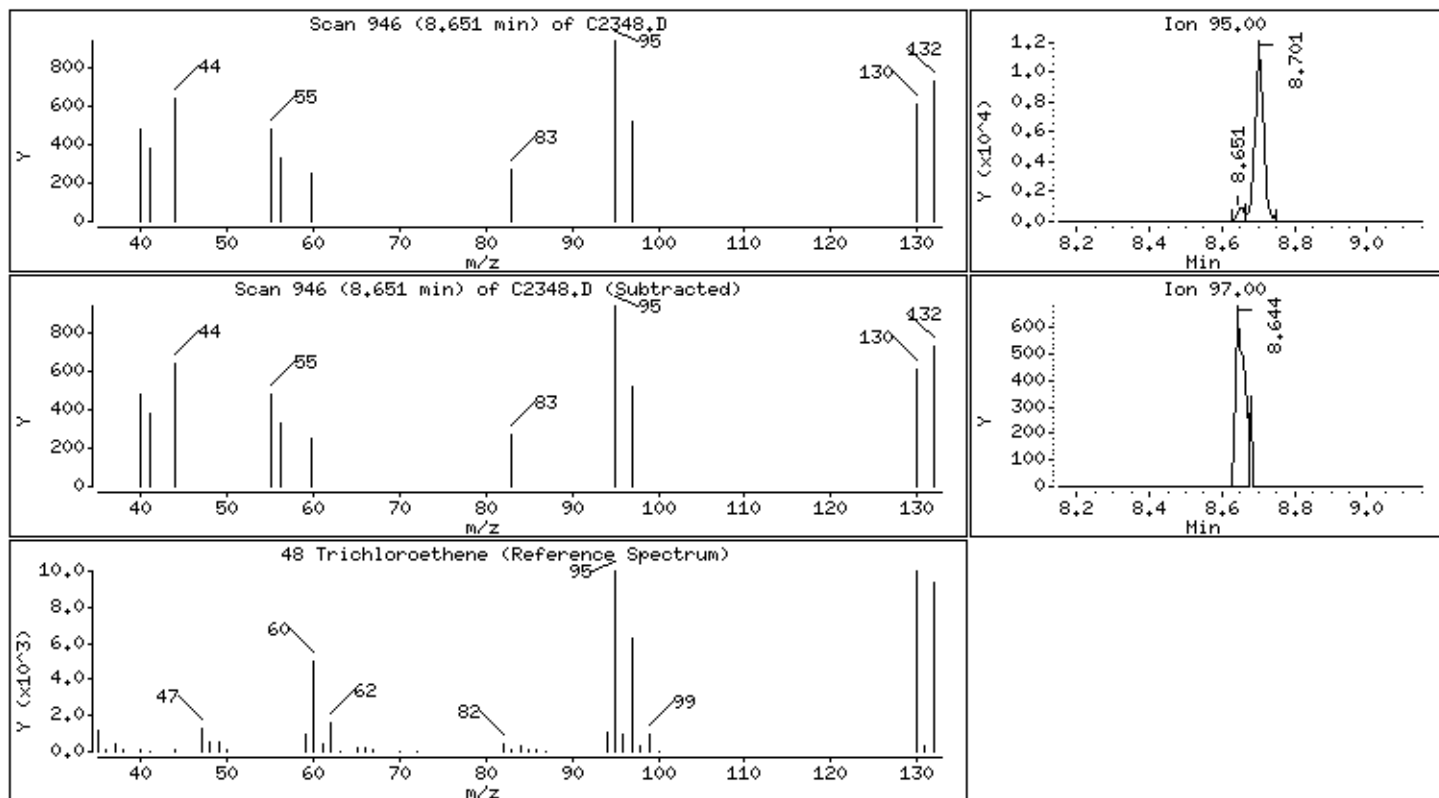
Client ID: AOC9-MW15DLTM040715

Instrument: gcms-c.i

Sample Info: SI2201-12

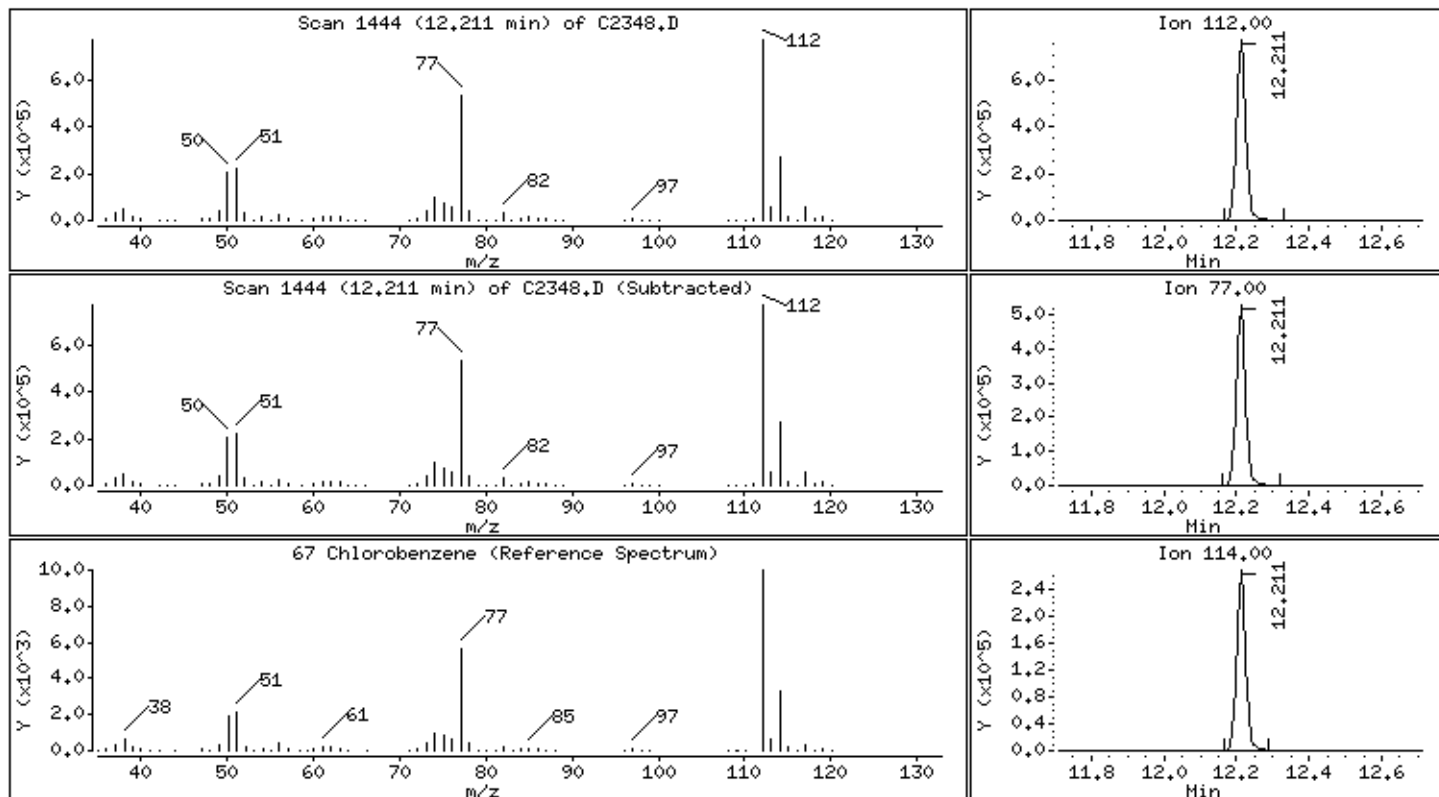
48 Trichloroethene

Concentration: 0,28 ug/l



67 Chlorobenzene

Concentration: 120 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2348.D

Date : 16-APR-2015 17:34

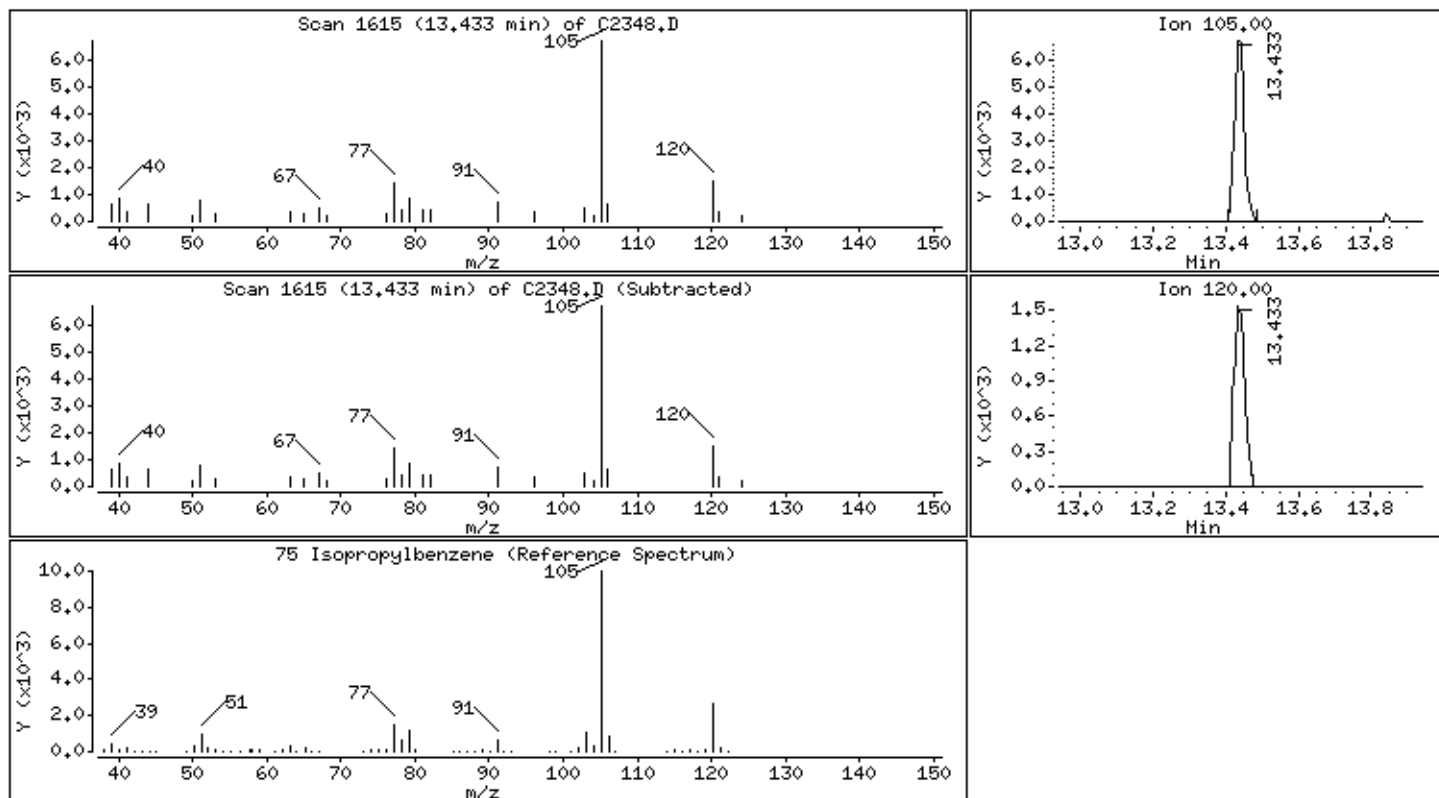
Client ID: AOC9-MW15DLTM040715

Instrument: gcms-c.i

Sample Info: SI2201-12

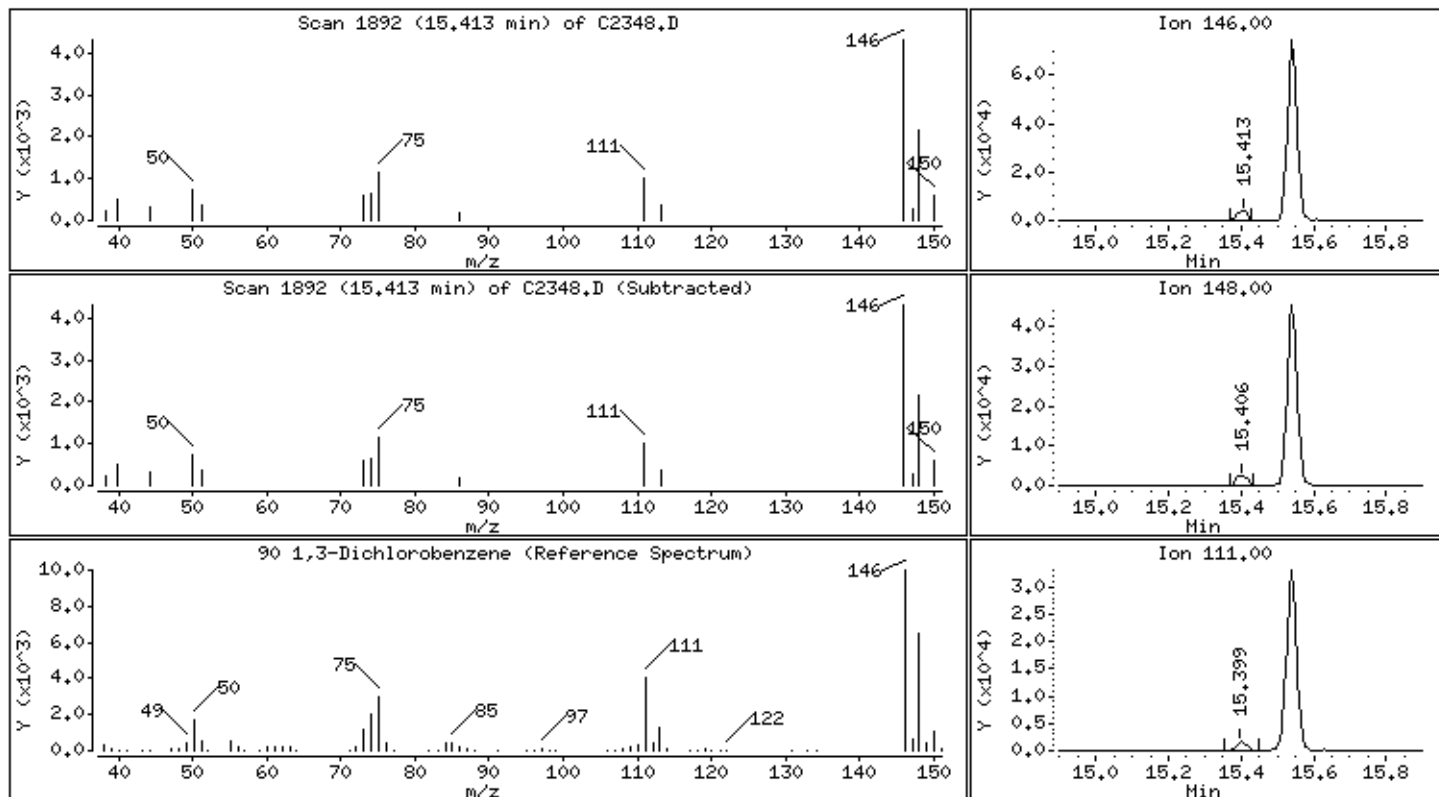
75 Isopropylbenzene

Concentration: 0,64 ug/l



90 1,3-Dichlorobenzene

Concentration: 0,99 ug/l



Data File: \\target_server\gg\chem\gms-c.i\C041615,b\C2348.D

Date : 16-APR-2015 17:34

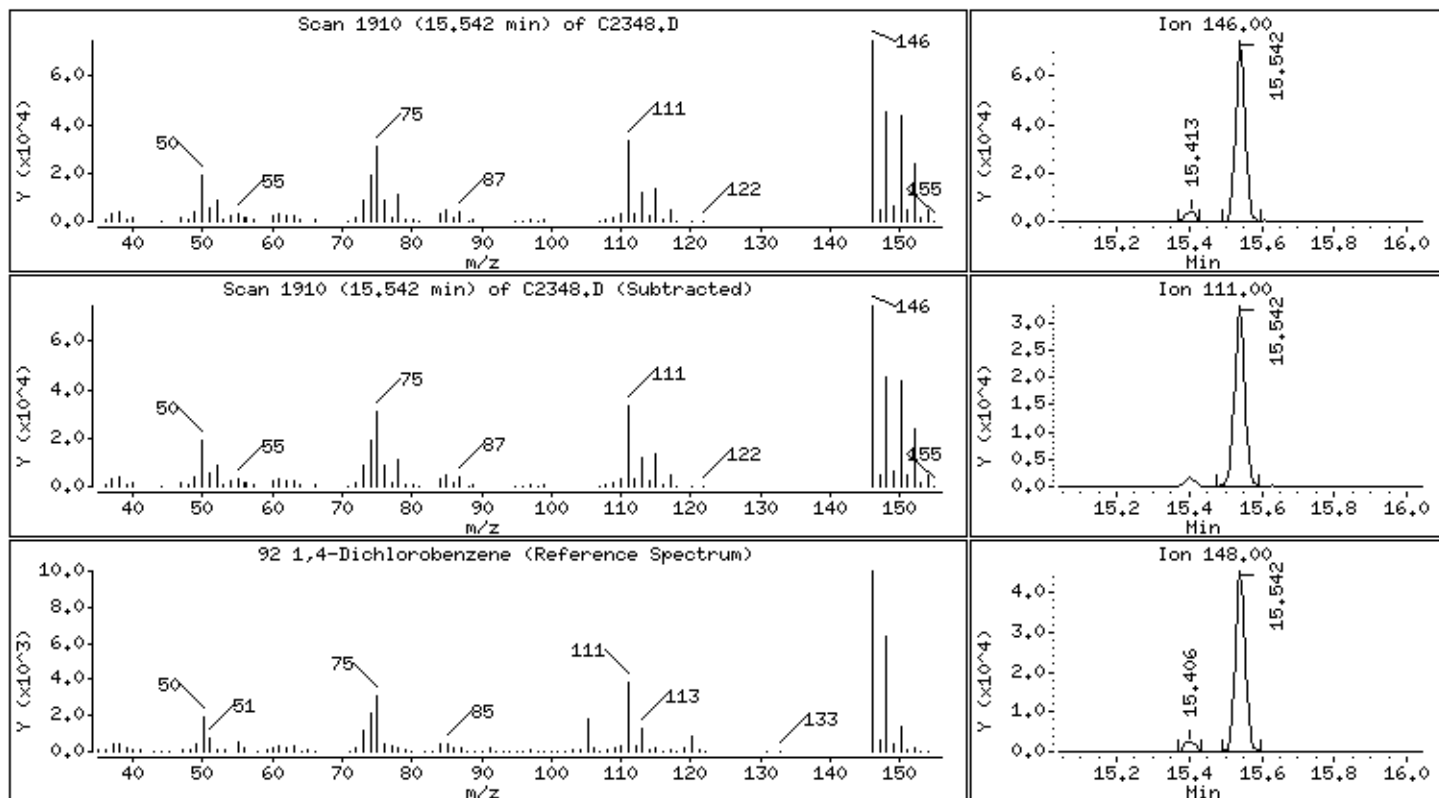
Client ID: AOC9-MW15DLTM040715

Instrument: gms-c.i

Sample Info: SI2201-12

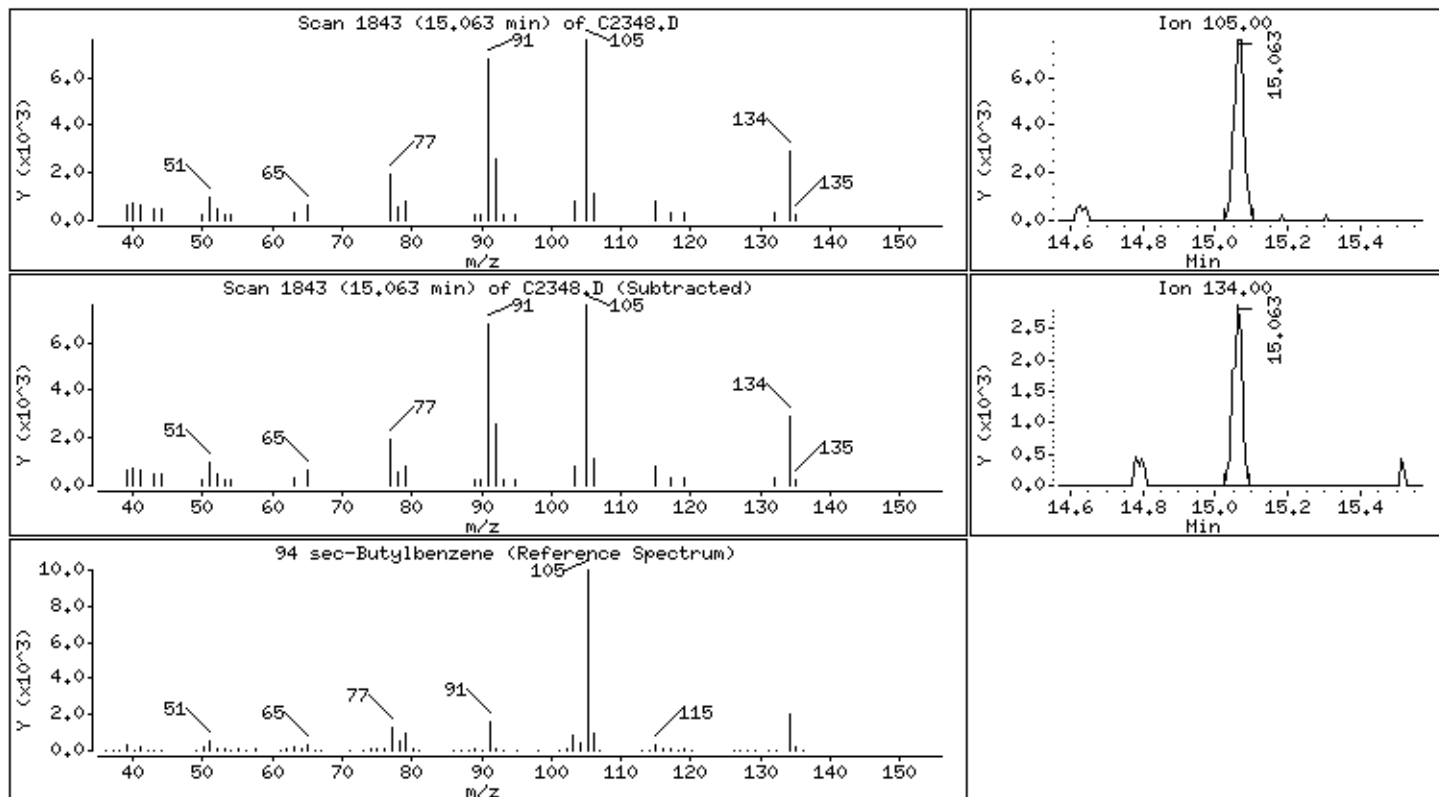
92 1,4-Dichlorobenzene

Concentration: 14.3 ug/l



94 sec-Butylbenzene

Concentration: 0.68 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2348.D

Date : 16-APR-2015 17:34

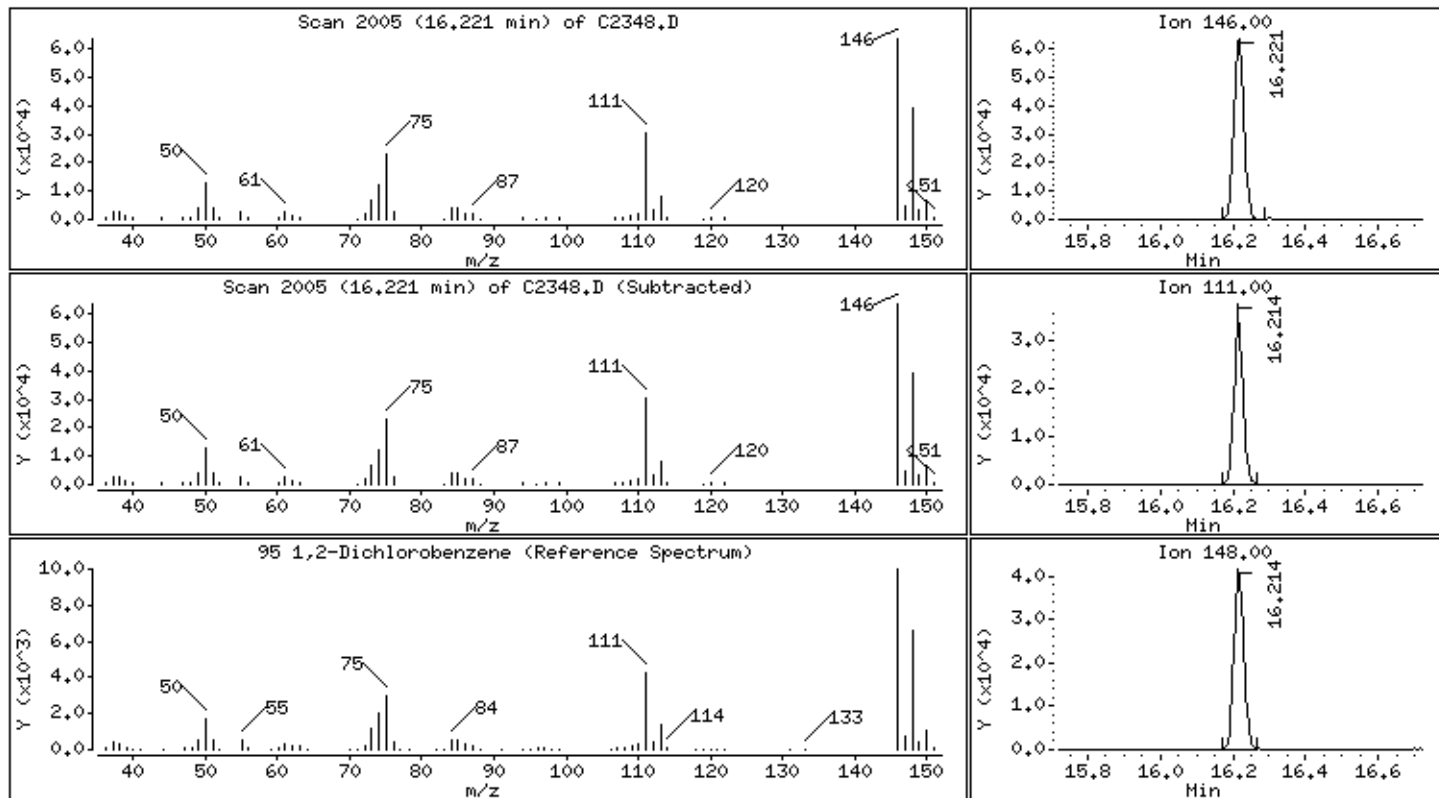
Client ID: AOC9-MW15DLTM040715

Instrument: gcms-c.i

Sample Info: SI2201-12

95 1,2-Dichlorobenzene

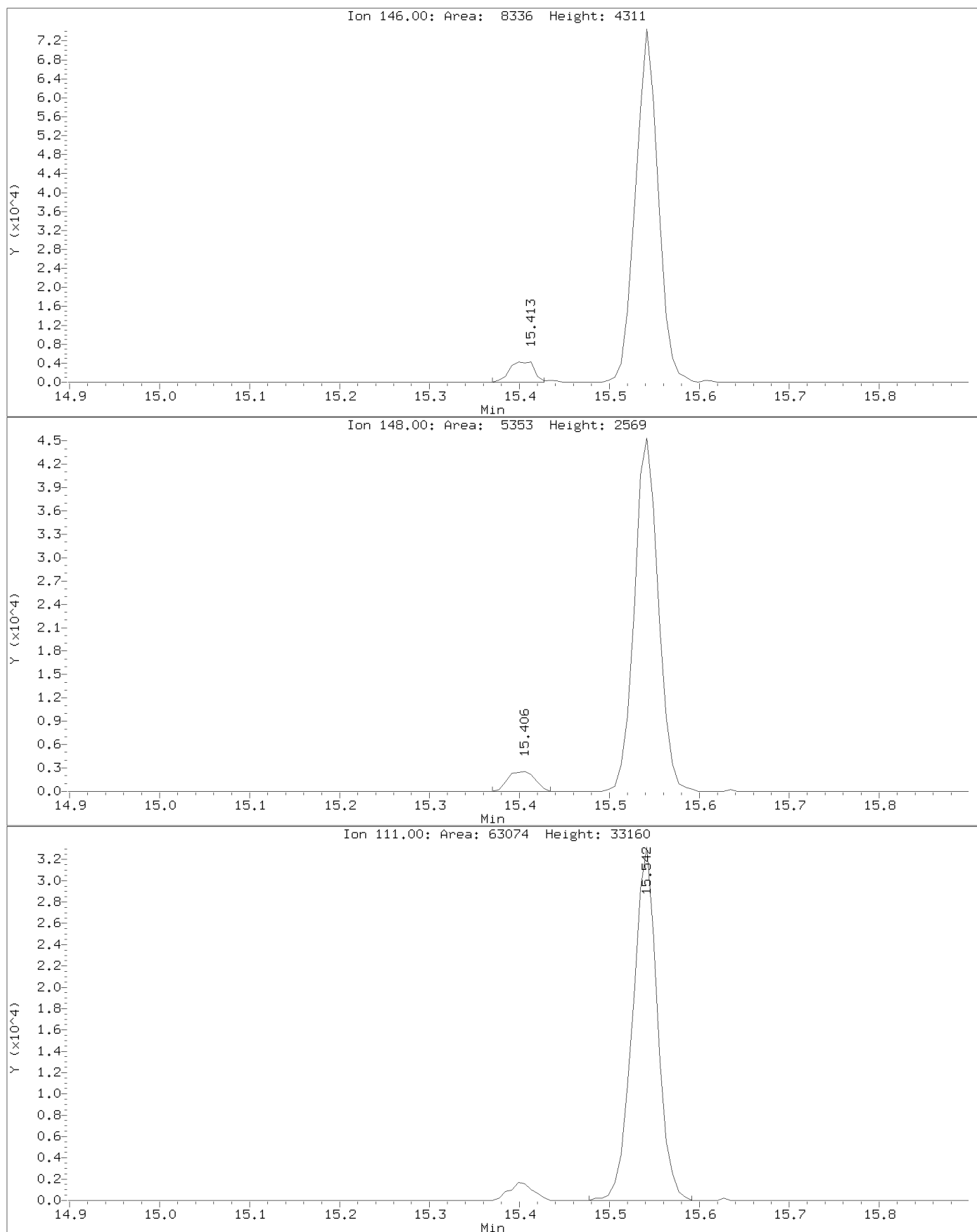
Concentration: 15.8 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2348.D
Injection Date: 16-APR-2015 17:34
Instrument: gcms-c.i
Client Sample ID: AOC9-MW15DLTM040715

BEFORE MANUAL INTEGRATION

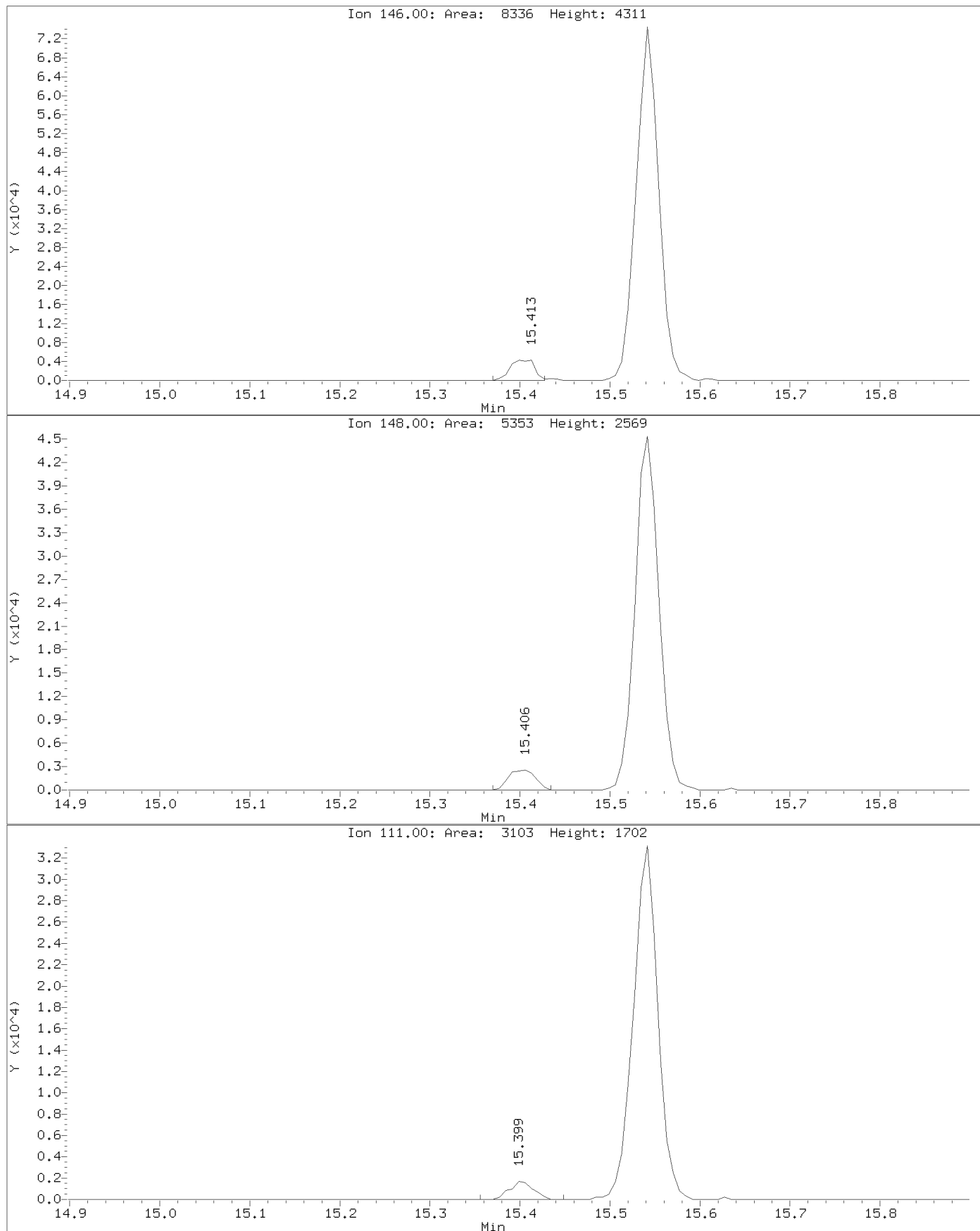
Compound: 1,3-Dichlorobenzene
CAS Number: 541-73-1



Data File: \\target_server\gg\chem\gcms-c.i\0041615.b\C2348.D
Injection Date: 16-APR-2015 17:34
Instrument: gcms-c.i
Client Sample ID: AOC9-MW15DLTM040715

Compound: 1,3-Dichlorobenzene
CAS Number: 541-73-1

AFTER MANUAL INTEGRATION



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-13

Client ID: AOC9-MW14LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2349.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	J	0.44	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene		2.9	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-13

Client ID: AOC9-MW14LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2349.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		150	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	J	0.64	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		8.9	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene		10	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	J	0.29	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		105.	%					
Toluene-d8		108.	%					
P-Bromofluorobenzene		96.8	%					
Dibromofluoromethane		97.9	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2349.D
Report Date: 23-Apr-2015 08:09

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041615.b\C2349.D
Lab Smp Id: SI2201-13 Client Smp ID: AOC9-MW14LTM040815
Inj Date : 16-APR-2015 18:06 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-13
Misc Info : WG161286, WG160924-4
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041615.b\C826A36.m
Meth Date : 22-Apr-2015 15:23 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS		REVIEW CODE
						ON-COLUMN	FINAL	
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
29 cis-1,2-Dichloroethene	96	6.761	6.761	(0.841)	2155	0.50141	0.50(aM)	M9
M 30 1,2-Dichloroethylene (total)	96				2155	0.50141	0.50(a)	
\$ 37 Dibromofluoromethane	113	7.397	7.405	(0.920)	153963	48.9614	49.0	
41 Benzene	78	7.904	7.905	(0.909)	43215	2.90456	2.9	
* 42 Pentafluorobenzene	168	8.040	8.041	(1.000)	313458	50.0000		
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090	(1.006)	220714	52.4599	52.4	
* 49 1,4-Difluorobenzene	114	8.698	8.698	(1.000)	528001	50.0000		
\$ 55 Toluene-D8	98	10.320	10.321	(1.187)	523461	54.0617	54.1	
* 66 Chlorobenzene-D5	117	12.186	12.187	(1.000)	542567	50.0000		
67 Chlorobenzene	112	12.207	12.208	(1.002)	1662037	149.732	150	
\$ 76 P-Bromofluorobenzene	95	13.837	13.838	(1.591)	246530	48.3888	48.4	
90 1,3-Dichlorobenzene	146	15.402	15.396	(0.993)	5472	0.64347	0.64(a)	
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	328214	50.0000		
92 1,4-Dichlorobenzene	146	15.538	15.539	(1.001)	82052	8.87537	8.9	
94 sec-Butylbenzene	105	15.067	15.067	(0.971)	6147	0.28676	0.29(a)	
95 1,2-Dichlorobenzene	146	16.217	16.218	(1.045)	77166	10.0277	10.0	
M 153 Total Alkylbenzenes	100				6147	0.28676	0.29(a)	

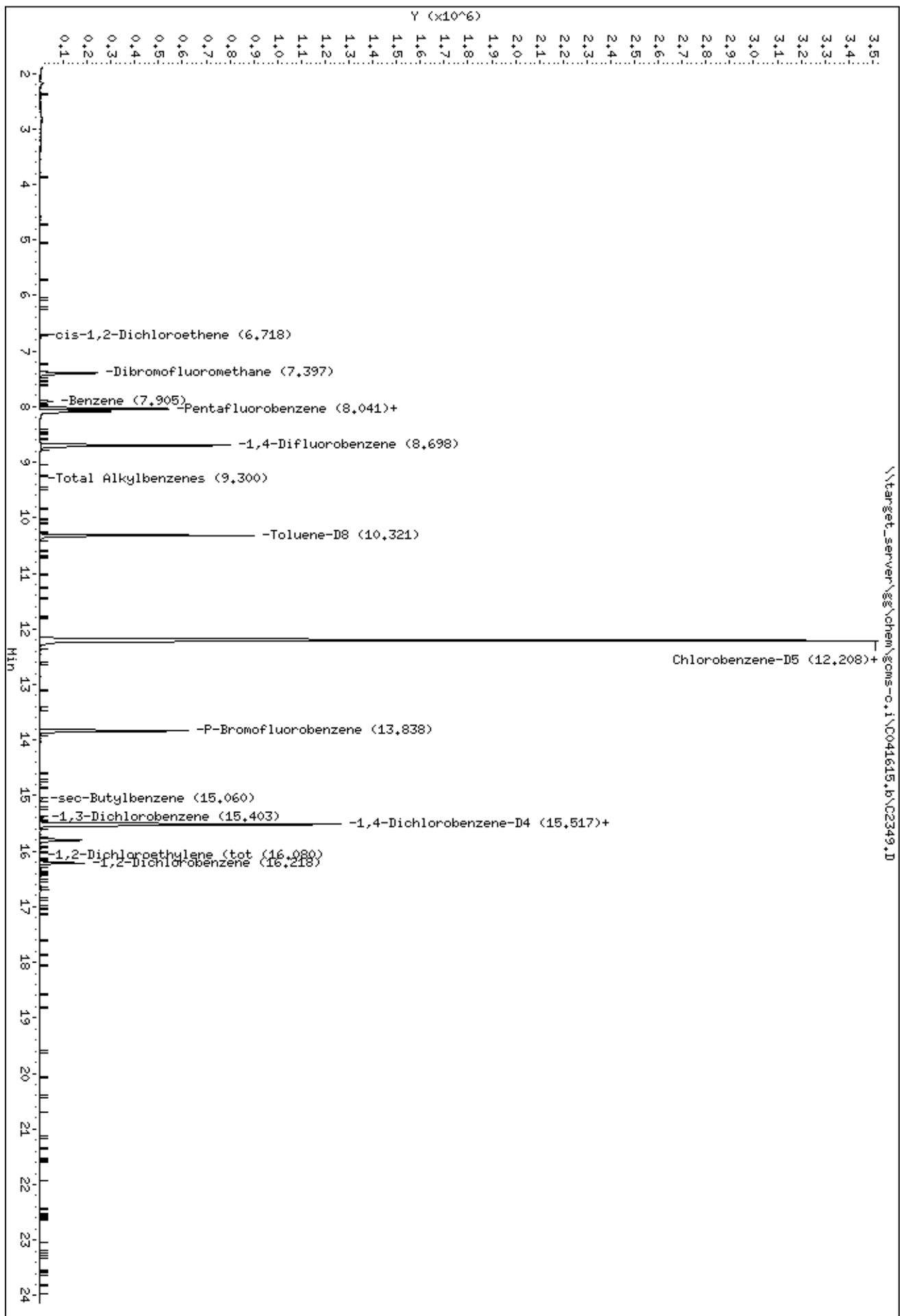
8:19 am, Apr 23, 2015

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: \\target_server\gs\chem\goms-c.i\CO41615,b\C2349.D
 Date : 16-APR-2015 18:06
 Client ID: AOC9-HM14LTH040815
 Sample Info: S12201-13

Instrument: goms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2349.D

Date : 16-APR-2015 18:06

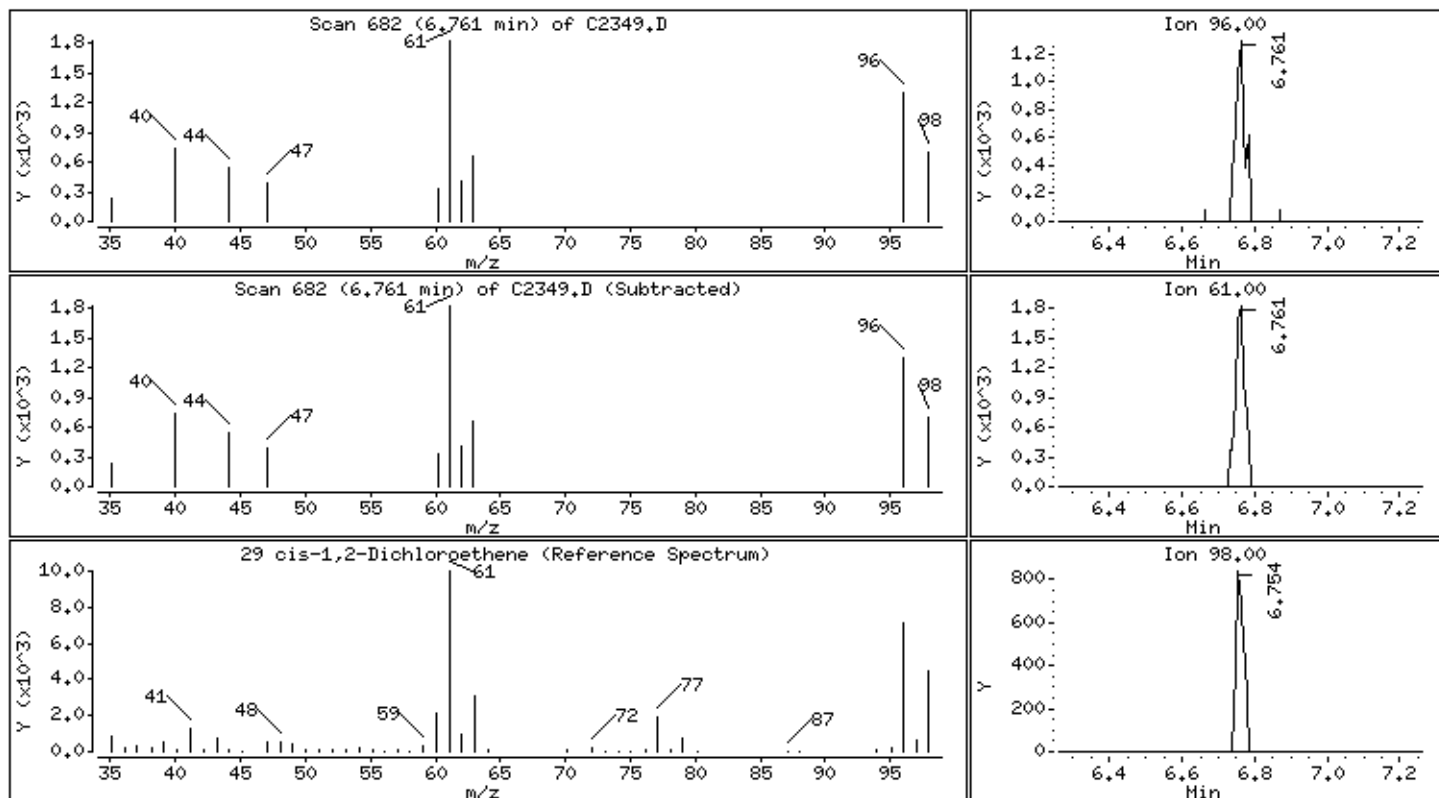
Client ID: AOC9-MW14LTH040815

Instrument: gcms-c.i

Sample Info: SI2201-13

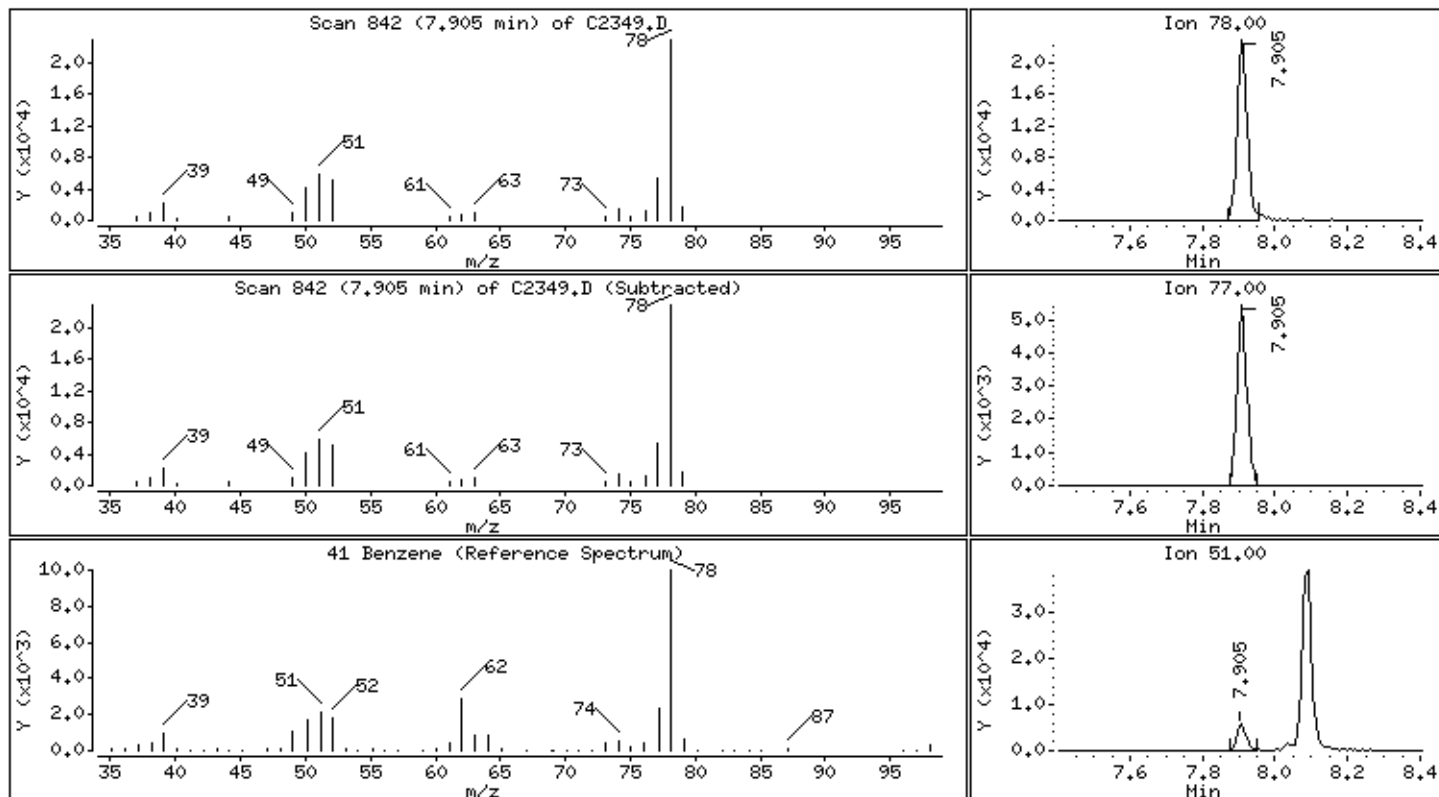
29 cis-1,2-Dichloroethene

Concentration: 0,50 ug/l



41 Benzene

Concentration: 2,9 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2349.D

Date : 16-APR-2015 18:06

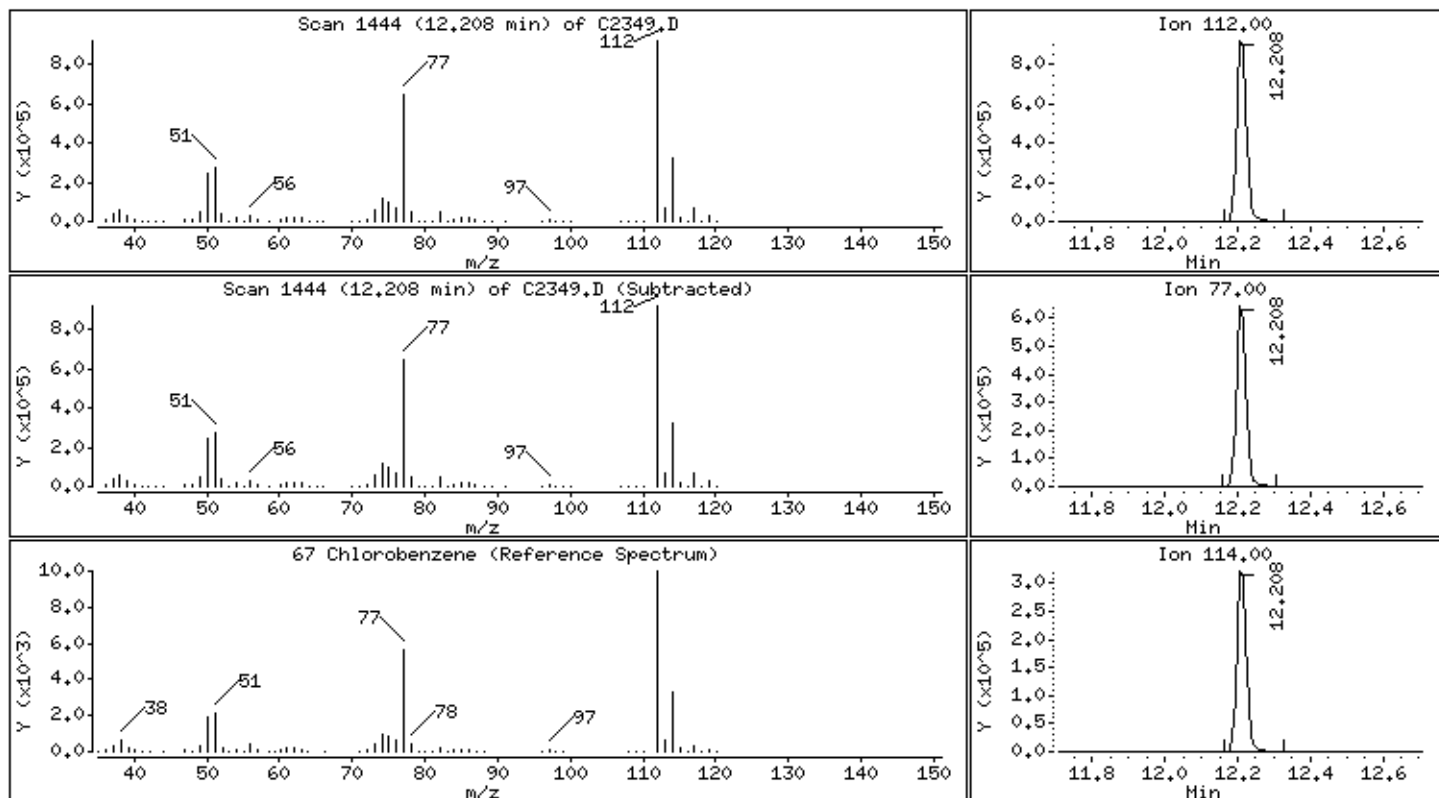
Client ID: AOC9-MW14LTH040815

Instrument: gcms-c.i

Sample Info: SI2201-13

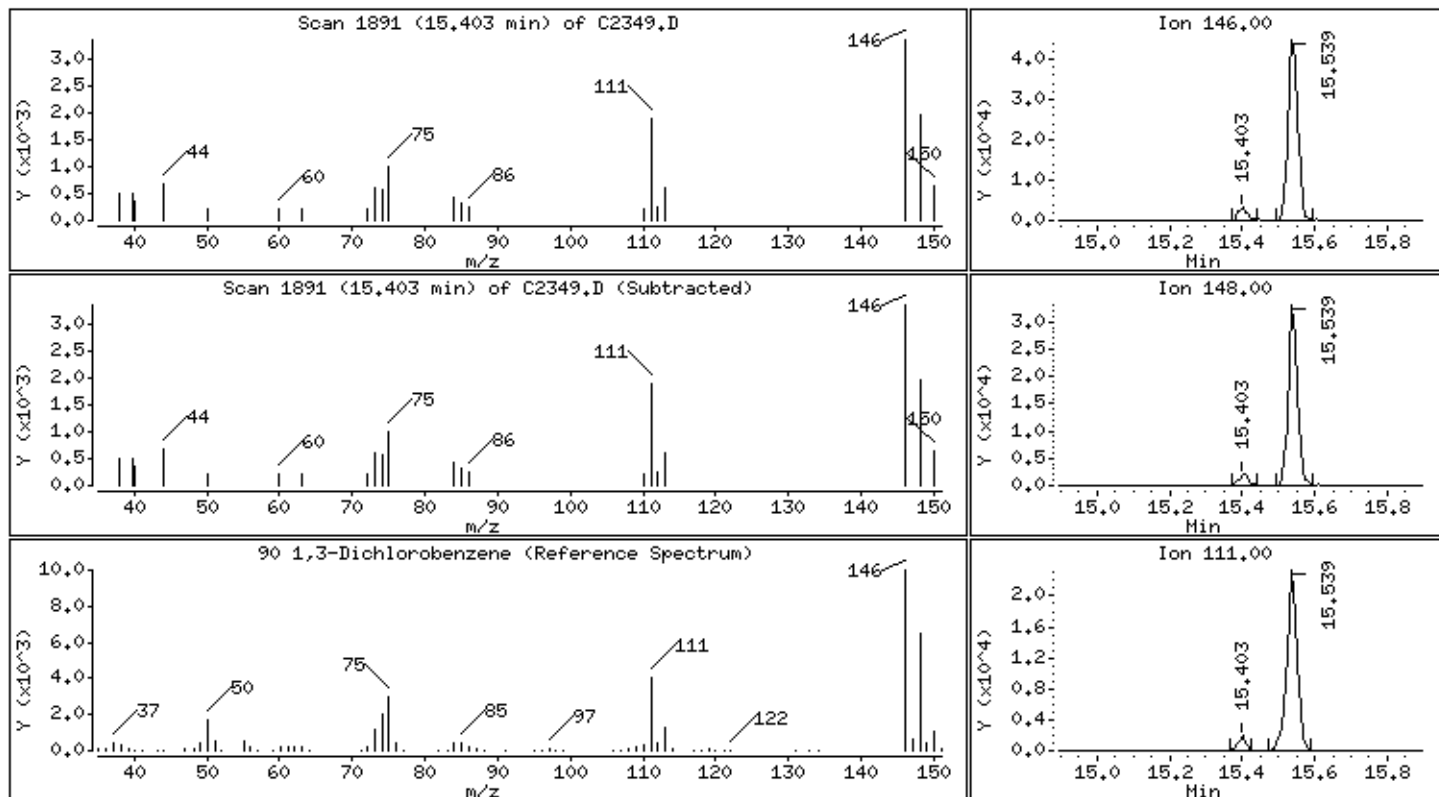
67 Chlorobenzene

Concentration: 150 ug/l



90 1,3-Dichlorobenzene

Concentration: 0.64 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2349.D

Date : 16-APR-2015 18:06

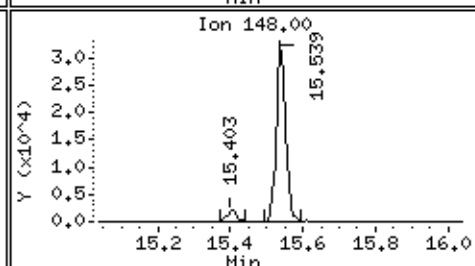
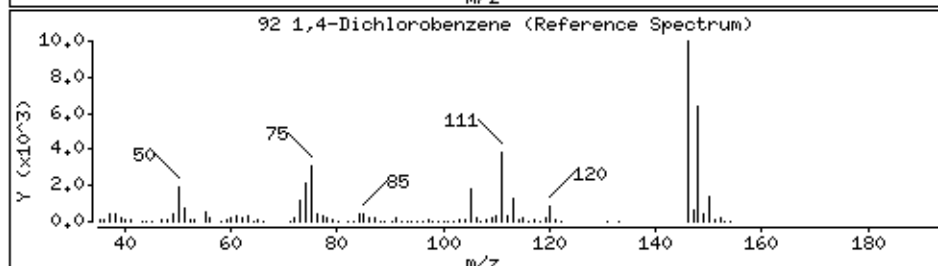
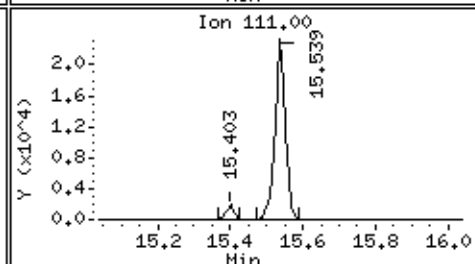
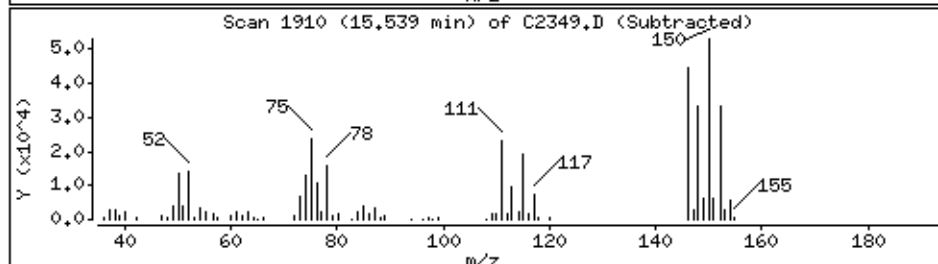
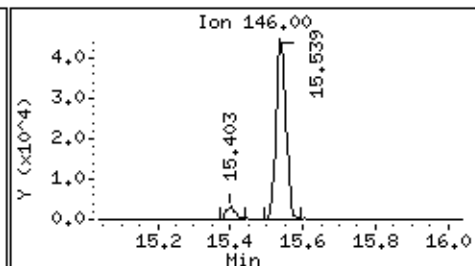
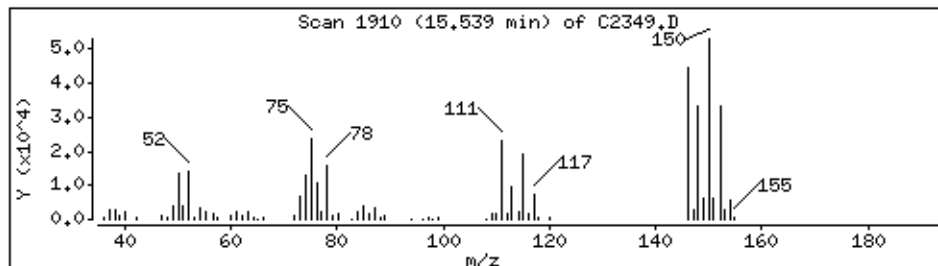
Client ID: AOC9-MW14LTH040815

Instrument: gcms-c.i

Sample Info: SI2201-13

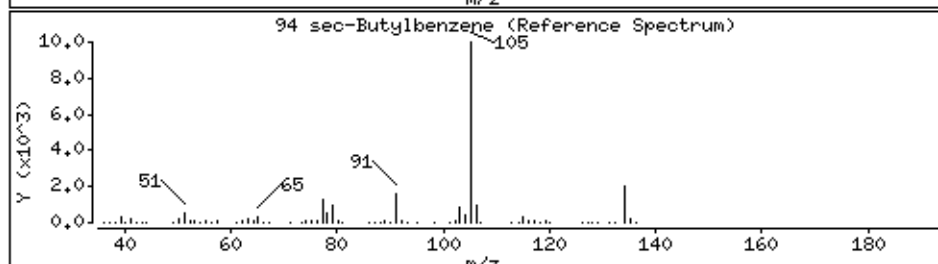
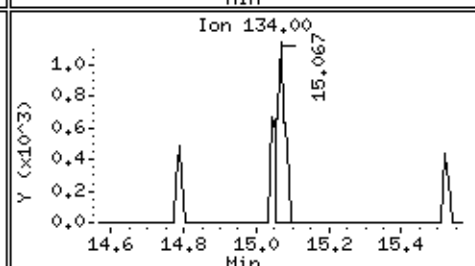
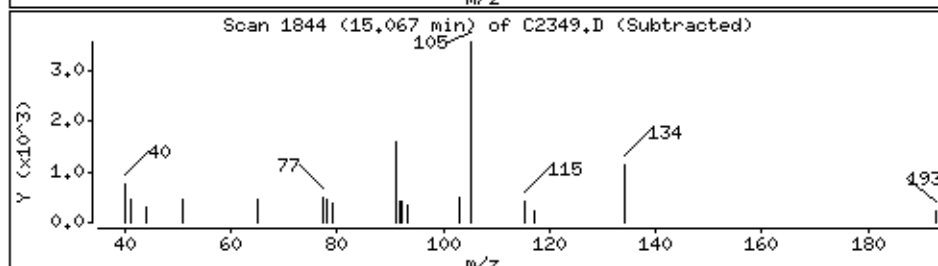
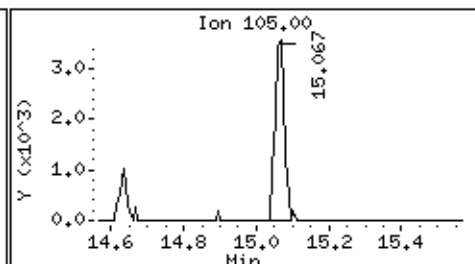
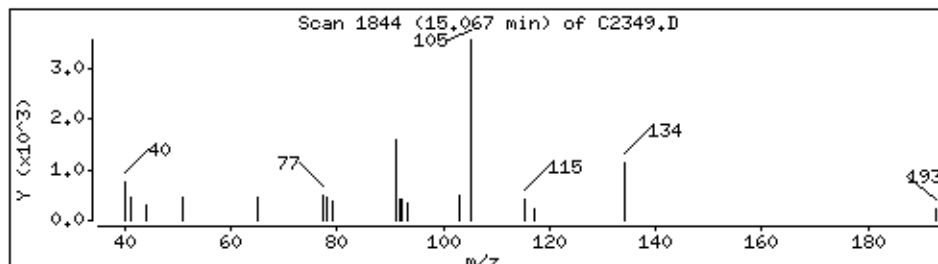
92 1,4-Dichlorobenzene

Concentration: 8.9 ug/l



94 sec-Butylbenzene

Concentration: 0.29 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2349.D

Date : 16-APR-2015 18:06

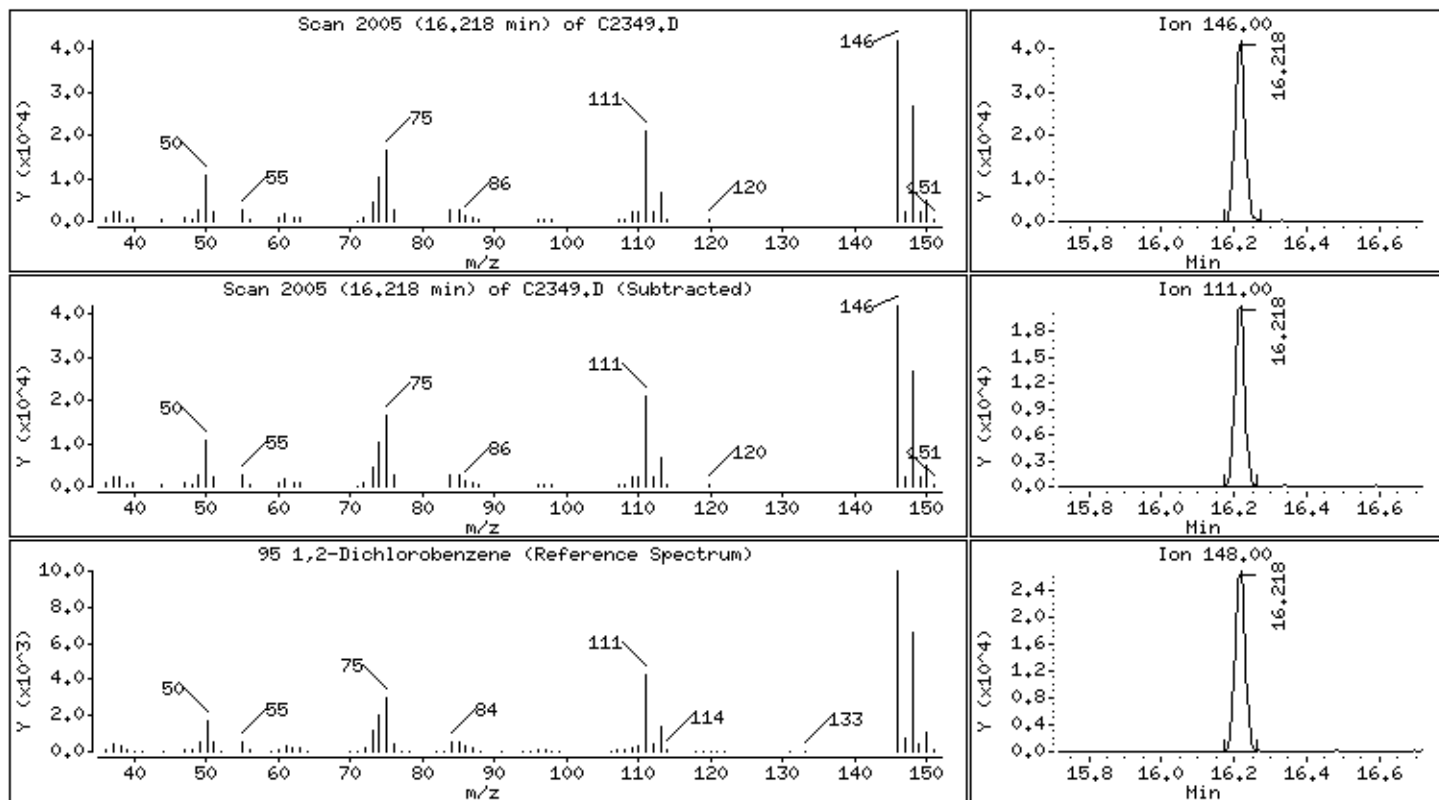
Client ID: AOC9-MW14LTH040815

Instrument: gcms-c.i

Sample Info: SI2201-13

95 1,2-Dichlorobenzene

Concentration: 10.0 ug/l



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-14

Client ID: AOC9-MW18LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2345.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	UMM	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	UM	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	UMM	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-14

Client ID: AOC9-MW18LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2345.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	JM	0.25	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	UMM	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	UM	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	UM	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		111.	%					
Toluene-d8		105.	%					
P-Bromofluorobenzene		94.6	%					
Dibromofluoromethane		99.0	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2345.D
 Report Date: 22-Apr-2015 16:06

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041615.b\C2345.D
 Lab Smp Id: SI2201-14 Client Smp ID: AOC9-MW18LTM040815
 Inj Date : 16-APR-2015 15:58 MS Autotune Date: 03-FEB-2015 11:03
 Operator : EME Inst ID: gcms-c.i
 Smp Info : SI2201-14
 Misc Info : WG161286,WG160924-4
 Comment : SW846 5030
 Method : \\target_server\gg\chem\gcms-c.i\C041615.b\C826A36.m
 Meth Date : 22-Apr-2015 15:23 gcms-c.i Quant Type: ISTD
 Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
 Als bottle: 14
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

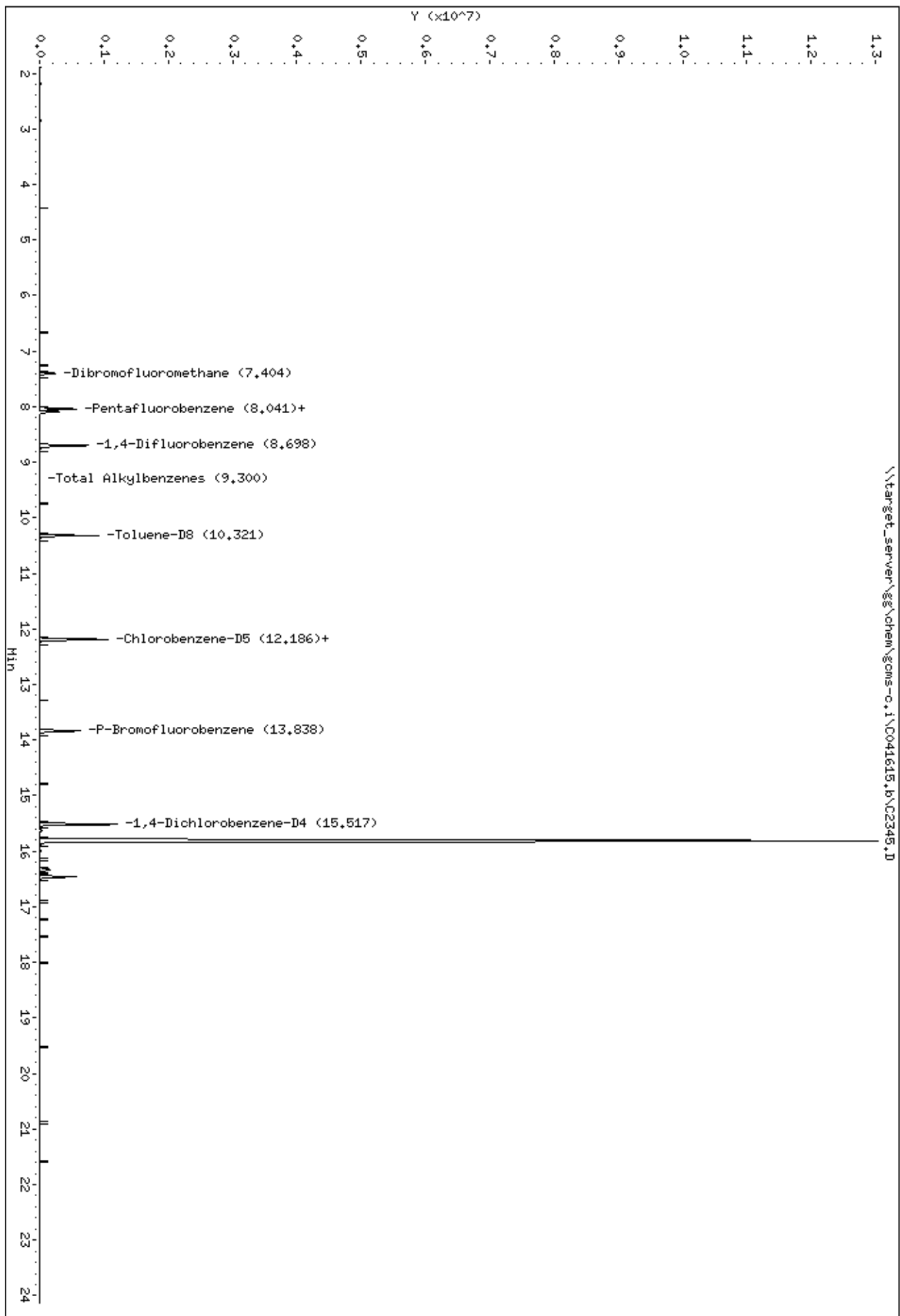
Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 37 Dibromofluoromethane	113	7.404	7.405	(0.921)	149935	49.4882	49.5		
* 42 Pentafluorobenzene	168	8.040	8.041	(1.000)	302008	50.0000			
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090	(1.006)	225957	55.7422	55.7		
* 49 1,4-Difluorobenzene	114	8.698	8.698	(1.000)	526269	50.0000			
\$ 55 Toluene-D8	98	10.320	10.321	(1.187)	508648	52.7048	52.7		
* 66 Chlorobenzene-D5	117	12.186	12.187	(1.000)	525060	50.0000			
67 Chlorobenzene	112	12.207	12.208	(1.002)	2725	0.25368	0.25(a)		
\$ 76 P-Bromofluorobenzene	95	13.837	13.838	(1.591)	240109	47.2836	47.3		
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	308946	50.0000			

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Data File: \\target_server\gs\chem\goms-c.i\CO41615,b\C2345.D
Date : 16-APR-2015 15:58
Client ID: AOC9-HM18LTH040815
Sample Info: S12201-14

Instrument: goms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2345.D

Date : 16-APR-2015 15:58

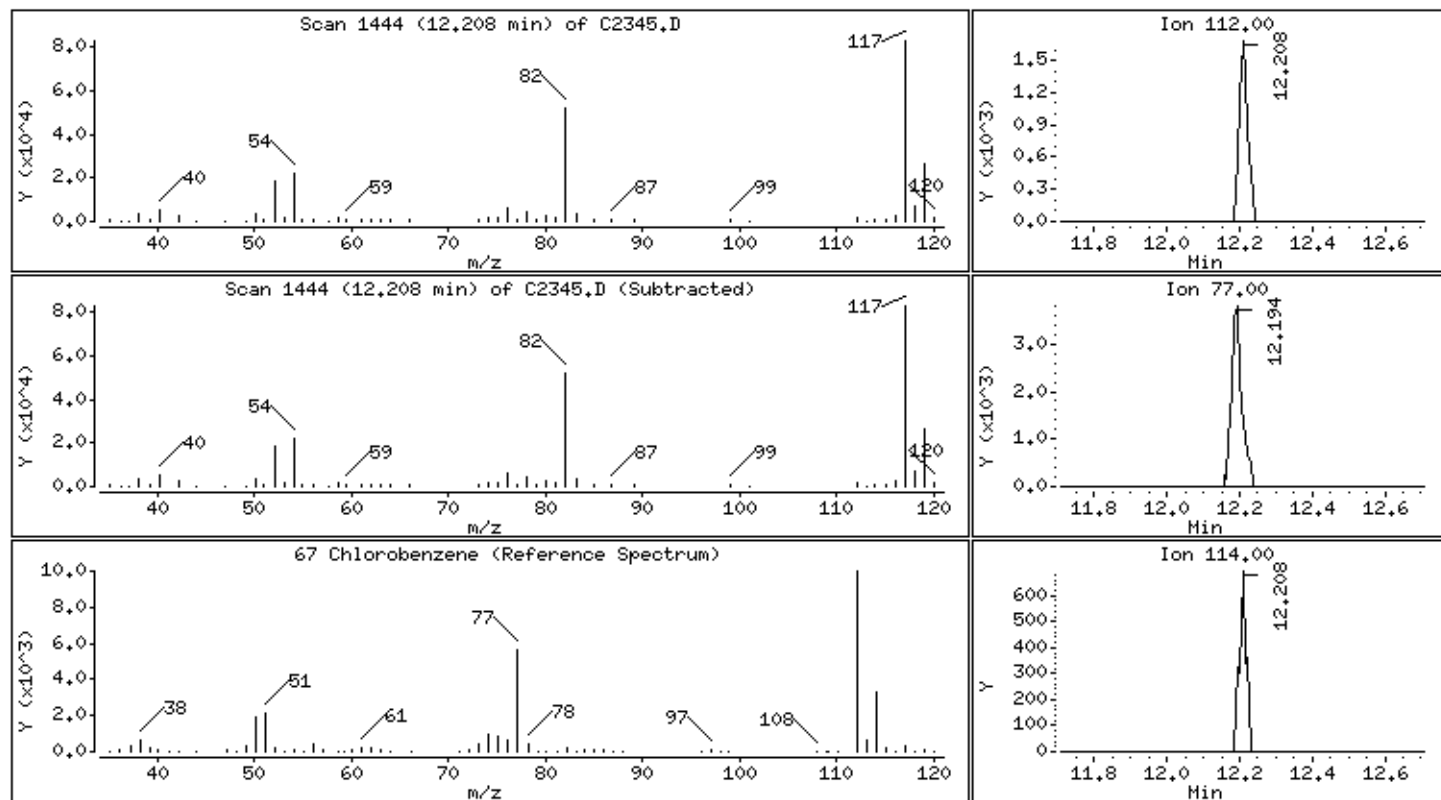
Client ID: AOC9-MW18LTH040815

Instrument: gcms-c.i

Sample Info: SI2201-14

67 Chlorobenzene

Concentration: 0,25 ug/l



Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-15

Client ID: AOC9-MW19LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2346.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	J	0.74	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	UL	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene		1.9	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	J	0.52	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	J	0.37	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50

Report of Analytical Results

Client: Ecology and Environment, Inc.

Lab ID: SI2201-15

Client ID: AOC9-MW19LTM040815

Project: Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab File ID: C2346.D

Sample Date: 08-APR-15

Received Date: 09-APR-15

Extract Date: 16-APR-15

Extracted By: EME

Extraction Method: SW846 5030

Lab Prep Batch: WG161286

Analysis Date: 16-APR-15

Analyst: EME

Analysis Method: SW846 8260B

Matrix: AQ

% Solids: NA

Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene		33	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene		1.4	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	J	0.97	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		110.	%					
Toluene-d8		108.	%					
P-Bromofluorobenzene		95.7	%					
Dibromofluoromethane		96.5	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2346.D
Report Date: 22-Apr-2015 16:06

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041615.b\C2346.D
Lab Smp Id: SI2201-15 Client Smp ID: AOC9-MW19LTM040815
Inj Date : 16-APR-2015 16:30 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : SI2201-15
Misc Info : WG161286, WG160924-4
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041615.b\C826A36.m
Meth Date : 22-Apr-2015 15:23 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Compound Sublist: all.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

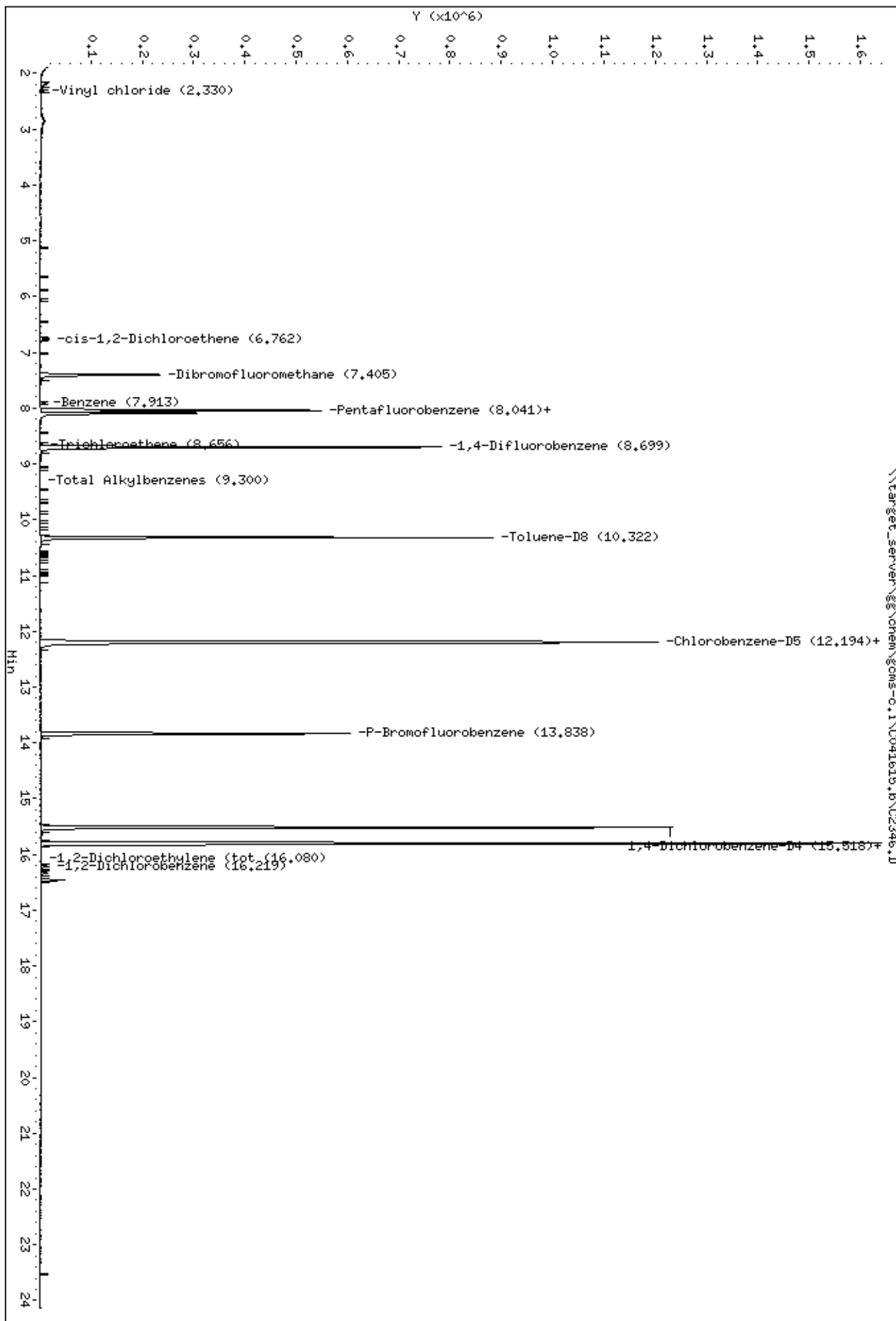
Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
3 Vinyl chloride	62	2.330	2.322	(0.290)	3815	0.74293	0.74(a)		
29 cis-1,2-Dichloroethene	96	6.761	6.761	(0.841)	8112	1.93028	1.9		
M 30 1,2-Dichloroethylene (total)	96				8112	1.93028	1.9(a)		
\$ 37 Dibromofluoromethane	113	7.405	7.405	(0.921)	148393	48.2608	48.3		
41 Benzene	78	7.912	7.905	(0.910)	7480	0.51693	0.52(aM)		M10
* 42 Pentafluorobenzene	168	8.041	8.041	(1.000)	306504	50.0000			
\$ 45 1,2-Dichloroethane-D4	65	8.091	8.090	(1.006)	227221	55.2318	55.2		
48 Trichloroethene	95	8.656	8.648	(0.995)	1628	0.36970	0.37(a)		
* 49 1,4-Difluorobenzene	114	8.699	8.698	(1.000)	513515	50.0000			
\$ 55 Toluene-D8	98	10.321	10.321	(1.187)	510122	54.1703	54.2		
* 66 Chlorobenzene-D5	117	12.187	12.187	(1.000)	533331	50.0000			
67 Chlorobenzene	112	12.208	12.208	(1.002)	363043	33.2727	33.3		
\$ 76 P-Bromofluorobenzene	95	13.838	13.838	(1.591)	237208	47.8725	47.9		
* 91 1,4-Dichlorobenzene-D4	152	15.518	15.518	(1.000)	315598	50.0000			
92 1,4-Dichlorobenzene	146	15.539	15.539	(1.001)	12569	1.41391	1.4		
95 1,2-Dichlorobenzene	146	16.218	16.218	(1.045)	7183	0.97074	0.97(a)		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\target_server\gs\chem\goms-c.i\CO41615.b\CO2346.D
 Date: 16-APR-2015 16:30
 Client ID: AOC9-HM19LTH040815
 Sample Info: S12201-15

Instrument: goms-c.i



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2346.D

Date : 16-APR-2015 16:30

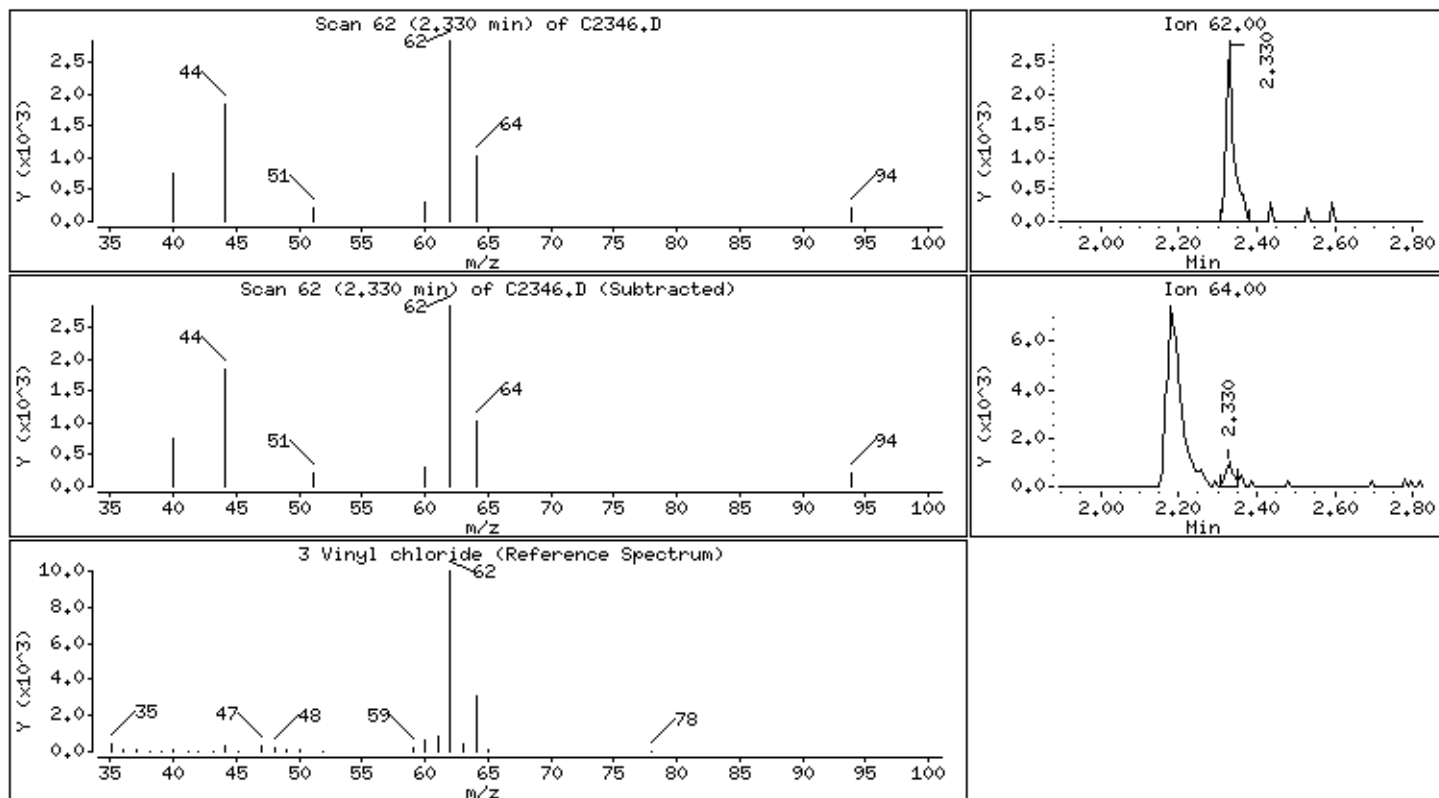
Client ID: AOC9-MW19LTH040815

Instrument: gcms-c.i

Sample Info: SI2201-15

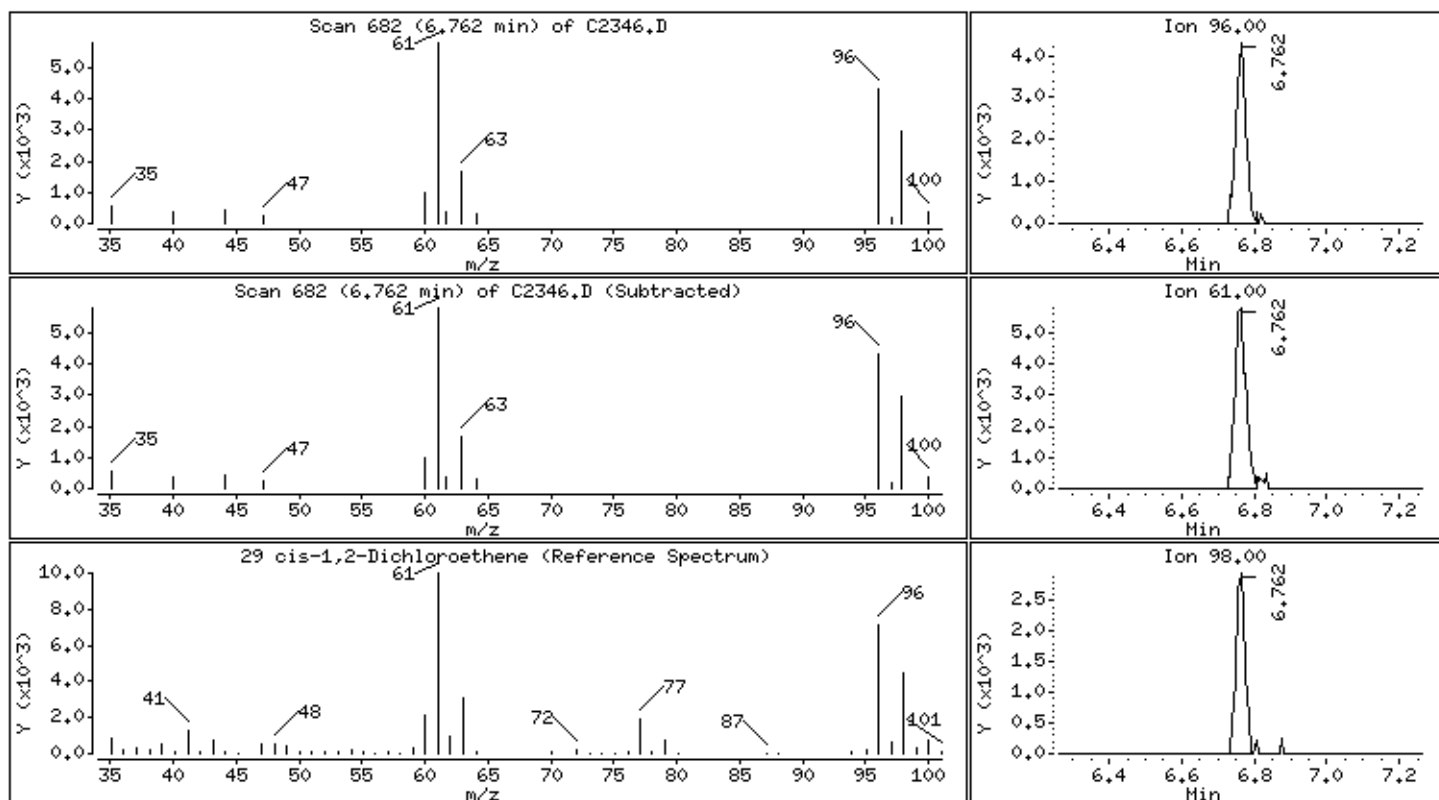
3 Vinyl chloride

Concentration: 0.74 ug/l



29 cis-1,2-Dichloroethene

Concentration: 1.9 ug/l



Data File: \\target_server\gg\chem\gms-c.i\C041615,b\C2346.D

Date : 16-APR-2015 16:30

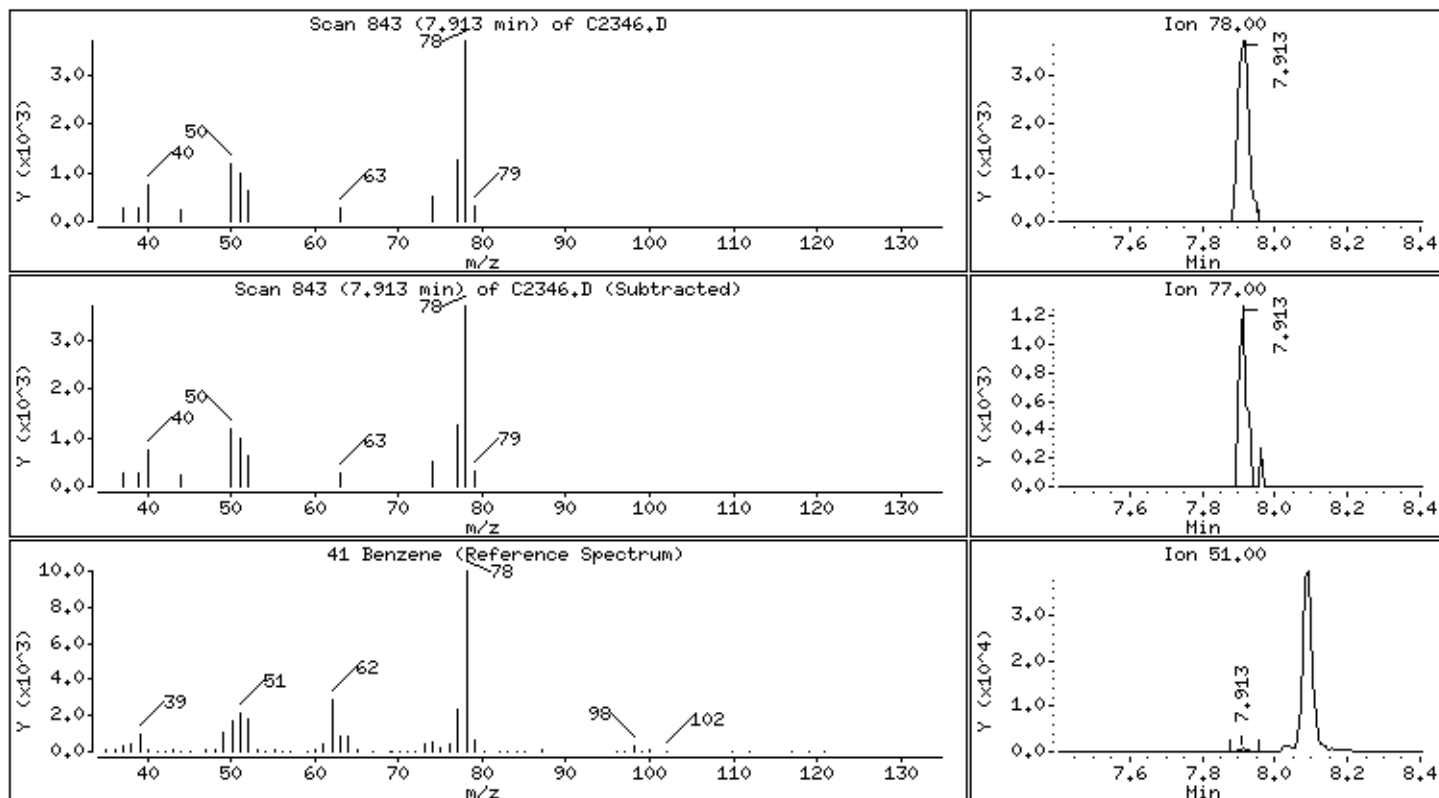
Client ID: AOC9-MW19LTH040815

Instrument: gms-c.i

Sample Info: SI2201-15

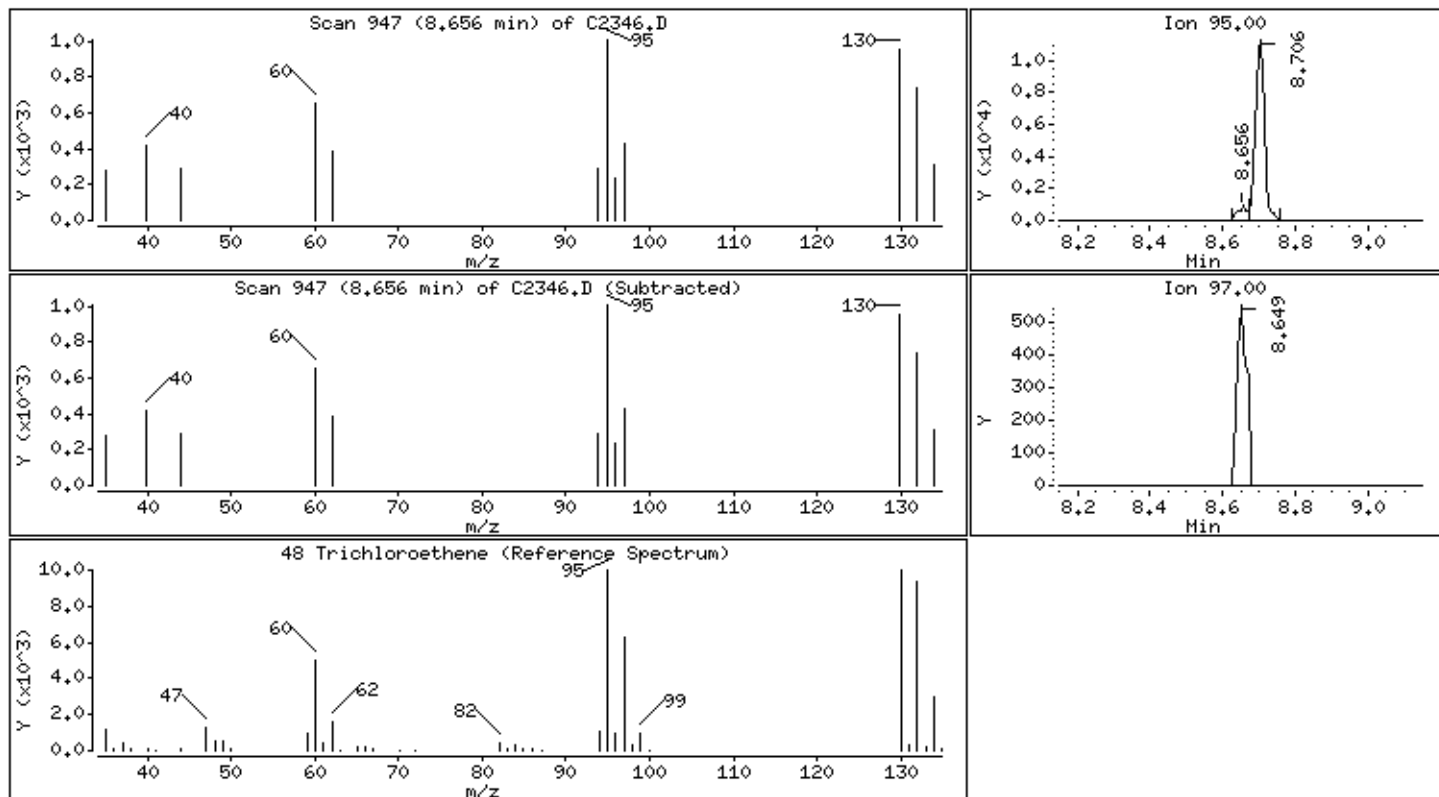
41 Benzene

Concentration: 0,52 ug/l



48 Trichloroethene

Concentration: 0,37 ug/l



Data File: \\target_server\gg\chem\gms-c.i\C041615.b\C2346.D

Date : 16-APR-2015 16:30

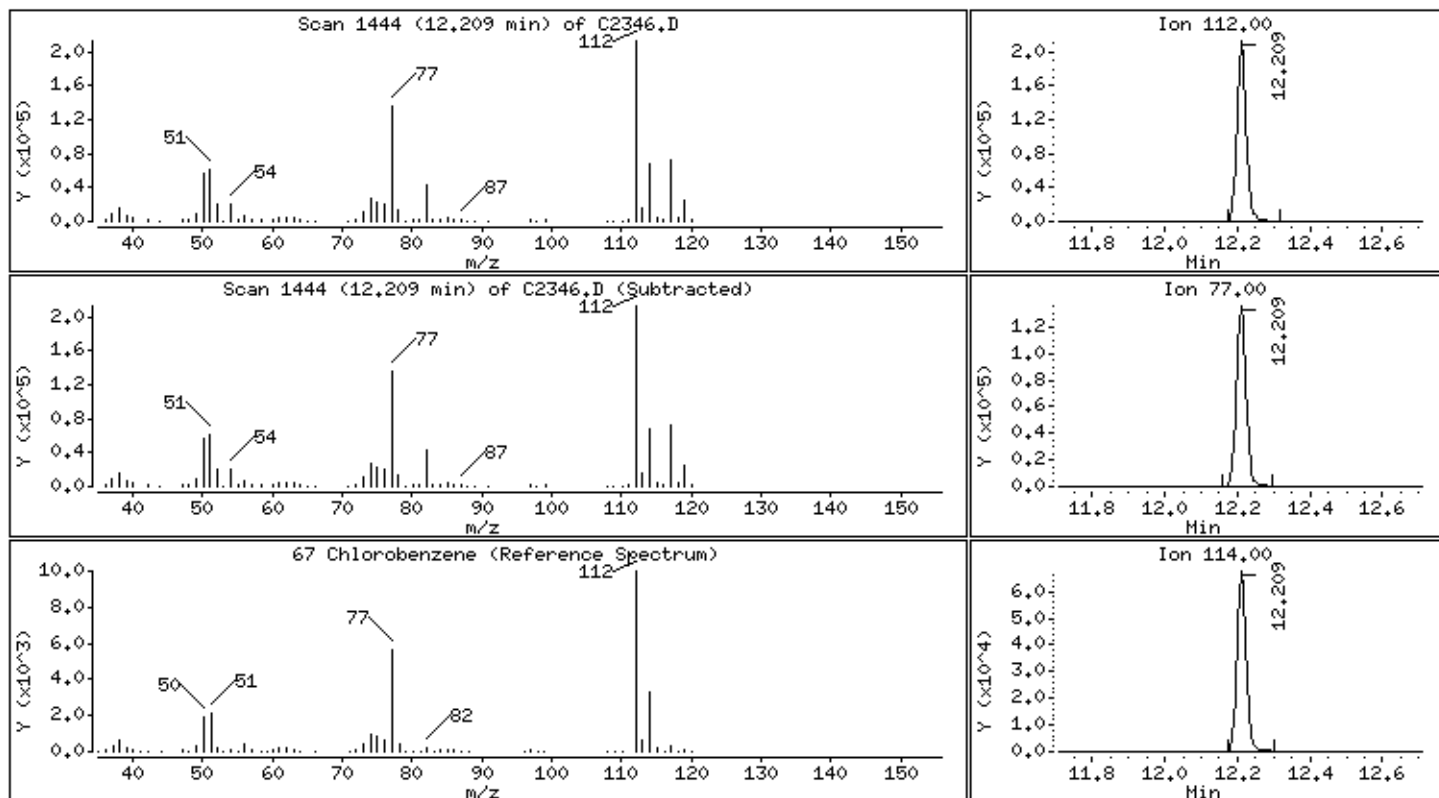
Client ID: AOC9-MW19LTH040815

Instrument: gms-c.i

Sample Info: SI2201-15

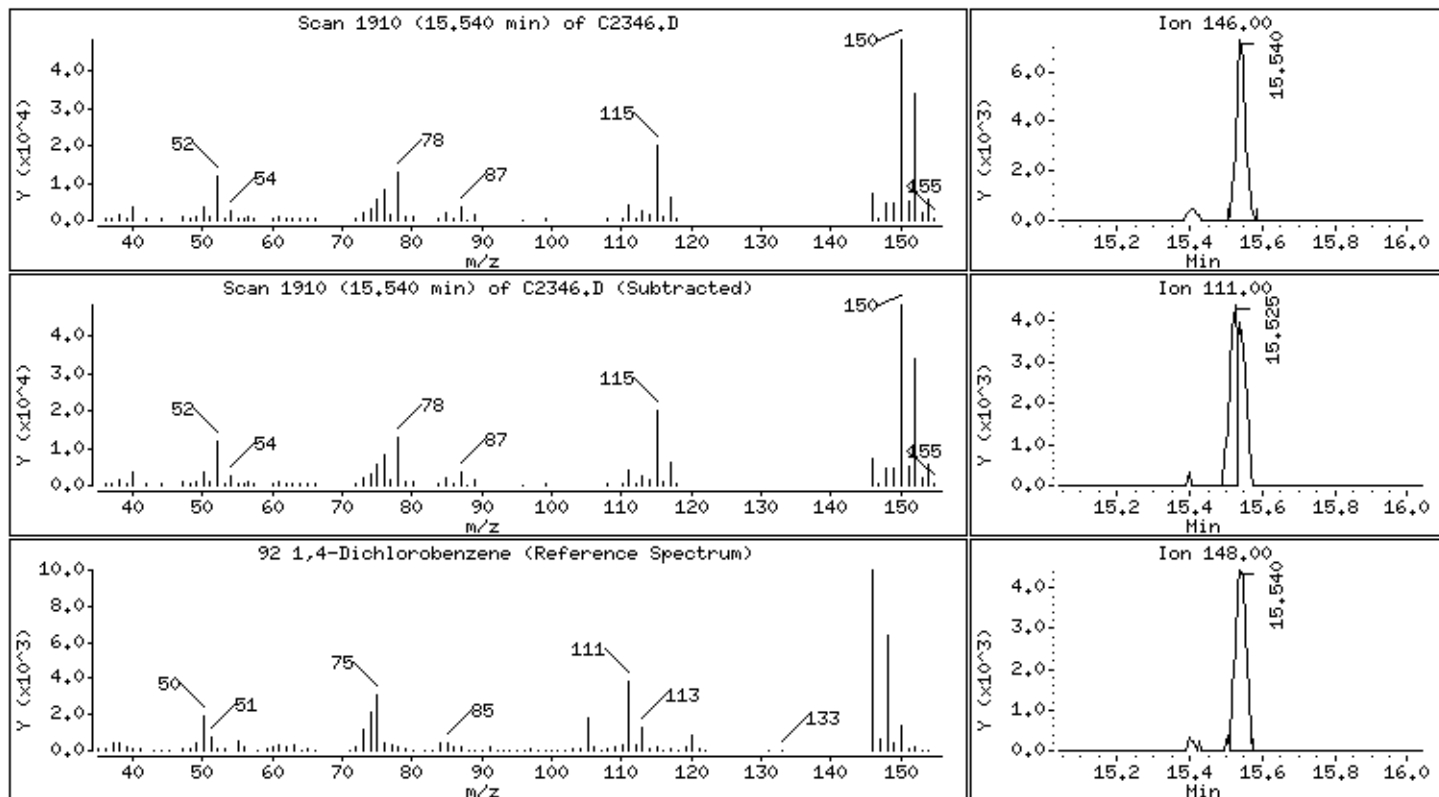
67 Chlorobenzene

Concentration: 33.3 ug/l



92 1,4-Dichlorobenzene

Concentration: 1.4 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\C041615,b\C2346.D

Date : 16-APR-2015 16:30

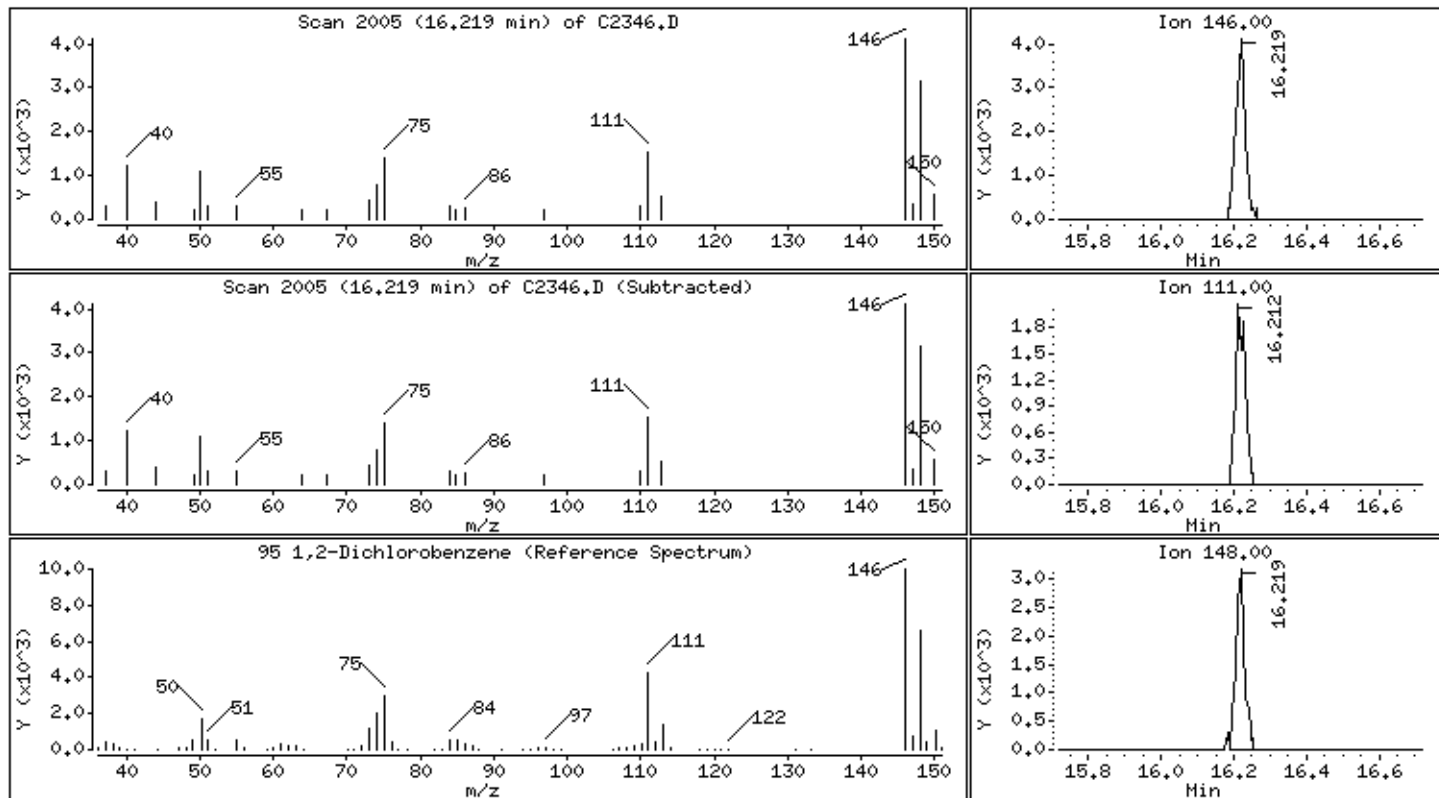
Client ID: AOC9-MW19LTH040815

Instrument: gcms-c.i

Sample Info: SI2201-15

95 1,2-Dichlorobenzene

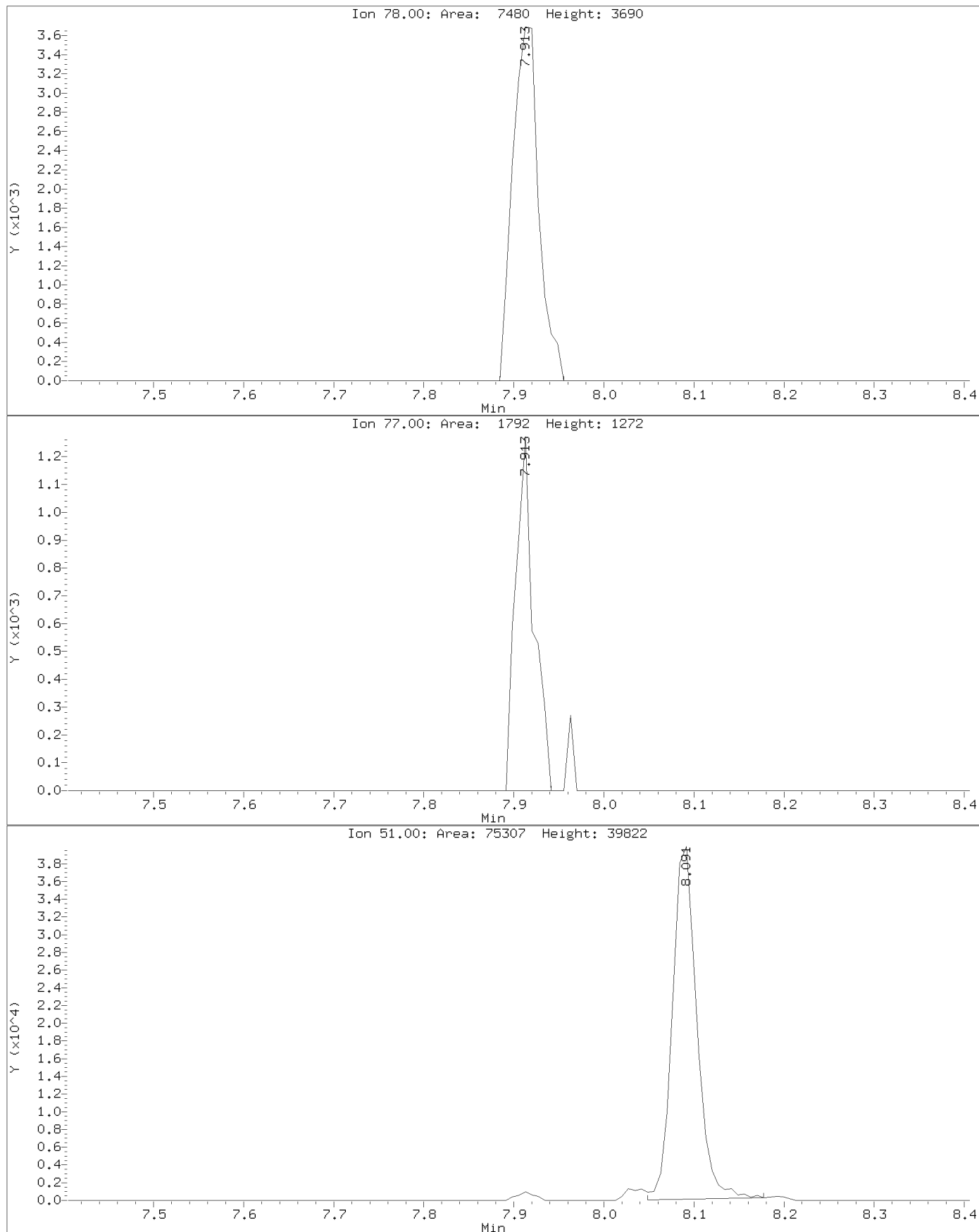
Concentration: 0.97 ug/l



Data File: \\target_server\gg\chem\gcms-c.i\0041615.b\C2346.D
Injection Date: 16-APR-2015 16:30
Instrument: gcms-c.i
Client Sample ID: AOC9-MW19LTM040815

BEFORE MANUAL INTEGRATION

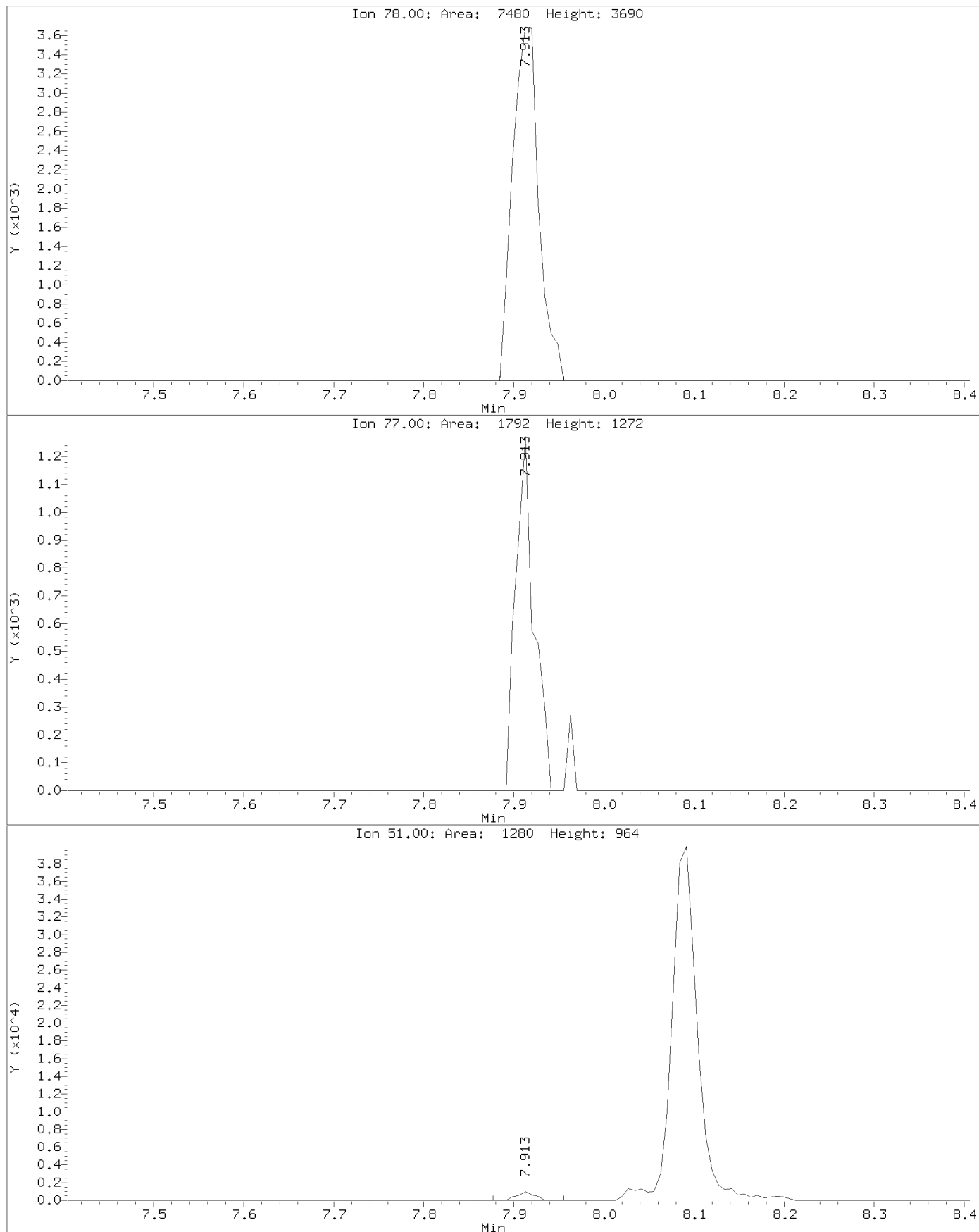
Compound: Benzene
CAS Number: 71-43-2



Data File: \\target_server\gg\chem\gcms-c.i\0041615.b\C2346.D
Injection Date: 16-APR-2015 16:30
Instrument: gcms-c.i
Client Sample ID: AOC9-MW19LTM040815

AFTER MANUAL INTEGRATION

Compound: Benzene
CAS Number: 71-43-2



Standards Data Section

Form 6

Initial Calibration Summary

Lab Name : Katahdin Analytical Services **SDG:** SI2201
Project : Former Griffiss Air Force Base, AOC 9 **Instrument ID:** GCMS-C
Lab File IDs : C2179.D C2178.D C2177.D **Column ID:**
 C2176.D C2181.D C2180.D **Calibration Date(s):** 08-APR-15 10:49
 08-APR-15 14:06

	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Crv					Max
	1.0000	5.0000	20.0000	50.0000	100.0000	200.0000	New	b	m1	m2	%RSD	%RSD
Dichlorodifluoromethane	0.86317	0.82652	0.94738	0.93791	0.83515	0.80190	AVG		0.86867		6.97915	15.00000 O
Chloromethane	1.33140	1.15942	1.17421	1.11741	1.08850	0.96054	AVG		1.13858		10.65134	15.00000 O
Vinyl chloride	0.84093	0.82119	0.87955	0.86146	0.84622	0.77674	AVG		0.83768		4.26662	15.00000 O
Bromomethane	3783	13213	62272	136805	308622	573047	LNR	-0.01342	0.41450		0.99971	0.99000 O
Chloroethane	3385	14541	60427	123597	227436	432041	LNR	-0.07414	0.30879		0.99680	0.99000 O
Trichlorofluoromethane	1.17448	1.02049	1.09404	0.95250	0.87210	0.95362	AVG		1.01121		10.80765	15.00000 O
1,1-Dichloroethene	0.62310	0.59314	0.59174	0.57706	0.57084	0.57558	AVG		0.58858		3.25867	15.00000 O
Carbon Disulfide	1.74497	1.51845	1.66160	1.66953	1.75285	1.69188	AVG		1.67321		5.06712	15.00000 O
Freon-113	0.38132	0.39036	0.43939	0.42974	0.39254	0.39224	AVG		0.40426		5.94154	15.00000 O
Methylene Chloride	6842	25325	97577	231705	501477	942019	LNR	-0.01671	0.67974		0.99993	0.99000 O
Acetone	0.21228	0.18956	0.21998	0.21816	0.22000	0.21271	AVG		0.21212		5.45540	15.00000 O
trans-1,2-Dichloroethene	0.69608	0.65843	0.67542	0.65624	0.66014	0.64015	AVG		0.66441		2.88194	15.00000 O
Methyl tert-butyl ether	1.26688	1.43009	1.58982	1.57504	1.54279	1.43558	AVG		1.47337		8.29364	15.00000 O
1,1-Dichloroethane	1.11717	1.36725	1.36563	1.33391	1.29608	1.25403	AVG		1.28901		7.34433	15.00000 O
cis-1,2-Dichloroethene	0.69890	0.66384	0.71461	0.68378	0.68162	0.67058	AVG		0.68555		2.71821	15.00000 O
Bromochloromethane	0.29785	0.25648	0.29076	0.27529	0.26624	0.26090	AVG		0.27459		6.06810	15.00000 O
Chloroform	1.38104	1.31233	1.38758	1.37496	1.30824	1.27018	AVG		1.33905		3.63009	15.00000 O
Carbon Tetrachloride	0.38173	0.40886	0.48817	0.53053	0.51181	0.52190	AVG		0.47383		13.30657	15.00000 O
1,1,1-Trichloroethane	1.26813	1.25429	1.31983	1.32217	1.22089	1.20949	AVG		1.26580		3.77589	15.00000 O
2-Butanone	5848	40972	208136	516280	1060379	1932105	LNR	-0.13270	0.28091		0.99883	0.99000 O
Benzene	1.39179	1.43895	1.51253	1.43143	1.39822	1.28065	AVG		1.40893		5.40576	15.00000 O
Cyclohexane	0.92753	1.06433	1.15957	1.16386	1.13333	1.11563	AVG		1.09404		8.15369	15.00000 O
1,2-Dichloroethane	0.75942	0.70186	0.68939	0.66393	0.60510	0.59800	AVG		0.66962		9.16169	15.00000 O
Trichloroethene	0.47221	0.43134	0.44409	0.42869	0.40364	0.39261	AVG		0.42876		6.65171	15.00000 O
1,2-Dichloropropane	0.37721	0.35635	0.37225	0.38046	0.37479	0.35669	AVG		0.36962		2.84274	15.00000 O
Bromodichloromethane	0.44805	0.53238	0.60051	0.60100	0.58892	0.56693	AVG		0.55630		10.61076	15.00000 O
cis-1,3-dichloropropene	0.43977	0.54994	0.64475	0.64614	0.66021	0.63661	AVG		0.59624		14.46491	15.00000 O
1,4-Dioxane	0.01090	0.00785	0.00462	0.00363	0.00534	0.00267	AVG		0.00583		52.12461	15.00000 W
Toluene	0.88050	0.91675	0.98578	0.91516	0.91697	0.86002	AVG		0.91253		4.69868	15.00000 O
4-methyl-2-pentanone	0.26679	0.33392	0.36782	0.36397	0.30986	0.27261	AVG		0.31916		13.72175	15.00000 O
Tetrachloroethene	0.36055	0.32467	0.31582	0.31095	0.30564	0.29746	AVG		0.31918		6.97155	15.00000 O
trans-1,3-Dichloropropene	0.45238	0.52370	0.59768	0.59329	0.59757	0.58996	AVG		0.55910		10.65135	15.00000 O
1,1,2-Trichloroethane	0.27576	0.27745	0.29411	0.28525	0.27904	0.27070	AVG		0.28039		2.93101	15.00000 O
Dibromochloromethane	2879	17948	89976	228616	506126	973085	LNR	0.01712	0.43635		0.99993	0.99000 O
1,2-Dibromoethane	0.35151	+++++	0.37296	0.36804	0.37178	0.35976	AVG		0.36481		2.48190	15.00000 O
2-Hexanone	8213	57705	290451	755640	1486411	2625955	LNR	-0.20795	0.23762		0.99708	0.99000 O
Chlorobenzene	1.07682	1.03659	1.03833	1.02458	1.00438	0.95684	AVG		1.02292		3.92071	15.00000 O

Form 6

Initial Calibration Summary

Lab Name : Katahdin Analytical Services **SDG:** SI2201
Project : Former Griffiss Air Force Base, AOC 9 **Instrument ID:** GCMS-C
Lab File IDs : C2179.D C2178.D C2177.D **Column ID:**
 C2176.D C2181.D C2180.D **Calibration Date(s):** 08-APR-15 10:49
 08-APR-15 14:06

Ethylbenzene	0.52839	0.58627	0.60337	0.59021	0.58875	0.58377	AVG		0.58013		4.52375	15.00000	O
m+p-Xylenes	0.63432	0.67308	0.72101	0.70060	0.68534	0.64483	AVG		0.67653		4.87325	15.00000	O
o-Xylene	0.49189	0.56456	0.65743	0.66264	0.68111	0.64956	AVG		0.61786		11.9564	15.00000	O
Styrene	0.85194	1.05716	1.20593	1.20082	1.19289	1.11709	AVG		1.10431		12.38737	15.00000	O
Bromoform	1632	11421	53507	145917	321759	623540	LNR	0.02468	0.27977		0.99983	0.99000	O
Isopropylbenzene	2.54997	3.02509	3.28770	3.16480	2.92303	2.68173	AVG		2.93872		9.59790	15.00000	O
N-Propylbenzene	3.11011	3.84803	4.07374	3.85085	3.49606	3.13395	AVG		3.58545		11.2644	15.00000	O
1,1,2,2-Tetrachloroethane	0.79011	0.84554	0.85630	0.84651	0.81472	0.78552	AVG		0.82312		3.73474	15.00000	O
1,3,5-Trimethylbenzene	2.45608	3.01889	3.15780	2.96476	2.70681	2.45710	AVG		2.79357		10.70757	15.00000	O
4-Chlorotoluene	2.22329	2.51648	2.62682	2.48857	2.31968	2.13944	AVG		2.38571		7.89099	15.00000	O
tert-Butylbenzene	2.01109	2.55981	2.68404	2.61984	2.47812	2.34449	AVG		2.44956		10.00367	15.00000	O
1,2,4-Trimethylbenzene	2.38679	2.88139	3.04690	2.91377	2.71944	2.47541	AVG		2.73728		9.51979	15.00000	O
P-Isopropyltoluene	2.30653	2.64905	3.06059	2.83101	2.68249	2.47039	AVG		2.66668		9.93520	15.00000	O
1,3-Dichlorobenzene	1.36820	1.30481	1.36311	1.28787	1.24328	1.20560	AVG		1.29548		4.97983	15.00000	O
1,4-Dichlorobenzene	1.47239	1.49573	1.46301	1.40455	1.33263	1.28189	AVG		1.40837		6.06346	15.00000	O
N-Butylbenzene	12876	90962	451300	1022881	2108601	3642654	LNR	-0.06176	2.64294		0.99651	0.99000	O
sec-Butylbenzene	2.95341	3.47692	3.69997	3.41463	3.15146	2.89672	AVG		3.26552		9.70419	15.00000	O
1,2-Dichlorobenzene	1.12294	1.21977	1.24264	1.18868	1.14179	1.11797	AVG		1.17230		4.47945	15.00000	O
1,2-Dibromo-3-Chloropropane	328	3846	19707	53673	124589	239826	LNR	0.03120	0.17318		0.99975	0.99000	O
1,2,4-Trichlorobenzene	1106	16031	95415	230917	539676	971578	LNR	0.00014	0.70576		0.99942	0.99000	O
Naphthalene	155	14461	154810	467717	1120569	2041182	LNR	0.03607	1.49317		0.99921	0.99000	O
1,2,3-Trichlorobenzene	587	10316	62795	147572	351310	629222	LNR	0.00055	0.45742		0.99924	0.99000	O
Methyl Acetate	0.44380	0.43897	0.51274	0.52869	0.54072	0.55354	AVG		0.50308		9.87343	15.00000	O
Methylcyclohexane	0.87444	0.98062	1.17777	1.17383	1.12626	1.10608	AVG		1.07317		11.2617	15.00000	O
Dibromofluoromethane	0.41686	0.50760	0.52463	0.56756	0.50545	0.48747	AVG		0.50159		9.89255	15.00000	
1,2-Dichloroethane-D4	0.59711	0.68801	0.69404	0.80886	0.62466	0.61398	AVG		0.67111		11.6726	15.00000	
Toluene-D8	0.74566	0.90246	0.95361	1.11844	0.92551	0.85583	AVG		0.91692		13.3841	15.00000	
P-Bromofluorobenzene	0.37326	0.48094	0.52223	0.53048	0.50896	0.47889	AVG		0.48246		11.9173	15.00000	

Legend: O = Kept Original Curve
 Y = Failed Minimum RF
 W = Failed %RSD Value

Katahdin Analytical Services

RECOVERY REPORT

Client Name: Client SDG: WG160924
 Sample Matrix: LIQUID Fraction: VOA
 Lab Smp Id: WG160924-7 Client Smp ID: Independent Source
 Level: LOW Operator: EME
 Data Type: MS DATA SampleType: INDSOURCE
 SpikeList File: IND_CHECK4.1.spk Quant Type: ISTD
 Sublist File: SW8260-S.sub
 Method File: \\target_server\gg\chem\gcms-c.i\C040815.b\C826A36.m
 Misc Info: WG160924, WG160924-4

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	51.3	102.62	80-120
2 Chloromethane	50.0	47.9	95.76	80-120
3 Vinyl chloride	50.0	48.1	96.29	80-120
4 Bromomethane	50.0	50.5	101.05	80-120
5 Chloroethane	50.0	46.0	92.00	80-120
6 Trichlorofluoromet	50.0	43.7	87.45	80-120
7 Diethyl Ether	50.0	47.5	94.99	80-120
8 Tertiary-butyl alc	250	284	113.71	80-120
9 1,1-Dichloroethene	50.0	50.9	101.78	80-120
10 Carbon Disulfide	50.0	52.8	105.55	80-120
11 Freon-113	50.0	52.4	104.70	80-120
12 Iodomethane	50.0	51.5	103.04	80-120
13 Acrolein	250	274	109.64	80-120
14 Methylene Chloride	50.0	49.3	98.66	80-120
15 Acetone	50.0	64.6	129.17*	80-120
16 Isobutyl Alcohol	1000	147	14.69*	80-120
17 trans-1,2-Dichloro	50.0	48.4	96.86	80-120
18 Allyl Chloride	50.0	53.0	105.93	80-120
19 Methyl tert-butyl	100	112	112.40	80-120
20 Acetonitrile	500	480	95.98	80-120
21 Di-isopropyl ether	50.0	54.5	109.10	80-120
22 Chloroprene	50.0	53.0	106.04	80-120
23 Propionitrile	500	518	103.55	80-120
24 Methacrylonitrile	500	499	99.83	80-120
25 1,1-Dichloroethane	50.0	51.6	103.16	80-120
26 Acrylonitrile	250	268	107.11	80-120
27 Ethyl tertiary-but	50.0	55.0	110.04	80-120
28 Vinyl Acetate	50.0	56.3	112.65	80-120
29 cis-1,2-Dichloroet	50.0	49.0	98.11	80-120
M 30 1,2-Dichloroethyle	100	97.5	97.48	80-120
31 Methyl Methacrylat	50.0	50.8	101.71	80-120
32 2,2-Dichloropropan	50.0	50.0	100.07	80-120
33 Bromochloromethane	50.0	52.1	104.19	80-120
34 Chloroform	50.0	49.5	98.98	80-120
35 Carbon Tetrachlori	50.0	52.7	105.38	80-120
36 Tetrahydrofuran	50.0	54.5	108.97	80-120
38 1,1,1-Trichloroeth	50.0	48.4	96.86	80-120
39 1,1-Dichloropropen	50.0	53.1	106.18	80-120
40 2-Butanone	50.0	53.9	107.80	80-120
41 Benzene	50.0	51.4	102.90	80-120

SPIKE	COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
	43 Cyclohexane	50.0	50.6	101.29	80-120
	44 Ethyl Methacrylate	50.0	56.2	112.44	80-120
	46 Tertiary-amyl meth	50.0	54.5	109.07	80-120
	47 1,2-Dichloroethane	50.0	47.4	94.77	80-120
	48 Trichloroethene	50.0	49.2	98.32	80-120
	50 Dibromomethane	50.0	48.8	97.55	80-120
	51 1,2-Dichloropropan	50.0	53.1	106.29	80-120
	52 Bromodichlorometha	50.0	54.8	109.62	80-120
	53 cis-1,3-dichloropr	50.0	54.0	107.91	80-120
	54 1,4-Dioxane	1000	1090	109.03	80-120
	56 2-Chloroethylvinyl	50.0	77.3	154.61*	80-120
	57 Toluene	50.0	50.8	101.56	80-120
	58 4-methyl-2-pentano	50.0	60.9	121.87*	80-120
	59 Tetrachloroethene	50.0	49.2	98.38	80-120
	60 trans-1,3-Dichloro	50.0	54.7	109.47	80-120
	61 1,1,2-Trichloroeth	50.0	50.7	101.34	80-120
	62 Dibromochlorometha	50.0	49.6	99.16	80-120
	63 1,3-Dichloropropan	50.0	52.0	104.02	80-120
	64 1,2-Dibromoethane	50.0	52.4	104.72	80-120
	65 2-Hexanone	50.0	54.8	109.57	80-120
	67 Chlorobenzene	50.0	53.6	107.10	80-120
	152 1-Chlorohexane	50.0	52.7	105.39	80-120
	68 Ethylbenzene	50.0	50.5	101.01	80-120
	69 1,1,1,2-Tetrachlor	50.0	53.4	106.78	80-120
M	70 Xylenes (total)	150	166	110.47	80-120
	71 m+p-Xylenes	100	107	106.99	80-120
	72 o-Xylene	50.0	58.7	117.42	80-120
	73 Styrene	50.0	54.5	109.07	80-120
	74 Bromoform	50.0	48.4	96.90	80-120
	75 Isopropylbenzene	50.0	56.7	113.46	80-120
	77 cis-1,4-Dichloro-2	50.0	48.9	97.89	80-120
	78 trans-1,4-Dichloro	50.0	47.8	95.62	80-120
	79 Bromobenzene	50.0	52.7	105.46	80-120
	80 N-Propylbenzene	50.0	57.0	113.91	80-120
	81 1,1,2,2-Tetrachlor	50.0	51.8	103.70	80-120
	82 1,3,5-Trimethylben	50.0	50.6	101.10	80-120
	83 2-Chlorotoluene	50.0	54.0	108.06	80-120
	84 1,2,3-Trichloropro	50.0	50.4	100.75	80-120
	85 4-Chlorotoluene	50.0	56.1	112.18	80-120
	86 tert-Butylbenzene	50.0	56.4	112.91	80-120
	87 Pentachloroethane	50.0	54.2	108.49	80-120
	88 1,2,4-Trimethylben	50.0	52.6	105.25	80-120
	89 P-Isopropyltoluene	50.0	56.3	112.58	80-120
	90 1,3-Dichlorobenzen	50.0	54.1	108.19	80-120
	92 1,4-Dichlorobenzen	50.0	49.5	99.06	80-120
	93 N-Butylbenzene	50.0	54.1	108.22	80-120
	94 sec-Butylbenzene	50.0	55.1	110.15	80-120
	95 1,2-Dichlorobenzen	50.0	54.4	108.79	80-120
	96 1,2-Dibromo-3-Chlo	50.0	49.2	98.51	80-120
	97 1,3,5-Trichloroben	50.0	53.2	106.31	80-120
	98 Hexachlorobutadien	50.0	51.9	103.75	80-120
	99 1,2,4-Trichloroben	50.0	52.4	104.73	80-120
	100 1,2,3-Trimethylben	50.0	51.6	103.13	80-120
	101 Naphthalene	50.0	51.6	103.15	80-120

SPIKE COMPOUND	CONC ADDED ug/l	CONC RECOVERED ug/l	% RECOVERED	LIMITS
102 1,2,3-Trichloroben	50.0	52.0	104.06	80-120
103 Methyl Acetate	50.0	53.6	107.22	80-120
104 Methylcyclohexane	50.0	55.2	110.44	80-120
M 153 Total Alkylbenzene	350	382	109.16	80-120

SURROGATE COMPOUND	AMOUNT ADDED ug/l	AMOUNT RECOVERED ug/l	% RECOVERED	LIMITS
\$ 37 Dibromofluorometha	50.0	52.3	104.53	68-128
\$ 45 1,2-Dichloroethane	50.0	52.9	105.83	67-135
\$ 55 Toluene-D8	50.0	59.7	119.39	65-128
\$ 76 P-Bromofluorobenze	50.0	52.3	104.63	56-133

Data File: \\target_server\gg\chem\gcms-c.i\C040815.b\C2176.D
Report Date: 10-Apr-2015 09:24

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C040815.b\C2176.D
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Inj Date : 08-APR-2015 10:49 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG160924-4
Misc Info :
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C040815.b\C826A36.m
Meth Date : 08-Apr-2015 14:42 rcrocker Quant Type: ISTD
Cal Date : 08-APR-2015 10:49 Cal File: C2176.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 Dichlorodifluoromethane	85	1.986	1.986 (0.247)		311493		50.0000	50.0	
2 Chloromethane	50	2.229	2.229 (0.277)		371109		50.0000	50.0	
3 Vinyl chloride	62	2.322	2.322 (0.289)		286103		50.0000	50.0	
4 Bromomethane	94	2.729	2.730 (0.339)		136805		50.0000	50.0	
5 Chloroethane	64	2.879	2.880 (0.358)		123597		50.0000	50.0	
6 Trichlorofluoromethane	101	3.051	3.051 (0.379)		316341		50.0000	50.0	
7 Diethyl Ether	59	3.487	3.487 (0.434)		193649		50.0000	50.0	
8 Tertiary-butyl alcohol	59	5.353	5.353 (0.666)		103768		250.000	250	
9 1,1-Dichloroethene	96	3.744	3.745 (0.466)		191649		50.0000	50.0	
10 Carbon Disulfide	76	3.780	3.780 (0.470)		554475		50.0000	50.0	
11 Freon-113	151	3.809	3.809 (0.474)		142722		50.0000	50.0	
12 Iodomethane	142	3.952	3.952 (0.492)		217279		50.0000	50.0	
13 Acrolein	56	4.266	4.267 (0.531)		162849		250.000	250	
14 Methylene Chloride	84	4.645	4.645 (0.578)		231705		50.0000	50.0	
15 Acetone	43	4.752	4.753 (0.591)		362266		250.000	250	
16 Isobutyl Alcohol	43	8.255	8.255 (1.027)		166476		1000.00	1000	
17 trans-1,2-Dichloroethene	96	4.917	4.917 (0.612)		217946		50.0000	50.0	
18 Allyl Chloride	41	4.473	4.474 (0.556)		220358		50.0000	50.0	
19 Methyl tert-butyl ether	73	5.124	5.124 (0.637)		1046191		100.000	100	
20 Acetonitrile	39	5.546	5.546 (0.690)		57644		500.000	500(M)	M9
21 Di-isopropyl ether	45	5.781	5.782 (0.719)		662682		50.0000	50.0	
22 Chloroprene	53	5.910	5.911 (0.735)		360015		50.0000	50.0	
23 Propionitrile	54	7.962	7.962 (0.990)		348264		500.000	500	
24 Methacrylonitrile	41	7.983	7.984 (0.993)		1286970		500.000	500	

4:28 pm, Apr 22, 2015

Compounds	QUANT SIG					AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.946	5.946 (0.740)		443013	50.0000	50.0	
26 Acrylonitrile	52	6.039	6.039 (0.751)		390460	250.000	250	
27 Ethyl tertiary-butyl ether	59	6.346	6.347 (0.789)		608442	50.0000	50.0	
28 Vinyl Acetate	43	6.368	6.368 (0.732)		518122	50.0000	50.0	
29 cis-1,2-Dichloroethene	96	6.761	6.761 (0.841)		227094	50.0000	50.0	
31 Methyl Methacrylate	41	9.563	9.563 (1.099)		173584	50.0000	50.0	
32 2,2-Dichloropropane	77	6.904	6.904 (0.859)		384672	50.0000	50.0	
33 Bromochloromethane	128	7.032	7.033 (0.875)		91427	50.0000	50.0	
34 Chloroform	83	7.154	7.154 (0.890)		456644	50.0000	50.0	
35 Carbon Tetrachloride	117	7.311	7.312 (0.841)		297047	50.0000	50.0	
36 Tetrahydrofuran	42	7.361	7.362 (0.916)		324849	250.000	250	
\$ 37 Dibromofluoromethane	113	7.404	7.405 (0.921)		188494	50.0000	50.0	
38 1,1,1-Trichloroethane	97	7.411	7.412 (0.922)		439111	50.0000	50.0	
39 1,1-Dichloropropene	75	7.583	7.583 (0.872)		332932	50.0000	50.0	
40 2-Butanone	43	7.583	7.583 (0.943)		516280	250.000	250	
41 Benzene	78	7.904	7.905 (0.909)		801472	50.0000	50.0	
* 42 Pentafluorobenzene	168	8.040	8.041 (1.000)		332115	50.0000		
43 Cyclohexane	56	7.018	7.019 (0.873)		386534	50.0000	50.0	
44 Ethyl Methacrylate	69	11.057	11.057 (1.271)		235638	50.0000	50.0	
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090 (1.006)		268633	50.0000	50.0	
46 Tertiary-amyl methyl ether	73	8.076	8.076 (1.004)		462068	50.0000	50.0	
47 1,2-Dichloroethane	62	8.176	8.177 (0.940)		371741	50.0000	50.0	
48 Trichloroethene	95	8.648	8.648 (0.994)		240030	50.0000	50.0	
* 49 1,4-Difluorobenzene	114	8.698	8.698 (1.000)		559910	50.0000		
50 Dibromomethane	93	9.162	9.163 (1.053)		135140	50.0000	50.0	
51 1,2-Dichloropropane	63	9.284	9.284 (1.067)		213023	50.0000	50.0	
52 Bromodichloromethane	83	9.370	9.370 (1.077)		336507	50.0000	50.0	
53 cis-1,3-dichloropropene	75	10.106	10.106 (1.162)		361781	50.0000	50.0	
54 1,4-Dioxane	88	9.606	9.606 (1.104)		40699	1000.00	1000	
\$ 55 Toluene-D8	98	10.320	10.321 (1.187)		626226	50.0000	50.0	
56 2-Chloroethylvinylether	63	10.049	10.049 (1.155)		6506	50.0000	50.0	
57 Toluene	92	10.378	10.378 (1.193)		512407	50.0000	50.0	
58 4-methyl-2-pentanone	43	10.828	10.828 (1.245)		1018965	250.000	250	
59 Tetrachloroethene	164	10.821	10.821 (0.888)		168733	50.0000	50.0	
60 trans-1,3-Dichloropropene	75	10.871	10.871 (1.250)		332187	50.0000	50.0	
61 1,1,2-Trichloroethane	83	11.057	11.057 (1.271)		159716	50.0000	50.0	
62 Dibromochloromethane	129	11.264	11.264 (0.924)		228616	50.0000	50.0	
63 1,3-Dichloropropane	76	11.378	11.379 (0.934)		350622	50.0000	50.0	
64 1,2-Dibromoethane	107	11.550	11.550 (1.328)		206070	50.0000	50.0	
65 2-Hexanone	43	11.836	11.836 (0.971)		755640	250.000	250	
* 66 Chlorobenzene-D5	117	12.186	12.187 (1.000)		542634	50.0000		
67 Chlorobenzene	112	12.207	12.208 (1.002)		555973	50.0000	50.0	
152 1-Chlorohexane	91	12.179	12.179 (0.999)		317979	50.0000	50.0	
68 Ethylbenzene	106	12.243	12.244 (1.005)		320266	50.0000	50.0	
69 1,1,1,2-Tetrachloroethane	131	12.293	12.294 (1.009)		223375	50.0000	50.0	
71 m+p-Xylenes	106	12.436	12.437 (1.021)		760343	100.000	100	
72 o-Xylene	106	13.001	13.001 (1.067)		359572	50.0000	50.0	
73 Styrene	104	13.080	13.080 (1.073)		651608	50.0000	50.0	
74 Bromoform	173	13.115	13.116 (1.076)		145917	50.0000	50.0	
75 Isopropylbenzene	105	13.437	13.437 (0.866)		1043712	50.0000	50.0	
\$ 76 P-Bromofluorobenzene	95	13.837	13.838 (1.591)		297020	50.0000	50.0	
77 cis-1,4-Dichloro-2-Butene	53	13.937	13.938 (0.898)		106801	50.0000	50.0	
78 trans-1,4-Dichloro-2-Butene	53	14.395	14.395 (0.928)		88044	50.0000	50.0	
79 Bromobenzene	156	13.980	13.981 (0.901)		243899	50.0000	50.0	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT		ON-COL
							(ug/l)		(ug/l)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
80 N-Propylbenzene	91	14.023	14.024	(0.904)	1269963	50.0000	50.0		
81 1,1,2,2-Tetrachloroethane	83	14.130	14.131	(0.911)	279170	50.0000	50.0		
82 1,3,5-Trimethylbenzene	105	14.316	14.317	(0.923)	977741	50.0000	50.0		
83 2-Chlorotoluene	91	14.252	14.252	(0.918)	808828	50.0000	50.0		
84 1,2,3-Trichloropropane	75	14.330	14.331	(0.924)	243579	50.0000	50.0		
85 4-Chlorotoluene	91	14.502	14.502	(0.935)	820699	50.0000	50.0		
86 tert-Butylbenzene	119	14.788	14.788	(0.953)	863992	50.0000	50.0		
87 Pentachloroethane	117	14.824	14.824	(0.955)	184085	50.0000	50.0		
88 1,2,4-Trimethylbenzene	105	14.902	14.903	(0.960)	960928	50.0000	50.0		
89 P-Isopropyltoluene	119	15.295	15.296	(0.986)	933633	50.0000	50.0		
90 1,3-Dichlorobenzene	146	15.395	15.396	(0.992)	424725	50.0000	50.0		
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	329788	50.0000			
92 1,4-Dichlorobenzene	146	15.538	15.539	(1.001)	463204	50.0000	50.0		
93 N-Butylbenzene	91	15.967	15.968	(1.029)	1022881	50.0000	50.0		
94 sec-Butylbenzene	105	15.067	15.067	(0.971)	1126105	50.0000	50.0		
95 1,2-Dichlorobenzene	146	16.218	16.218	(1.045)	392012	50.0000	50.0		
96 1,2-Dibromo-3-Chloropropane	75	17.561	17.562	(1.132)	53673	50.0000	50.0		
97 1,3,5-Trichlorobenzene	180	17.619	17.619	(1.135)	302175	50.0000	50.0		
98 Hexachlorobutadiene	225	18.719	18.720	(1.206)	141567	50.0000	50.0		
99 1,2,4-Trichlorobenzene	180	18.762	18.763	(1.209)	230917	50.0000	50.0		
100 1,2,3-Trimethylbenzene	105	15.581	15.582	(1.004)	872747	50.0000	50.0		
101 Naphthalene	128	19.348	19.349	(1.247)	467717	50.0000	50.0		
102 1,2,3-Trichlorobenzene	180	19.684	19.685	(1.269)	147572	50.0000	50.0		
103 Methyl Acetate	43	4.967	4.967	(0.618)	175586	50.0000	50.0		
104 Methylcyclohexane	83	8.626	8.627	(1.073)	389847	50.0000	50.0		

QC Flag Legend

M - Compound response manually integrated.

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Date : 08-APR-2015 10:49

Client ID: Initial Calibration

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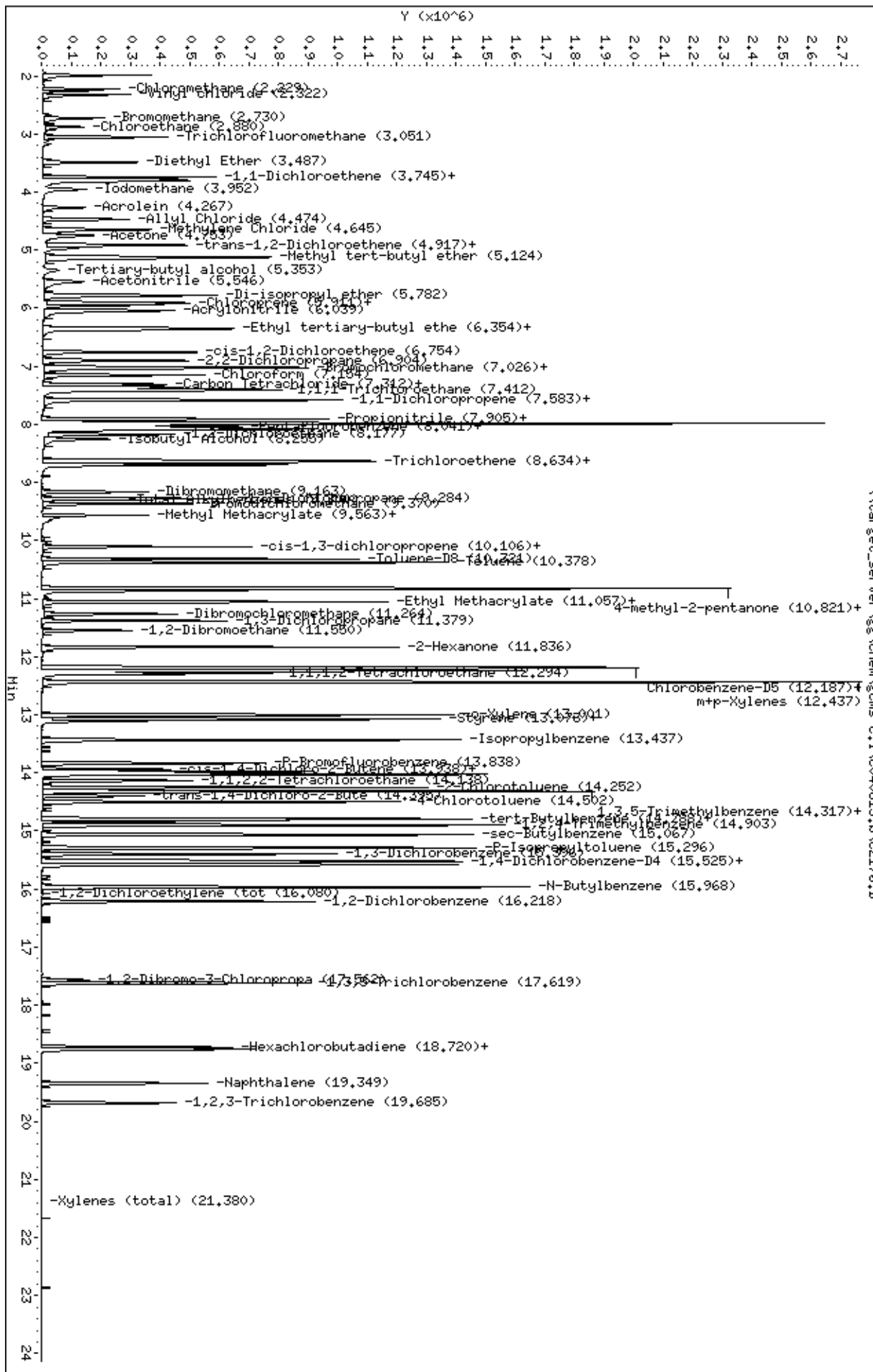
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Instrument: goms-c.i

Operator: EHE

Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-c.i\C040815.b\C2177.D
Report Date: 10-Apr-2015 09:24

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C040815.b\C2177.D
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Inj Date : 08-APR-2015 11:59
Operator : EME Inst ID: gcms-c.i
Smp Info : WG160924-3
Misc Info :
Comment : SW846 5030
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Meth Date : 08-Apr-2015 14:42 rcrocker Quant Type: ISTD
Cal Date : 08-APR-2015 11:59 Cal File: C2177.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

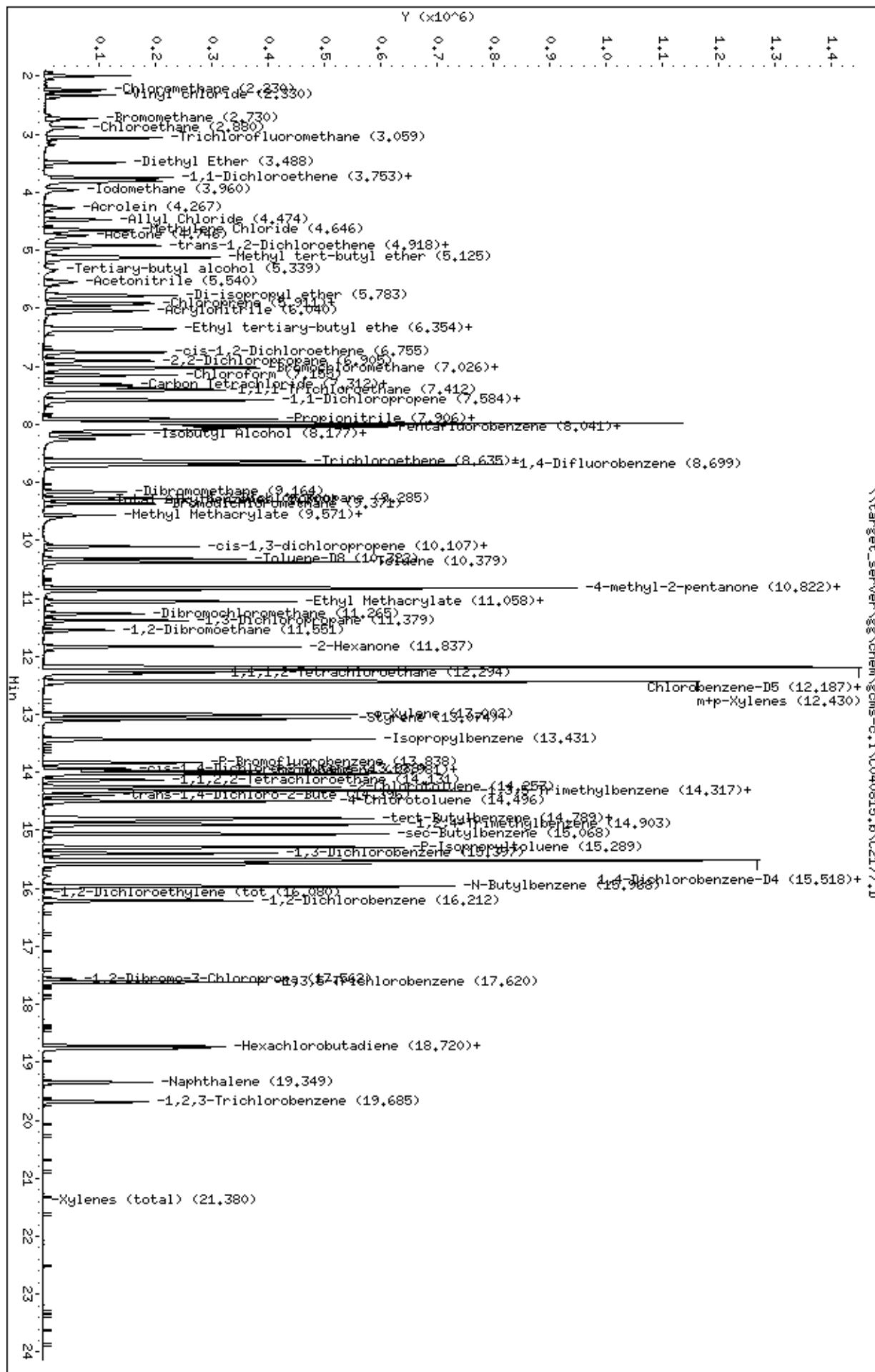
Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 Dichlorodifluoromethane	85	1.986	1.986 (0.247)		127256		20.0000	21.2	
2 Chloromethane	50	2.230	2.229 (0.277)		157725		20.0000	19.6	
3 Vinyl chloride	62	2.330	2.322 (0.290)		118145		20.0000	20.7	
4 Bromomethane	94	2.730	2.730 (0.340)		62272		20.0000	19.8	
5 Chloroethane	64	2.880	2.880 (0.358)		60427		20.0000	20.0	
6 Trichlorofluoromethane	101	3.059	3.051 (0.380)		146956		20.0000	20.6	
7 Diethyl Ether	59	3.488	3.487 (0.434)		80996		20.0000	20.4	
8 Tertiary-butyl alcohol	59	5.339	5.353 (0.664)		45068		100.000	100	
9 1,1-Dichloroethene	96	3.752	3.745 (0.467)		79485		20.0000	19.8	
10 Carbon Disulfide	76	3.788	3.780 (0.471)		223193		20.0000	20.0	
11 Freon-113	151	3.809	3.809 (0.474)		59021		20.0000	21.4	
12 Iodomethane	142	3.959	3.952 (0.492)		93243		20.0000	20.9	
13 Acrolein	56	4.267	4.267 (0.531)		59221		100.000	101	
14 Methylene Chloride	84	4.653	4.645 (0.579)		97577		20.0000	20.5	
15 Acetone	43	4.746	4.753 (0.590)		147746		100.000	105	
16 Isobutyl Alcohol	43	8.255	8.255 (1.027)		69193		400.000	446	
17 trans-1,2-Dichloroethene	96	4.917	4.917 (0.612)		90725		20.0000	20.1	
18 Allyl Chloride	41	4.474	4.474 (0.556)		92930		20.0000	21.4	
19 Methyl tert-butyl ether	73	5.124	5.124 (0.637)		427104		40.0000	43.4	
20 Acetonitrile	39	5.539	5.546 (0.689)		20340		200.000	185	
21 Di-isopropyl ether	45	5.782	5.782 (0.719)		267262		20.0000	21.5	
22 Chloroprene	53	5.911	5.911 (0.735)		138906		20.0000	21.4	
23 Propionitrile	54	7.962	7.962 (0.990)		145108		200.000	209	
24 Methacrylonitrile	41	7.984	7.984 (0.993)		553539		200.000	211	

						AMOUNTS		
		QUANT	SIG			CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/l)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.946	5.946	(0.740)	183438	20.0000	21.1	
26 Acrylonitrile	52	6.039	6.039	(0.751)	155554	100.000	102	
27 Ethyl tertiary-butyl ether	59	6.347	6.347	(0.789)	237290	20.0000	21.5	
28 Vinyl Acetate	43	6.368	6.368	(0.732)	197002	20.0000	19.6	
29 cis-1,2-Dichloroethene	96	6.754	6.761	(0.840)	95989	20.0000	20.7	
31 Methyl Methacrylate	41	9.563	9.563	(1.099)	62438	20.0000	23.1	
32 2,2-Dichloropropane	77	6.904	6.904	(0.859)	150486	20.0000	21.3	
33 Bromochloromethane	128	7.033	7.033	(0.875)	39056	20.0000	20.8	
34 Chloroform	83	7.155	7.154	(0.890)	186386	20.0000	20.3	
35 Carbon Tetrachloride	117	7.319	7.312	(0.841)	107910	20.0000	21.6	
36 Tetrahydrofuran	42	7.362	7.362	(0.916)	134323	100.000	112	
\$ 37 Dibromofluoromethane	113	7.398	7.405	(0.920)	70470	20.0000	20.8	
38 1,1,1-Trichloroethane	97	7.412	7.412	(0.922)	177286	20.0000	20.4	
39 1,1-Dichloropropene	75	7.583	7.583	(0.872)	133501	20.0000	21.5	
40 2-Butanone	43	7.576	7.583	(0.942)	208136	100.000	118	
41 Benzene	78	7.905	7.905	(0.909)	334346	20.0000	21.0	
* 42 Pentafluorobenzene	168	8.041	8.041	(1.000)	335811	50.0000		
43 Cyclohexane	56	7.019	7.019	(0.873)	155759	20.0000	21.5	
44 Ethyl Methacrylate	69	11.057	11.057	(1.271)	88908	20.0000	19.5	
\$ 45 1,2-Dichloroethane-D4	65	8.091	8.090	(1.006)	93226	20.0000	19.9	
46 Tertiary-amyl methyl ether	73	8.077	8.076	(1.004)	178864	20.0000	21.4	
47 1,2-Dichloroethane	62	8.177	8.177	(0.940)	152389	20.0000	19.6	
48 Trichloroethene	95	8.648	8.648	(0.994)	98167	20.0000	20.0	
* 49 1,4-Difluorobenzene	114	8.698	8.698	(1.000)	552626	50.0000		
50 Dibromomethane	93	9.163	9.163	(1.053)	56399	20.0000	20.7	
51 1,2-Dichloropropane	63	9.285	9.284	(1.067)	82287	20.0000	20.0	
52 Bromodichloromethane	83	9.363	9.370	(1.076)	132744	20.0000	22.0	
53 cis-1,3-dichloropropene	75	10.107	10.106	(1.162)	142522	20.0000	22.6	
54 1,4-Dioxane	88	9.606	9.606	(1.104)	20403	400.000	274	
\$ 55 Toluene-D8	98	10.321	10.321	(1.187)	210795	20.0000	20.5	
56 2-Chloroethylvinylether	63	10.049	10.049	(1.155)	3394	20.0000	17.2	
57 Toluene	92	10.378	10.378	(1.193)	217906	20.0000	21.3	
58 4-methyl-2-pentanone	43	10.821	10.828	(1.244)	406533	100.000	110	
59 Tetrachloroethene	164	10.821	10.821	(0.888)	68941	20.0000	19.2	
60 trans-1,3-Dichloropropene	75	10.864	10.871	(1.249)	132117	20.0000	22.1	
61 1,1,2-Trichloroethane	83	11.057	11.057	(1.271)	65013	20.0000	20.8	
62 Dibromochloromethane	129	11.265	11.264	(0.924)	89976	20.0000	22.6	
63 1,3-Dichloropropane	76	11.379	11.379	(0.934)	146065	20.0000	20.8	
64 1,2-Dibromoethane	107	11.551	11.550	(1.328)	82443	20.0000	20.5	
65 2-Hexanone	43	11.836	11.836	(0.971)	290451	100.000	115	
* 66 Chlorobenzene-D5	117	12.187	12.187	(1.000)	545724	50.0000		
67 Chlorobenzene	112	12.208	12.208	(1.002)	226657	20.0000	19.9	
152 1-Chlorohexane	91	12.180	12.179	(0.999)	127591	20.0000	20.0	
68 Ethylbenzene	106	12.244	12.244	(1.005)	131710	20.0000	20.9	
69 1,1,1,2-Tetrachloroethane	131	12.294	12.294	(1.009)	90239	20.0000	22.2	
71 m+p-Xylenes	106	12.430	12.437	(1.020)	314780	40.0000	42.3	
72 o-Xylene	106	13.002	13.001	(1.067)	143510	20.0000	22.1	
73 Styrene	104	13.073	13.080	(1.073)	263242	20.0000	22.4	
74 Bromoform	173	13.116	13.116	(1.076)	53507	20.0000	22.0	
75 Isopropylbenzene	105	13.430	13.437	(0.865)	428370	20.0000	21.9	
\$ 76 P-Bromofluorobenzene	95	13.838	13.838	(1.591)	115439	20.0000	21.9	
77 cis-1,4-Dichloro-2-Butene	53	13.938	13.938	(0.898)	38632	20.0000	18.9	
78 trans-1,4-Dichloro-2-Butene	53	14.395	14.395	(0.928)	32806	20.0000	19.3	
79 Bromobenzene	156	13.981	13.981	(0.901)	97772	20.0000	20.8	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT		ON-COL
							(ug/l)		(ug/l)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
80 N-Propylbenzene	91	14.024	14.024	(0.904)	530787	20.0000	21.9		
81 1,1,2,2-Tetrachloroethane	83	14.131	14.131	(0.911)	111572	20.0000	20.5		
82 1,3,5-Trimethylbenzene	105	14.317	14.317	(0.923)	411445	20.0000	21.8		
83 2-Chlorotoluene	91	14.252	14.252	(0.918)	336110	20.0000	21.2		
84 1,2,3-Trichloropropane	75	14.331	14.331	(0.924)	100758	20.0000	20.3		
85 4-Chlorotoluene	91	14.496	14.502	(0.934)	342261	20.0000	21.3		
86 tert-Butylbenzene	119	14.789	14.788	(0.953)	349716	20.0000	21.7		
87 Pentachloroethane	117	14.824	14.824	(0.955)	72234	20.0000	22.7		
88 1,2,4-Trimethylbenzene	105	14.903	14.903	(0.960)	396995	20.0000	21.7		
89 P-Isopropyltoluene	119	15.289	15.296	(0.985)	398779	20.0000	22.6		
90 1,3-Dichlorobenzene	146	15.396	15.396	(0.992)	177606	20.0000	20.5		
* 91 1,4-Dichlorobenzene-D4	152	15.518	15.518	(1.000)	325737	50.0000			
92 1,4-Dichlorobenzene	146	15.539	15.539	(1.001)	190623	20.0000	20.0		
93 N-Butylbenzene	91	15.968	15.968	(1.029)	451300	20.0000	23.9		
94 sec-Butylbenzene	105	15.067	15.067	(0.971)	482087	20.0000	21.8		
95 1,2-Dichlorobenzene	146	16.211	16.218	(1.045)	161909	20.0000	20.8		
96 1,2-Dibromo-3-Chloropropane	75	17.562	17.562	(1.132)	19707	20.0000	19.2		
97 1,3,5-Trichlorobenzene	180	17.619	17.619	(1.135)	132250	20.0000	21.7		
98 Hexachlorobutadiene	225	18.720	18.720	(1.206)	71447	20.0000	23.9		
99 1,2,4-Trichlorobenzene	180	18.763	18.763	(1.209)	95415	20.0000	21.0		
100 1,2,3-Trimethylbenzene	105	15.582	15.582	(1.004)	361886	20.0000	20.7		
101 Naphthalene	128	19.349	19.349	(1.247)	154810	20.0000	18.2		
102 1,2,3-Trichlorobenzene	180	19.685	19.685	(1.269)	62795	20.0000	20.3		
103 Methyl Acetate	43	4.967	4.967	(0.618)	68874	20.0000	21.3		
104 Methylcyclohexane	83	8.627	8.627	(1.073)	158203	20.0000	22.4		

Data File: \\target_server\gs\chem\gms-c.i\CD040815.b\CD2177.D
 Date : 08-APR-2015 11:59
 Client ID: Initial Calibration
 Sample Info: M0160924-3
 Purge Volume: 5.0
 Column phase: RTX-VHS

Instrument: gms-c.i
 Operator: EHE
 Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-c.i\C040815.b\C2178.D
Report Date: 10-Apr-2015 09:24

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C040815.b\C2178.D
Lab Smp Id: WG160924-2 Client Smp ID: Initial Calibration
Inj Date : 08-APR-2015 12:31
Operator : EME Inst ID: gcms-c.i
Smp Info : WG160924-2
Misc Info :
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C040815.b\C826A36.m
Meth Date : 08-Apr-2015 14:42 rcrocker Quant Type: ISTD
Cal Date : 08-APR-2015 12:31 Cal File: C2178.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 Dichlorodifluoromethane	85	1.988	1.986 (0.247)		27015		5.00000	4.6	
2 Chloromethane	50	2.231	2.229 (0.278)		37896		5.00000	4.8	
3 Vinyl chloride	62	2.324	2.322 (0.289)		26841		5.00000	4.8	
4 Bromomethane	94	2.724	2.730 (0.339)		13213		5.00000	4.3	
5 Chloroethane	64	2.889	2.880 (0.360)		14541		5.00000	5.0	
6 Trichlorofluoromethane	101	3.060	3.051 (0.381)		33355		5.00000	4.8	
7 Diethyl Ether	59	3.489	3.487 (0.434)		18420		5.00000	4.8	
8 Tertiary-butyl alcohol	59	5.333	5.353 (0.664)		11494		25.0000	26.3(M)	M9
9 1,1-Dichloroethene	96	3.747	3.745 (0.466)		19387		5.00000	5.0	
10 Carbon Disulfide	76	3.782	3.780 (0.471)		49631		5.00000	4.7	
11 Freon-113	151	3.811	3.809 (0.474)		12759		5.00000	4.8	
12 Iodomethane	142	3.954	3.952 (0.492)		21569		5.00000	4.8	
13 Acrolein	56	4.268	4.267 (0.531)		11772		25.0000	20.7	
14 Methylene Chloride	84	4.654	4.645 (0.579)		25325		5.00000	5.1	
15 Acetone	43	4.747	4.753 (0.591)		30980		25.0000	22.6	
16 Isobutyl Alcohol	43	8.264	8.255 (1.028)		14777		100.000	97.9	
17 trans-1,2-Dichloroethene	96	4.919	4.917 (0.612)		21521		5.00000	4.9	
18 Allyl Chloride	41	4.476	4.474 (0.557)		20268		5.00000	4.8	
19 Methyl tert-butyl ether	73	5.126	5.124 (0.638)		93486		10.0000	9.8	
20 Acetonitrile	39	5.555	5.546 (0.691)		5950		50.0000	55.5(M)	M9
21 Di-isopropyl ether	45	5.784	5.782 (0.720)		59013		5.00000	4.9	
22 Chloroprene	53	5.905	5.911 (0.735)		30633		5.00000	4.8	
23 Propionitrile	54	7.964	7.962 (0.991)		34737		50.0000	51.4	
24 Methacrylonitrile	41	7.985	7.984 (0.994)		126506		50.0000	49.6	

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Compounds	QUANT	SIG	AMOUNTS					REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	
=====	=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.948	5.946	(0.740)	44689	5.00000	5.3	
26 Acrylonitrile	52	6.048	6.039	(0.753)	37067	25.0000	25.0	
27 Ethyl tertiary-butyl ether	59	6.348	6.347	(0.790)	51377	5.00000	4.8	
28 Vinyl Acetate	43	6.377	6.368	(0.733)	39245	5.00000	4.5	
29 cis-1,2-Dichloroethene	96	6.763	6.761	(0.842)	21698	5.00000	4.8	
31 Methyl Methacrylate	41	9.572	9.563	(1.100)	11941	5.00000	4.6	
32 2,2-Dichloropropane	77	6.906	6.904	(0.859)	33123	5.00000	4.8	
33 Bromochloromethane	128	7.035	7.033	(0.875)	8383	5.00000	4.6	
34 Chloroform	83	7.156	7.154	(0.891)	42894	5.00000	4.8	
35 Carbon Tetrachloride	117	7.321	7.312	(0.841)	21770	5.00000	4.5	
36 Tetrahydrofuran	42	7.363	7.362	(0.916)	30025	25.0000	25.7	
\$ 37 Dibromofluoromethane	113	7.399	7.405	(0.921)	16591	5.00000	5.0	
38 1,1,1-Trichloroethane	97	7.406	7.412	(0.922)	40997	5.00000	4.8	
39 1,1-Dichloropropene	75	7.585	7.583	(0.872)	29438	5.00000	4.9	
40 2-Butanone	43	7.585	7.583	(0.944)	40972	25.0000	23.8	
41 Benzene	78	7.907	7.905	(0.909)	76618	5.00000	5.0	
* 42 Pentafluorobenzene	168	8.035	8.041	(1.000)	326854	50.0000		
43 Cyclohexane	56	7.020	7.019	(0.874)	34788	5.00000	4.9	
44 Ethyl Methacrylate	69	11.059	11.057	(1.271)	17964	5.00000	4.5	
\$ 45 1,2-Dichloroethane-D4	65	8.093	8.090	(1.007)	22488	5.00000	4.9	
46 Tertiary-amyl methyl ether	73	8.078	8.076	(1.005)	38812	5.00000	4.8	
47 1,2-Dichloroethane	62	8.178	8.177	(0.940)	37371	5.00000	5.0	
48 Trichloroethene	95	8.650	8.648	(0.994)	22967	5.00000	4.8	
* 49 1,4-Difluorobenzene	114	8.700	8.698	(1.000)	532458	50.0000		
50 Dibromomethane	93	9.165	9.163	(1.053)	15072	5.00000	5.4	
51 1,2-Dichloropropane	63	9.286	9.284	(1.067)	18974	5.00000	4.8	
52 Bromodichloromethane	83	9.365	9.370	(1.076)	28347	5.00000	4.9	
53 cis-1,3-dichloropropene	75	10.108	10.106	(1.162)	29282	5.00000	4.8	
54 1,4-Dioxane	88	9.615	9.606	(1.105)	8358	100.000	116	
\$ 55 Toluene-D8	98	10.316	10.321	(1.186)	48052	5.00000	4.8	
56 2-Chloroethylvinylether	63	10.044	10.049	(1.154)	1060	5.00000	5.6(M)	M6
57 Toluene	92	10.380	10.378	(1.193)	48813	5.00000	5.0	
58 4-methyl-2-pentanone	43	10.823	10.828	(1.244)	88900	25.0000	25.0	
59 Tetrachloroethene	164	10.823	10.821	(0.888)	17110	5.00000	4.9	
60 trans-1,3-Dichloropropene	75	10.866	10.871	(1.249)	27885	5.00000	4.8	
61 1,1,2-Trichloroethane	83	11.052	11.057	(1.270)	14773	5.00000	4.9	
62 Dibromochloromethane	129	11.266	11.264	(0.924)	17948	5.00000	4.7	
63 1,3-Dichloropropane	76	11.381	11.379	(0.934)	34025	5.00000	5.0	
65 2-Hexanone	43	11.838	11.836	(0.971)	57705	25.0000	23.6	
* 66 Chlorobenzene-D5	117	12.188	12.187	(1.000)	526997	50.0000		
67 Chlorobenzene	112	12.210	12.208	(1.002)	54628	5.00000	5.0	
152 1-Chlorohexane	91	12.181	12.179	(0.999)	29336	5.00000	4.8	
68 Ethylbenzene	106	12.238	12.244	(1.004)	30896	5.00000	5.1	
69 1,1,1,2-Tetrachloroethane	131	12.288	12.294	(1.008)	17726	5.00000	4.5	
71 m+p-Xylenes	106	12.431	12.437	(1.020)	70942	10.0000	9.9	
72 o-Xylene	106	13.003	13.001	(1.067)	29752	5.00000	4.8	
73 Styrene	104	13.082	13.080	(1.073)	55712	5.00000	4.9	
74 Bromoform	173	13.118	13.116	(1.076)	11421	5.00000	4.9	
75 Isopropylbenzene	105	13.432	13.437	(0.866)	95152	5.00000	5.0	
\$ 76 P-Bromofluorobenzene	95	13.832	13.838	(1.590)	25608	5.00000	5.0	
77 cis-1,4-Dichloro-2-Butene	53	13.933	13.938	(0.898)	8026	5.00000	4.6	
78 trans-1,4-Dichloro-2-Butene	53	14.397	14.395	(0.928)	6985	5.00000	4.7	
79 Bromobenzene	156	13.983	13.981	(0.901)	24090	5.00000	5.3	
80 N-Propylbenzene	91	14.025	14.024	(0.904)	121037	5.00000	5.2	

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Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT		ON-COL
							(ug/l)		(ug/l)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
81 1,1,2,2-Tetrachloroethane	83	14.133	14.131	(0.911)	26596	5.00000	5.1		
82 1,3,5-Trimethylbenzene	105	14.318	14.317	(0.923)	94957	5.00000	5.2		
83 2-Chlorotoluene	91	14.254	14.252	(0.919)	75789	5.00000	5.0		
84 1,2,3-Trichloropropane	75	14.333	14.331	(0.924)	25132	5.00000	5.2		
85 4-Chlorotoluene	91	14.497	14.502	(0.935)	79154	5.00000	5.1		
86 tert-Butylbenzene	119	14.790	14.788	(0.953)	80517	5.00000	5.2		
87 Pentachloroethane	117	14.819	14.824	(0.955)	15309	5.00000	5.0		
88 1,2,4-Trimethylbenzene	105	14.897	14.903	(0.960)	90632	5.00000	5.1		
89 P-Isopropyltoluene	119	15.291	15.296	(0.986)	83324	5.00000	4.9		
90 1,3-Dichlorobenzene	146	15.398	15.396	(0.993)	41042	5.00000	4.9		
* 91 1,4-Dichlorobenzene-D4	152	15.512	15.518	(1.000)	314543	50.0000			
92 1,4-Dichlorobenzene	146	15.541	15.539	(1.002)	47047	5.00000	5.1		
93 N-Butylbenzene	91	15.963	15.968	(1.029)	90962	5.00000	5.0		
94 sec-Butylbenzene	105	15.062	15.067	(0.971)	109364	5.00000	5.1		
95 1,2-Dichlorobenzene	146	16.213	16.218	(1.045)	38367	5.00000	5.1		
96 1,2-Dibromo-3-Chloropropane	75	17.564	17.562	(1.132)	3846	5.00000	4.5		
97 1,3,5-Trichlorobenzene	180	17.621	17.619	(1.136)	28960	5.00000	4.7		
98 Hexachlorobutadiene	225	18.722	18.720	(1.207)	16843	5.00000	4.9		
99 1,2,4-Trichlorobenzene	180	18.757	18.763	(1.209)	16031	5.00000	4.1		
100 1,2,3-Trimethylbenzene	105	15.584	15.582	(1.005)	87210	5.00000	5.2		
101 Naphthalene	128	19.351	19.349	(1.247)	14461	5.00000	3.4		
102 1,2,3-Trichlorobenzene	180	19.687	19.685	(1.269)	10316	5.00000	3.9		
103 Methyl Acetate	43	4.976	4.967	(0.619)	14348	5.00000	4.6		
104 Methylcyclohexane	83	8.629	8.627	(1.074)	32052	5.00000	4.7		

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\gs\chem\gms-c.i\CD040815.b\CD2178.D

Date : 08-APR-2015 12:31

Client ID: Initial Calibration

Sample Info: M0160924-2

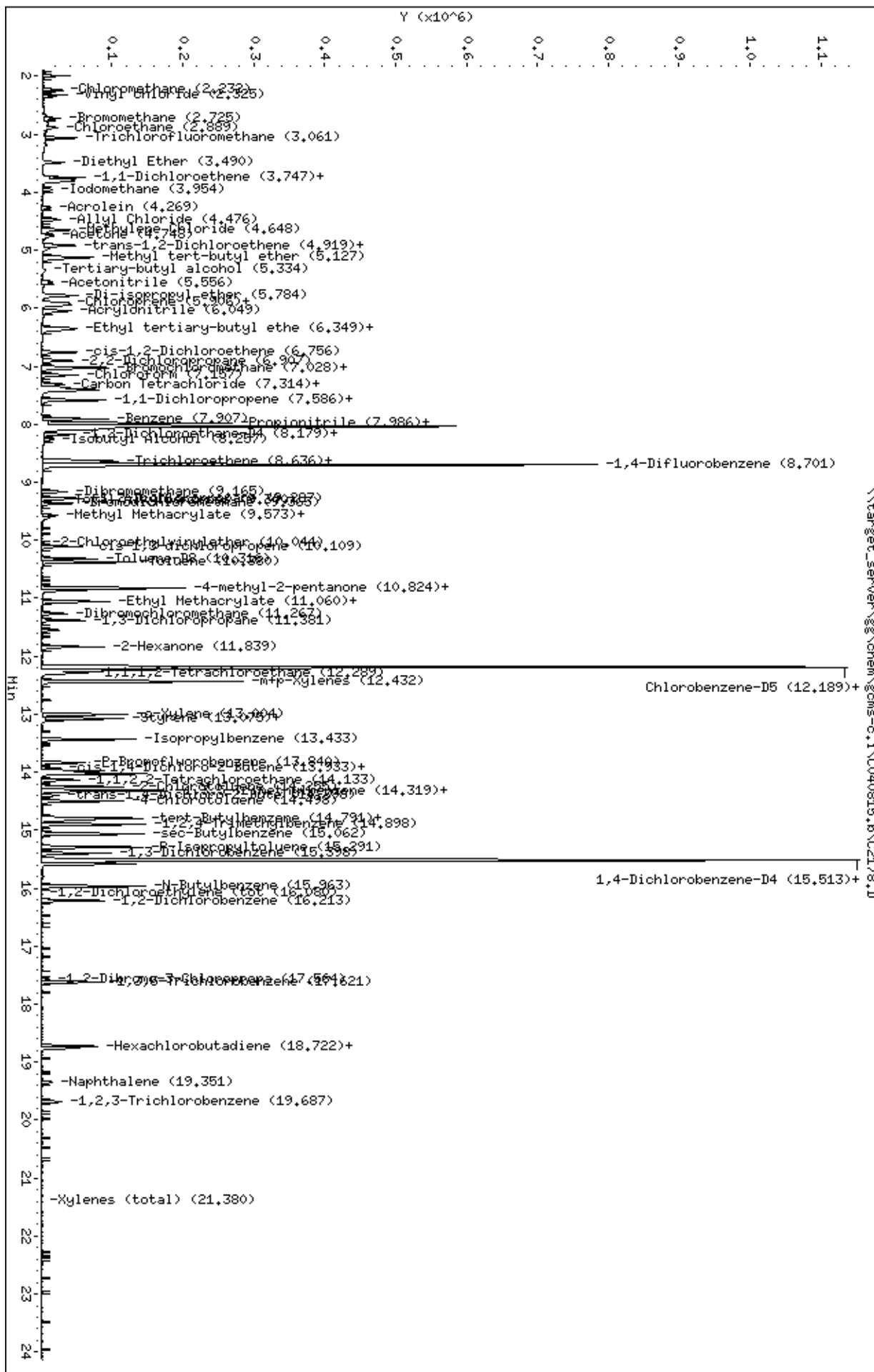
Purge Volume: 5.0

Column phase: RTX-VHS

Instrument: gms-c.i

Operator: EHE

Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-c.i\C040815.b\C2179.D
Report Date: 10-Apr-2015 09:24

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C040815.b\C2179.D
Lab Smp Id: WG160924-1 Client Smp ID: Initial Calibration
Inj Date : 08-APR-2015 13:02
Operator : EME Inst ID: gcms-c.i
Smp Info : WG160924-1
Misc Info :
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C040815.b\C826A36.m
Meth Date : 08-Apr-2015 14:42 rcrocker Quant Type: ISTD
Cal Date : 08-APR-2015 13:02 Cal File: C2179.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
						CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85	1.988	1.986 (0.247)		5512	1.00000	0.96(a)	
2 Chloromethane	50	2.231	2.229 (0.278)		8502	1.00000	1.1	
3 Vinyl chloride	62	2.324	2.322 (0.289)		5370	1.00000	0.99(a)	
4 Bromomethane	94	2.731	2.730 (0.340)		3783	1.00000	1.3	
5 Chloroethane	64	2.889	2.880 (0.360)		3385	1.00000	1.2(M)	M9
6 Trichlorofluoromethane	101	3.060	3.051 (0.381)		7500	1.00000	1.1	
7 Diethyl Ether	59	3.489	3.487 (0.434)		3942	1.00000	1.0	
8 Tertiary-butyl alcohol	59	5.355	5.353 (0.666)		2164	5.00000	5.1(M)	M9
9 1,1-Dichloroethene	96	3.746	3.745 (0.466)		3979	1.00000	1.0	
10 Carbon Disulfide	76	3.789	3.780 (0.472)		11143	1.00000	1.2	
11 Freon-113	151	3.825	3.809 (0.476)		2435	1.00000	0.93(aM)	M9
12 Iodomethane	142	3.961	3.952 (0.493)		4354	1.00000	0.83(aM)	M6
13 Acrolein	56	4.268	4.267 (0.531)		2867	5.00000	5.2(M)	M9
15 Acetone	43	4.754	4.753 (0.592)		6778	5.00000	5.0(M)	M9
16 Isobutyl Alcohol	43	8.257	8.255 (1.028)		2423	20.0000	16.4(aM)	M9
17 trans-1,2-Dichloroethene	96	4.926	4.917 (0.613)		4445	1.00000	1.0	
18 Allyl Chloride	41	4.468	4.474 (0.556)		3876	1.00000	0.94(a)	
19 Methyl tert-butyl ether	73	5.133	5.124 (0.639)		16180	2.00000	1.7	
20 Acetonitrile	39	5.569	5.546 (0.693)		948	10.0000	9.0(aM)	M9
21 Di-isopropyl ether	45	5.777	5.782 (0.719)		10229	1.00000	0.87(a)	
22 Chloroprene	53	5.919	5.911 (0.737)		5174	1.00000	0.84(a)	
23 Propionitrile	54	7.971	7.962 (0.992)		6027	10.0000	9.1(a)	
24 Methacrylonitrile	41	7.992	7.984 (0.995)		23810	10.0000	9.6(a)	
25 1,1-Dichloroethane	63	5.948	5.946 (0.740)		7134	1.00000	0.86(a)	

REC
4:29 pm, Apr 22, 2015

Data File: \\target_server\gg\chem\gcms-c.i\C040815.b\C2179.D
Report Date: 10-Apr-2015 09:24

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
26 Acrylonitrile	52	6.055	6.039	(0.754)	6809	5.00000	4.7(aM)	M9
27 Ethyl tertiary-butyl ether	59	6.348	6.347	(0.790)	8957	1.00000	0.85(a)	
28 Vinyl Acetate	43	6.391	6.368	(0.735)	6270	1.00000	1.2(M)	M6
29 cis-1,2-Dichloroethene	96	6.756	6.761	(0.841)	4463	1.00000	1.0	
31 Methyl Methacrylate	41	9.572	9.563	(1.100)	1679	1.00000	0.66(aM)	M9
32 2,2-Dichloropropane	77	6.899	6.904	(0.859)	5822	1.00000	0.87(a)	
33 Bromochloromethane	128	7.027	7.033	(0.875)	1902	1.00000	1.1	
34 Chloroform	83	7.156	7.154	(0.891)	8819	1.00000	1.0	
35 Carbon Tetrachloride	117	7.313	7.312	(0.841)	3966	1.00000	0.84(a)	
36 Tetrahydrofuran	42	7.371	7.362	(0.917)	4337	5.00000	3.8(a)	
\$ 37 Dibromofluoromethane	113	7.406	7.405	(0.922)	2662	1.00000	0.83(a)	
38 1,1,1-Trichloroethane	97	7.413	7.412	(0.923)	8098	1.00000	0.98(a)	
39 1,1-Dichloropropene	75	7.592	7.583	(0.873)	5120	1.00000	0.88(a)	
40 2-Butanone	43	7.592	7.583	(0.945)	5848	5.00000	3.5(a)	
41 Benzene	78	7.914	7.905	(0.910)	14460	1.00000	0.96(a)	
* 42 Pentafluorobenzene	168	8.035	8.041	(1.000)	319289	50.0000		
43 Cyclohexane	56	7.020	7.019	(0.874)	5923	1.00000	0.86(a)	
44 Ethyl Methacrylate	69	11.059	11.057	(1.271)	3249	1.00000	1.2	
\$ 45 1,2-Dichloroethane-D4	65	8.092	8.090	(1.007)	3813	1.00000	0.86(aM)	M6
46 Tertiary-amyl methyl ether	73	8.078	8.076	(1.005)	6844	1.00000	0.86(a)	
47 1,2-Dichloroethane	62	8.178	8.177	(0.940)	7890	1.00000	1.1	
48 Trichloroethene	95	8.650	8.648	(0.994)	4906	1.00000	1.1	
* 49 1,4-Difluorobenzene	114	8.700	8.698	(1.000)	519476	50.0000		
50 Dibromomethane	93	9.165	9.163	(1.053)	2591	1.00000	0.60(a)	
51 1,2-Dichloropropane	63	9.293	9.284	(1.068)	3919	1.00000	1.0(M)	M6
52 Bromodichloromethane	83	9.365	9.370	(1.076)	4655	1.00000	0.82(aM)	M6
53 cis-1,3-dichloropropene	75	10.108	10.106	(1.162)	4569	1.00000	0.77(a)	
54 1,4-Dioxane	88	9.615	9.606	(1.105)	2264	20.0000	32.3(M)	M9
\$ 55 Toluene-D8	98	10.323	10.321	(1.186)	7747	1.00000	0.80(a)	
56 2-Chloroethylvinylether	63	10.051	10.049	(1.155)	253	1.00000	1.4(M)	M6
57 Toluene	92	10.380	10.378	(1.193)	9148	1.00000	0.95(a)	
58 4-methyl-2-pentanone	43	10.830	10.828	(1.245)	13859	5.00000	4.0(a)	
59 Tetrachloroethene	164	10.830	10.821	(0.889)	3654	1.00000	1.1	
60 trans-1,3-Dichloropropene	75	10.873	10.871	(1.250)	4700	1.00000	0.84(a)	
61 1,1,2-Trichloroethane	83	11.059	11.057	(1.271)	2865	1.00000	0.97(a)	
62 Dibromochloromethane	129	11.266	11.264	(0.924)	2879	1.00000	0.78(a)	
63 1,3-Dichloropropane	76	11.388	11.379	(0.934)	6137	1.00000	0.94(a)	
64 1,2-Dibromoethane	107	11.552	11.550	(1.328)	3652	1.00000	0.96(aM)	M6
65 2-Hexanone	43	11.845	11.836	(0.972)	8213	5.00000	3.5(aM)	M9
* 66 Chlorobenzene-D5	117	12.188	12.187	(1.000)	506724	50.0000		
67 Chlorobenzene	112	12.210	12.208	(1.002)	10913	1.00000	1.0	
152 1-Chlorohexane	91	12.181	12.179	(0.999)	6150	1.00000	1.0	
68 Ethylbenzene	106	12.245	12.244	(1.005)	5355	1.00000	0.92(a)	
69 1,1,1,2-Tetrachloroethane	131	12.295	12.294	(1.009)	3308	1.00000	0.88(a)	
71 m+p-Xylenes	106	12.431	12.437	(1.020)	12857	2.00000	1.8(a)	
72 o-Xylene	106	13.003	13.001	(1.067)	4985	1.00000	0.83(a)	
73 Styrene	104	13.082	13.080	(1.073)	8634	1.00000	0.79(a)	
74 Bromoform	173	13.125	13.116	(1.077)	1632	1.00000	0.72(aM)	M6
75 Isopropylbenzene	105	13.439	13.437	(0.866)	15346	1.00000	0.85(a)	
\$ 76 P-Bromofluorobenzene	95	13.839	13.838	(1.591)	3878	1.00000	0.78(a)	
77 cis-1,4-Dichloro-2-Butene	53	13.947	13.938	(0.899)	1222	1.00000	1.3	
78 trans-1,4-Dichloro-2-Butene	53	14.404	14.395	(0.929)	870	1.00000	1.1	
79 Bromobenzene	156	13.982	13.981	(0.901)	3816	1.00000	0.88(a)	
80 N-Propylbenzene	91	14.025	14.024	(0.904)	18717	1.00000	0.84(a)	

REC

4:20 pm Apr 23, 2015

REC
4:29 pm, Apr 22, 2015

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
81 1,1,2,2-Tetrachloroethane	83	14.140	14.131	(0.912)		4755	1.00000	0.95(a)	
82 1,3,5-Trimethylbenzene	105	14.311	14.317	(0.923)		14781	1.00000	0.85(a)	
83 2-Chlorotoluene	91	14.254	14.252	(0.919)		13733	1.00000	0.94(a)	
84 1,2,3-Trichloropropane	75	14.333	14.331	(0.924)		4447	1.00000	0.97(a)	
85 4-Chlorotoluene	91	14.497	14.502	(0.935)		13380	1.00000	0.90(a)	
86 tert-Butylbenzene	119	14.783	14.788	(0.953)		12103	1.00000	0.81(a)	
88 1,2,4-Trimethylbenzene	105	14.897	14.903	(0.960)		14364	1.00000	0.85(a)	
89 p-Isopropyltoluene	119	15.298	15.296	(0.986)		13881	1.00000	0.85(a)	
90 1,3-Dichlorobenzene	146	15.398	15.396	(0.993)		8234	1.00000	1.0	
* 91 1,4-Dichlorobenzene-D4	152	15.512	15.518	(1.000)	300906	50.0000			
92 1,4-Dichlorobenzene	146	15.541	15.539	(1.002)	8861	1.00000	1.0		
93 n-Butylbenzene	91	15.977	15.968	(1.030)	12876	1.00000	0.74(a)		
94 sec-Butylbenzene	105	15.069	15.067	(0.971)	17774	1.00000	0.87(a)		
95 1,2-Dichlorobenzene	146	16.213	16.218	(1.045)	6758	1.00000	0.94(a)		
96 1,2-Dibromo-3-Chloropropane	75	17.564	17.562	(1.132)	328	1.00000	1.1(M)		M6
97 1,3,5-Trichlorobenzene	180	17.621	17.619	(1.136)	4234	1.00000	0.52(a)		
99 1,2,4-Trichlorobenzene	180	18.757	18.763	(1.209)	1106	1.00000	0.75(a)		
100 1,2,3-Trimethylbenzene	105	15.584	15.582	(1.005)	15214	1.00000	0.94(a)		
101 Naphthalene	128	19.351	19.349	(1.247)	155	1.00000	1.9(M)		M6
102 1,2,3-Trichlorobenzene	180	19.672	19.685	(1.268)	587	1.00000	1.00(M)		M6
103 Methyl Acetate	43	4.983	4.967	(0.620)	2834	1.00000	0.92(aM)		M9
104 Methylcyclohexane	83	8.636	8.627	(1.075)	5584	1.00000	0.83(a)		

QC Flag Legend

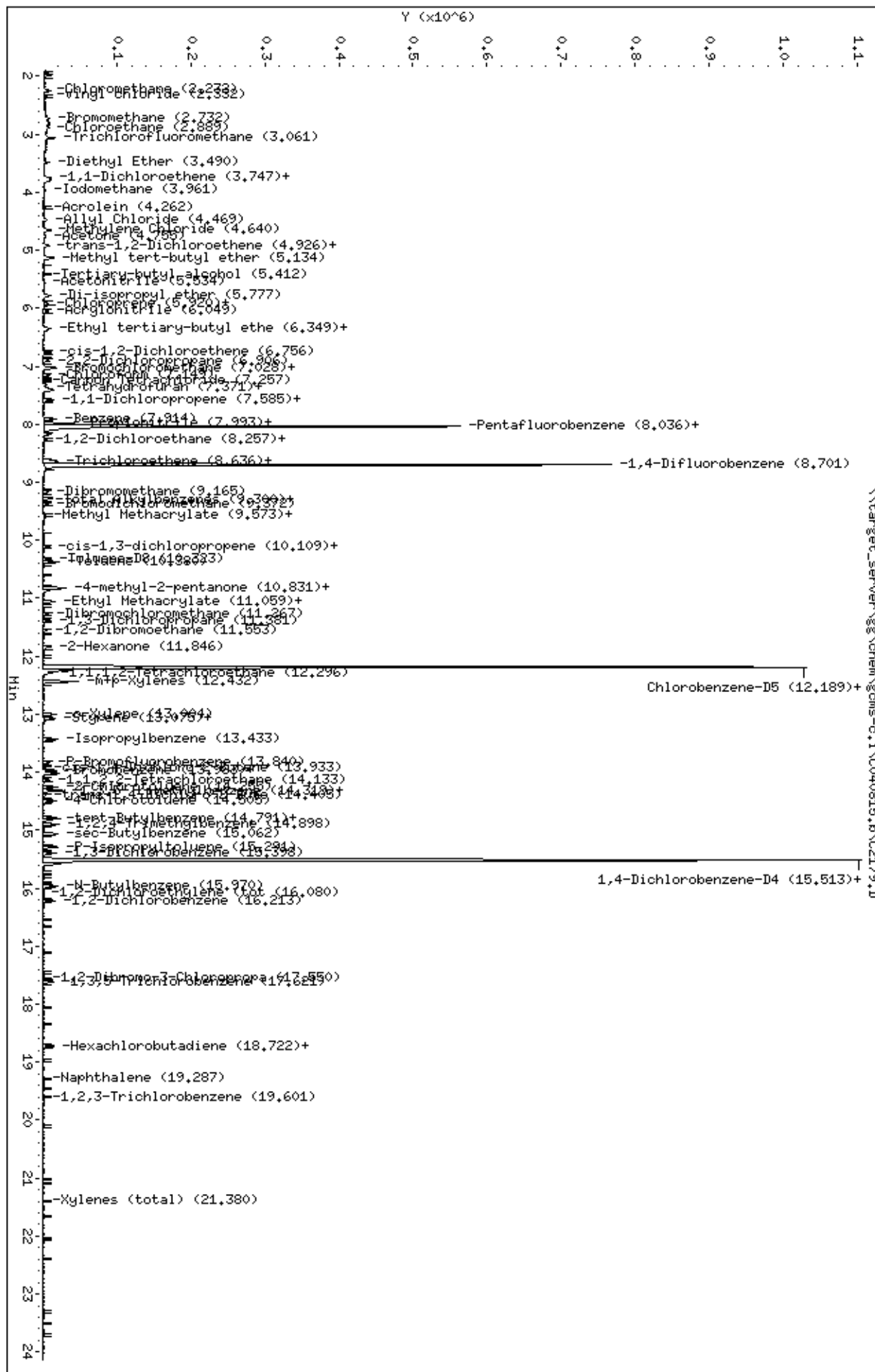
- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

REC

4:29 pm, Apr 22, 2015

Data File: \\target_server\gs\chem\gms-c.i\CD040815.b\CD2179.D
 Date : 08-APR-2015 13:02
 Client ID: Initial Calibration
 Sample Info: M0160924-1
 Purge Volume: 5.0
 Column phase: RTX-VHS

Instrument: gms-c.i
 Operator: EHE
 Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-c.i\C040815.b\C2180.D
Report Date: 10-Apr-2015 09:24

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C040815.b\C2180.D
Lab Smp Id: WG160924-6 Client Smp ID: Initial Calibration
Inj Date : 08-APR-2015 13:34 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG160924-6
Misc Info :
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C040815.b\C826A36.m
Meth Date : 08-Apr-2015 14:42 rcrocker Quant Type: ISTD
Cal Date : 08-APR-2015 13:34 Cal File: C2180.D
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 Dichlorodifluoromethane	85	1.986	1.986 (0.247)		1109855		200.000	183	
2 Chloromethane	50	2.229	2.229 (0.277)		1329409		200.000	167	
3 Vinyl chloride	62	2.329	2.322 (0.290)		1075033		200.000	186	
4 Bromomethane	94	2.729	2.730 (0.339)		573047		200.000	181	
5 Chloroethane	64	2.879	2.880 (0.358)		432041		200.000	148	
6 Trichlorofluoromethane	101	3.051	3.051 (0.379)		1319834		200.000	184	
7 Diethyl Ether	59	3.494	3.487 (0.435)		730548		200.000	182	
8 Tertiary-butyl alcohol	59	5.352	5.353 (0.666)		417241		1000.00	919	
9 1,1-Dichloroethene	96	3.751	3.745 (0.467)		796611		200.000	194	
10 Carbon Disulfide	76	3.780	3.780 (0.470)		2341608		200.000	200(A)	
11 Freon-113	151	3.808	3.809 (0.474)		542875		200.000	193	
12 Iodomethane	142	3.951	3.952 (0.491)		893653		200.000	200	
13 Acrolein	56	4.273	4.267 (0.531)		634882		1000.00	1040(A)	
14 Methylene Chloride	84	4.652	4.645 (0.579)		942019		200.000	200	
15 Acetone	43	4.752	4.753 (0.591)		1472001		1000.00	1010(A)	
16 Isobutyl Alcohol	43	8.254	8.255 (1.027)		677576		4000.00	4190(A)	
17 trans-1,2-Dichloroethene	96	4.916	4.917 (0.612)		885987		200.000	192	
18 Allyl Chloride	41	4.473	4.474 (0.556)		782593		200.000	180	
19 Methyl tert-butyl ether	73	5.131	5.124 (0.638)		3973746		400.000	393	
20 Acetonitrile	39	5.545	5.546 (0.690)		228678		2000.00	2010(A)	
21 Di-isopropyl ether	45	5.781	5.782 (0.719)		2586781		200.000	202(A)	
22 Chloroprene	53	5.910	5.911 (0.735)		1386373		200.000	206(A)	
23 Propionitrile	54	7.976	7.962 (0.992)		1281536		2000.00	1830	
24 Methacrylonitrile	41	7.997	7.984 (0.995)		3975030		2000.00	1560	

						AMOUNTS		
		QUANT	SIG			CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/l)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.946	5.946	(0.740)	1735605	200.000	195	
26 Acrylonitrile	52	6.046	6.039	(0.752)	1539388	1000.00	985	
27 Ethyl tertiary-butyl ether	59	6.346	6.347	(0.789)	2434002	200.000	211(A)	
28 Vinyl Acetate	43	6.367	6.368	(0.732)	1978734	200.000	199	
29 cis-1,2-Dichloroethene	96	6.761	6.761	(0.841)	928097	200.000	195	
31 Methyl Methacrylate	41	9.563	9.563	(1.099)	695006	200.000	231(A)	
32 2,2-Dichloropropane	77	6.903	6.904	(0.859)	1551417	200.000	210(A)	
33 Bromochloromethane	128	7.039	7.033	(0.876)	361091	200.000	189	
34 Chloroform	83	7.154	7.154	(0.890)	1757960	200.000	189	
35 Carbon Tetrachloride	117	7.318	7.312	(0.841)	1231753	200.000	224(A)	
36 Tetrahydrofuran	42	7.361	7.362	(0.916)	1274683	1000.00	1020(A)	
\$ 37 Dibromofluoromethane	113	7.404	7.405	(0.921)	674677	200.000	195	
38 1,1,1-Trichloroethane	97	7.418	7.412	(0.923)	1673970	200.000	190	
39 1,1-Dichloropropene	75	7.583	7.583	(0.872)	1306913	200.000	198	
40 2-Butanone	43	7.583	7.583	(0.943)	1932105	1000.00	1050(A)	
41 Benzene	78	7.911	7.905	(0.910)	3022508	200.000	182	
* 42 Pentafluorobenzene	168	8.040	8.041	(1.000)	346006	50.0000		
43 Cyclohexane	56	7.018	7.019	(0.873)	1544062	200.000	205(A)	
44 Ethyl Methacrylate	69	11.056	11.057	(1.271)	958099	200.000	200	
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090	(1.006)	849763	200.000	180	
46 Tertiary-amyl methyl ether	73	8.083	8.076	(1.005)	1892612	200.000	215(A)	
47 1,2-Dichloroethane	62	8.176	8.177	(0.940)	1411357	200.000	175	
48 Trichloroethene	95	8.648	8.648	(0.994)	926614	200.000	181	
* 49 1,4-Difluorobenzene	114	8.698	8.698	(1.000)	590032	50.0000		
50 Dibromomethane	93	9.162	9.163	(1.053)	548724	200.000	200	
51 1,2-Dichloropropane	63	9.284	9.284	(1.067)	841835	200.000	194	
52 Bromodichloromethane	83	9.370	9.370	(1.077)	1338031	200.000	206(A)	
53 cis-1,3-dichloropropene	75	10.106	10.106	(1.162)	1502474	200.000	218(A)	
54 1,4-Dioxane	88	9.613	9.606	(1.105)	126170	4000.00	1800	
\$ 55 Toluene-D8	98	10.320	10.321	(1.187)	2019864	200.000	187	
56 2-Chloroethylvinylether	63	10.049	10.049	(1.155)	18124	200.000	97.3	
57 Toluene	92	10.377	10.378	(1.193)	2029762	200.000	189	
58 4-methyl-2-pentanone	43	10.828	10.828	(1.245)	3217015	1000.00	849	
59 Tetrachloroethene	164	10.821	10.821	(0.887)	664641	200.000	185	
60 trans-1,3-Dichloropropene	75	10.871	10.871	(1.250)	1392388	200.000	214(A)	
61 1,1,2-Trichloroethane	83	11.056	11.057	(1.271)	638886	200.000	193	
62 Dibromochloromethane	129	11.271	11.264	(0.924)	973085	200.000	230(A)	
63 1,3-Dichloropropane	76	11.385	11.379	(0.934)	1397265	200.000	196	
64 1,2-Dibromoethane	107	11.550	11.550	(1.328)	849089	200.000	198	
65 2-Hexanone	43	11.836	11.836	(0.971)	2625955	1000.00	1010(A)	
* 66 Chlorobenzene-D5	117	12.193	12.187	(1.000)	558593	50.0000		
67 Chlorobenzene	112	12.214	12.208	(1.002)	2137941	200.000	186	
152 1-Chlorohexane	91	12.186	12.179	(0.999)	1327396	200.000	203(A)	
68 Ethylbenzene	106	12.250	12.244	(1.005)	1304366	200.000	202(A)	
69 1,1,1,2-Tetrachloroethane	131	12.300	12.294	(1.009)	918420	200.000	216(A)	
71 m+p-Xylenes	106	12.436	12.437	(1.020)	2881567	400.000	382	
72 o-Xylene	106	13.008	13.001	(1.067)	1451352	200.000	215(A)	
73 Styrene	104	13.079	13.080	(1.073)	2495996	200.000	206(A)	
74 Bromoform	173	13.115	13.116	(1.076)	623540	200.000	238(A)	
75 Isopropylbenzene	105	13.437	13.437	(0.866)	3725588	200.000	182	
\$ 76 P-Bromofluorobenzene	95	13.837	13.838	(1.591)	1130230	200.000	201(A)	
77 cis-1,4-Dichloro-2-Butene	53	13.937	13.938	(0.898)	454844	200.000	200(A)	
78 trans-1,4-Dichloro-2-Butene	53	14.402	14.395	(0.928)	362239	200.000	200	
79 Bromobenzene	156	13.987	13.981	(0.901)	964461	200.000	194	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT		ON-COL
							(ug/l)		(ug/l)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
80 N-Propylbenzene	91	14.030	14.024	(0.904)	4353832	200.000	174		
81 1,1,2,2-Tetrachloroethane	83	14.137	14.131	(0.911)	1091281	200.000	190		
82 1,3,5-Trimethylbenzene	105	14.323	14.317	(0.923)	3413517	200.000	175		
83 2-Chlorotoluene	91	14.259	14.252	(0.919)	2928995	200.000	178		
84 1,2,3-Trichloropropane	75	14.330	14.331	(0.924)	929698	200.000	180		
85 4-Chlorotoluene	91	14.502	14.502	(0.935)	2972215	200.000	178		
86 tert-Butylbenzene	119	14.795	14.788	(0.953)	3257076	200.000	192		
87 Pentachloroethane	117	14.823	14.824	(0.955)	747774	200.000	216(A)		
88 1,2,4-Trimethylbenzene	105	14.902	14.903	(0.960)	3438952	200.000	181		
89 P-Isopropyltoluene	119	15.295	15.296	(0.986)	3431984	200.000	185		
90 1,3-Dichlorobenzene	146	15.402	15.396	(0.993)	1674882	200.000	185		
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	347312	50.0000			
92 1,4-Dichlorobenzene	146	15.545	15.539	(1.002)	1780870	200.000	180		
93 N-Butylbenzene	91	15.967	15.968	(1.029)	3642654	200.000	184		
94 sec-Butylbenzene	105	15.067	15.067	(0.971)	4024264	200.000	176		
95 1,2-Dichlorobenzene	146	16.217	16.218	(1.045)	1553136	200.000	190		
96 1,2-Dibromo-3-Chloropropane	75	17.568	17.562	(1.132)	239826	200.000	200(A)		
97 1,3,5-Trichlorobenzene	180	17.625	17.619	(1.136)	1214070	200.000	199		
98 Hexachlorobutadiene	225	18.726	18.720	(1.207)	592498	200.000	200		
99 1,2,4-Trichlorobenzene	180	18.762	18.763	(1.209)	971578	200.000	200		
100 1,2,3-Trimethylbenzene	105	15.588	15.582	(1.005)	3138352	200.000	174		
101 Naphthalene	128	19.348	19.349	(1.247)	2041182	200.000	200(A)		
102 1,2,3-Trichlorobenzene	180	19.684	19.685	(1.269)	629222	200.000	200(A)		
103 Methyl Acetate	43	4.974	4.967	(0.619)	766108	200.000	223(A)		
104 Methylcyclohexane	83	8.626	8.627	(1.073)	1530842	200.000	208(A)		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

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Date : 08-APR-2015 13:34

Client ID: Initial Calibration

Sample Info: M0160924-6

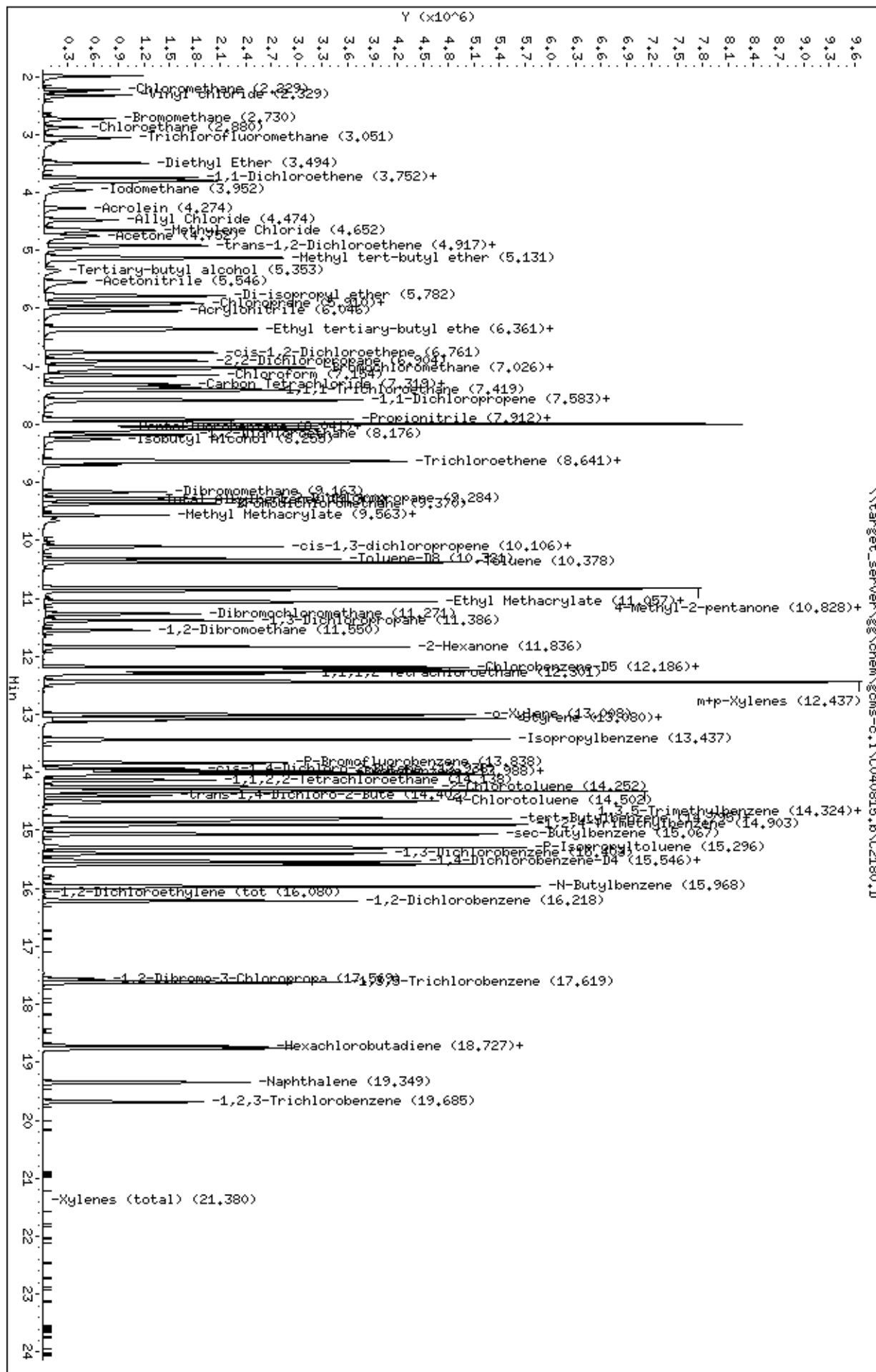
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Column phase: RTX-VHS

Instrument: gms-c.i

Operator: EHE

Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-c.i\C040815.b\C2181.D
Report Date: 10-Apr-2015 09:24

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C040815.b\C2181.D
Lab Smp Id: WG160924-5 Client Smp ID: Initial Calibration
Inj Date : 08-APR-2015 14:06 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG160924-5
Misc Info :
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Meth Date : 08-Apr-2015 14:42 rcrocker Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 Dichlorodifluoromethane	85	1.989	1.986 (0.247)		606325		100.000	96.1	
2 Chloromethane	50	2.232	2.229 (0.278)		790259		100.000	95.6	
3 Vinyl chloride	62	2.325	2.322 (0.289)		614367		100.000	101	
4 Bromomethane	94	2.725	2.730 (0.339)		308622		100.000	102	
5 Chloroethane	64	2.882	2.880 (0.358)		227436		100.000	97.7	
6 Trichlorofluoromethane	101	3.054	3.051 (0.380)		633154		100.000	86.2	
7 Diethyl Ether	59	3.490	3.487 (0.434)		386539		100.000	93.2	
8 Tertiary-butyl alcohol	59	5.348	5.353 (0.665)		273266		500.000	560	
9 1,1-Dichloroethene	96	3.747	3.745 (0.466)		414434		100.000	97.0	
10 Carbon Disulfide	76	3.783	3.780 (0.470)		1272587		100.000	105	
11 Freon-113	151	3.811	3.809 (0.474)		284989		100.000	97.1	
12 Iodomethane	142	3.954	3.952 (0.492)		482227		100.000	99.6	
13 Acrolein	56	4.269	4.267 (0.531)		338660		500.000	525	
14 Methylene Chloride	84	4.648	4.645 (0.578)		501477		100.000	101	
15 Acetone	43	4.748	4.753 (0.590)		798621		500.000	518	
16 Isobutyl Alcohol	43	8.250	8.255 (1.026)		426302		2000.00	2410	
17 trans-1,2-Dichloroethene	96	4.912	4.917 (0.611)		479270		100.000	99.4	
18 Allyl Chloride	41	4.469	4.474 (0.556)		471997		100.000	103	
19 Methyl tert-butyl ether	73	5.127	5.124 (0.637)		2240164		200.000	209	
20 Acetonitrile	39	5.548	5.546 (0.690)		129283		1000.00	1070	
21 Di-isopropyl ether	45	5.784	5.782 (0.719)		1412038		100.000	104	
22 Chloroprene	53	5.906	5.911 (0.734)		726941		100.000	102	
23 Propionitrile	54	7.972	7.962 (0.991)		700830		1000.00	961	
24 Methacrylonitrile	41	7.993	7.984 (0.994)		2334204		1000.00	890	

Compounds	QUANT SIG					AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.949	5.946 (0.740)		940966	100.000	100	
26 Acrylonitrile	52	6.042	6.039 (0.751)		805625	500.000	493	
27 Ethyl tertiary-butyl ether	59	6.349	6.347 (0.789)		1312308	100.000	107	
28 Vinyl Acetate	43	6.370	6.368 (0.732)		1053589	100.000	101	
29 cis-1,2-Dichloroethene	96	6.756	6.761 (0.840)		494860	100.000	99.4	
31 Methyl Methacrylate	41	9.566	9.563 (1.099)		362113	100.000	99.9	
32 2,2-Dichloropropane	77	6.906	6.904 (0.859)		808537	100.000	104	
33 Bromochloromethane	128	7.035	7.033 (0.875)		193296	100.000	97.0	
34 Chloroform	83	7.157	7.154 (0.890)		949792	100.000	97.7	
35 Carbon Tetrachloride	117	7.314	7.312 (0.841)		628712	100.000	108	
36 Tetrahydrofuran	42	7.357	7.362 (0.915)		685158	500.000	520	
\$ 37 Dibromofluoromethane	113	7.400	7.405 (0.920)		366962	100.000	101	
38 1,1,1-Trichloroethane	97	7.414	7.412 (0.922)		886378	100.000	96.4	
39 1,1-Dichloropropene	75	7.578	7.583 (0.871)		693938	100.000	101	
40 2-Butanone	43	7.578	7.583 (0.942)		1060379	500.000	513	
41 Benzene	78	7.907	7.905 (0.909)		1717579	100.000	99.2	
* 42 Pentafluorobenzene	168	8.043	8.041 (1.000)		363005	50.0000		
43 Cyclohexane	56	7.021	7.019 (0.873)		822810	100.000	104	
44 Ethyl Methacrylate	69	11.059	11.057 (1.271)		497029	100.000	106	
\$ 45 1,2-Dichloroethane-D4	65	8.093	8.090 (1.006)		453509	100.000	93.1	
46 Tertiary-amyl methyl ether	73	8.079	8.076 (1.004)		1010242	100.000	108	
47 1,2-Dichloroethane	62	8.179	8.177 (0.940)		743312	100.000	90.4	
48 Trichloroethene	95	8.651	8.648 (0.994)		495835	100.000	94.1	
* 49 1,4-Difluorobenzene	114	8.701	8.698 (1.000)		614202	50.0000		
50 Dibromomethane	93	9.165	9.163 (1.053)		291490	100.000	95.0	
51 1,2-Dichloropropane	63	9.280	9.284 (1.067)		460390	100.000	101	
52 Bromodichloromethane	83	9.365	9.370 (1.076)		723437	100.000	106	
53 cis-1,3-dichloropropene	75	10.109	10.106 (1.162)		811000	100.000	111	
54 1,4-Dioxane	88	9.608	9.606 (1.104)		131159	2000.00	3000	
\$ 55 Toluene-D8	98	10.316	10.321 (1.186)		1136901	100.000	101	
56 2-Chloroethylvinylether	63	10.044	10.049 (1.154)		11582	100.000	97.8	
57 Toluene	92	10.380	10.378 (1.193)		1126410	100.000	100	
58 4-methyl-2-pentanone	43	10.824	10.828 (1.244)		1903151	500.000	485	
59 Tetrachloroethene	164	10.816	10.821 (0.887)		359299	100.000	95.8	
60 trans-1,3-Dichloropropene	75	10.866	10.871 (1.249)		734058	100.000	107	
61 1,1,2-Trichloroethane	83	11.052	11.057 (1.270)		342776	100.000	99.5	
62 Dibromochloromethane	129	11.267	11.264 (0.924)		506126	100.000	99.5	
63 1,3-Dichloropropane	76	11.381	11.379 (0.934)		760675	100.000	101	
64 1,2-Dibromoethane	107	11.553	11.550 (1.328)		456702	100.000	102	
65 2-Hexanone	43	11.831	11.836 (0.971)		1486411	500.000	522	
* 66 Chlorobenzene-D5	117	12.189	12.187 (1.000)		587786	50.0000		
67 Chlorobenzene	112	12.210	12.208 (1.002)		1180717	100.000	98.2	
152 1-Chlorohexane	91	12.182	12.179 (0.999)		708128	100.000	102	
68 Ethylbenzene	106	12.246	12.244 (1.005)		692120	100.000	101	
69 1,1,1,2-Tetrachloroethane	131	12.296	12.294 (1.009)		490215	100.000	108	
71 m+p-Xylenes	106	12.432	12.437 (1.020)		1611338	200.000	203	
72 o-Xylene	106	13.004	13.001 (1.067)		800691	100.000	110	
73 Styrene	104	13.075	13.080 (1.073)		1402329	100.000	108	
74 Bromoform	173	13.111	13.116 (1.076)		321759	100.000	99.1	
75 Isopropylbenzene	105	13.433	13.437 (0.866)		2158760	100.000	99.5	
\$ 76 P-Bromofluorobenzene	95	13.833	13.838 (1.590)		625208	100.000	105	
77 cis-1,4-Dichloro-2-Butene	53	13.933	13.938 (0.898)		227481	100.000	95.6	
78 trans-1,4-Dichloro-2-Butene	53	14.398	14.395 (0.928)		185418	100.000	97.0	
79 Bromobenzene	156	13.983	13.981 (0.901)		532873	100.000	100	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT		ON-COL
							(ug/l)		(ug/l)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
80 N-Propylbenzene	91	14.026	14.024	(0.904)	2581964	100.000	97.5		
81 1,1,2,2-Tetrachloroethane	83	14.133	14.131	(0.911)	601697	100.000	99.0		
82 1,3,5-Trimethylbenzene	105	14.319	14.317	(0.923)	1999079	100.000	96.9		
83 2-Chlorotoluene	91	14.255	14.252	(0.918)	1688934	100.000	97.2		
84 1,2,3-Trichloropropane	75	14.333	14.331	(0.924)	509657	100.000	93.9		
85 4-Chlorotoluene	91	14.498	14.502	(0.934)	1713170	100.000	97.2		
86 tert-Butylbenzene	119	14.791	14.788	(0.953)	1830181	100.000	101		
87 Pentachloroethane	117	14.819	14.824	(0.955)	395668	100.000	99.4		
88 1,2,4-Trimethylbenzene	105	14.905	14.903	(0.960)	2008407	100.000	99.3		
89 P-Isopropyltoluene	119	15.291	15.296	(0.985)	1981112	100.000	100		
90 1,3-Dichlorobenzene	146	15.398	15.396	(0.992)	918209	100.000	96.0		
* 91 1,4-Dichlorobenzene-D4	152	15.520	15.518	(1.000)	369268	50.0000			
92 1,4-Dichlorobenzene	146	15.541	15.539	(1.001)	984195	100.000	94.6		
93 N-Butylbenzene	91	15.970	15.968	(1.029)	2108601	100.000	105		
94 sec-Butylbenzene	105	15.062	15.067	(0.971)	2327469	100.000	96.5		
95 1,2-Dichlorobenzene	146	16.213	16.218	(1.045)	843252	100.000	97.4		
96 1,2-Dibromo-3-Chloropropane	75	17.564	17.562	(1.132)	124589	100.000	99.0		
97 1,3,5-Trichlorobenzene	180	17.621	17.619	(1.135)	668233	100.000	102		
98 Hexachlorobutadiene	225	18.722	18.720	(1.206)	337044	100.000	105		
99 1,2,4-Trichlorobenzene	180	18.758	18.763	(1.209)	539676	100.000	104		
100 1,2,3-Trimethylbenzene	105	15.584	15.582	(1.004)	1793805	100.000	94.6		
101 Naphthalene	128	19.351	19.349	(1.247)	1120569	100.000	103		
102 1,2,3-Trichlorobenzene	180	19.680	19.685	(1.268)	351310	100.000	104		
103 Methyl Acetate	43	4.969	4.967	(0.618)	392569	100.000	107		
104 Methylcyclohexane	83	8.629	8.627	(1.073)	817675	100.000	105		

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Date : 08-APR-2015 14:06

Client ID: Initial Calibration

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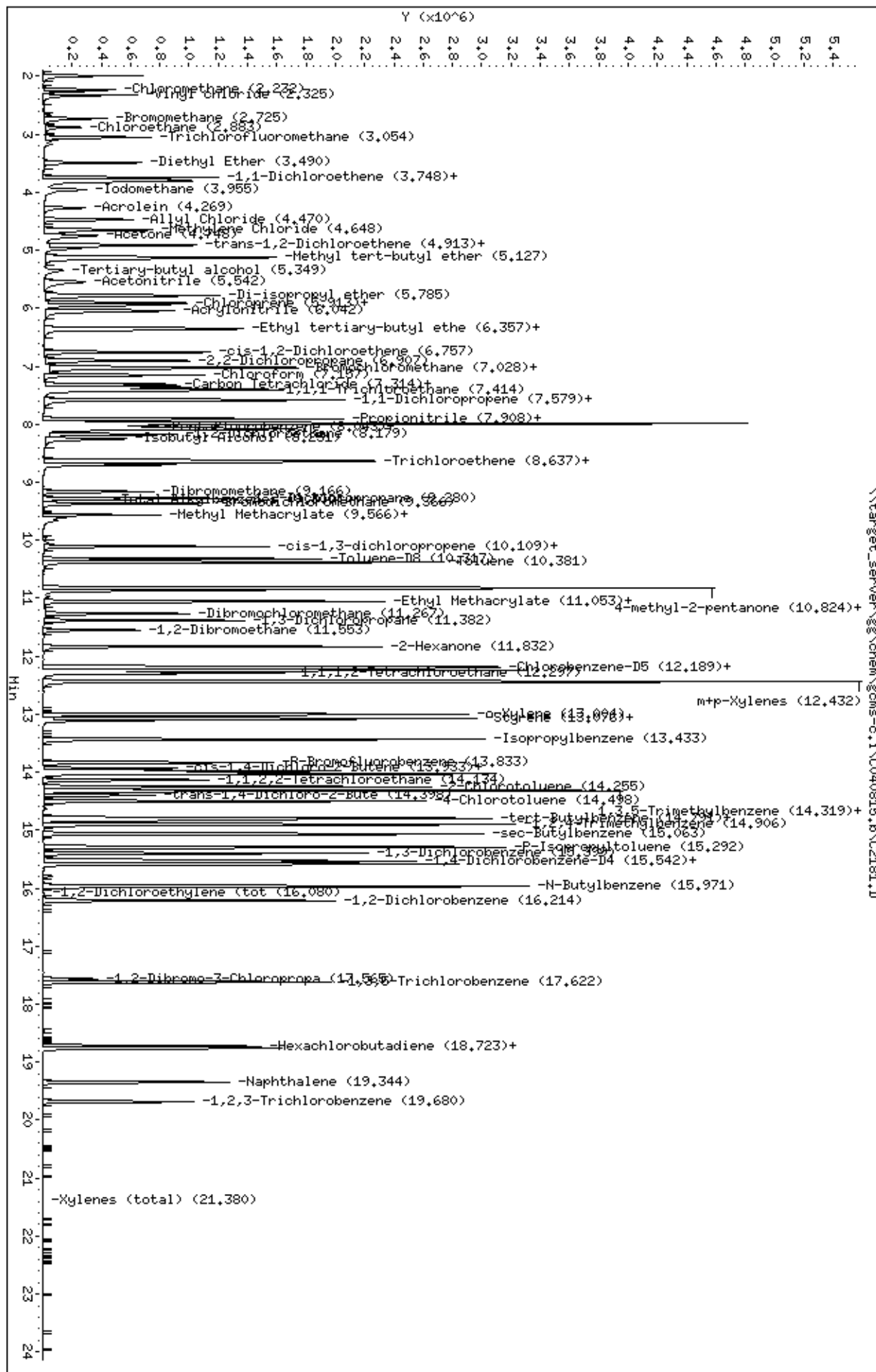
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Column phase: RTX-VHS

Instrument: goms-c.i

Operator: EHE

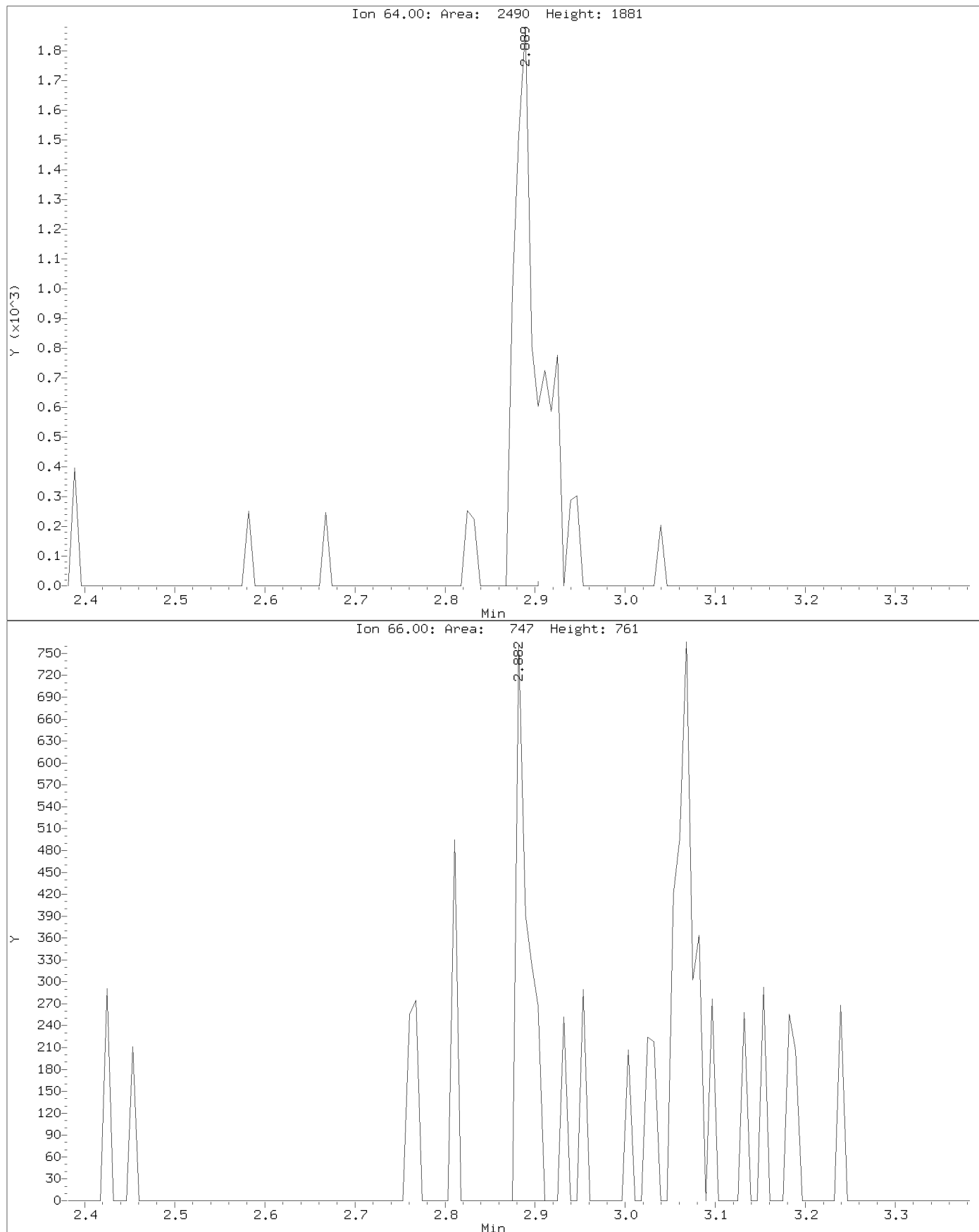
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Instrument: gcms-c.i
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BEFORE MANUAL INTEGRATION

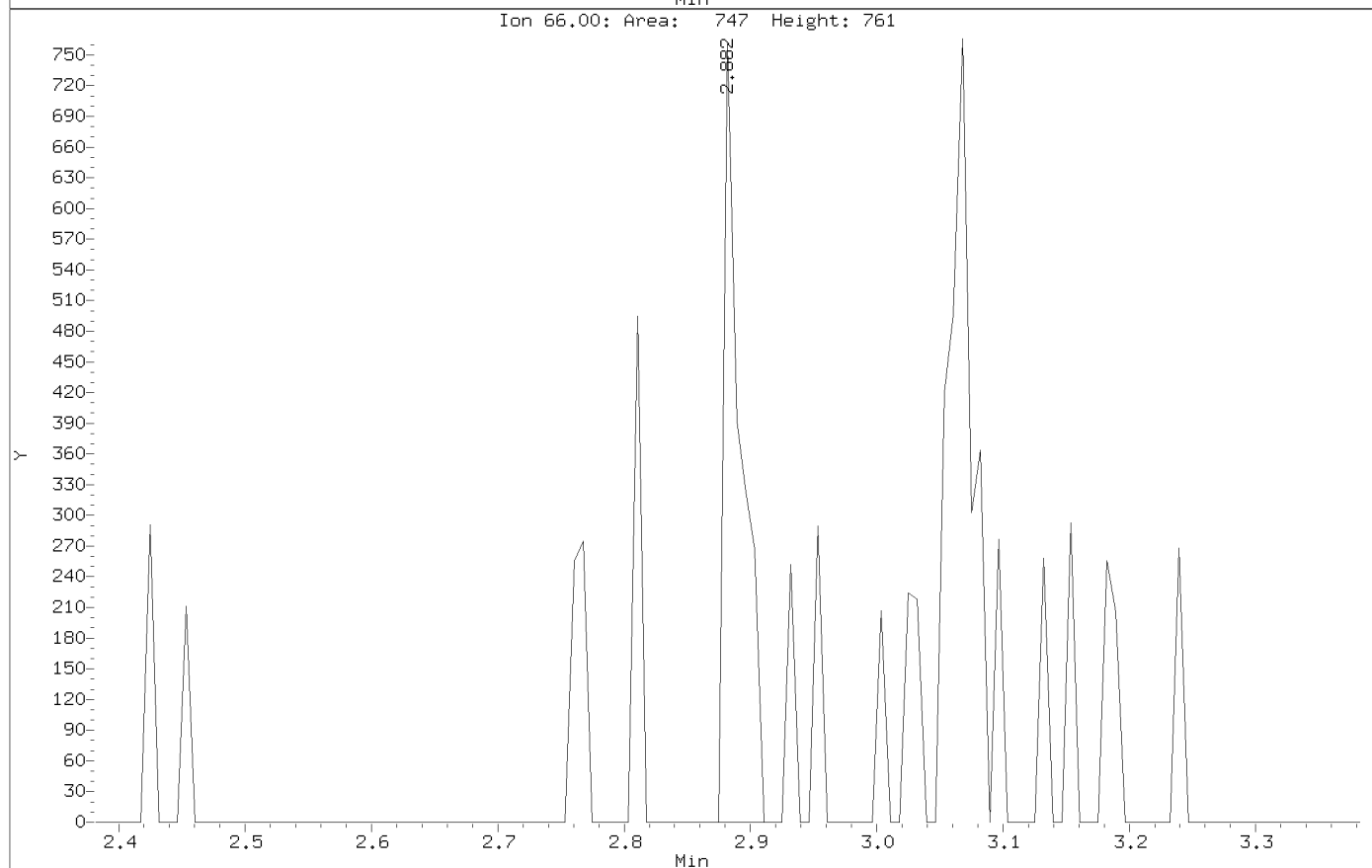
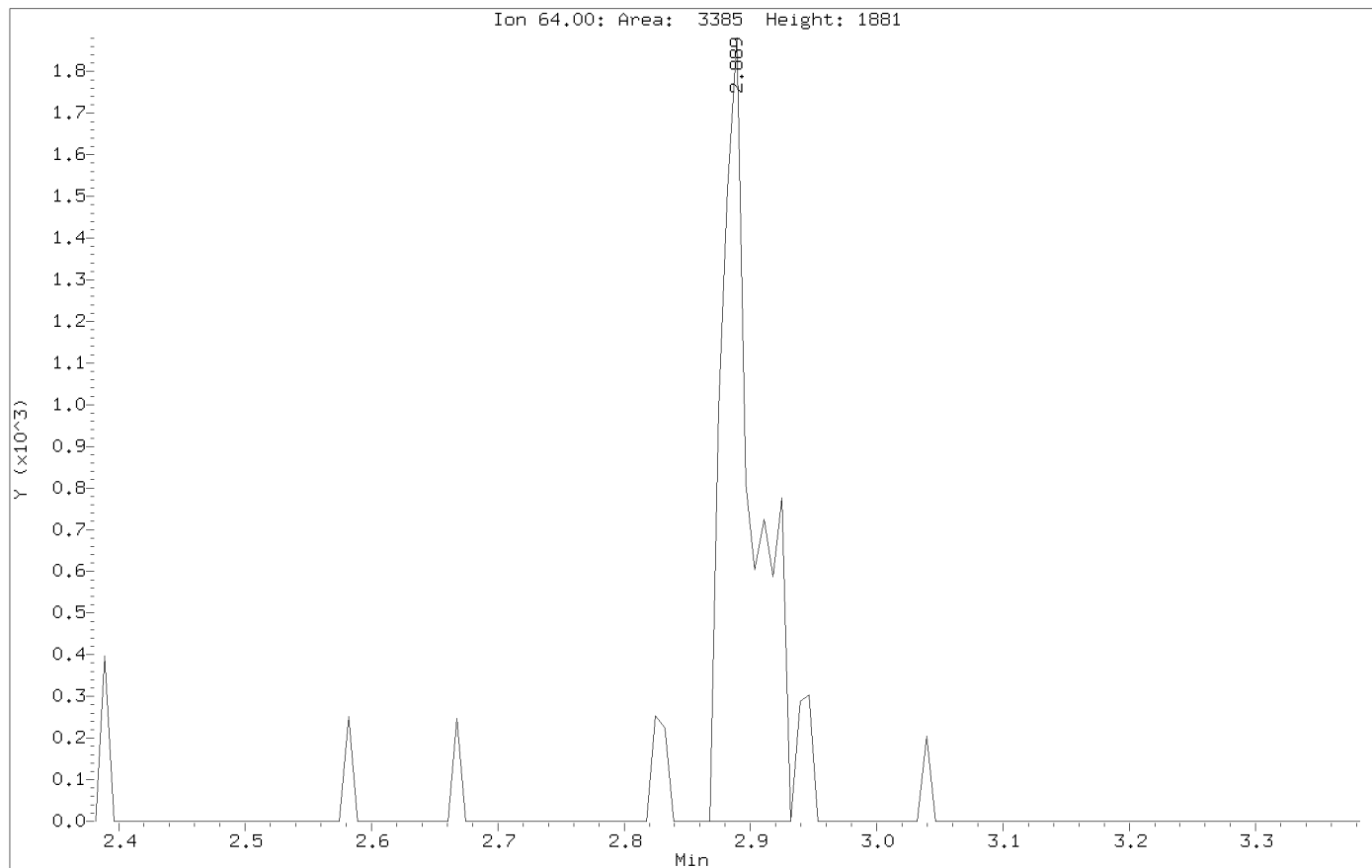
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CAS Number: 75-00-3



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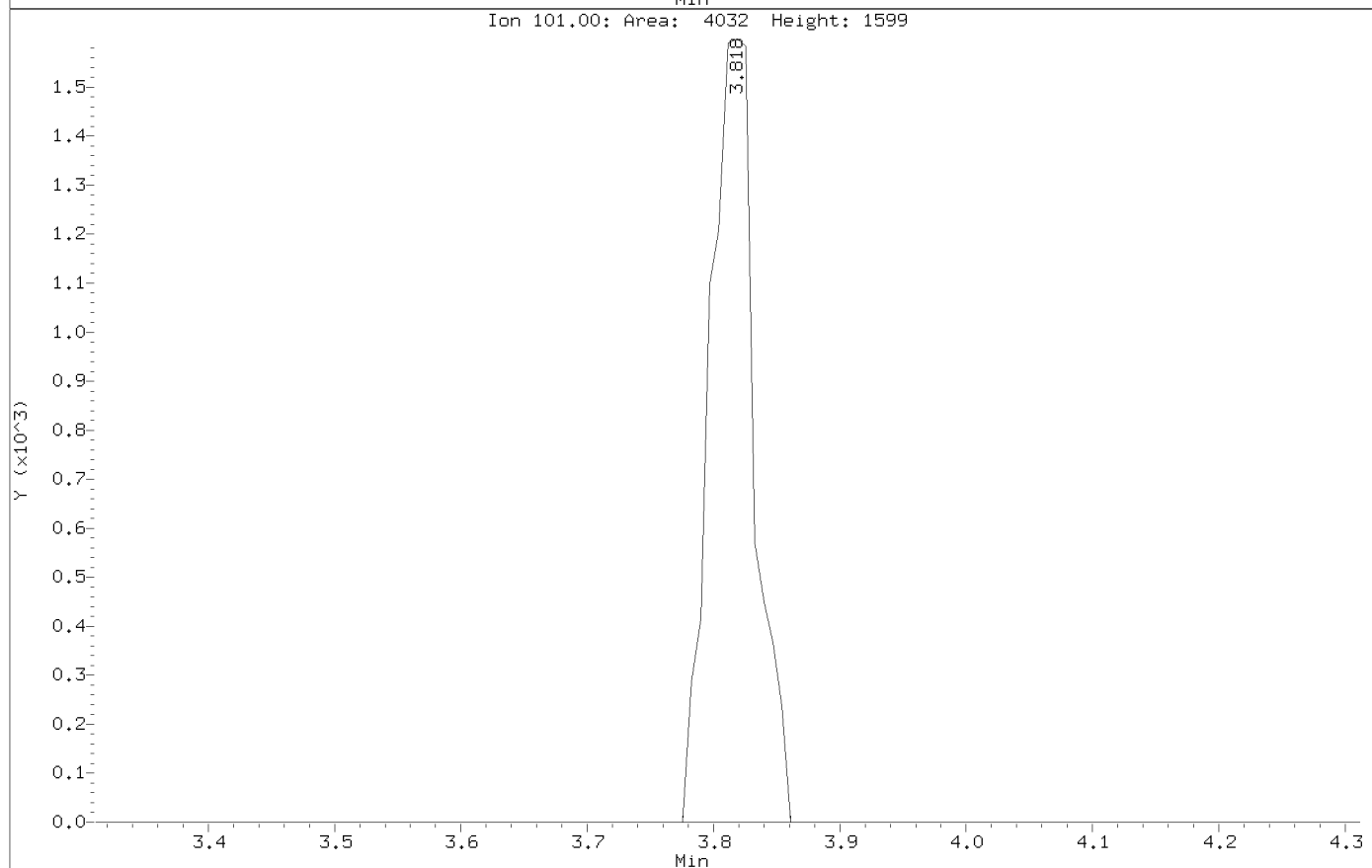
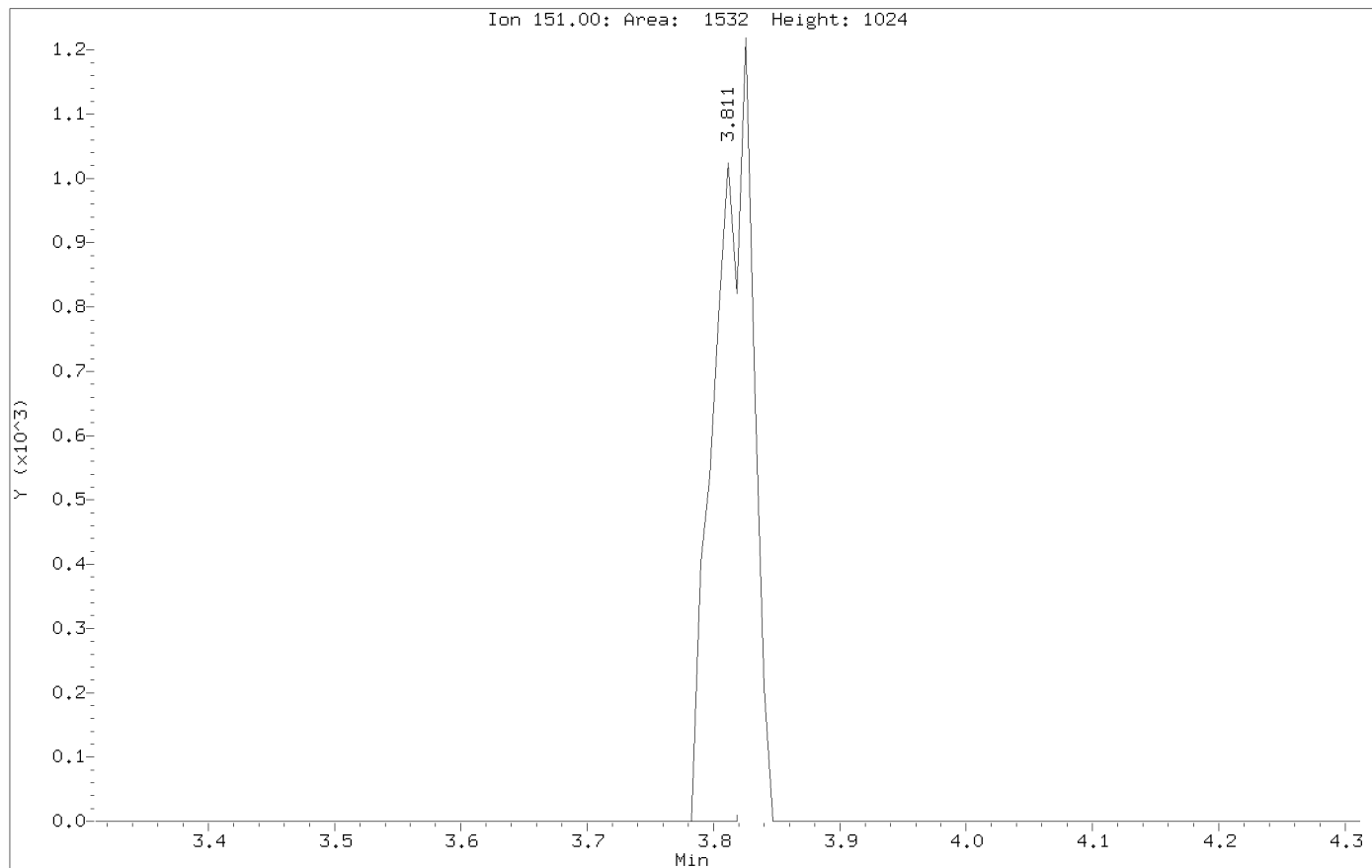
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CAS Number: 75-00-3



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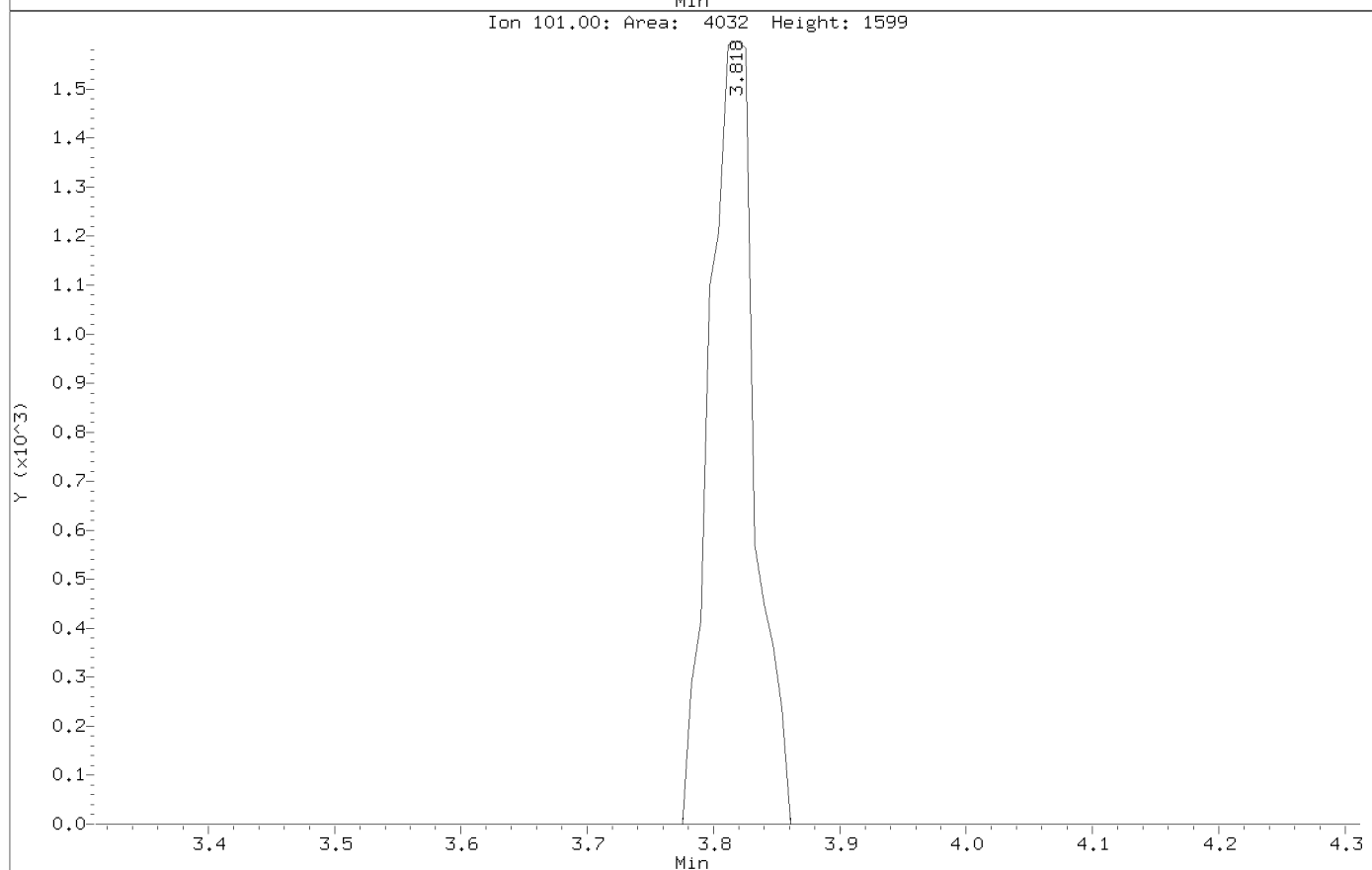
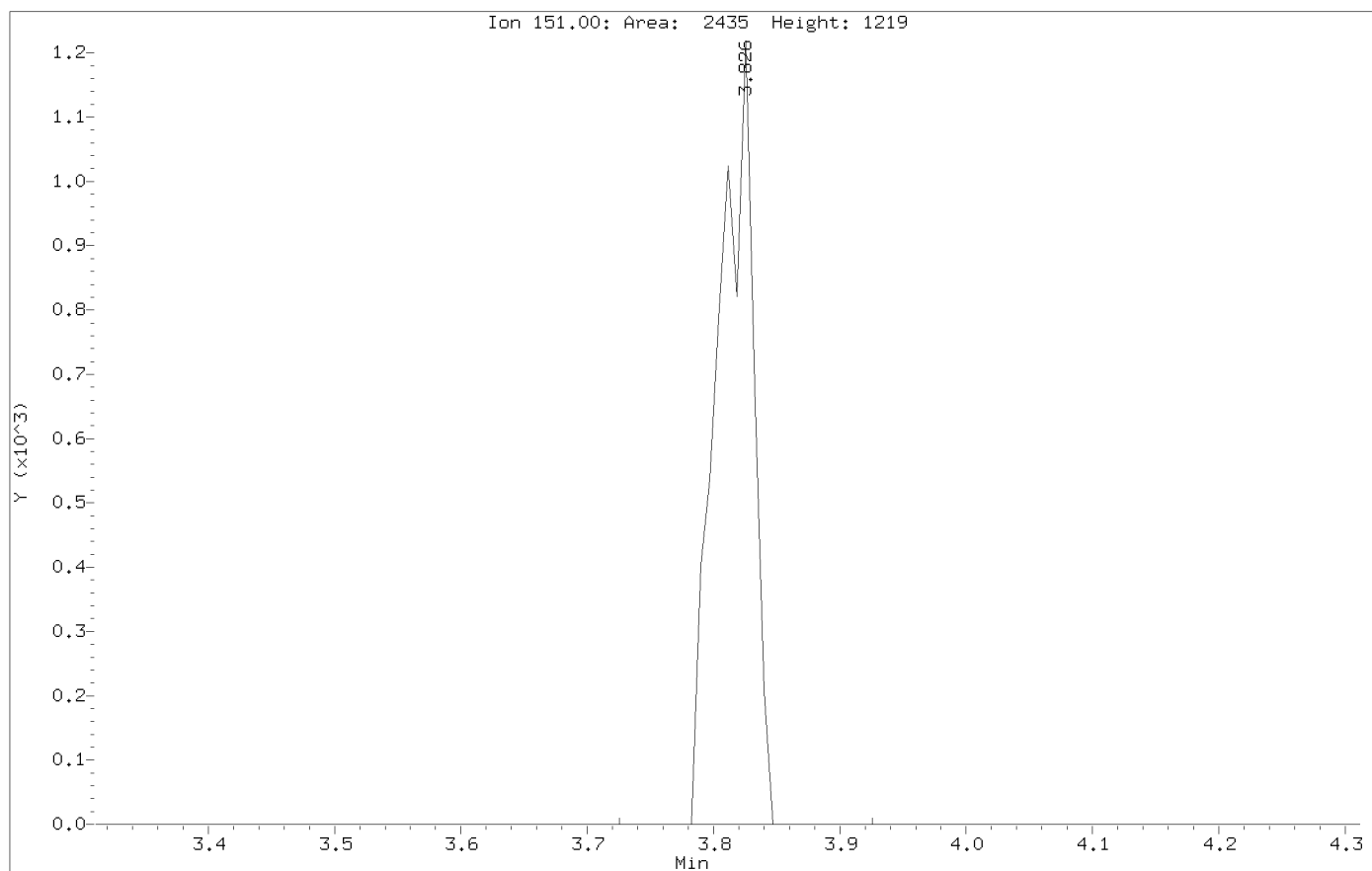
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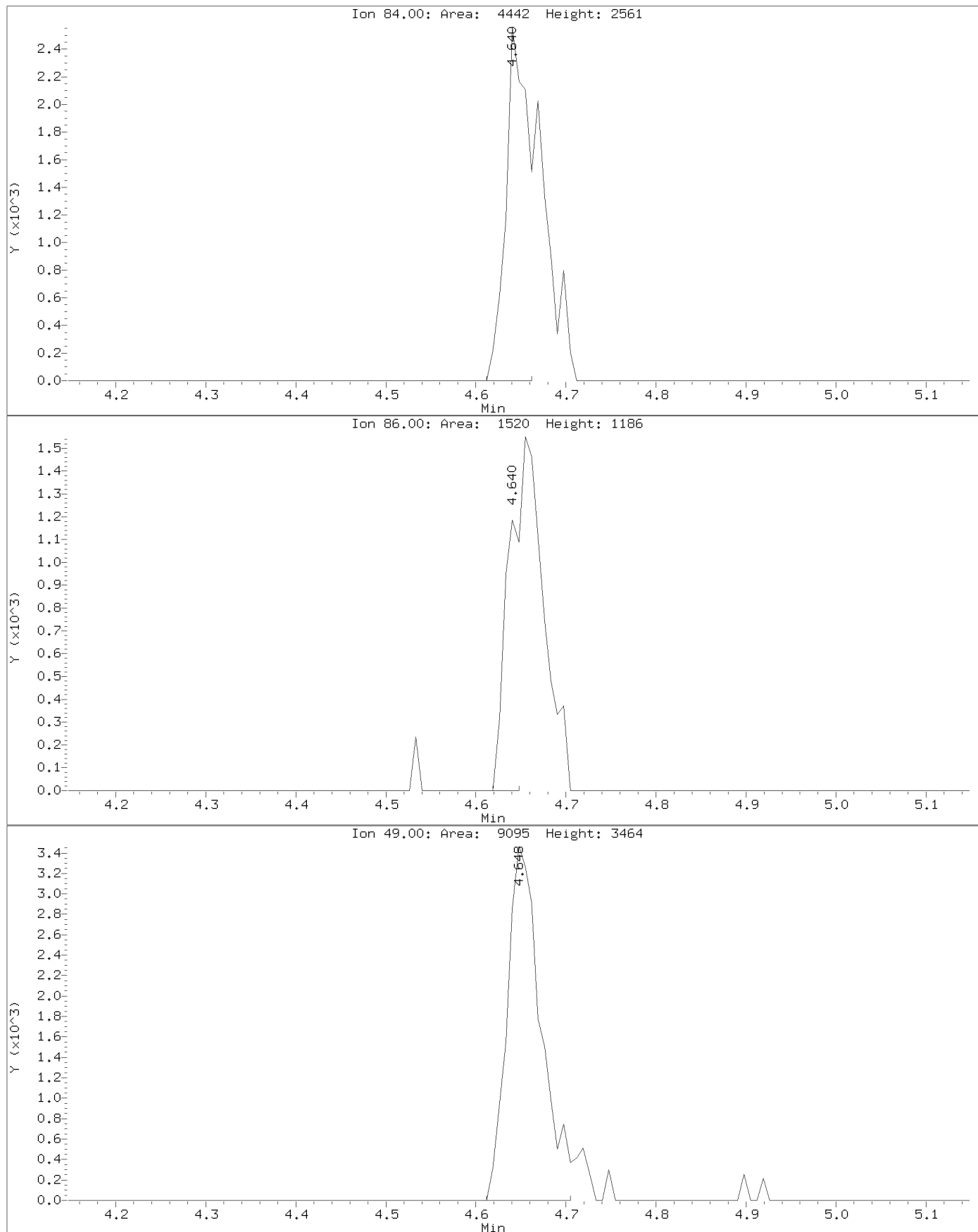
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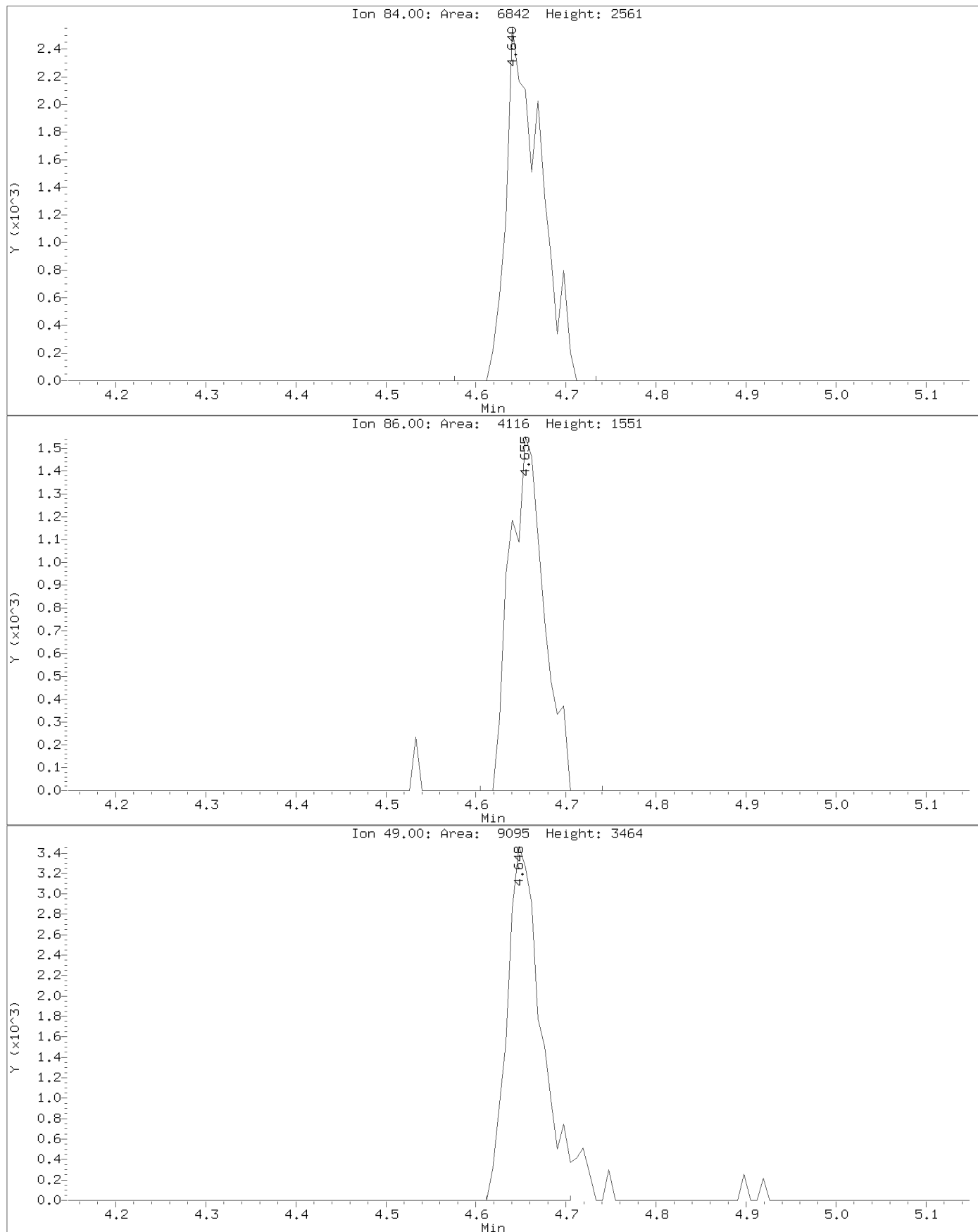
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CAS Number: 75-09-2



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Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

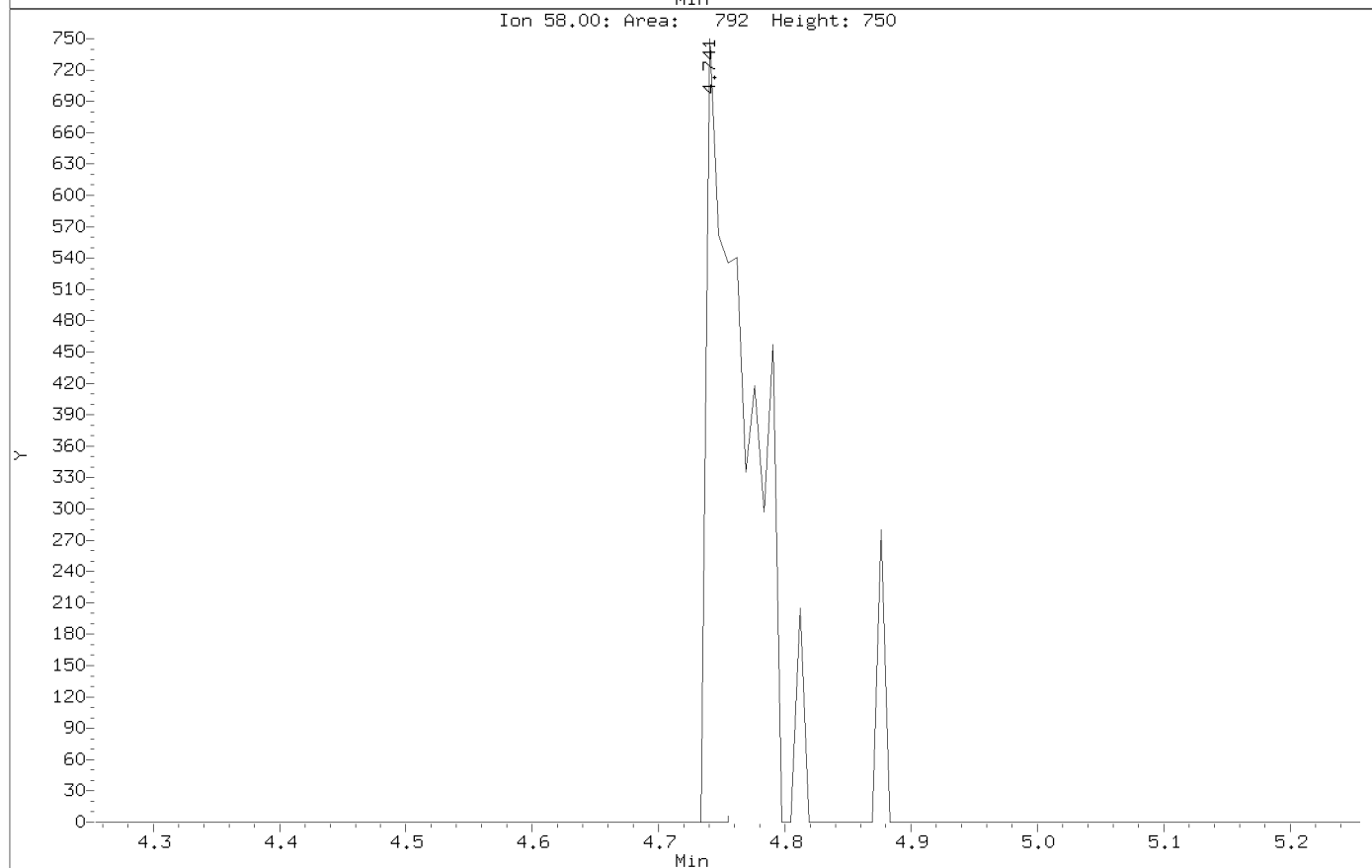
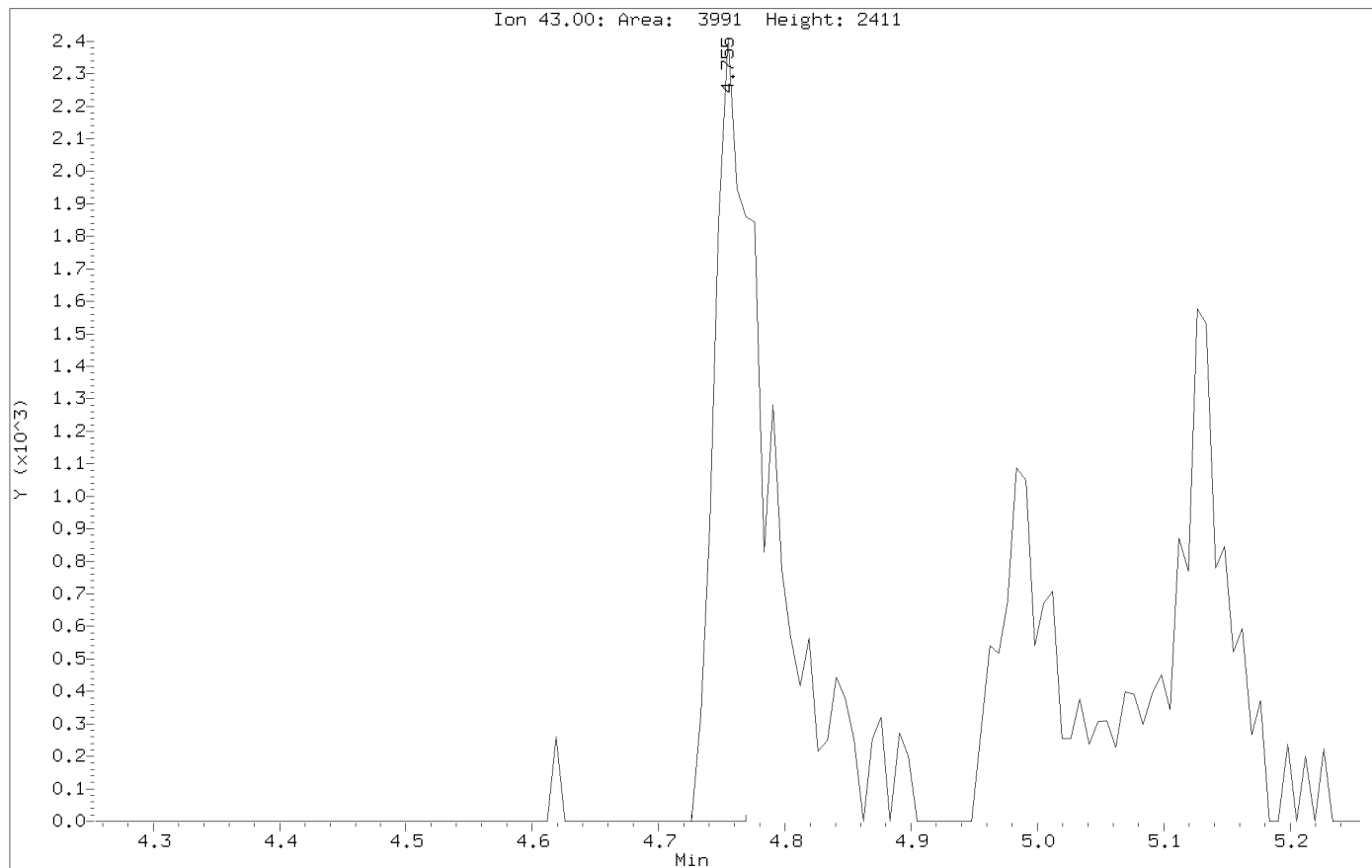
Compound: Methylene Chloride
CAS Number: 75-09-2



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

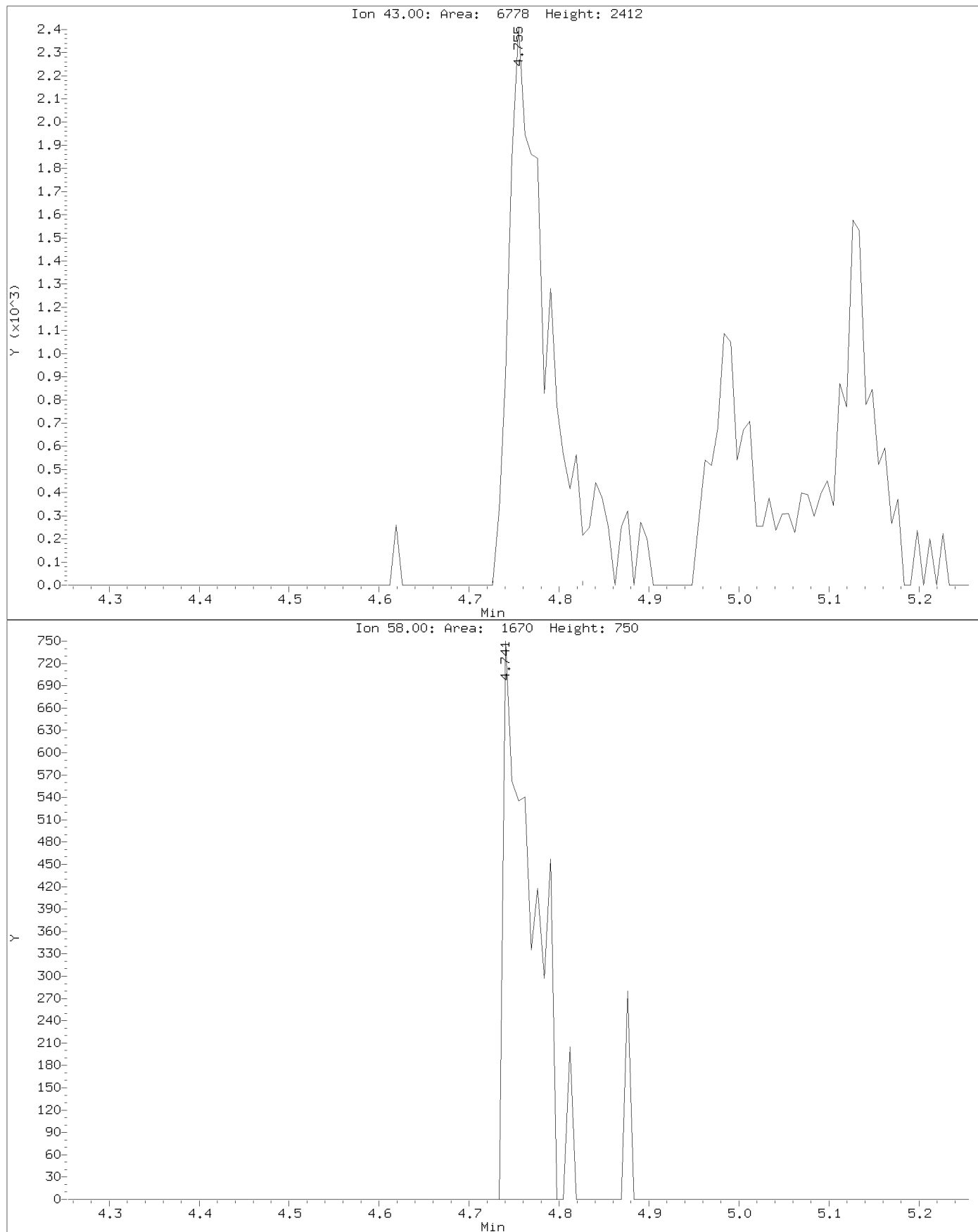
Compound: Acetone
CAS Number: 67-64-1



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Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

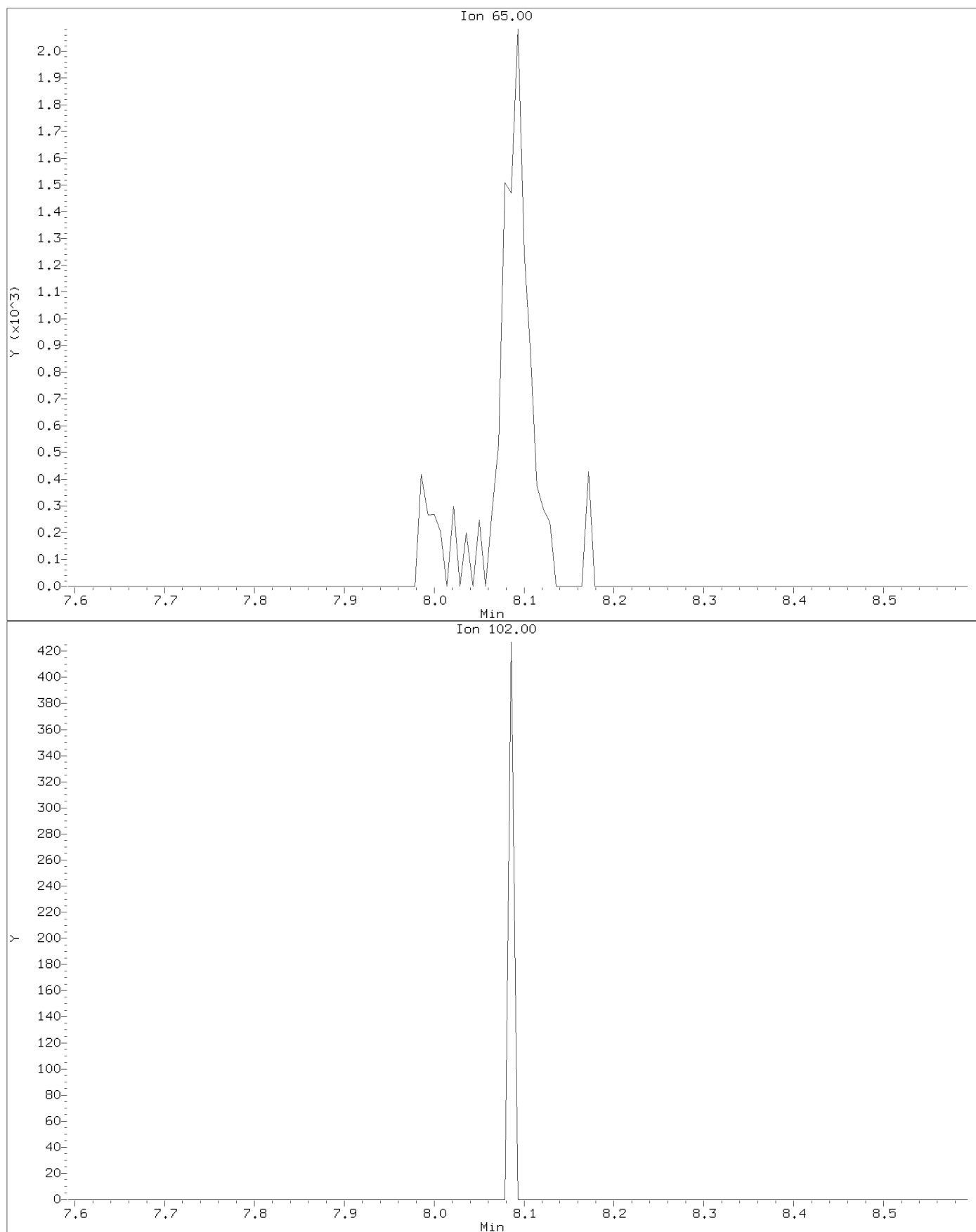
Compound: Acetone
CAS Number: 67-64-1



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Injection Date: 08-APR-2015 13:02
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BEFORE MANUAL INTEGRATION

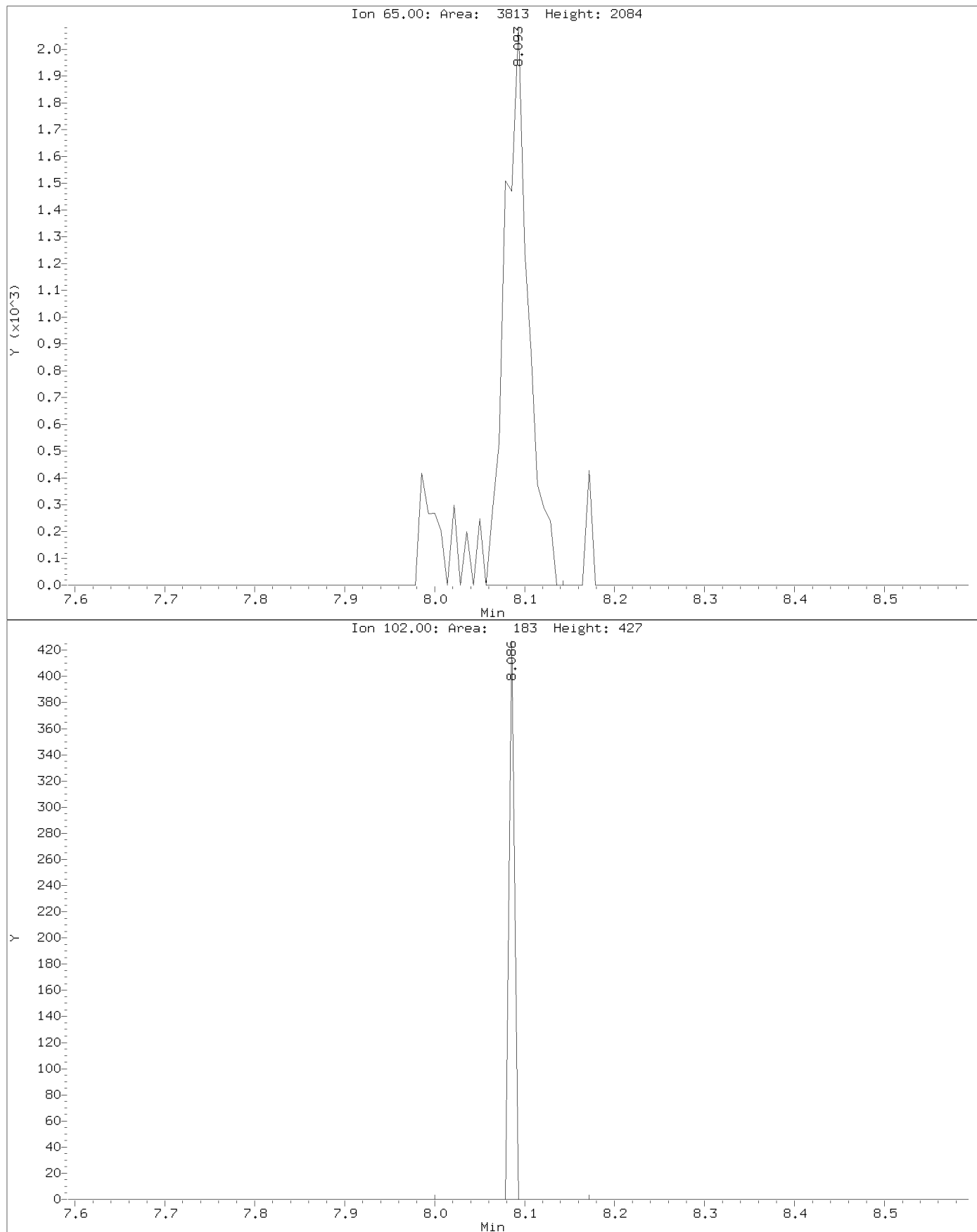
Compound: 1,2-Dichloroethane-D4
CAS Number: 17060-07-0



Data File: \\target_server\gg\chem\gcms-c.i\C040815.b\C2179.D
Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

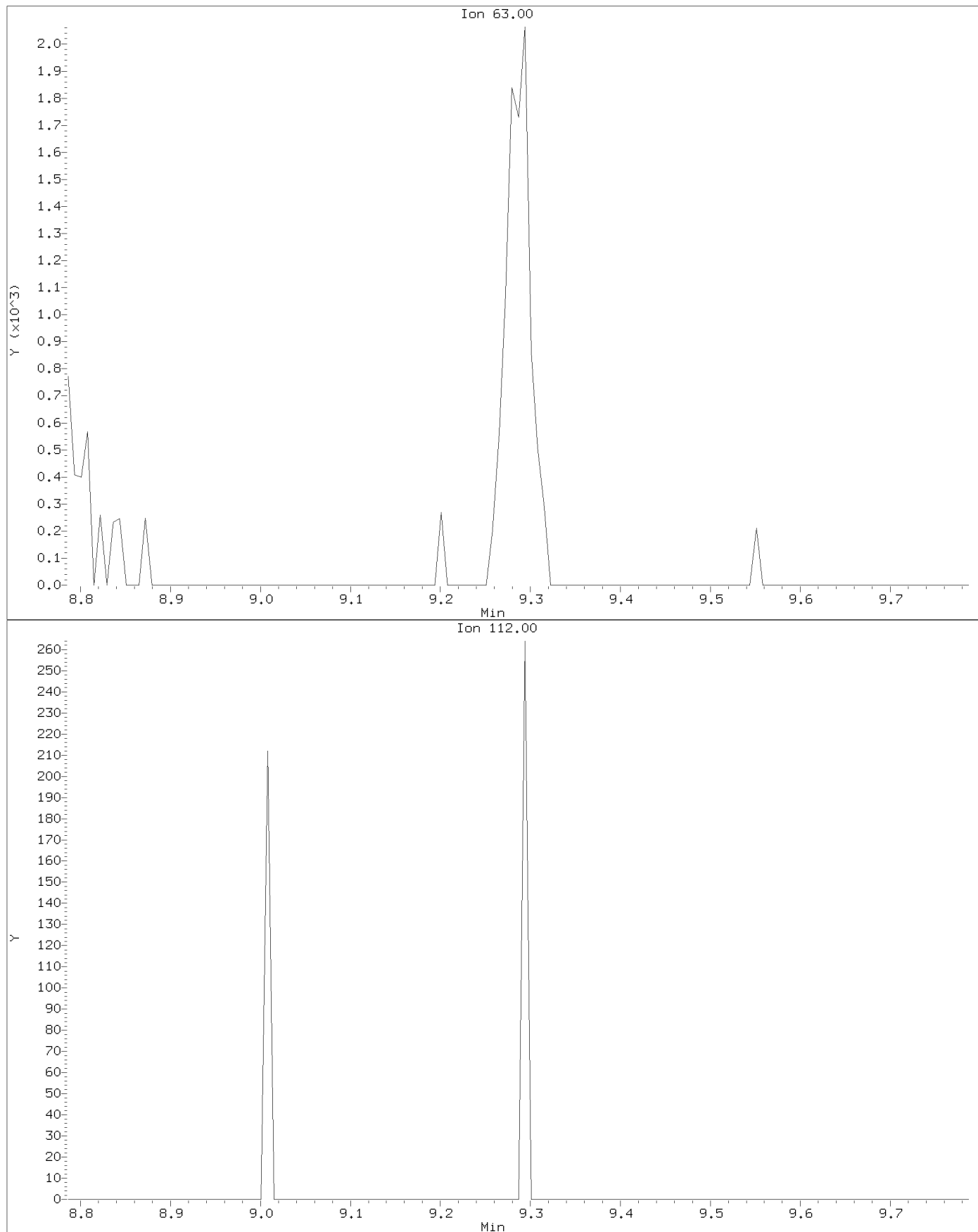
Compound: 1,2-Dichloroethane-D4
CAS Number: 17060-07-0



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Instrument: gcms-c.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

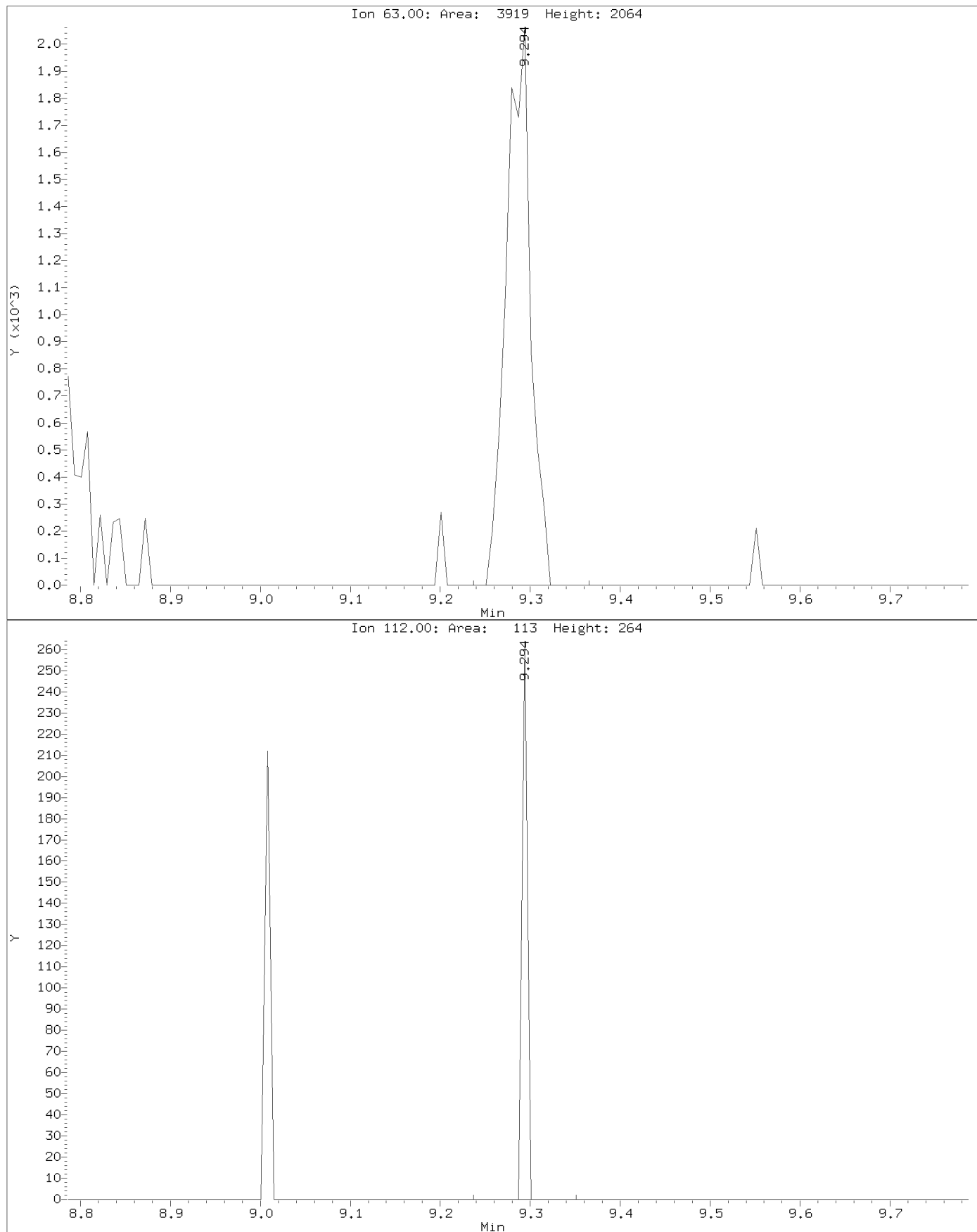
Compound: 1,2-Dichloropropane
CAS Number: 78-87-5



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Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

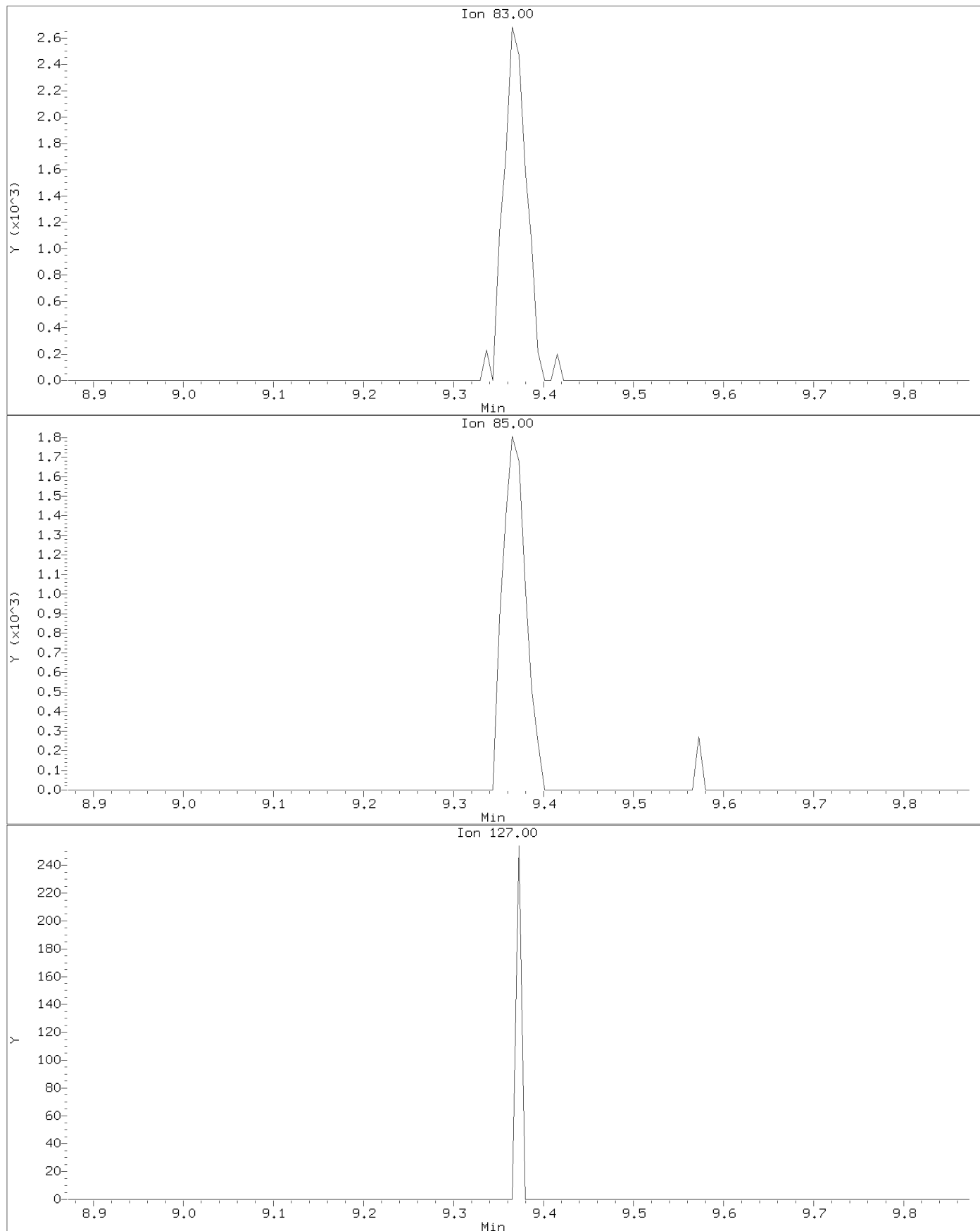
Compound: 1,2-Dichloropropane
CAS Number: 78-87-5



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Injection Date: 08-APR-2015 13:02
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Client Sample ID:

BEFORE MANUAL INTEGRATION

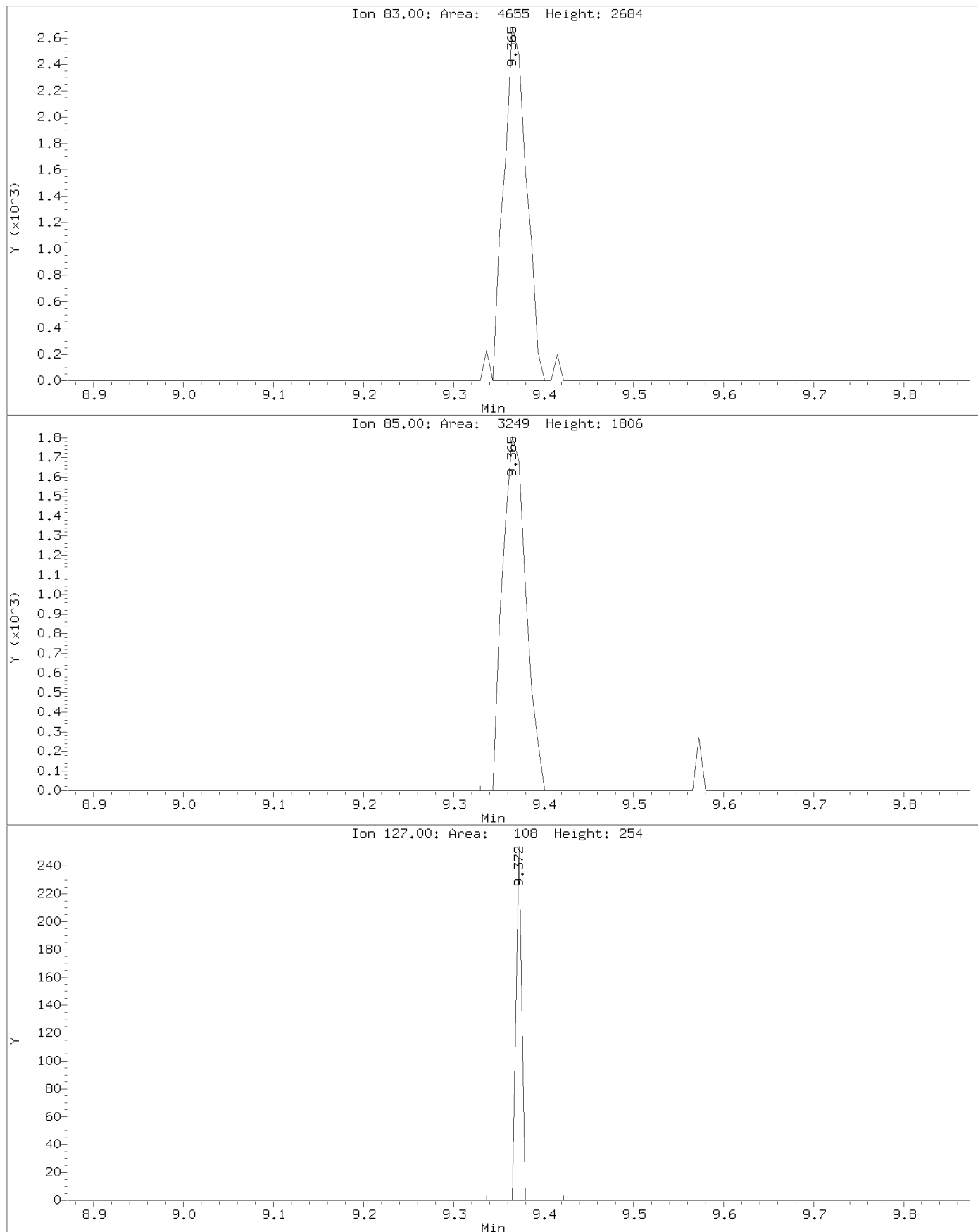
Compound: Bromodichloromethane
CAS Number: 75-27-4



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

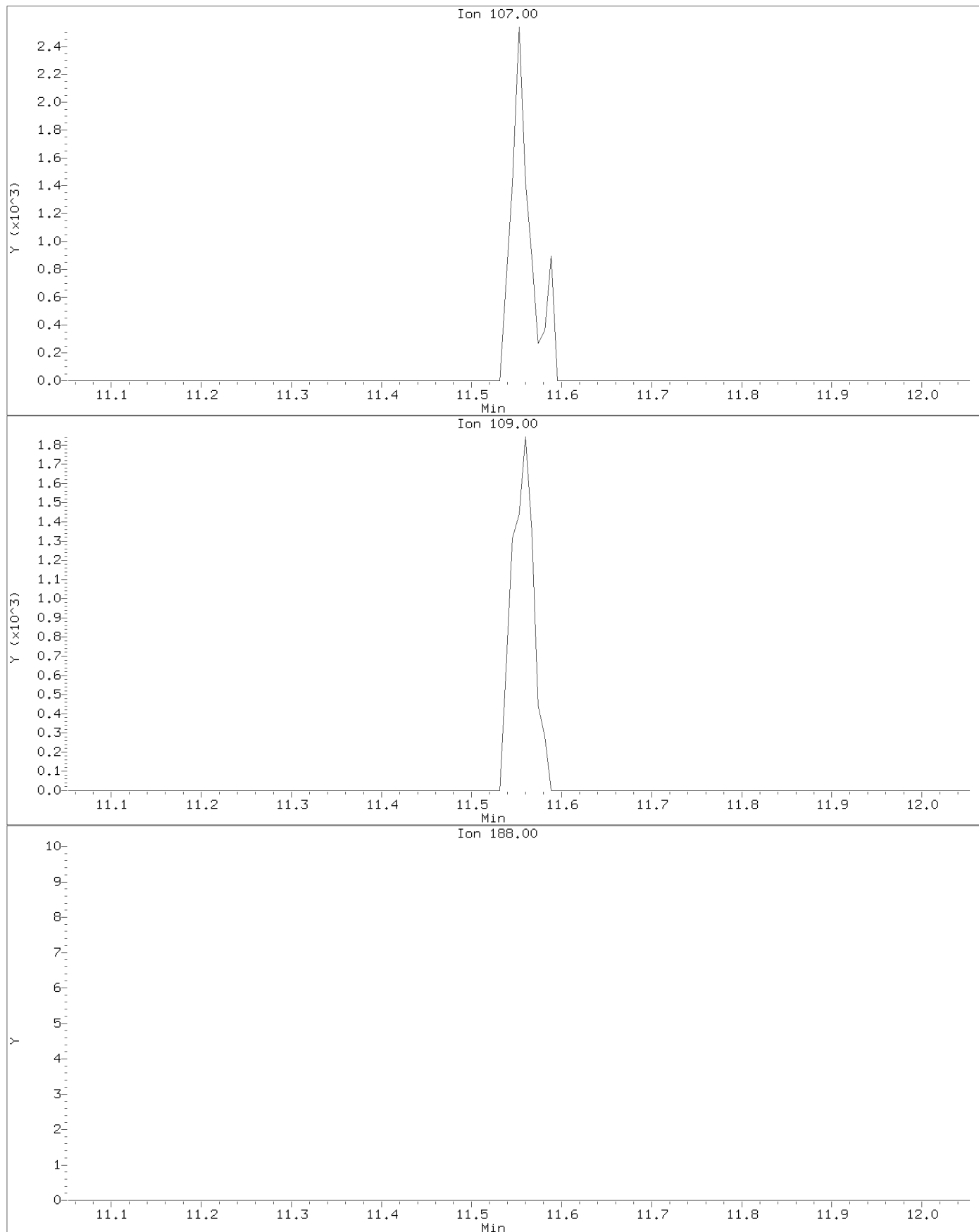
Compound: Bromodichloromethane
CAS Number: 75-27-4



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BEFORE MANUAL INTEGRATION

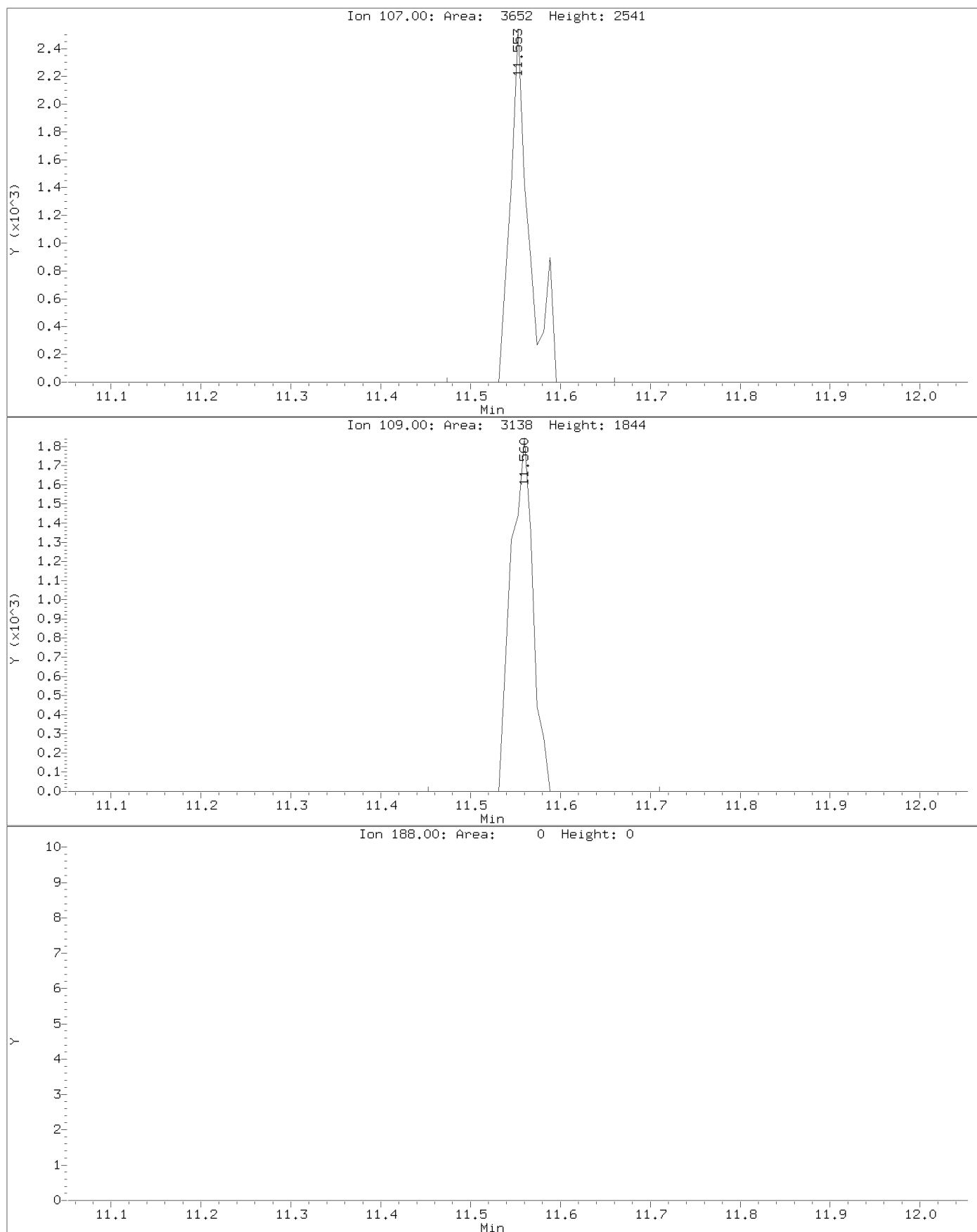
Compound: 1,2-Dibromoethane
CAS Number: 106-93-4



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
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Client Sample ID:

AFTER MANUAL INTEGRATION

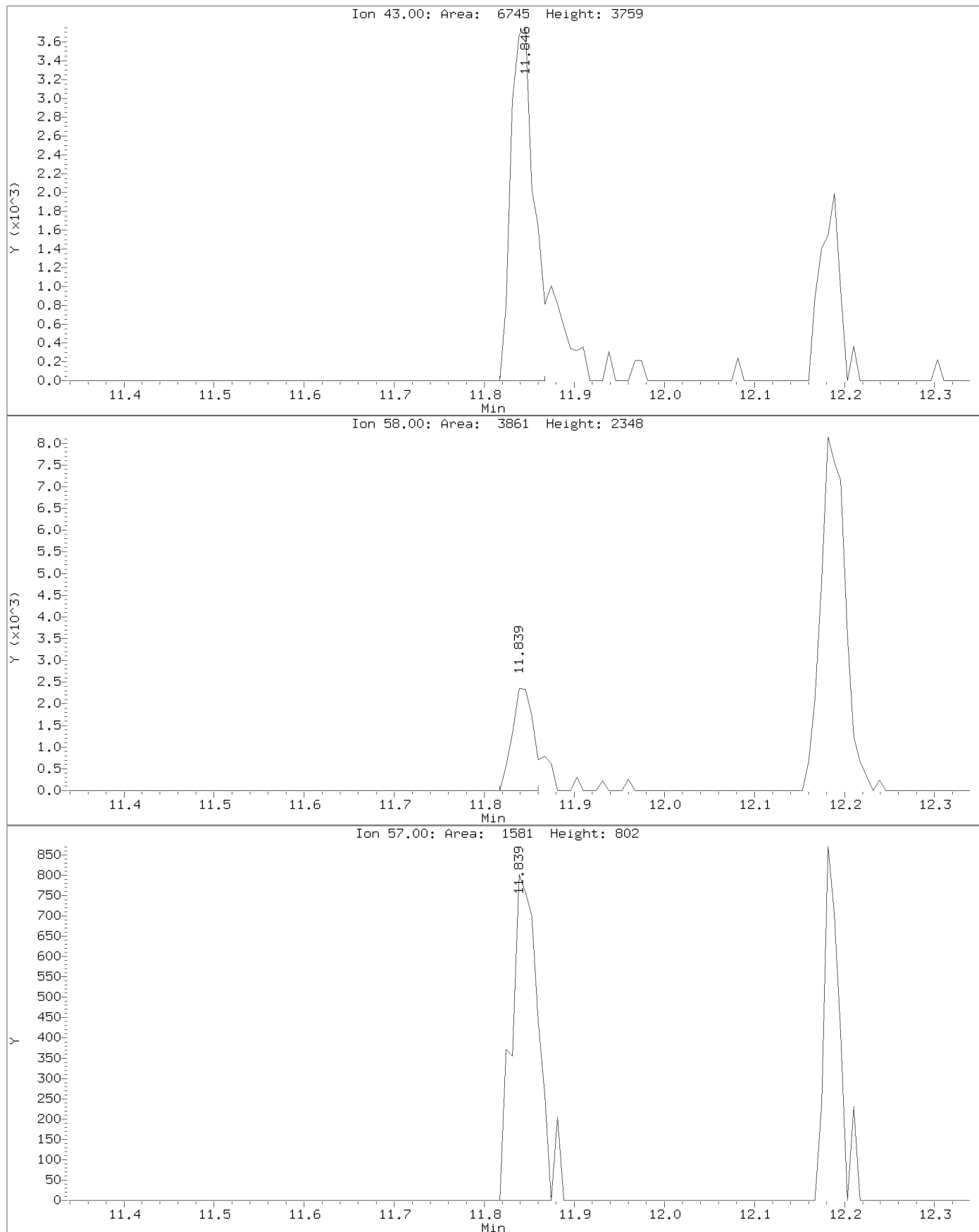
Compound: 1,2-Dibromoethane
CAS Number: 106-93-4



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Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

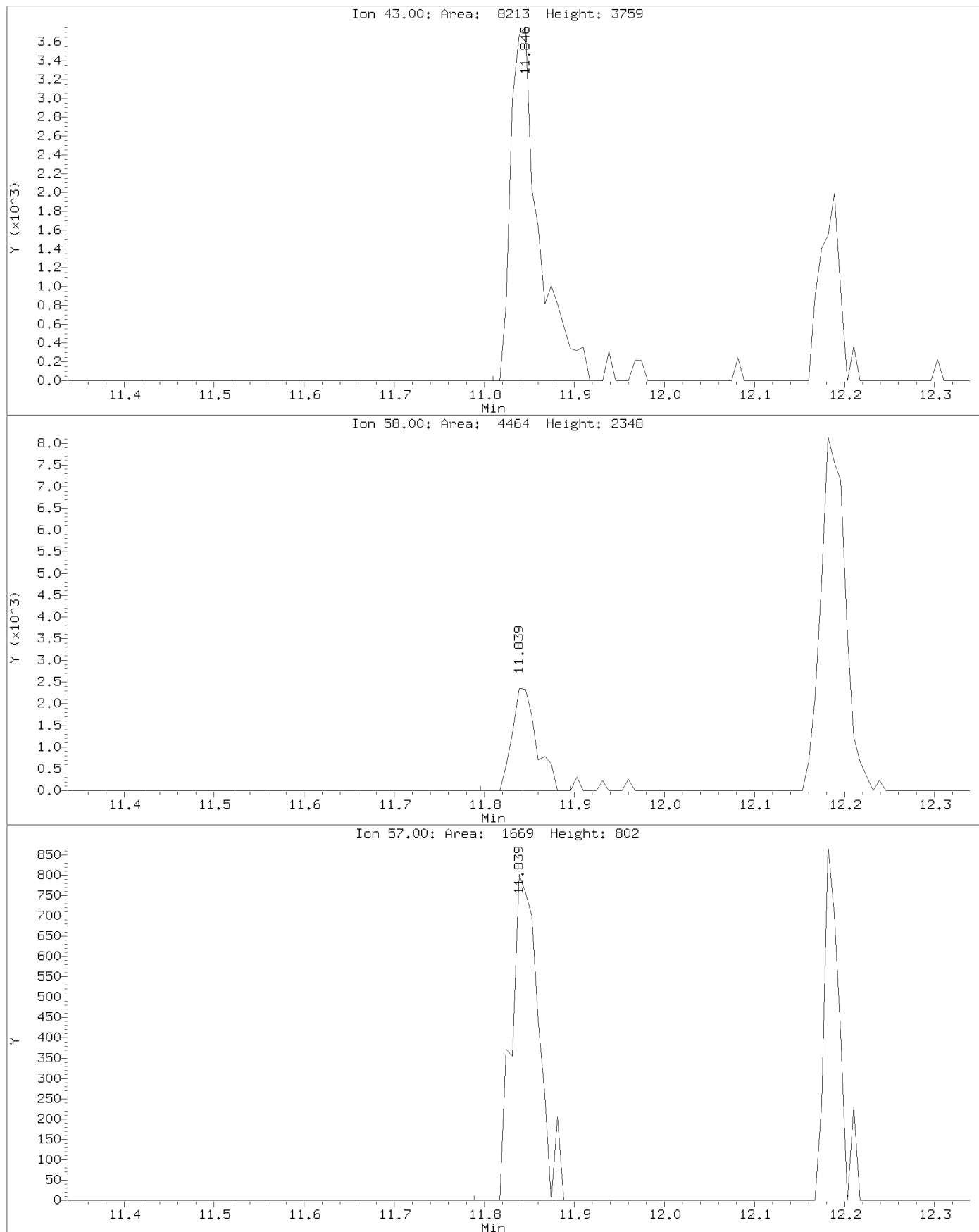
Compound: 2-Hexanone
CAS Number: 591-78-6



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
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Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

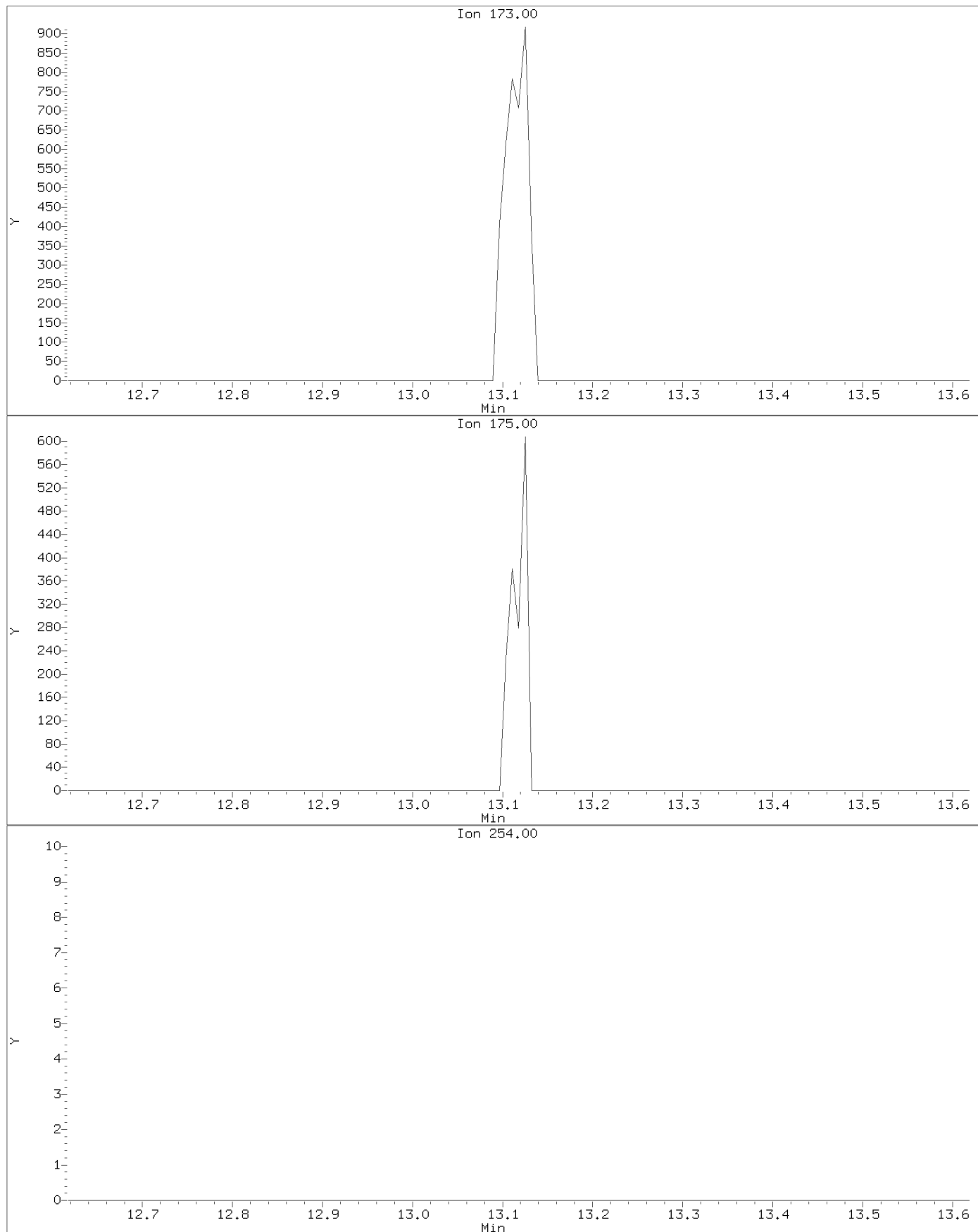
Compound: 2-Hexanone
CAS Number: 591-78-6



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

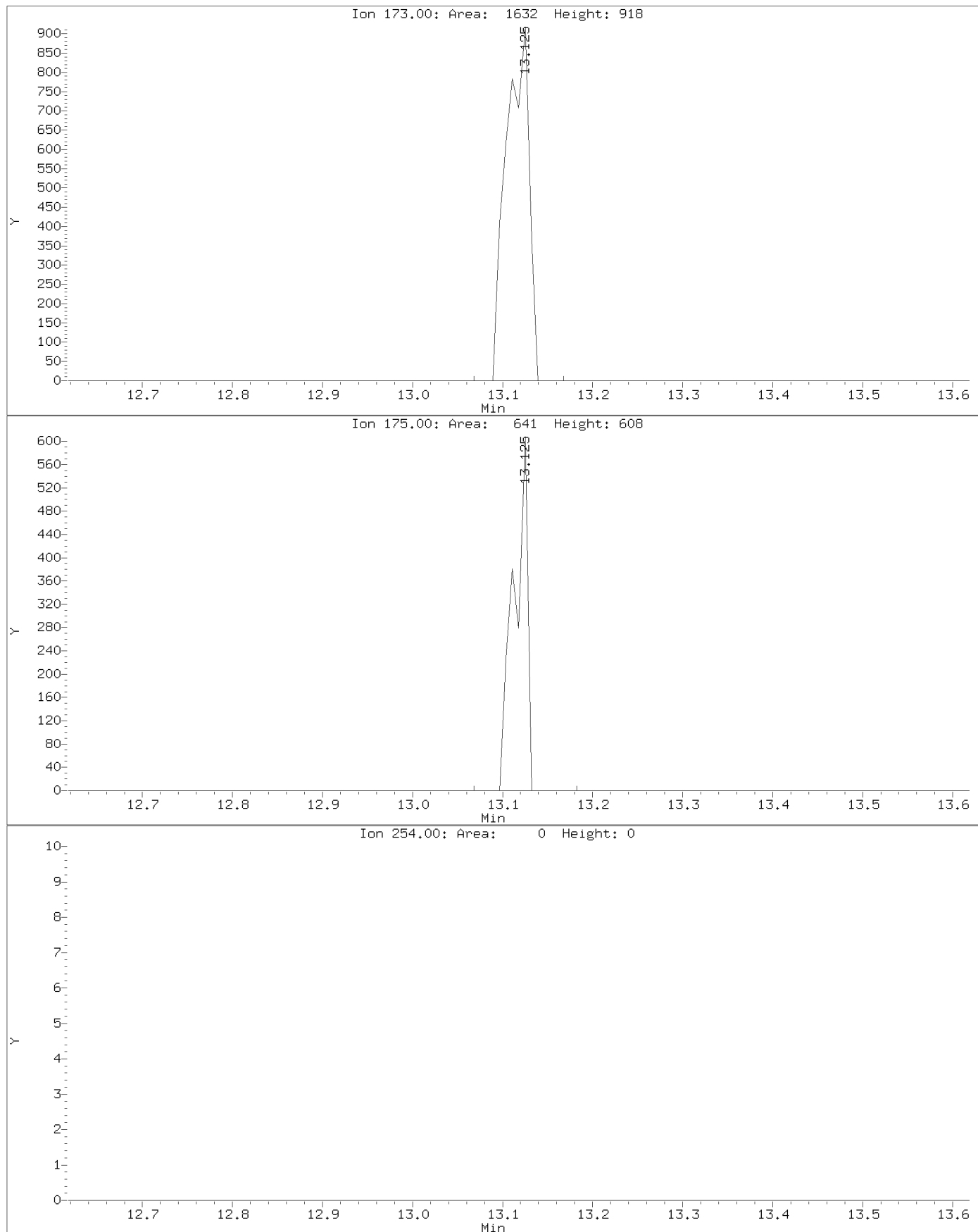
Compound: Bromoform
CAS Number: 75-25-2



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

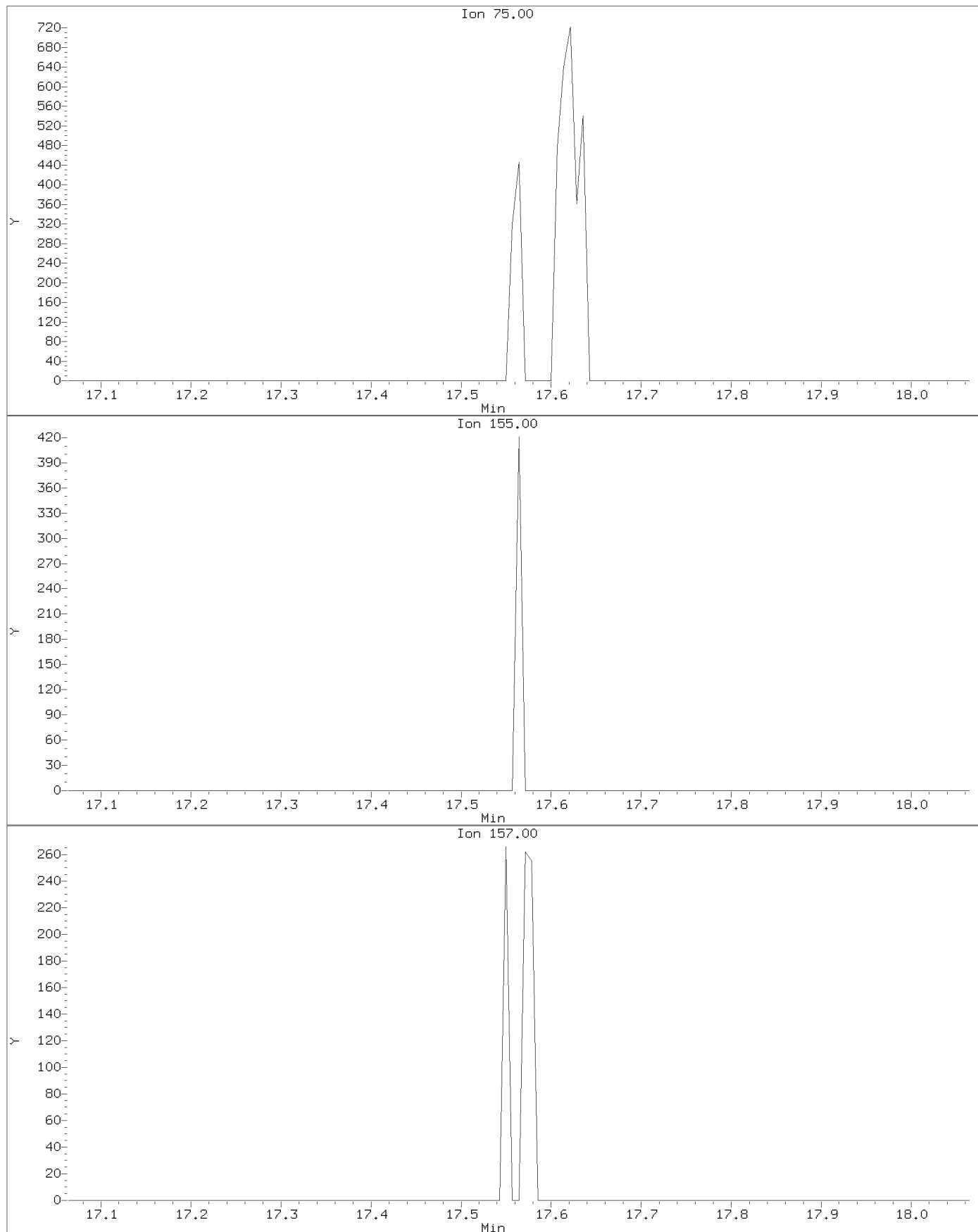
Compound: Bromoform
CAS Number: 75-25-2



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

Compound: 1,2-Dibromo-3-Chloropropane
CAS Number: 96-12-8

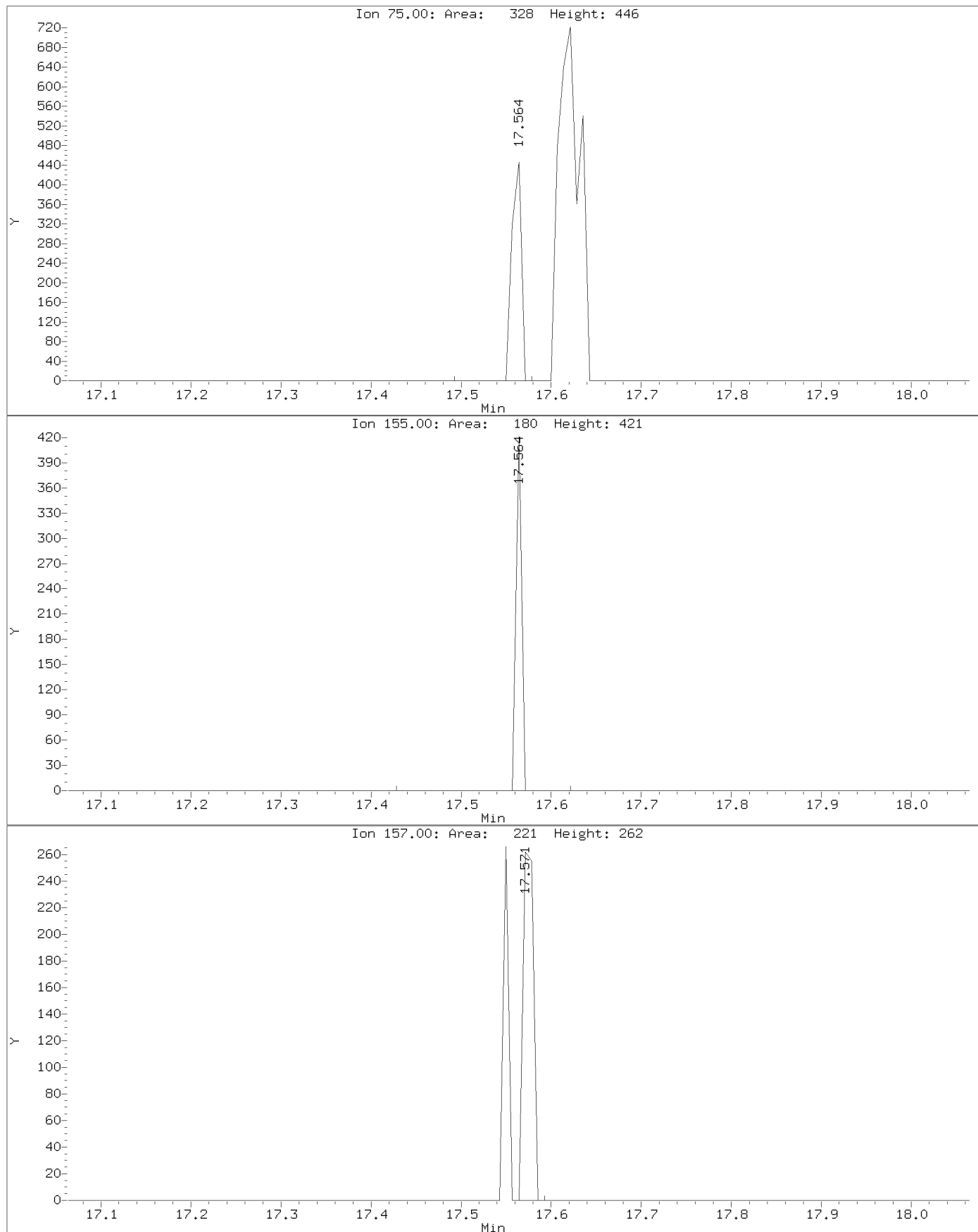
BEFORE MANUAL INTEGRATION



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Client Sample ID:

AFTER MANUAL INTEGRATION

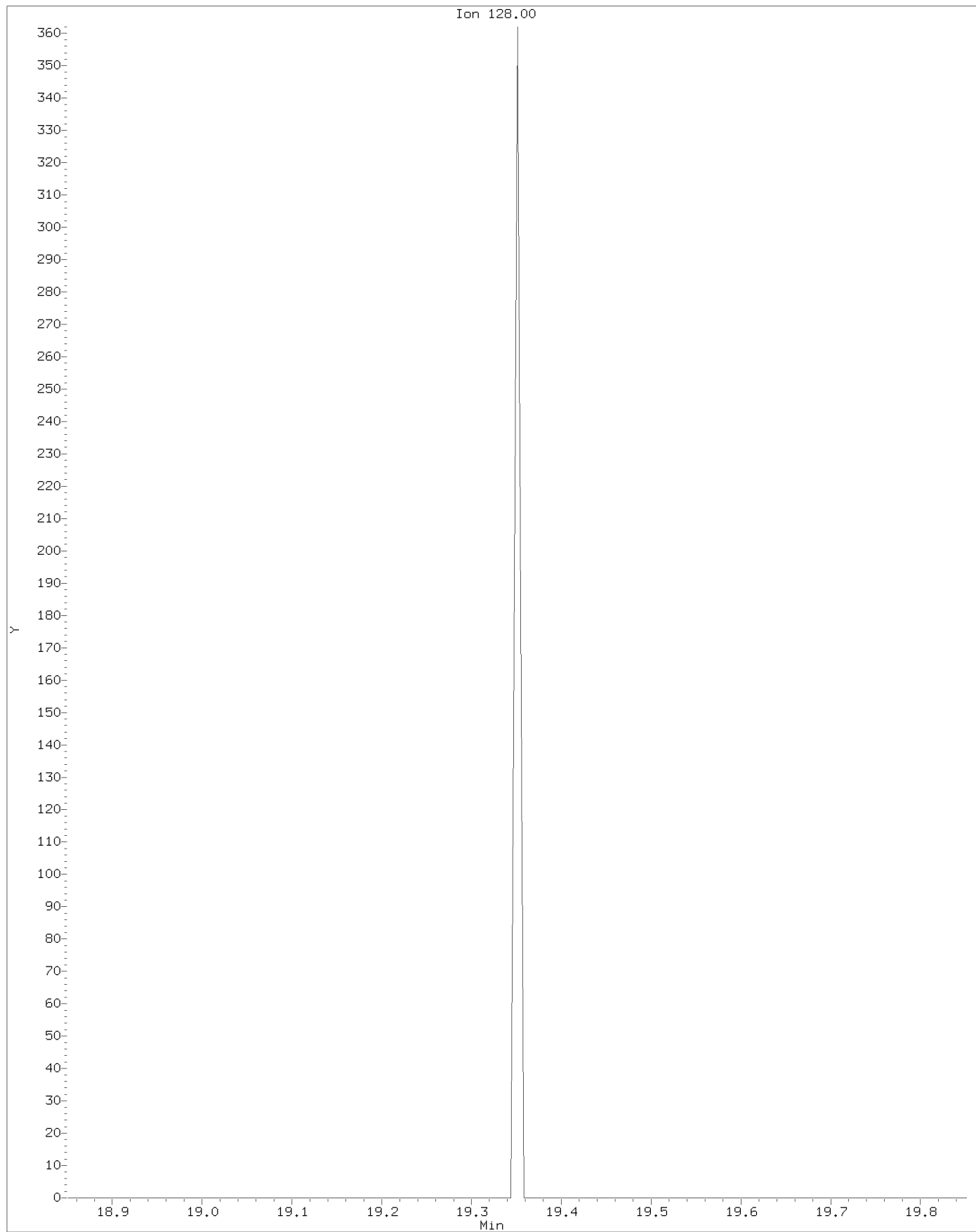
Compound: 1,2-Dibromo-3-Chloropropane
CAS Number: 96-12-8



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

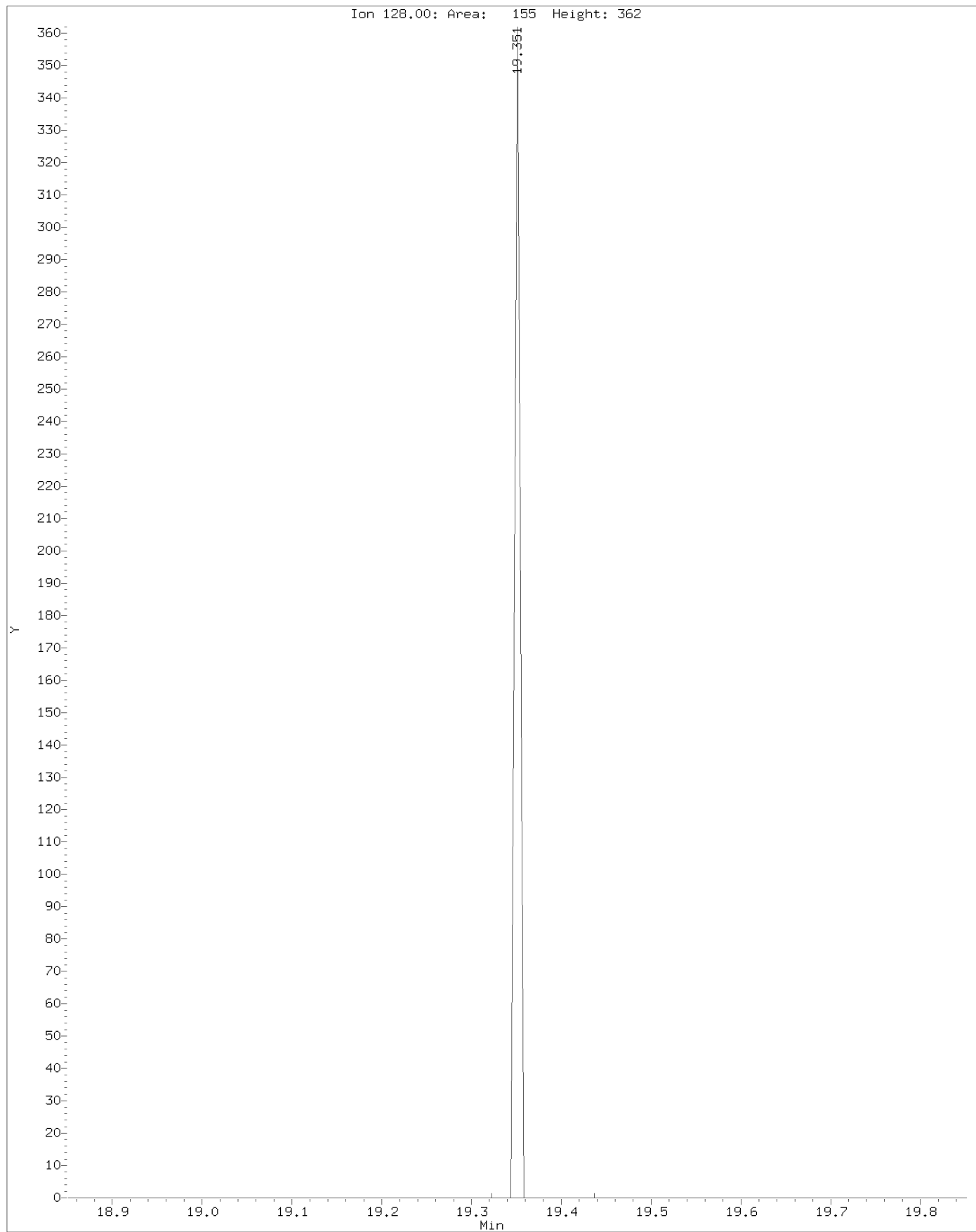
Compound: Naphthalene
CAS Number: 91-20-3



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

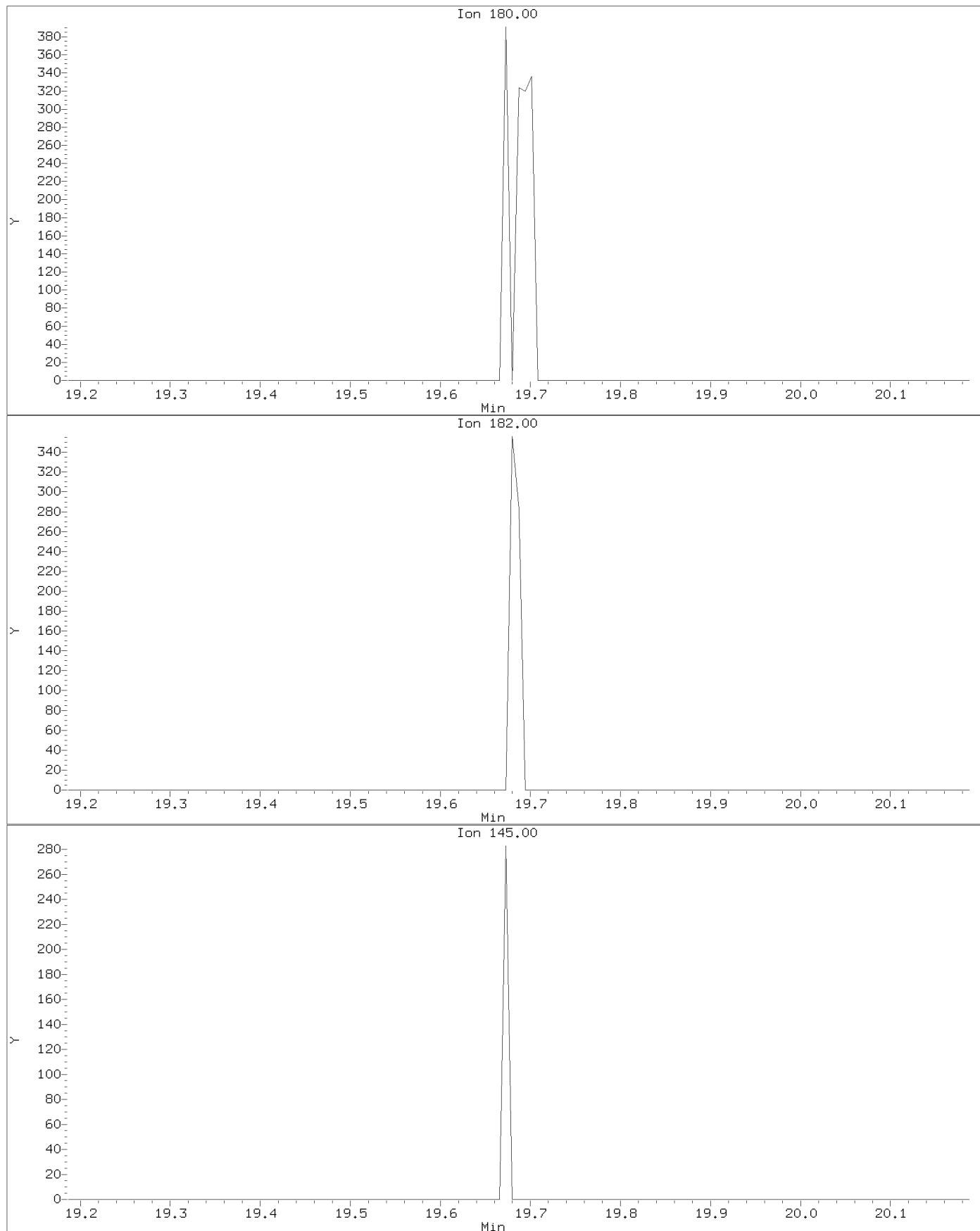
Compound: Naphthalene
CAS Number: 91-20-3



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
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BEFORE MANUAL INTEGRATION

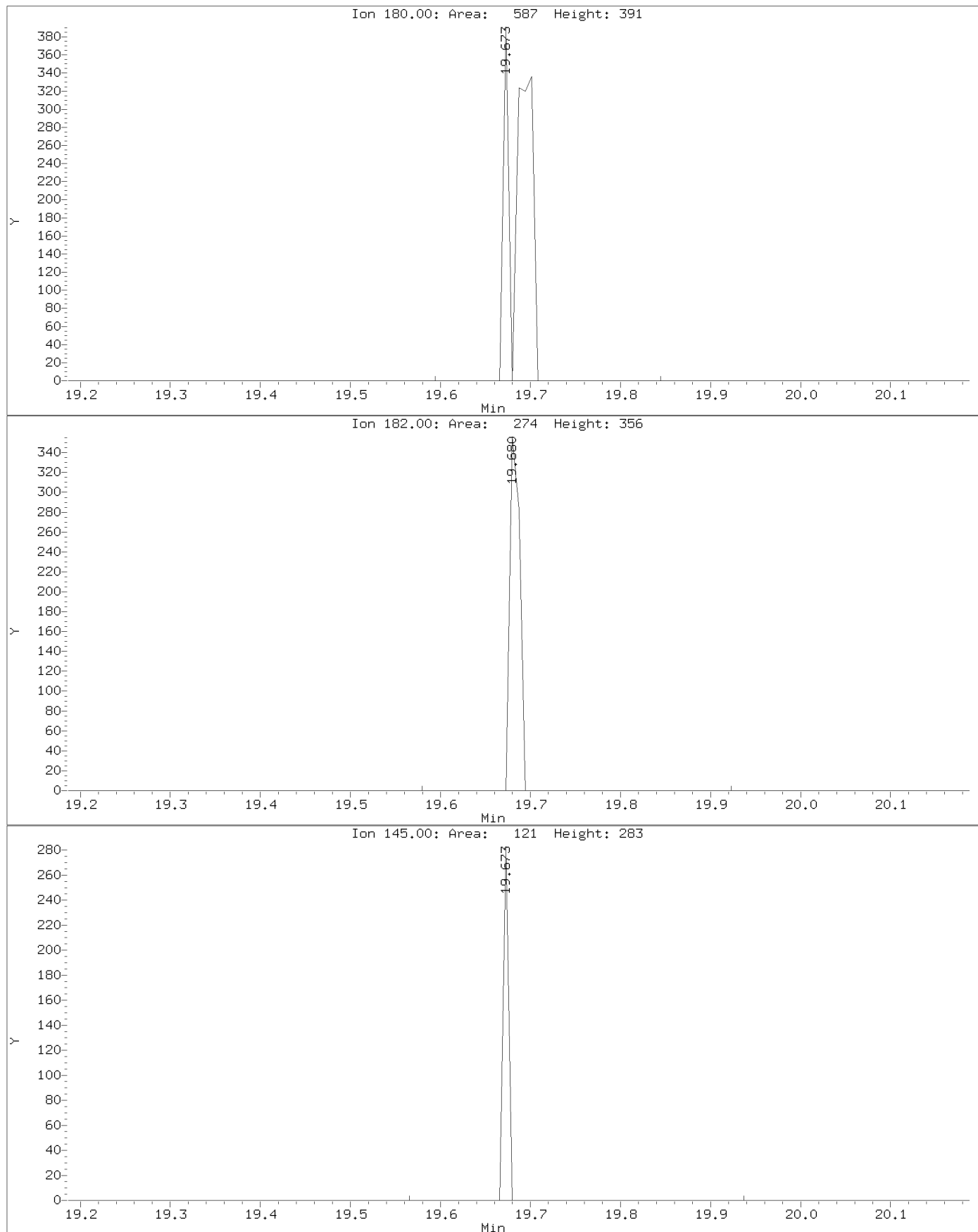
Compound: 1,2,3-Trichlorobenzene
CAS Number: 87-61-6



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

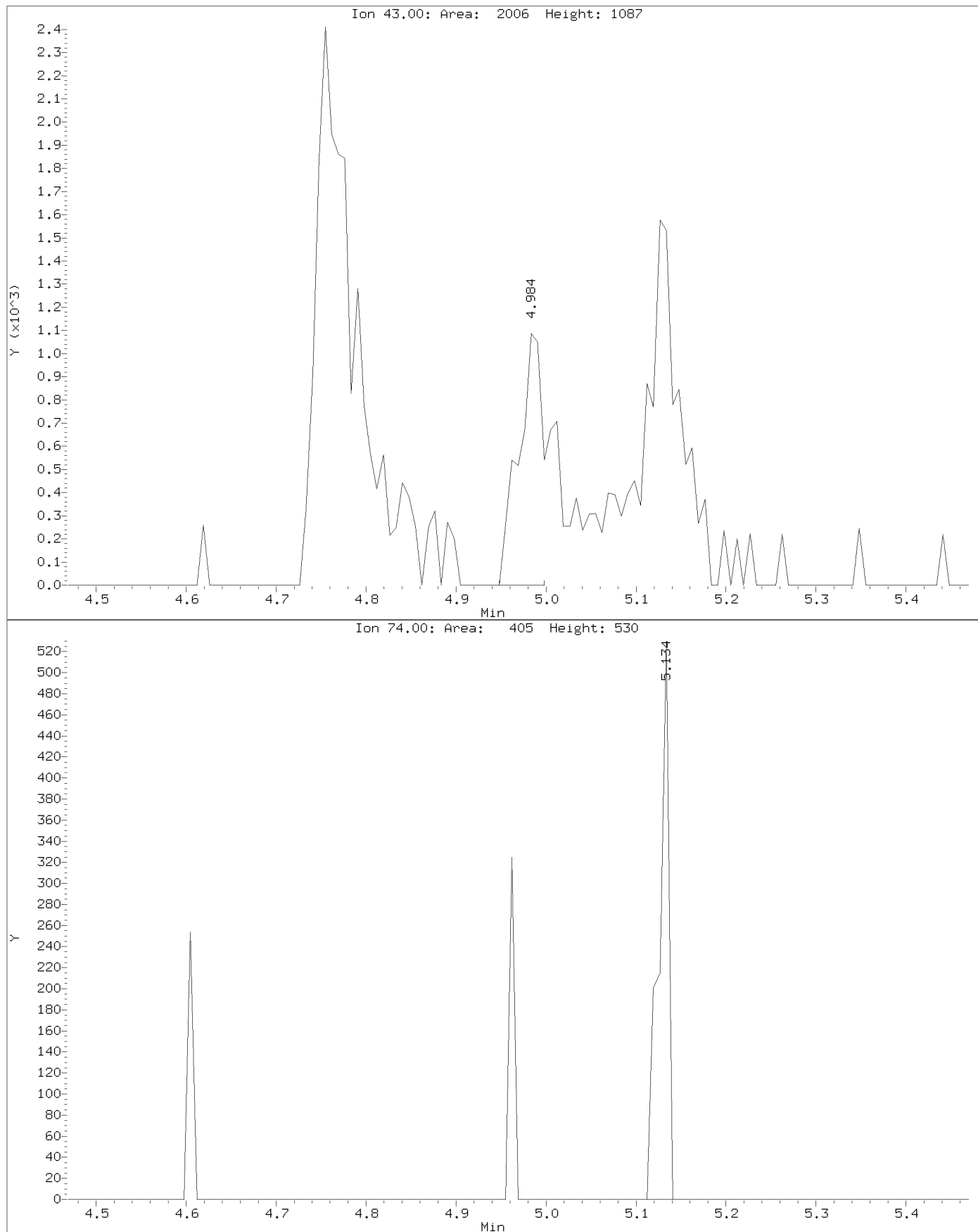
Compound: 1,2,3-Trichlorobenzene
CAS Number: 87-61-6



Data File: \\target_server\gg\chem\gcms-c.i\0040815.b\C2179.D
Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

Compound: Methyl Acetate
CAS Number: 79-20-9

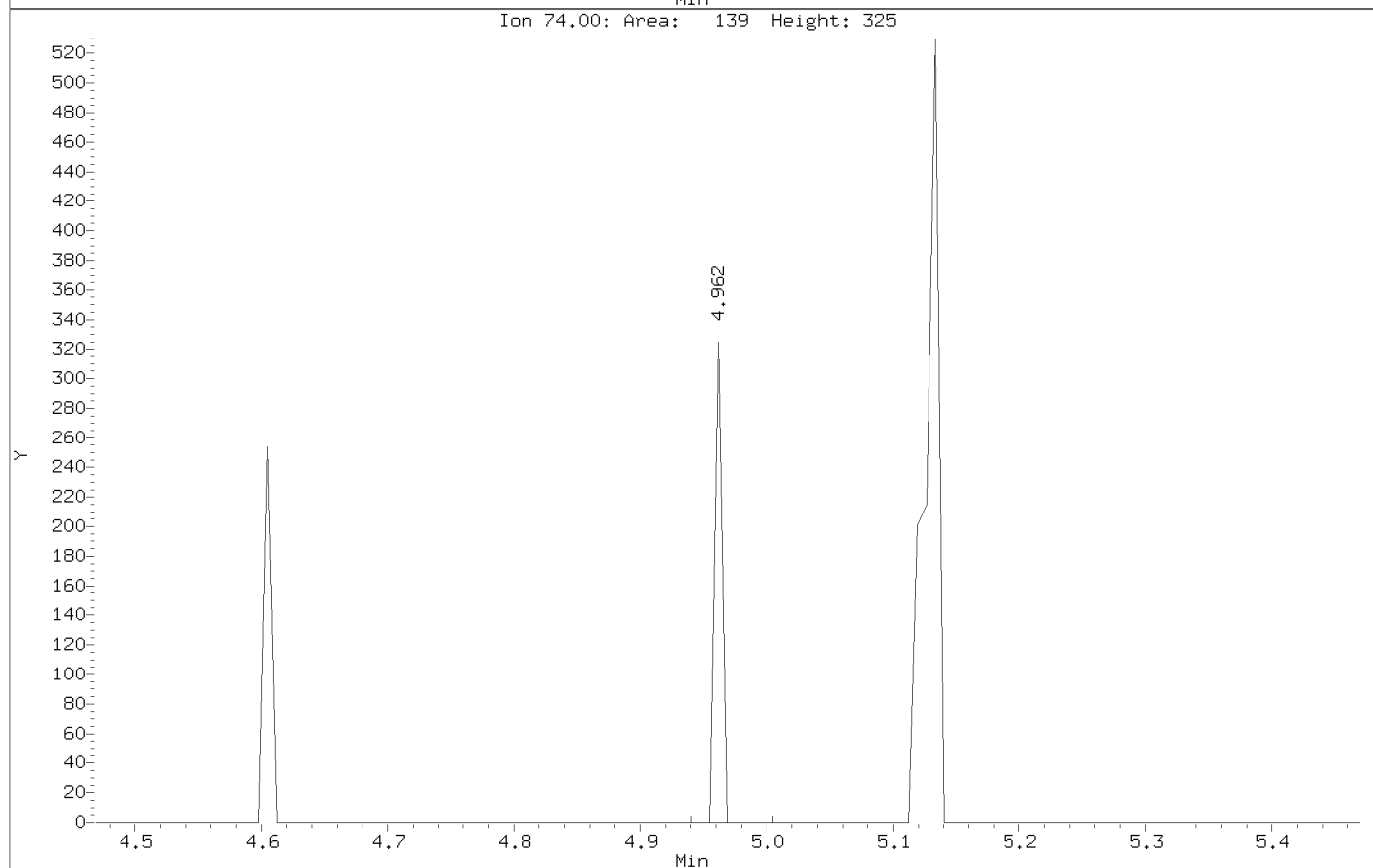
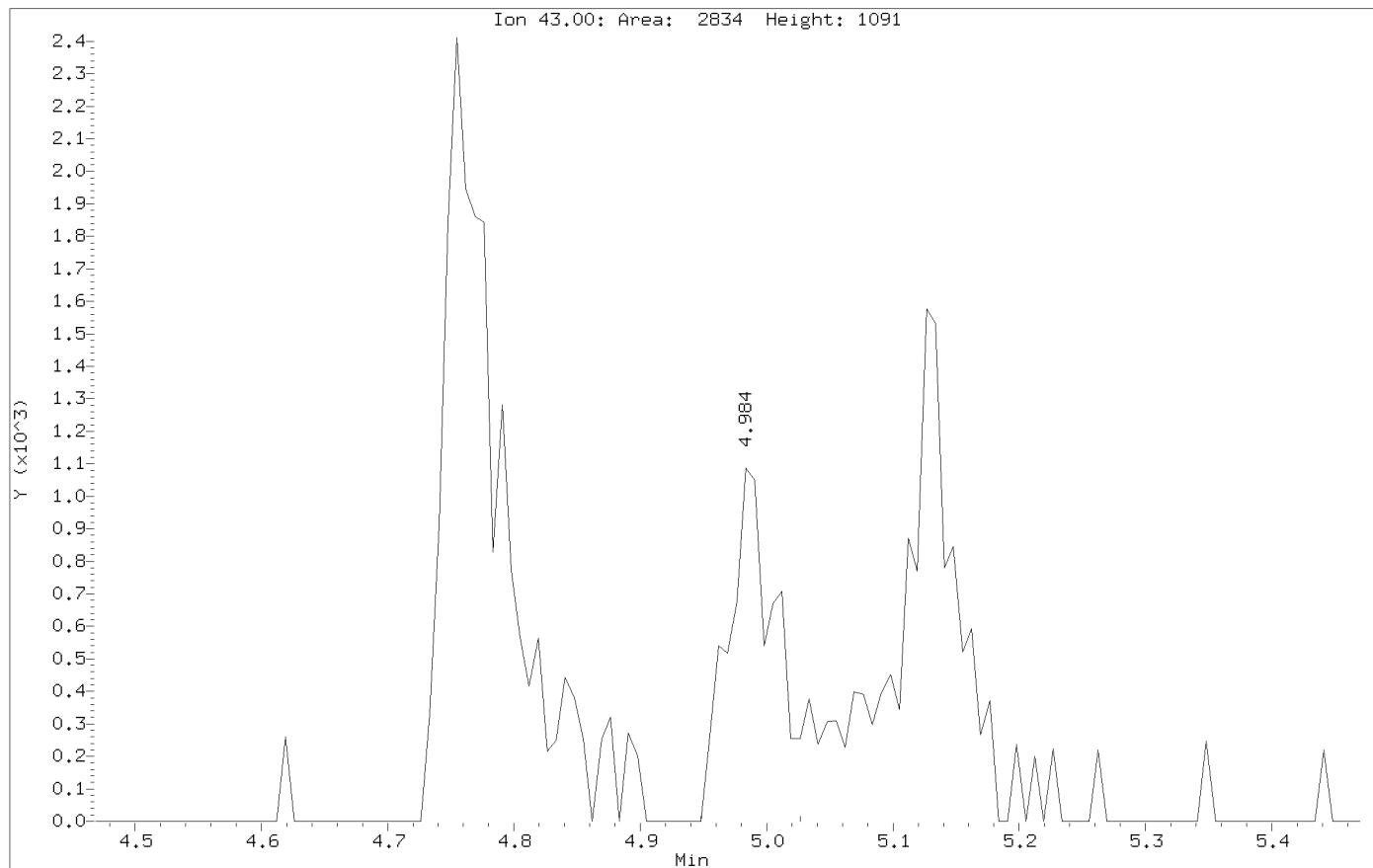
BEFORE MANUAL INTEGRATION



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Injection Date: 08-APR-2015 13:02
Instrument: gcms-c.i
Client Sample ID:

AFTER MANUAL INTEGRATION

Compound: Methyl Acetate
CAS Number: 79-20-9



Data File: \\target_server\gg\chem\gcms-c.i\C040815.b\C2182A.D
Report Date: 13-Apr-2015 11:09

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C040815.b\C2182A.D
Lab Smp Id: WG160924-7 Client Smp ID: Independent Source
Inj Date : 08-APR-2015 14:53 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG160924-7
Misc Info : WG160924, WG160924-4
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C040815.b\C826A36.m
Meth Date : 08-Apr-2015 14:42 rcrocker Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 7 QC Sample: INDSOURCE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 Dichlorodifluoromethane	85	1.986	1.986	(0.247)	334890		51.3109	51.3	
2 Chloromethane	50	2.229	2.229	(0.277)	409595		47.8800	47.9	
3 Vinyl chloride	62	2.329	2.322	(0.290)	303019		48.1451	48.1	
4 Bromomethane	94	2.729	2.730	(0.339)	159436		50.5233	50.5	
5 Chloroethane	64	2.879	2.880	(0.358)	115324		45.9998	46.0	
6 Trichlorofluoromethane	101	3.058	3.051	(0.380)	332220		43.7269	43.7	
7 Diethyl Ether	59	3.487	3.487	(0.434)	203825		47.4934	47.5	
8 Tertiary-butyl alcohol	59	5.345	5.353	(0.665)	143553		284.268	284	
9 1,1-Dichloroethene	96	3.744	3.745	(0.466)	225046		50.8899	50.9	
10 Carbon Disulfide	76	3.780	3.780	(0.470)	663440		52.7731	52.8	
11 Freon-113	151	3.808	3.809	(0.474)	159009		52.3502	52.4	
12 Iodomethane	142	3.959	3.952	(0.492)	258055		51.5185	51.5	
13 Acrolein	56	4.266	4.267	(0.531)	182990		274.111	274	
14 Methylene Chloride	84	4.645	4.645	(0.578)	256192		49.3277	49.3	
15 Acetone	43	4.752	4.753	(0.591)	102929		64.5838	64.6(R)	
16 Isobutyl Alcohol	43	8.626	8.255	(1.073)	26892		146.855	147(R)	
17 trans-1,2-Dichloroethene	96	4.916	4.917	(0.612)	241758		48.4292	48.4	
18 Allyl Chloride	41	4.473	4.474	(0.556)	251900		52.9651	53.0	
19 Methyl tert-butyl ether	73	5.124	5.124	(0.637)	1244278		112.401	112	
20 Acetonitrile	39	5.545	5.546	(0.690)	60020		479.886	480	
21 Di-isopropyl ether	45	5.781	5.782	(0.719)	765485		54.5492	54.5	
22 Chloroprene	53	5.910	5.911	(0.735)	389627		53.0191	53.0	
23 Propionitrile	54	7.961	7.962	(0.990)	390726		517.729	518	
24 Methacrylonitrile	41	7.983	7.984	(0.993)	1355260		499.152	499	

Data File: \\target_server\gg\chem\gcms-c.i\C040815.b\C2182A.D
Report Date: 13-Apr-2015 11:09

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT		ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.946	5.946 (0.740)	499560	51.5814	51.6	
26 Acrylonitrile	52	6.039	6.039 (0.751)	453062	267.765	268	
27 Ethyl tertiary-butyl ether	59	6.346	6.347 (0.789)	698592	55.0212	55.0	
28 Vinyl Acetate	43	6.367	6.368 (0.732)	573133	56.3242	56.3	
29 cis-1,2-Dichloroethene	96	6.753	6.761 (0.840)	252670	49.0540	49.0	
M 30 1,2-Dichloroethylene (total)	96			494428	97.4832	97.5	
31 Methyl Methacrylate	41	9.563	9.563 (1.099)	188513	50.8563	50.8	
32 2,2-Dichloropropane	77	6.904	6.904 (0.859)	403399	50.0355	50.0	
33 Bromochloromethane	128	7.032	7.033 (0.875)	107473	52.0935	52.1	
34 Chloroform	83	7.154	7.154 (0.890)	497888	49.4876	49.5	
35 Carbon Tetrachloride	117	7.311	7.312 (0.841)	314088	52.6918	52.7	
36 Tetrahydrofuran	42	7.361	7.362 (0.916)	74242	54.4861	54.5	
\$ 37 Dibromofluoromethane	113	7.397	7.405 (0.920)	196973	52.2656	52.3	
38 1,1,1-Trichloroethane	97	7.411	7.412 (0.922)	460587	48.4293	48.4	
39 1,1-Dichloropropene	75	7.583	7.583 (0.872)	374331	53.0899	53.1	
40 2-Butanone	43	7.583	7.583 (0.943)	127764	53.8998	53.9	
41 Benzene	78	7.904	7.905 (0.909)	911943	51.4512	51.4	
* 42 Pentafluorobenzene	168	8.040	8.041 (1.000)	375671	50.0000		
43 Cyclohexane	56	7.018	7.019 (0.873)	416292	50.6438	50.6	
44 Ethyl Methacrylate	69	11.057	11.057 (1.271)	269189	56.2190	56.2	
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090 (1.006)	266821	52.9163	52.9	
46 Tertiary-amyl methyl ether	73	8.076	8.076 (1.004)	528635	54.5344	54.5	
47 1,2-Dichloroethane	62	8.176	8.177 (0.940)	399163	47.3851	47.4	
48 Trichloroethene	95	8.648	8.648 (0.994)	265157	49.1588	49.2	
* 49 1,4-Difluorobenzene	114	8.698	8.698 (1.000)	629003	50.0000		
50 Dibromomethane	93	9.162	9.163 (1.053)	153275	48.7768	48.8	
51 1,2-Dichloropropane	63	9.284	9.284 (1.067)	247108	53.1427	53.1	
52 Bromodichloromethane	83	9.370	9.370 (1.077)	383589	54.8118	54.8	
53 cis-1,3-dichloropropene	75	10.106	10.106 (1.162)	404692	53.9540	54.0	
54 1,4-Dioxane	88	9.606	9.606 (1.104)	80020	1090.27	1090	
\$ 55 Toluene-D8	98	10.320	10.321 (1.187)	688599	59.6972	59.7	
56 2-Chloroethylvinylether	63	10.042	10.049 (1.154)	10022	77.3026	77.3(R)	
57 Toluene	92	10.378	10.378 (1.193)	582935	50.7797	50.8	
58 4-methyl-2-pentanone	43	10.828	10.828 (1.245)	244669	60.9374	60.9(R)	
59 Tetrachloroethene	164	10.821	10.821 (0.888)	189018	49.1921	49.2	
60 trans-1,3-Dichloropropene	75	10.864	10.871 (1.249)	384988	54.7366	54.7	
61 1,1,2-Trichloroethane	83	11.057	11.057 (1.271)	178719	50.6679	50.7	
62 Dibromochloromethane	129	11.264	11.264 (0.924)	255951	49.5818	49.6	
63 1,3-Dichloropropane	76	11.378	11.379 (0.934)	400618	52.0124	52.0	
64 1,2-Dibromoethane	107	11.550	11.550 (1.328)	240298	52.3599	52.4	
65 2-Hexanone	43	11.836	11.836 (0.971)	186455	54.7843	54.8	
* 66 Chlorobenzene-D5	117	12.186	12.187 (1.000)	601919	50.0000		
67 Chlorobenzene	112	12.207	12.208 (1.002)	659439	53.5505	53.6	
152 1-Chlorohexane	91	12.179	12.179 (0.999)	373250	52.6931	52.7	
68 Ethylbenzene	106	12.243	12.244 (1.005)	352704	50.5032	50.5	
69 1,1,1,2-Tetrachloroethane	131	12.293	12.294 (1.009)	248073	53.3890	53.4	
M 70 Xylenes (total)	106			1308104	165.707	166	
71 m+p-Xylenes	106	12.436	12.437 (1.021)	871403	106.995	107	
72 o-Xylene	106	13.001	13.001 (1.067)	436701	58.7116	58.7	
73 Styrene	104	13.079	13.080 (1.073)	725014	54.5367	54.5	
74 Bromoform	173	13.115	13.116 (1.076)	159013	48.4475	48.4	
75 Isopropylbenzene	105	13.437	13.437 (0.866)	1228311	56.7292	56.7	
\$ 76 P-Bromofluorobenzene	95	13.837	13.838 (1.591)	317523	52.3157	52.3	
77 cis-1,4-Dichloro-2-Butene	53	13.937	13.938 (0.898)	114715	48.9440	48.9	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
						ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
78 trans-1,4-Dichloro-2-Butene	53	14.395	14.395	(0.928)	90667	47.8076	47.8	
79 Bromobenzene	156	13.980	13.981	(0.901)	278812	52.7325	52.7	
80 N-Propylbenzene	91	14.023	14.024	(0.904)	1504603	56.9553	57.0	
81 1,1,2,2-Tetrachloroethane	83	14.137	14.131	(0.911)	314450	51.8496	51.8	
82 1,3,5-Trimethylbenzene	105	14.316	14.317	(0.923)	1040475	50.5508	50.6	
83 2-Chlorotoluene	91	14.252	14.252	(0.918)	936724	54.0282	54.0	
84 1,2,3-Trichloropropane	75	14.330	14.331	(0.924)	272757	50.3767	50.4	
85 4-Chlorotoluene	91	14.502	14.502	(0.935)	985937	56.0903	56.1	
86 tert-Butylbenzene	119	14.788	14.788	(0.953)	1018895	56.4543	56.4	
87 Pentachloroethane	117	14.824	14.824	(0.955)	201915	54.2450	54.2	
88 1,2,4-Trimethylbenzene	105	14.902	14.903	(0.960)	1061329	52.6243	52.6	
89 P-Isopropyltoluene	119	15.295	15.296	(0.986)	1105946	56.2885	56.3	
90 1,3-Dichlorobenzene	146	15.395	15.396	(0.992)	516318	54.0932	54.1	
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	368395	50.0000		
92 1,4-Dichlorobenzene	146	15.538	15.539	(1.001)	513934	49.5277	49.5	
93 N-Butylbenzene	91	15.967	15.968	(1.029)	1113774	54.1082	54.1	
94 sec-Butylbenzene	105	15.067	15.067	(0.971)	1325087	55.0742	55.1	
95 1,2-Dichlorobenzene	146	16.217	16.218	(1.045)	469845	54.3968	54.4	
96 1,2-Dibromo-3-Chloropropane	75	17.561	17.562	(1.132)	60855	49.2534	49.2	
97 1,3,5-Trichlorobenzene	180	17.618	17.619	(1.135)	348184	53.1550	53.2	
98 Hexachlorobutadiene	225	18.719	18.720	(1.206)	169749	51.8734	51.9	
99 1,2,4-Trichlorobenzene	180	18.762	18.763	(1.209)	272263	52.3652	52.4	
100 1,2,3-Trimethylbenzene	105	15.581	15.582	(1.004)	975931	51.5653	51.6	
101 Naphthalene	128	19.348	19.349	(1.247)	547561	51.5748	51.6	
102 1,2,3-Trichlorobenzene	180	19.684	19.685	(1.269)	175255	52.0281	52.0	
103 Methyl Acetate	43	4.974	4.967	(0.619)	202638	53.6103	53.6	
104 Methylcyclohexane	83	8.626	8.627	(1.073)	445236	55.2186	55.2	
M 153 Total Alkylbenzenes	100				8170109	382.056	382	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gs\chem\goms-c.i\CO40815.b\C21829.D

Date : 08-APR-2015 14:53

Client ID: Independent Source

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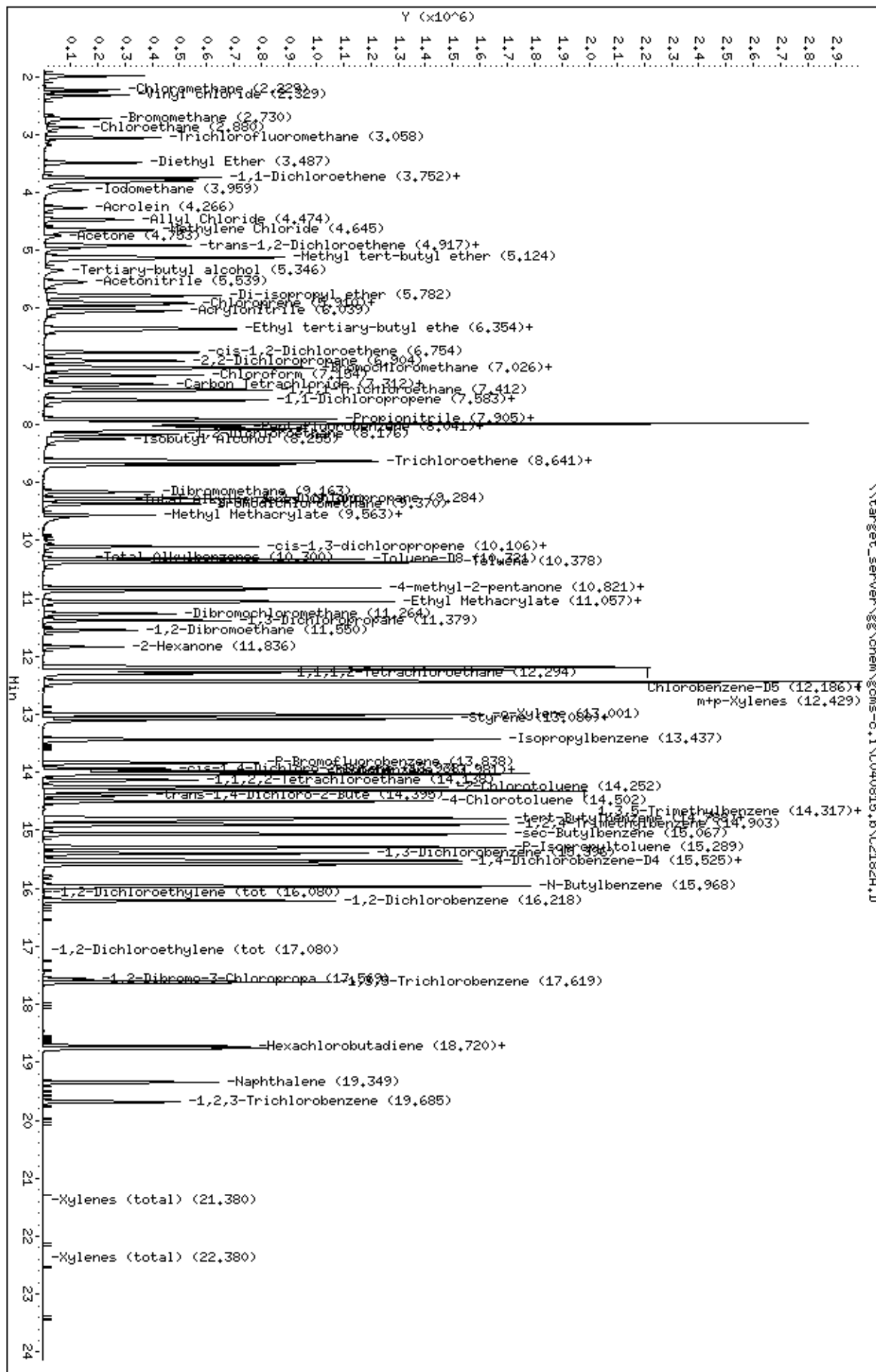
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Instrument: goms-c.i

Operator: EHE

Column diameter: 0.18



Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab ID : WG161195-4

Analytical Date: 04/14/15 09:20

Lab File ID : C2274.D

Instrument ID: GCMS-C

Initial Calibration Date(s): 04/08/15 10:49 04/08/15 14:06

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
1 Dichlorodifluoromethane	0.86867	0.91896	0.91896	0.010	5.78937	20.00000	Averaged
2 Chloromethane	1.13858	1.10709	1.10709	0.100	-2.76587	20.00000	Averaged
3 Vinyl chloride	0.83768	0.86961	0.86961	0.010	3.81145	20.00000	Averaged
4 Bromomethane	50.00000	54.91117	0.46078	0.010	9.82234	20.00000	Linear
5 Chloroethane	50.00000	63.38682	0.41436	0.010	26.77365	20.00000	Linear *
6 Trichlorofluoromethane	1.01121	1.10502	1.10502	0.010	9.27699	20.00000	Averaged
9 1,1-Dichloroethene	0.58858	0.50393	0.50393	0.100	-14.38095	20.00000	Averaged
10 Carbon Disulfide	1.67321	1.42965	1.42965	0.010	-14.55657	20.00000	Averaged
11 Freon-113	0.40426	0.38211	0.38211	0.010	-5.48041	20.00000	Averaged
14 Methylene Chloride	50.00000	47.10750	0.65178	0.010	-5.78500	20.00000	Linear
15 Acetone	0.21212	0.21620	0.21620	0.010	1.92346	20.00000	Averaged
17 trans-1,2-Dichloroethene	0.66441	0.61230	0.61230	0.010	-7.84261	20.00000	Averaged
19 Methyl tert-butyl ether	1.47337	1.54033	1.54033	0.010	4.54479	20.00000	Averaged
25 1,1-Dichloroethane	1.28901	1.26299	1.26299	0.100	-2.01890	20.00000	Averaged
29 cis-1,2-Dichloroethene	0.68555	0.63635	0.63635	0.010	-7.17759	20.00000	Averaged
33 Bromochloromethane	0.27459	0.26308	0.26308	0.010	-4.19072	20.00000	Averaged
34 Chloroform	1.33905	1.33245	1.33245	0.010	-0.49279	20.00000	Averaged
35 Carbon Tetrachloride	0.47383	0.48469	0.48469	0.010	2.29041	20.00000	Averaged
38 1,1,1-Trichloroethane	1.26580	1.23786	1.23786	0.010	-2.20746	20.00000	Averaged
40 2-Butanone	250	258	0.29758	0.010	3.28057	20.00000	Linear
41 Benzene	1.40893	1.33290	1.33290	0.010	-5.39627	20.00000	Averaged
43 Cyclohexane	1.09404	1.04366	1.04366	0.010	-4.60555	20.00000	Averaged
47 1,2-Dichloroethane	0.66962	0.63812	0.63812	0.010	-4.70353	20.00000	Averaged
48 Trichloroethene	0.42876	0.40474	0.40474	0.010	-5.60423	20.00000	Averaged
51 1,2-Dichloropropane	0.36962	0.35197	0.35197	0.010	-4.77751	20.00000	Averaged
52 Bromodichloromethane	0.55630	0.58172	0.58172	0.010	4.56934	20.00000	Averaged
53 cis-1,3-dichloropropene	0.59624	0.61573	0.61573	0.010	3.26917	20.00000	Averaged
54 1,4-Dioxane	0.00583	0.00286	0.00286	0.001	-50.90159	20.00000	Averaged *
57 Toluene	0.91253	0.87314	0.87314	0.010	-4.31633	20.00000	Averaged
58 4-methyl-2-pentanone	0.31916	0.33603	0.33603	0.010	5.28562	20.00000	Averaged
59 Tetrachloroethene	0.31918	0.27668	0.27668	0.010	-13.31533	20.00000	Averaged
60 trans-1,3-Dichloropropene	0.55910	0.57795	0.57795	0.010	3.37192	20.00000	Averaged
61 1,1,2-Trichloroethane	0.28039	0.27519	0.27519	0.010	-1.85386	20.00000	Averaged
62 Dibromochloromethane	50.00000	46.28669	0.39647	0.010	-7.42662	20.00000	Linear
64 1,2-Dibromoethane	0.36481	0.35267	0.35267	0.010	-3.32697	20.00000	Averaged
65 2-Hexanone	250	255	0.25194	0.010	1.86874	20.00000	Linear
67 Chlorobenzene	1.02292	0.93193	0.93193	0.300	-8.89500	20.00000	Averaged
68 Ethylbenzene	0.58013	0.54843	0.54843	0.010	-5.46461	20.00000	Averaged
71 m+p-Xylenes	0.67653	0.63970	0.63970	0.010	-5.44348	20.00000	Averaged
72 o-Xylene	0.61786	0.60381	0.60381	0.010	-2.27489	20.00000	Averaged
73 Styrene	1.10431	1.09742	1.09742	0.010	-0.62337	20.00000	Averaged

Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab ID : WG161195-4

Analytical Date: 04/14/15 09:20

Lab File ID : C2274.D

Instrument ID: GCMS-C

Initial Calibration Date(s): 04/08/15 10:49 04/08/15 14:06

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
74 Bromoform	50.00000	44.65745	0.24297	0.100	-10.68511	20.00000	Linear
75 Isopropylbenzene	2.93872	2.85328	2.85328	0.010	-2.90720	20.00000	Averaged
80 N-Propylbenzene	3.58545	3.45672	3.45672	0.010	-3.59056	20.00000	Averaged
81 1,1,2,2-Tetrachloroethane	0.82312	0.76796	0.76796	0.300	-6.70068	20.00000	Averaged
82 1,3,5-Trimethylbenzene	2.79357	2.65203	2.65203	0.010	-5.06681	20.00000	Averaged
85 4-Chlorotoluene	2.38571	2.28075	2.28075	0.010	-4.39952	20.00000	Averaged
86 tert-Butylbenzene	2.44956	2.34447	2.34447	0.010	-4.29030	20.00000	Averaged
88 1,2,4-Trimethylbenzene	2.73728	2.65024	2.65024	0.010	-3.17995	20.00000	Averaged
89 P-Isopropyltoluene	2.66668	2.54314	2.54314	0.010	-4.63242	20.00000	Averaged
90 1,3-Dichlorobenzene	1.29548	1.16232	1.16232	0.010	-10.27863	20.00000	Averaged
92 1,4-Dichlorobenzene	1.40837	1.24518	1.24518	0.010	-11.58719	20.00000	Averaged
93 N-Butylbenzene	50.00000	49.05844	2.75639	0.010	-1.88313	20.00000	Linear
94 sec-Butylbenzene	3.26552	3.05446	3.05446	0.010	-6.46333	20.00000	Averaged
95 1,2-Dichlorobenzene	1.17230	1.07335	1.07335	0.010	-8.44070	20.00000	Averaged
96 1,2-Dibromo-3-Chloropropane	50.00000	42.35849	0.14131	0.010	-15.28303	20.00000	Linear
99 1,2,4-Trichlorobenzene	50.00000	43.67804	0.61643	0.010	-12.64391	20.00000	Linear
101 Naphthalene	50.00000	42.68537	1.22087	0.010	-14.62926	20.00000	Linear
102 1,2,3-Trichlorobenzene	50.00000	43.16841	0.39467	0.010	-13.66318	20.00000	Linear
103 Methyl Acetate	0.50308	0.52456	0.52456	0.010	4.26968	20.00000	Averaged
104 Methylcyclohexane	1.07317	1.06185	1.06185	0.010	-1.05463	20.00000	Averaged
37 Dibromofluoromethane	0.50159	0.47566	0.47566	0.010	-5.17095	20.00000	Averaged
45 1,2-Dichloroethane-D4	0.67111	0.71287	0.71287	0.010	6.22274	20.00000	Averaged
55 Toluene-D8	0.91692	0.94244	0.94244	0.010	2.78320	20.00000	Averaged
76 P-Bromofluorobenzene	0.48246	0.46523	0.46523	0.010	-3.57012	20.00000	Averaged

* = Compound out of QC criteria

Data File: \\target_server\gg\chem\gcms-c.i\C041415.b\C2274.D
 Report Date: 22-Apr-2015 15:12

Katahdin Analytical Services

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 Inj Date : 14-APR-2015 09:20 MS Autotune Date: 03-FEB-2015 11:03
 Operator : EME Inst ID: gcms-c.i
 Smp Info : WG161195-4, SI2201
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 Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: SW82600LM-S.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

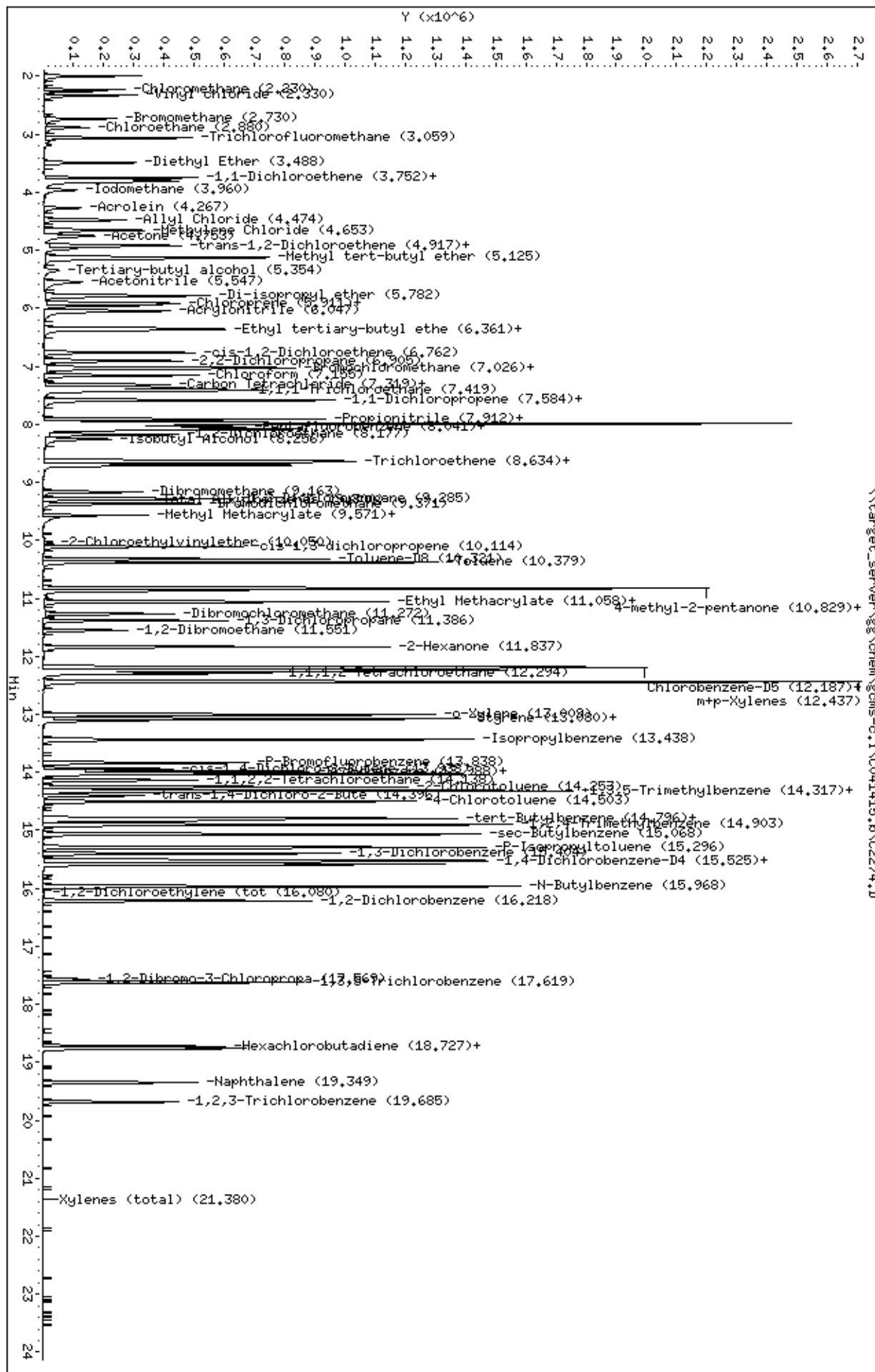
Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 Dichlorodifluoromethane	85	1.986	1.986 (0.247)		304368		50.0000	52.9	
2 Chloromethane	50	2.229	2.229 (0.277)		366677		50.0000	48.6	
3 Vinyl chloride	62	2.329	2.322 (0.290)		288023		50.0000	51.9	
4 Bromomethane	94	2.730	2.730 (0.340)		152614		50.0000	54.9	
5 Chloroethane	64	2.880	2.880 (0.358)		137240		50.0000	63.4	
6 Trichlorofluoromethane	101	3.059	3.051 (0.380)		365991		50.0000	54.6	
7 Diethyl Ether	59	3.487	3.487 (0.434)		179512		50.0000	47.4	
8 Tertiary-butyl alcohol	59	5.353	5.353 (0.666)		96310		250.000	216	
9 1,1-Dichloroethene	96	3.752	3.745 (0.467)		166907		50.0000	42.8	
10 Carbon Disulfide	76	3.788	3.780 (0.471)		473513		50.0000	42.7	
11 Freon-113	151	3.816	3.809 (0.475)		126558		50.0000	47.2	
12 Iodomethane	142	3.959	3.952 (0.492)		164392		50.0000	37.2	
13 Acrolein	56	4.267	4.267 (0.531)		135572		250.000	230	
14 Methylene Chloride	84	4.653	4.645 (0.579)		215874		50.0000	47.1	
15 Acetone	43	4.753	4.753 (0.591)		358033		250.000	255	
16 Isobutyl Alcohol	43	8.255	8.255 (1.027)		154593		1000.00	958	
17 trans-1,2-Dichloroethene	96	4.917	4.917 (0.612)		202800		50.0000	46.1	
18 Allyl Chloride	41	4.474	4.474 (0.556)		211280		50.0000	50.4	
19 Methyl tert-butyl ether	73	5.124	5.124 (0.637)		1020341		100.000	104	
20 Acetonitrile	39	5.546	5.546 (0.690)		52132		500.000	473	
21 Di-isopropyl ether	45	5.782	5.782 (0.719)		638046		50.0000	51.6	
22 Chloroprene	53	5.911	5.911 (0.735)		332699		50.0000	51.4	
23 Propionitrile	54	7.969	7.962 (0.991)		324142		500.000	487	
24 Methacrylonitrile	41	7.991	7.984 (0.994)		1210218		500.000	506	

Compounds	QUANT SIG					AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.946	5.946 (0.740)		418313	50.0000	49.0	
26 Acrylonitrile	52	6.046	6.039 (0.752)		365451	250.000	245	
27 Ethyl tertiary-butyl ether	59	6.347	6.347 (0.789)		588779	50.0000	52.6	
28 Vinyl Acetate	43	6.375	6.368 (0.732)		467840	50.0000	50.9	
29 cis-1,2-Dichloroethene	96	6.761	6.761 (0.841)		210764	50.0000	46.4	
31 Methyl Methacrylate	41	9.570	9.563 (1.099)		160507	50.0000	47.9	
32 2,2-Dichloropropane	77	6.904	6.904 (0.859)		368159	50.0000	51.8	
33 Bromochloromethane	128	7.040	7.033 (0.876)		87134	50.0000	47.9	
34 Chloroform	83	7.154	7.154 (0.890)		441321	50.0000	49.8	
35 Carbon Tetrachloride	117	7.319	7.312 (0.841)		275491	50.0000	51.1	
36 Tetrahydrofuran	42	7.362	7.362 (0.916)		311597	250.000	259	
\$ 37 Dibromofluoromethane	113	7.404	7.405 (0.921)		157542	50.0000	47.4	
38 1,1,1-Trichloroethane	97	7.419	7.412 (0.923)		409990	50.0000	48.9	
39 1,1-Dichloropropene	75	7.583	7.583 (0.871)		308583	50.0000	48.4	
40 2-Butanone	43	7.583	7.583 (0.943)		492806	250.000	258	
41 Benzene	78	7.912	7.905 (0.909)		757608	50.0000	47.3	
* 42 Pentafluorobenzene	168	8.041	8.041 (1.000)		331209	50.0000		
43 Cyclohexane	56	7.026	7.019 (0.874)		345668	50.0000	47.7	
44 Ethyl Methacrylate	69	11.057	11.057 (1.270)		227536	50.0000	52.6	
\$ 45 1,2-Dichloroethane-D4	65	8.091	8.090 (1.006)		236109	50.0000	53.1	
46 Tertiary-amyl methyl ether	73	8.084	8.076 (1.005)		452443	50.0000	52.9	
47 1,2-Dichloroethane	62	8.176	8.177 (0.939)		362702	50.0000	47.6	
48 Trichloroethene	95	8.648	8.648 (0.993)		230048	50.0000	47.2	
* 49 1,4-Difluorobenzene	114	8.705	8.698 (1.000)		568391	50.0000		
50 Dibromomethane	93	9.163	9.163 (1.053)		130426	50.0000	45.9	
51 1,2-Dichloropropane	63	9.284	9.284 (1.067)		200054	50.0000	47.6	
52 Bromodichloromethane	83	9.370	9.370 (1.076)		330644	50.0000	52.3	
53 cis-1,3-dichloropropene	75	10.114	10.106 (1.162)		349974	50.0000	51.6	
54 1,4-Dioxane	88	9.613	9.606 (1.104)		32563	1000.00	491	
\$ 55 Toluene-D8	98	10.321	10.321 (1.186)		535672	50.0000	51.4	
56 2-Chloroethylvinylether	63	10.049	10.049 (1.154)		11869	50.0000	113	
57 Toluene	92	10.378	10.378 (1.192)		496286	50.0000	47.8	
58 4-methyl-2-pentanone	43	10.828	10.828 (1.244)		954989	250.000	263	
59 Tetrachloroethene	164	10.821	10.821 (0.887)		157346	50.0000	43.3	
60 trans-1,3-Dichloropropene	75	10.871	10.871 (1.249)		328501	50.0000	51.7	
61 1,1,2-Trichloroethane	83	11.057	11.057 (1.270)		156414	50.0000	49.1	
62 Dibromochloromethane	129	11.272	11.264 (0.924)		225467	50.0000	46.3	
63 1,3-Dichloropropane	76	11.386	11.379 (0.934)		344965	50.0000	47.4	
64 1,2-Dibromoethane	107	11.550	11.550 (1.327)		200457	50.0000	48.3	
65 2-Hexanone	43	11.836	11.836 (0.971)		716379	250.000	255	
* 66 Chlorobenzene-D5	117	12.194	12.187 (1.000)		568688	50.0000		
67 Chlorobenzene	112	12.215	12.208 (1.002)		529980	50.0000	45.6	
152 1-Chlorohexane	91	12.186	12.179 (0.999)		308545	50.0000	46.1	
68 Ethylbenzene	106	12.244	12.244 (1.004)		311883	50.0000	47.3	
69 1,1,1,2-Tetrachloroethane	131	12.294	12.294 (1.008)		218497	50.0000	49.8	
71 m+p-Xylenes	106	12.437	12.437 (1.020)		727584	100.000	94.6	
72 o-Xylene	106	13.009	13.001 (1.067)		343378	50.0000	48.9	
73 Styrene	104	13.080	13.080 (1.073)		624091	50.0000	49.7	
74 Bromoform	173	13.116	13.116 (1.076)		138174	50.0000	44.6	
75 Isopropylbenzene	105	13.437	13.437 (0.866)		1008159	50.0000	48.5	
\$ 76 P-Bromofluorobenzene	95	13.838	13.838 (1.590)		264435	50.0000	48.2	
77 cis-1,4-Dichloro-2-Butene	53	13.938	13.938 (0.898)		106427	50.0000	47.4	
78 trans-1,4-Dichloro-2-Butene	53	14.402	14.395 (0.928)		85121	50.0000	46.8	
79 Bromobenzene	156	13.988	13.981 (0.901)		235806	50.0000	46.5	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
80 N-Propylbenzene	91	14.031	14.024	(0.904)	1221372	50.0000	48.2	
81 1,1,2,2-Tetrachloroethane	83	14.138	14.131	(0.911)	271347	50.0000	46.6	
82 1,3,5-Trimethylbenzene	105	14.317	14.317	(0.923)	937049	50.0000	47.5	
83 2-Chlorotoluene	91	14.252	14.252	(0.918)	774133	50.0000	46.6	
84 1,2,3-Trichloropropane	75	14.331	14.331	(0.924)	238624	50.0000	46.0	
85 4-Chlorotoluene	91	14.502	14.502	(0.935)	805865	50.0000	47.8	
86 tert-Butylbenzene	119	14.796	14.788	(0.953)	828379	50.0000	47.8	
87 Pentachloroethane	117	14.824	14.824	(0.955)	176950	50.0000	49.6	
88 1,2,4-Trimethylbenzene	105	14.903	14.903	(0.960)	936417	50.0000	48.4	
89 P-Isopropyltoluene	119	15.296	15.296	(0.986)	898577	50.0000	47.7	
90 1,3-Dichlorobenzene	146	15.403	15.396	(0.993)	410687	50.0000	44.9	
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	353333	50.0000		
92 1,4-Dichlorobenzene	146	15.539	15.539	(1.001)	439962	50.0000	44.2	
93 N-Butylbenzene	91	15.968	15.968	(1.029)	973923	50.0000	49.0	
94 sec-Butylbenzene	105	15.067	15.067	(0.971)	1079241	50.0000	46.8	
95 1,2-Dichlorobenzene	146	16.218	16.218	(1.045)	379249	50.0000	45.8	
96 1,2-Dibromo-3-Chloropropane	75	17.569	17.562	(1.132)	49929	50.0000	42.4	
97 1,3,5-Trichlorobenzene	180	17.619	17.619	(1.135)	288012	50.0000	45.8	
98 Hexachlorobutadiene	225	18.727	18.720	(1.207)	138072	50.0000	43.7	
99 1,2,4-Trichlorobenzene	180	18.763	18.763	(1.209)	217805	50.0000	43.7	
100 1,2,3-Trimethylbenzene	105	15.582	15.582	(1.004)	845895	50.0000	46.6	
101 Naphthalene	128	19.349	19.349	(1.247)	431375	50.0000	42.7	
102 1,2,3-Trichlorobenzene	180	19.685	19.685	(1.269)	139451	50.0000	43.2	
103 Methyl Acetate	43	4.974	4.967	(0.619)	173738	50.0000	52.1	
104 Methylcyclohexane	83	8.627	8.627	(1.073)	351694	50.0000	49.5	

Data File: \\target_server\gs\chem\gms-c.i\CD041415.b\CD2274.D
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 Sample Info: M0461195-4,SI12204
 Purge Volume: 5.0
 Column phase: RTX-VHS

Instrument: gms-c.i
 Operator: EHE
 Column diameter: 0.18



Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab ID : WG161248-4

Analytical Date: 04/15/15 09:22

Lab File ID : C2298.D

Instrument ID: GCMS-C

Initial Calibration Date(s): 04/08/15 10:49 04/08/15 14:06

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
1 Dichlorodifluoromethane	0.86867	0.91538	0.91538	0.010	5.37762	20.00000	Averaged
2 Chloromethane	1.13858	0.96963	0.96963	0.100	-14.83842	20.00000	Averaged
3 Vinyl chloride	0.83768	0.88488	0.88488	0.010	5.63416	20.00000	Averaged
4 Bromomethane	50.00000	26.51742	0.22539	0.010	-46.96515	20.00000	Linear *
5 Chloroethane	50.00000	57.08078	0.37542	0.010	14.16155	20.00000	Linear
6 Trichlorofluoromethane	1.01121	1.08060	1.08060	0.010	6.86288	20.00000	Averaged
9 1,1-Dichloroethene	0.58858	0.52167	0.52167	0.100	-11.36796	20.00000	Averaged
10 Carbon Disulfide	1.67321	1.49130	1.49130	0.010	-10.87186	20.00000	Averaged
11 Freon-113	0.40426	0.37602	0.37602	0.010	-6.98637	20.00000	Averaged
14 Methylene Chloride	50.00000	48.59147	0.67195	0.010	-2.81706	20.00000	Linear
15 Acetone	0.21212	0.22422	0.22422	0.010	5.70324	20.00000	Averaged
17 trans-1,2-Dichloroethene	0.66441	0.61042	0.61042	0.010	-8.12524	20.00000	Averaged
19 Methyl tert-butyl ether	1.47337	1.52692	1.52692	0.010	3.63481	20.00000	Averaged
25 1,1-Dichloroethane	1.28901	1.26116	1.26116	0.100	-2.16076	20.00000	Averaged
29 cis-1,2-Dichloroethene	0.68555	0.66017	0.66017	0.010	-3.70206	20.00000	Averaged
33 Bromochloromethane	0.27459	0.26773	0.26773	0.010	-2.49588	20.00000	Averaged
34 Chloroform	1.33905	1.32466	1.32466	0.010	-1.07507	20.00000	Averaged
35 Carbon Tetrachloride	0.47383	0.53037	0.53037	0.010	11.93225	20.00000	Averaged
38 1,1,1-Trichloroethane	1.26580	1.22175	1.22175	0.010	-3.48022	20.00000	Averaged
40 2-Butanone	250	267	0.30728	0.010	6.73421	20.00000	Linear
41 Benzene	1.40893	1.38168	1.38168	0.010	-1.93379	20.00000	Averaged
43 Cyclohexane	1.09404	1.05744	1.05744	0.010	-3.34559	20.00000	Averaged
47 1,2-Dichloroethane	0.66962	0.64681	0.64681	0.010	-3.40599	20.00000	Averaged
48 Trichloroethene	0.42876	0.40087	0.40087	0.010	-6.50573	20.00000	Averaged
51 1,2-Dichloropropane	0.36962	0.36447	0.36447	0.010	-1.39546	20.00000	Averaged
52 Bromodichloromethane	0.55630	0.59147	0.59147	0.010	6.32288	20.00000	Averaged
53 cis-1,3-dichloropropene	0.59624	0.64024	0.64024	0.010	7.37999	20.00000	Averaged
54 1,4-Dioxane	0.00583	0.00376	0.00376	0.001	-35.58900	20.00000	Averaged *
57 Toluene	0.91253	0.91702	0.91702	0.010	0.49191	20.00000	Averaged
58 4-methyl-2-pentanone	0.31916	0.34757	0.34757	0.010	8.90091	20.00000	Averaged
59 Tetrachloroethene	0.31918	0.28422	0.28422	0.010	-10.95372	20.00000	Averaged
60 trans-1,3-Dichloropropene	0.55910	0.58325	0.58325	0.010	4.31997	20.00000	Averaged
61 1,1,2-Trichloroethane	0.28039	0.27288	0.27288	0.010	-2.67713	20.00000	Averaged
62 Dibromochloromethane	50.00000	46.15808	0.39535	0.010	-7.68385	20.00000	Linear
64 1,2-Dibromoethane	0.36481	0.36063	0.36063	0.010	-1.14511	20.00000	Averaged
65 2-Hexanone	250	269	0.26525	0.010	7.47125	20.00000	Linear
67 Chlorobenzene	1.02292	0.94919	0.94919	0.300	-7.20845	20.00000	Averaged
68 Ethylbenzene	0.58013	0.55467	0.55467	0.010	-4.38881	20.00000	Averaged
71 m+p-Xylenes	0.67653	0.65607	0.65607	0.010	-3.02365	20.00000	Averaged
72 o-Xylene	0.61786	0.61852	0.61852	0.010	0.10670	20.00000	Averaged
73 Styrene	1.10431	1.12813	1.12813	0.010	2.15725	20.00000	Averaged

Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab ID : WG161248-4

Analytical Date: 04/15/15 09:22

Lab File ID : C2298.D

Instrument ID: GCMS-C

Initial Calibration Date(s): 04/08/15 10:49 04/08/15 14:06

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
74 Bromoform	50.00000	45.24528	0.24626	0.100	-9.50945	20.00000	Linear
75 Isopropylbenzene	2.93872	2.91517	2.91517	0.010	-0.80115	20.00000	Averaged
80 N-Propylbenzene	3.58545	3.59331	3.59331	0.010	0.21906	20.00000	Averaged
81 1,1,2,2-Tetrachloroethane	0.82312	0.79488	0.79488	0.300	-3.43086	20.00000	Averaged
82 1,3,5-Trimethylbenzene	2.79357	2.80247	2.80247	0.010	0.31837	20.00000	Averaged
85 4-Chlorotoluene	2.38571	2.33804	2.33804	0.010	-1.99824	20.00000	Averaged
86 tert-Butylbenzene	2.44956	2.42321	2.42321	0.010	-1.07586	20.00000	Averaged
88 1,2,4-Trimethylbenzene	2.73728	2.73006	2.73006	0.010	-0.26382	20.00000	Averaged
89 P-Isopropyltoluene	2.66668	2.63179	2.63179	0.010	-1.30828	20.00000	Averaged
90 1,3-Dichlorobenzene	1.29548	1.20728	1.20728	0.010	-6.80853	20.00000	Averaged
92 1,4-Dichlorobenzene	1.40837	1.30662	1.30662	0.010	-7.22436	20.00000	Averaged
93 N-Butylbenzene	50.00000	51.14011	2.86642	0.010	2.28021	20.00000	Linear
94 sec-Butylbenzene	3.26552	3.17352	3.17352	0.010	-2.81738	20.00000	Averaged
95 1,2-Dichlorobenzene	1.17230	1.10549	1.10549	0.010	-5.69918	20.00000	Averaged
96 1,2-Dibromo-3-Chloropropane	50.00000	46.08390	0.15421	0.010	-7.83220	20.00000	Linear
99 1,2,4-Trichlorobenzene	50.00000	46.19168	0.65191	0.010	-7.61664	20.00000	Linear
101 Naphthalene	50.00000	48.12918	1.38344	0.010	-3.74165	20.00000	Linear
102 1,2,3-Trichlorobenzene	50.00000	47.15375	0.43113	0.010	-5.69249	20.00000	Linear
103 Methyl Acetate	0.50308	0.51058	0.51058	0.010	1.49101	20.00000	Averaged
104 Methylcyclohexane	1.07317	1.08191	1.08191	0.010	0.81430	20.00000	Averaged
37 Dibromofluoromethane	0.50159	0.47654	0.47654	0.010	-4.99429	20.00000	Averaged
45 1,2-Dichloroethane-D4	0.67111	0.67824	0.67824	0.010	1.06273	20.00000	Averaged
55 Toluene-D8	0.91692	0.98031	0.98031	0.010	6.91402	20.00000	Averaged
76 P-Bromofluorobenzene	0.48246	0.46651	0.46651	0.010	-3.30510	20.00000	Averaged

* = Compound out of QC criteria

Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2298.D
Report Date: 22-Apr-2015 15:19

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041515.b\C2298.D
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Operator : EME Inst ID: gcms-c.i
Smp Info : WG161248-4, SI2201
Misc Info : WG161248, WG160924-4, SI2201-2
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Method : \\target_server\gg\chem\gcms-c.i\C041515.b\C826A36.m
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Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW82600LM-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

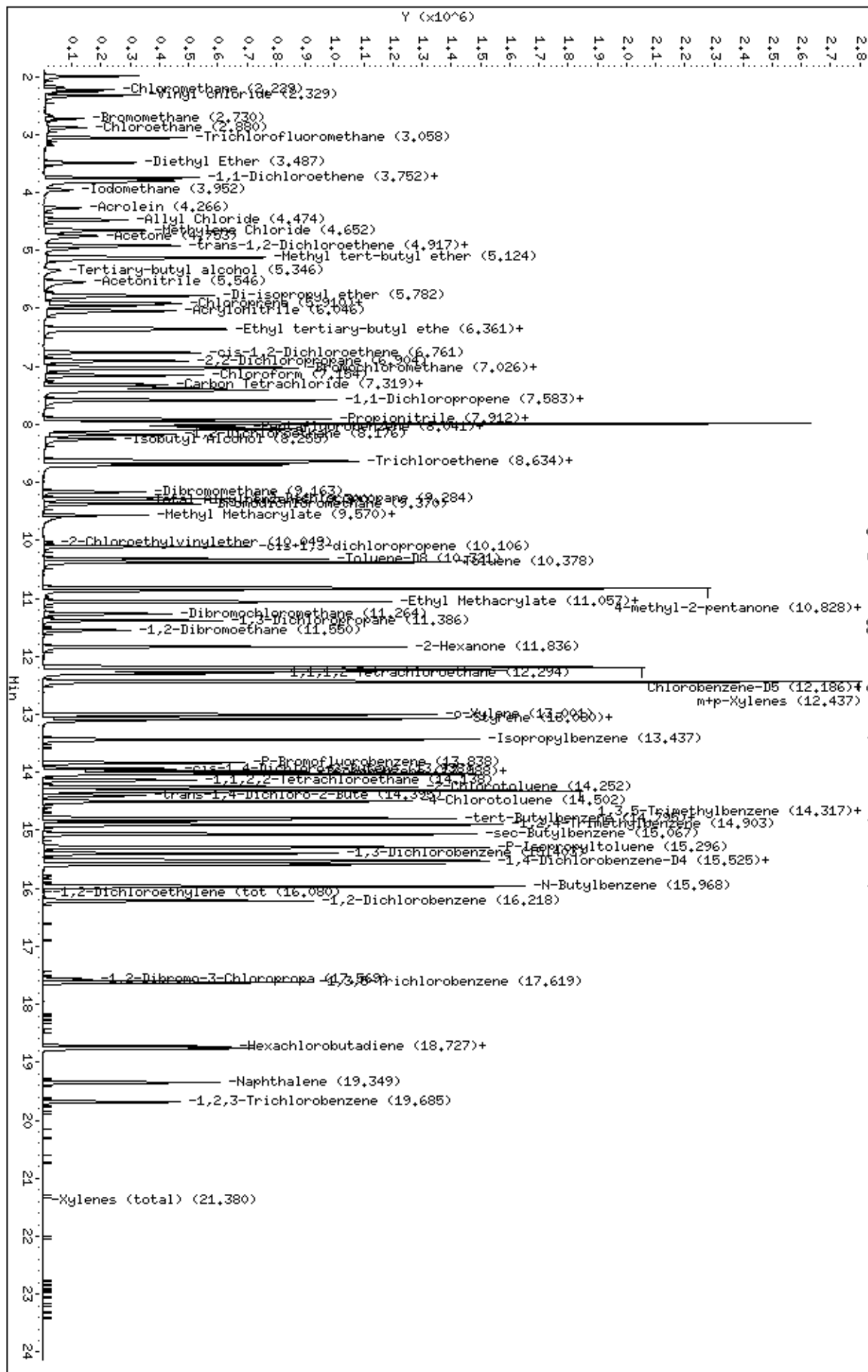
Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====		=====	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.993	1.986 (0.248)		311398	50.0000	52.7	
2 Chloromethane	50		2.229	2.229 (0.277)		329852	50.0000	42.6	
3 Vinyl chloride	62		2.329	2.322 (0.290)		301021	50.0000	52.8	
4 Bromomethane	94		2.729	2.730 (0.339)		76675	50.0000	26.5	
5 Chloroethane	64		2.879	2.880 (0.358)		127710	50.0000	57.1	
6 Trichlorofluoromethane	101		3.058	3.051 (0.380)		367603	50.0000	53.4	
7 Diethyl Ether	59		3.487	3.487 (0.434)		184774	50.0000	47.5	
8 Tertiary-butyl alcohol	59		5.345	5.353 (0.665)		108322	250.000	237	
9 1,1-Dichloroethene	96		3.751	3.745 (0.467)		177462	50.0000	44.3	
10 Carbon Disulfide	76		3.787	3.780 (0.471)		507316	50.0000	44.6	
11 Freon-113	151		3.816	3.809 (0.475)		127916	50.0000	46.5	
12 Iodomethane	142		3.951	3.952 (0.491)		140694	50.0000	31.0	
13 Acrolein	56		4.266	4.267 (0.531)		138542	250.000	229	
14 Methylene Chloride	84		4.652	4.645 (0.579)		228586	50.0000	48.6	
15 Acetone	43		4.752	4.753 (0.591)		381371	250.000	264	
16 Isobutyl Alcohol	43		8.255	8.255 (1.027)		171039	1000.00	1030	
17 trans-1,2-Dichloroethene	96		4.916	4.917 (0.612)		207656	50.0000	45.9	
18 Allyl Chloride	41		4.473	4.474 (0.556)		221869	50.0000	51.5	
19 Methyl tert-butyl ether	73		5.124	5.124 (0.637)		1038865	100.000	104	
20 Acetonitrile	39		5.545	5.546 (0.690)		57407	500.000	507	
21 Di-isopropyl ether	45		5.781	5.782 (0.719)		660090	50.0000	51.9	
22 Chloroprene	53		5.910	5.911 (0.735)		347822	50.0000	52.3	
23 Propionitrile	54		7.969	7.962 (0.991)		357884	500.000	524	
24 Methacrylonitrile	41		7.990	7.984 (0.994)		1274776	500.000	518	

						AMOUNTS		
		QUANT	SIG			CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/l)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.946	5.946	(0.740)	429025	50.0000	48.9	
26 Acrylonitrile	52	6.046	6.039	(0.752)	386265	250.000	252	
27 Ethyl tertiary-butyl ether	59	6.353	6.347	(0.790)	606670	50.0000	52.8	
28 Vinyl Acetate	43	6.367	6.368	(0.732)	501451	50.0000	53.9	
29 cis-1,2-Dichloroethene	96	6.761	6.761	(0.841)	224580	50.0000	48.1	
31 Methyl Methacrylate	41	9.570	9.563	(1.100)	170664	50.0000	50.4	
32 2,2-Dichloropropane	77	6.904	6.904	(0.859)	384909	50.0000	52.7	
33 Bromochloromethane	128	7.039	7.033	(0.876)	91078	50.0000	48.8	
34 Chloroform	83	7.154	7.154	(0.890)	450626	50.0000	49.5	
35 Carbon Tetrachloride	117	7.318	7.312	(0.841)	304757	50.0000	56.0	
36 Tetrahydrofuran	42	7.361	7.362	(0.916)	324986	250.000	263	
\$ 37 Dibromofluoromethane	113	7.397	7.405	(0.920)	162112	50.0000	47.5	
38 1,1,1-Trichloroethane	97	7.411	7.412	(0.922)	415618	50.0000	48.2	
39 1,1-Dichloropropene	75	7.583	7.583	(0.872)	322389	50.0000	50.0	
40 2-Butanone	43	7.583	7.583	(0.943)	522660	250.000	267	
41 Benzene	78	7.911	7.905	(0.910)	793929	50.0000	49.0	
* 42 Pentafluorobenzene	168	8.040	8.041	(1.000)	340183	50.0000		
43 Cyclohexane	56	7.018	7.019	(0.873)	359723	50.0000	48.3	
44 Ethyl Methacrylate	69	11.057	11.057	(1.271)	238939	50.0000	54.6	
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090	(1.006)	230726	50.0000	50.5	
46 Tertiary-amyl methyl ether	73	8.076	8.076	(1.004)	459319	50.0000	52.3	
47 1,2-Dichloroethane	62	8.176	8.177	(0.940)	371663	50.0000	48.3	
48 Trichloroethene	95	8.648	8.648	(0.994)	230344	50.0000	46.7	
* 49 1,4-Difluorobenzene	114	8.698	8.698	(1.000)	574610	50.0000		
50 Dibromomethane	93	9.162	9.163	(1.053)	137528	50.0000	47.9	
51 1,2-Dichloropropane	63	9.284	9.284	(1.067)	209426	50.0000	49.3	
52 Bromodichloromethane	83	9.370	9.370	(1.077)	339867	50.0000	53.2	
53 cis-1,3-dichloropropene	75	10.106	10.106	(1.162)	367887	50.0000	53.7	
54 1,4-Dioxane	88	9.613	9.606	(1.105)	43186	1000.00	644	
\$ 55 Toluene-D8	98	10.320	10.321	(1.187)	563297	50.0000	53.4	
56 2-Chloroethylvinylether	63	10.049	10.049	(1.155)	11729	50.0000	110	
57 Toluene	92	10.378	10.378	(1.193)	526928	50.0000	50.2	
58 4-methyl-2-pentanone	43	10.828	10.828	(1.245)	998589	250.000	272	
59 Tetrachloroethene	164	10.821	10.821	(0.887)	165487	50.0000	44.5	
60 trans-1,3-Dichloropropene	75	10.871	10.871	(1.250)	335141	50.0000	52.2	
61 1,1,2-Trichloroethane	83	11.057	11.057	(1.271)	156799	50.0000	48.7	
62 Dibromochloromethane	129	11.271	11.264	(0.924)	230190	50.0000	46.2	
63 1,3-Dichloropropane	76	11.385	11.379	(0.934)	357667	50.0000	48.0	
64 1,2-Dibromoethane	107	11.550	11.550	(1.328)	207224	50.0000	49.4	
65 2-Hexanone	43	11.836	11.836	(0.971)	772218	250.000	269	
* 66 Chlorobenzene-D5	117	12.193	12.187	(1.000)	582249	50.0000		
67 Chlorobenzene	112	12.215	12.208	(1.002)	552663	50.0000	46.4	
152 1-Chlorohexane	91	12.179	12.179	(0.999)	326640	50.0000	47.7	
68 Ethylbenzene	106	12.243	12.244	(1.004)	322954	50.0000	47.8	
69 1,1,1,2-Tetrachloroethane	131	12.293	12.294	(1.008)	228646	50.0000	50.9	
71 m+p-Xylenes	106	12.436	12.437	(1.020)	763998	100.000	97.0	
72 o-Xylene	106	13.008	13.001	(1.067)	360134	50.0000	50.0	
73 Styrene	104	13.079	13.080	(1.073)	656852	50.0000	51.1	
74 Bromoform	173	13.115	13.116	(1.076)	143384	50.0000	45.2	
75 Isopropylbenzene	105	13.437	13.437	(0.866)	1039930	50.0000	49.6	
\$ 76 P-Bromofluorobenzene	95	13.837	13.838	(1.591)	268063	50.0000	48.3	
77 cis-1,4-Dichloro-2-Butene	53	13.937	13.938	(0.898)	110926	50.0000	48.9	
78 trans-1,4-Dichloro-2-Butene	53	14.395	14.395	(0.928)	87557	50.0000	47.7	
79 Bromobenzene	156	13.987	13.981	(0.901)	248404	50.0000	48.5	

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
80 N-Propylbenzene	91	14.023	14.024	(0.904)	1281841	50.0000	50.1		
81 1,1,2,2-Tetrachloroethane	83	14.137	14.131	(0.911)	283557	50.0000	48.3		
82 1,3,5-Trimethylbenzene	105	14.316	14.317	(0.923)	999724	50.0000	50.2		
83 2-Chlorotoluene	91	14.252	14.252	(0.918)	821408	50.0000	48.9		
84 1,2,3-Trichloropropane	75	14.330	14.331	(0.924)	249209	50.0000	47.5		
85 4-Chlorotoluene	91	14.502	14.502	(0.935)	834049	50.0000	49.0		
86 tert-Butylbenzene	119	14.795	14.788	(0.953)	864432	50.0000	49.5		
87 Pentachloroethane	117	14.824	14.824	(0.955)	185887	50.0000	51.6		
88 1,2,4-Trimethylbenzene	105	14.902	14.903	(0.960)	973895	50.0000	49.9		
89 P-Isopropyltoluene	119	15.295	15.296	(0.986)	938838	50.0000	49.3		
90 1,3-Dichlorobenzene	146	15.403	15.396	(0.993)	430672	50.0000	46.6		
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	356730	50.0000			
92 1,4-Dichlorobenzene	146	15.546	15.539	(1.002)	466111	50.0000	46.4		
93 N-Butylbenzene	91	15.967	15.968	(1.029)	1022539	50.0000	51.1		
94 sec-Butylbenzene	105	15.067	15.067	(0.971)	1132089	50.0000	48.6		
95 1,2-Dichlorobenzene	146	16.217	16.218	(1.045)	394360	50.0000	47.2		
96 1,2-Dibromo-3-Chloropropane	75	17.568	17.562	(1.132)	55012	50.0000	46.1		
97 1,3,5-Trichlorobenzene	180	17.618	17.619	(1.135)	301256	50.0000	47.5		
98 Hexachlorobutadiene	225	18.726	18.720	(1.207)	141682	50.0000	44.4		
99 1,2,4-Trichlorobenzene	180	18.762	18.763	(1.209)	232556	50.0000	46.2		
100 1,2,3-Trimethylbenzene	105	15.581	15.582	(1.004)	886142	50.0000	48.4		
101 Naphthalene	128	19.348	19.349	(1.247)	493516	50.0000	48.1		
102 1,2,3-Trichlorobenzene	180	19.684	19.685	(1.269)	153798	50.0000	47.2		
103 Methyl Acetate	43	4.974	4.967	(0.619)	173690	50.0000	50.7		
104 Methylcyclohexane	83	8.626	8.627	(1.073)	368046	50.0000	50.4		

Data File: \\target_server\gs\chem\gms-c.i\CD041515.b\CD2298.D
 Date : 15-APR-2015 09:22
 Client ID: Continuing Calibrati
 Sample Info: M04161248-4,SI12201
 Purge Volume: 5.0
 Column phase: RTX-VHS

Instrument: gms-c.i
 Operator: EHE
 Column diameter: 0.18



Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab ID : WG161286-4

Analytical Date: 04/16/15 08:44

Lab File ID : C2332.D

Instrument ID: GCMS-C

Initial Calibration Date(s): 04/08/15 10:49 04/08/15 14:06

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
1 Dichlorodifluoromethane	0.86867	0.89318	0.89318	0.010	2.82196	20.00000	Averaged
2 Chloromethane	1.13858	0.95224	0.95224	0.100	-16.36601	20.00000	Averaged
3 Vinyl chloride	0.83768	0.84459	0.84459	0.010	0.82429	20.00000	Averaged
4 Bromomethane	50.00000	35.59653	0.30066	0.010	-28.80695	20.00000	Linear *
5 Chloroethane	50.00000	59.38166	0.38963	0.010	18.76332	20.00000	Linear
6 Trichlorofluoromethane	1.01121	1.09607	1.09607	0.010	8.39244	20.00000	Averaged
9 1,1-Dichloroethene	0.58858	0.51068	0.51068	0.100	-13.23505	20.00000	Averaged
10 Carbon Disulfide	1.67321	1.46059	1.46059	0.010	-12.70749	20.00000	Averaged
11 Freon-113	0.40426	0.36193	0.36193	0.010	-10.47302	20.00000	Averaged
14 Methylene Chloride	50.00000	47.01757	0.65055	0.010	-5.96486	20.00000	Linear
15 Acetone	0.21212	0.21877	0.21877	0.010	3.13514	20.00000	Averaged
17 trans-1,2-Dichloroethene	0.66441	0.60379	0.60379	0.010	-9.12402	20.00000	Averaged
19 Methyl tert-butyl ether	1.47337	1.47192	1.47192	0.010	-0.09823	20.00000	Averaged
25 1,1-Dichloroethane	1.28901	1.27246	1.27246	0.100	-1.28420	20.00000	Averaged
29 cis-1,2-Dichloroethene	0.68555	0.64396	0.64396	0.010	-6.06781	20.00000	Averaged
33 Bromochloromethane	0.27459	0.25613	0.25613	0.010	-6.72054	20.00000	Averaged
34 Chloroform	1.33905	1.31635	1.31635	0.010	-1.69528	20.00000	Averaged
35 Carbon Tetrachloride	0.47383	0.53685	0.53685	0.010	13.29915	20.00000	Averaged
38 1,1,1-Trichloroethane	1.26580	1.24342	1.24342	0.010	-1.76850	20.00000	Averaged
40 2-Butanone	250	263	0.30245	0.010	5.01460	20.00000	Linear
41 Benzene	1.40893	1.33526	1.33526	0.010	-5.22853	20.00000	Averaged
43 Cyclohexane	1.09404	1.08757	1.08757	0.010	-0.59174	20.00000	Averaged
47 1,2-Dichloroethane	0.66962	0.62060	0.62060	0.010	-7.32025	20.00000	Averaged
48 Trichloroethene	0.42876	0.38891	0.38891	0.010	-9.29541	20.00000	Averaged
51 1,2-Dichloropropane	0.36962	0.35005	0.35005	0.010	-5.29470	20.00000	Averaged
52 Bromodichloromethane	0.55630	0.57119	0.57119	0.010	2.67688	20.00000	Averaged
53 cis-1,3-dichloropropene	0.59624	0.62548	0.62548	0.010	4.90481	20.00000	Averaged
54 1,4-Dioxane	0.00583	0.00372	0.00372	0.001	-36.27963	20.00000	Averaged *
57 Toluene	0.91253	0.89064	0.89064	0.010	-2.39891	20.00000	Averaged
58 4-methyl-2-pentanone	0.31916	0.34158	0.34158	0.010	7.02508	20.00000	Averaged
59 Tetrachloroethene	0.31918	0.28427	0.28427	0.010	-10.93856	20.00000	Averaged
60 trans-1,3-Dichloropropene	0.55910	0.58012	0.58012	0.010	3.75947	20.00000	Averaged
61 1,1,2-Trichloroethane	0.28039	0.27425	0.27425	0.010	-2.18901	20.00000	Averaged
62 Dibromochloromethane	50.00000	44.45507	0.38048	0.010	-11.08986	20.00000	Linear
64 1,2-Dibromoethane	0.36481	0.34746	0.34746	0.010	-4.75569	20.00000	Averaged
65 2-Hexanone	250	260	0.25677	0.010	3.90114	20.00000	Linear
67 Chlorobenzene	1.02292	0.95800	0.95800	0.300	-6.34729	20.00000	Averaged
68 Ethylbenzene	0.58013	0.54187	0.54187	0.010	-6.59381	20.00000	Averaged
71 m+p-Xylenes	0.67653	0.64652	0.64652	0.010	-4.43551	20.00000	Averaged
72 o-Xylene	0.61786	0.61229	0.61229	0.010	-0.90220	20.00000	Averaged
73 Styrene	1.10431	1.10627	1.10627	0.010	0.17736	20.00000	Averaged

Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab ID : WG161286-4

Analytical Date: 04/16/15 08:44

Lab File ID : C2332.D

Instrument ID: GCMS-C

Initial Calibration Date(s): 04/08/15 10:49 04/08/15 14:06

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
74 Bromoform	50.00000	44.28005	0.24086	0.100	-11.43989	20.00000	Linear
75 Isopropylbenzene	2.93872	2.83925	2.83925	0.010	-3.38468	20.00000	Averaged
80 N-Propylbenzene	3.58545	3.47676	3.47676	0.010	-3.03160	20.00000	Averaged
81 1,1,2,2-Tetrachloroethane	0.82312	0.76488	0.76488	0.300	-7.07538	20.00000	Averaged
82 1,3,5-Trimethylbenzene	2.79357	2.66262	2.66262	0.010	-4.68749	20.00000	Averaged
85 4-Chlorotoluene	2.38571	2.27330	2.27330	0.010	-4.71203	20.00000	Averaged
86 tert-Butylbenzene	2.44956	2.36440	2.36440	0.010	-3.47673	20.00000	Averaged
88 1,2,4-Trimethylbenzene	2.73728	2.62797	2.62797	0.010	-3.99354	20.00000	Averaged
89 P-Isopropyltoluene	2.66668	2.55252	2.55252	0.010	-4.28080	20.00000	Averaged
90 1,3-Dichlorobenzene	1.29548	1.18501	1.18501	0.010	-8.52737	20.00000	Averaged
92 1,4-Dichlorobenzene	1.40837	1.24547	1.24547	0.010	-11.56625	20.00000	Averaged
93 N-Butylbenzene	50.00000	49.31588	2.77000	0.010	-1.36824	20.00000	Linear
94 sec-Butylbenzene	3.26552	3.09686	3.09686	0.010	-5.16495	20.00000	Averaged
95 1,2-Dichlorobenzene	1.17230	1.05050	1.05050	0.010	-10.38999	20.00000	Averaged
96 1,2-Dibromo-3-Chloropropane	50.00000	44.26135	0.14790	0.010	-11.47730	20.00000	Linear
99 1,2,4-Trichlorobenzene	50.00000	42.43663	0.59891	0.010	-15.12673	20.00000	Linear
101 Naphthalene	50.00000	43.54402	1.24652	0.010	-12.91197	20.00000	Linear
102 1,2,3-Trichlorobenzene	50.00000	43.28598	0.39575	0.010	-13.42804	20.00000	Linear
103 Methyl Acetate	0.50308	0.53917	0.53917	0.010	7.17502	20.00000	Averaged
104 Methylcyclohexane	1.07317	1.07984	1.07984	0.010	0.62221	20.00000	Averaged
37 Dibromofluoromethane	0.50159	0.47093	0.47093	0.010	-6.11322	20.00000	Averaged
45 1,2-Dichloroethane-D4	0.67111	0.65545	0.65545	0.010	-2.33297	20.00000	Averaged
55 Toluene-D8	0.91692	0.94880	0.94880	0.010	3.47740	20.00000	Averaged
76 P-Bromofluorobenzene	0.48246	0.45769	0.45769	0.010	-5.13453	20.00000	Averaged

* = Compound out of QC criteria

Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2332.D
Report Date: 22-Apr-2015 16:06

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041615.b\C2332.D
Lab Smp Id: WG161286-4 Client Smp ID: ontinuing Calibrati
Inj Date : 16-APR-2015 08:44 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG161286-4, SI2201
Misc Info : WG161286, WG160924-4, SI2201-14
Comment : SW846 5030
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Meth Date : 22-Apr-2015 15:23 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW82600LM-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====		=====	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.993	1.986 (0.248)		311780	50.0000	51.4	
2 Chloromethane	50		2.236	2.229 (0.278)		332394	50.0000	41.8	
3 Vinyl chloride	62		2.328	2.322 (0.290)		294817	50.0000	50.4	
4 Bromomethane	94		2.729	2.730 (0.339)		104950	50.0000	35.6	
5 Chloroethane	64		2.879	2.880 (0.358)		136005	50.0000	59.4	
6 Trichlorofluoromethane	101		3.058	3.051 (0.380)		382601	50.0000	54.2	
7 Diethyl Ether	59		3.486	3.487 (0.434)		180368	50.0000	45.2	
8 Tertiary-butyl alcohol	59		5.345	5.353 (0.665)		110054	250.000	234	
9 1,1-Dichloroethene	96		3.751	3.745 (0.467)		178260	50.0000	43.4	
10 Carbon Disulfide	76		3.780	3.780 (0.470)		509842	50.0000	43.6	
11 Freon-113	151		3.808	3.809 (0.474)		126336	50.0000	44.8	
12 Iodomethane	142		3.951	3.952 (0.491)		136137	50.0000	29.2	
13 Acrolein	56		4.266	4.267 (0.531)		149415	250.000	241	
14 Methylene Chloride	84		4.652	4.645 (0.579)		227086	50.0000	47.0	
15 Acetone	43		4.752	4.753 (0.591)		381822	250.000	258	
16 Isobutyl Alcohol	43		8.254	8.255 (1.027)		175161	1000.00	1030	
17 trans-1,2-Dichloroethene	96		4.916	4.917 (0.611)		210762	50.0000	45.4	
18 Allyl Chloride	41		4.473	4.474 (0.556)		214141	50.0000	48.4	
19 Methyl tert-butyl ether	73		5.123	5.124 (0.637)		1027594	100.000	99.9	
20 Acetonitrile	39		5.538	5.546 (0.689)		60178	500.000	518	
21 Di-isopropyl ether	45		5.781	5.782 (0.719)		663684	50.0000	50.9	
22 Chloroprene	53		5.910	5.911 (0.735)		339195	50.0000	49.7	
23 Propionitrile	54		7.961	7.962 (0.990)		361925	500.000	516	
24 Methacrylonitrile	41		7.983	7.984 (0.993)		1283228	500.000	509	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT		ON-COL
							(ug/l)		(ug/l)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
25 1,1-Dichloroethane	63	5.945	5.946	(0.740)	444172	50.0000	49.4		
26 Acrylonitrile	52	6.045	6.039	(0.752)	398507	250.000	253		
27 Ethyl tertiary-butyl ether	59	6.346	6.347	(0.789)	604920	50.0000	51.3		
28 Vinyl Acetate	43	6.367	6.368	(0.732)	505762	50.0000	52.4		
29 cis-1,2-Dichloroethene	96	6.760	6.761	(0.841)	224783	50.0000	47.0		
31 Methyl Methacrylate	41	9.569	9.563	(1.100)	164745	50.0000	46.9		
32 2,2-Dichloropropane	77	6.903	6.904	(0.859)	389308	50.0000	52.0		
33 Bromochloromethane	128	7.032	7.033	(0.875)	89407	50.0000	46.6		
34 Chloroform	83	7.153	7.154	(0.890)	459494	50.0000	49.2		
35 Carbon Tetrachloride	117	7.318	7.312	(0.841)	320270	50.0000	56.6		
36 Tetrahydrofuran	42	7.361	7.362	(0.916)	336208	250.000	266		
\$ 37 Dibromofluoromethane	113	7.404	7.405	(0.921)	164386	50.0000	46.9		
38 1,1,1-Trichloroethane	97	7.411	7.412	(0.922)	434034	50.0000	49.1		
39 1,1-Dichloropropene	75	7.582	7.583	(0.872)	323223	50.0000	48.3		
40 2-Butanone	43	7.582	7.583	(0.943)	527877	250.000	262		
41 Benzene	78	7.911	7.905	(0.910)	796583	50.0000	47.4		
* 42 Pentafluorobenzene	168	8.040	8.041	(1.000)	349066	50.0000			
43 Cyclohexane	56	7.018	7.019	(0.873)	379633	50.0000	49.7		
44 Ethyl Methacrylate	69	11.056	11.057	(1.271)	245983	50.0000	54.2		
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090	(1.006)	228796	50.0000	48.8		
46 Tertiary-amyl methyl ether	73	8.075	8.076	(1.004)	467680	50.0000	51.9		
47 1,2-Dichloroethane	62	8.176	8.177	(0.940)	370233	50.0000	46.3		
48 Trichloroethene	95	8.647	8.648	(0.994)	232013	50.0000	45.4		
* 49 1,4-Difluorobenzene	114	8.697	8.698	(1.000)	596574	50.0000			
50 Dibromomethane	93	9.162	9.163	(1.053)	137423	50.0000	46.1		
51 1,2-Dichloropropane	63	9.283	9.284	(1.067)	208833	50.0000	47.4		
52 Bromodichloromethane	83	9.369	9.370	(1.077)	340758	50.0000	51.3		
53 cis-1,3-dichloropropene	75	10.106	10.106	(1.162)	373145	50.0000	52.4		
54 1,4-Dioxane	88	9.612	9.606	(1.105)	44356	1000.00	637		
\$ 55 Toluene-D8	98	10.320	10.321	(1.187)	566030	50.0000	51.7		
56 2-Chloroethylvinylether	63	10.048	10.049	(1.155)	12736	50.0000	117		
57 Toluene	92	10.377	10.378	(1.193)	531332	50.0000	48.8		
58 4-methyl-2-pentanone	43	10.827	10.828	(1.245)	1018901	250.000	268		
59 Tetrachloroethene	164	10.820	10.821	(0.888)	171024	50.0000	44.5		
60 trans-1,3-Dichloropropene	75	10.870	10.871	(1.250)	346082	50.0000	51.9		
61 1,1,2-Trichloroethane	83	11.056	11.057	(1.271)	163609	50.0000	48.9		
62 Dibromochloromethane	129	11.263	11.264	(0.924)	228910	50.0000	44.4		
63 1,3-Dichloropropane	76	11.385	11.379	(0.934)	356115	50.0000	46.2		
64 1,2-Dibromoethane	107	11.549	11.550	(1.328)	207287	50.0000	47.6		
65 2-Hexanone	43	11.835	11.836	(0.971)	772401	250.000	260		
* 66 Chlorobenzene-D5	117	12.186	12.187	(1.000)	601628	50.0000			
67 Chlorobenzene	112	12.214	12.208	(1.002)	576357	50.0000	46.8		
152 1-Chlorohexane	91	12.178	12.179	(0.999)	323034	50.0000	45.6		
68 Ethylbenzene	106	12.243	12.244	(1.005)	326007	50.0000	46.7		
69 1,1,1,2-Tetrachloroethane	131	12.293	12.294	(1.009)	228957	50.0000	49.3		
71 m+p-Xylenes	106	12.436	12.437	(1.021)	777933	100.000	95.6		
72 o-Xylene	106	13.000	13.001	(1.067)	368370	50.0000	49.5		
73 Styrene	104	13.079	13.080	(1.073)	665560	50.0000	50.1		
74 Bromoform	173	13.115	13.116	(1.076)	144907	50.0000	44.3		
75 Isopropylbenzene	105	13.436	13.437	(0.866)	1060395	50.0000	48.3		
\$ 76 P-Bromofluorobenzene	95	13.837	13.838	(1.591)	273044	50.0000	47.4		
77 cis-1,4-Dichloro-2-Butene	53	13.937	13.938	(0.898)	113118	50.0000	47.6		
78 trans-1,4-Dichloro-2-Butene	53	14.394	14.395	(0.928)	85660	50.0000	44.6		
79 Bromobenzene	156	13.987	13.981	(0.901)	252013	50.0000	47.0		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT		ON-COL
							(ug/l)		(ug/l)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
80 N-Propylbenzene	91	14.023	14.024	(0.904)	1298489	50.0000	48.5		
81 1,1,2,2-Tetrachloroethane	83	14.137	14.131	(0.911)	285665	50.0000	46.5		
82 1,3,5-Trimethylbenzene	105	14.316	14.317	(0.923)	994429	50.0000	47.6		
83 2-Chlorotoluene	91	14.251	14.252	(0.918)	826495	50.0000	47.0		
84 1,2,3-Trichloropropane	75	14.330	14.331	(0.924)	246245	50.0000	44.9		
85 4-Chlorotoluene	91	14.502	14.502	(0.935)	849024	50.0000	47.6		
86 tert-Butylbenzene	119	14.787	14.788	(0.953)	883049	50.0000	48.3		
87 Pentachloroethane	117	14.823	14.824	(0.955)	189501	50.0000	50.2		
88 1,2,4-Trimethylbenzene	105	14.902	14.903	(0.960)	981486	50.0000	48.0		
89 P-Isopropyltoluene	119	15.295	15.296	(0.986)	953308	50.0000	47.8		
90 1,3-Dichlorobenzene	146	15.402	15.396	(0.993)	442574	50.0000	45.7		
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	373477	50.0000			
92 1,4-Dichlorobenzene	146	15.538	15.539	(1.001)	465155	50.0000	44.2		
93 N-Butylbenzene	91	15.967	15.968	(1.029)	1034530	50.0000	49.3		
94 sec-Butylbenzene	105	15.066	15.067	(0.971)	1156605	50.0000	47.4		
95 1,2-Dichlorobenzene	146	16.217	16.218	(1.045)	392336	50.0000	44.8		
96 1,2-Dibromo-3-Chloropropane	75	17.568	17.562	(1.132)	55237	50.0000	44.3		
97 1,3,5-Trichlorobenzene	180	17.618	17.619	(1.135)	298902	50.0000	45.0		
98 Hexachlorobutadiene	225	18.726	18.720	(1.207)	142712	50.0000	42.7		
99 1,2,4-Trichlorobenzene	180	18.762	18.763	(1.209)	223678	50.0000	42.4		
100 1,2,3-Trimethylbenzene	105	15.581	15.582	(1.004)	895487	50.0000	46.7		
101 Naphthalene	128	19.348	19.349	(1.247)	465545	50.0000	43.5		
102 1,2,3-Trichlorobenzene	180	19.684	19.685	(1.269)	147803	50.0000	43.3		
103 Methyl Acetate	43	4.966	4.967	(0.618)	188207	50.0000	53.6		
104 Methylcyclohexane	83	8.626	8.627	(1.073)	376937	50.0000	50.3		

Data File: \\target_server\gs\chem\gms-c.i\CD041615.b\CD2332.D

Date : 16-APR-2015 08:44

Client ID: continuing Calibrati

Sample Info: M04161286-4,SI12201

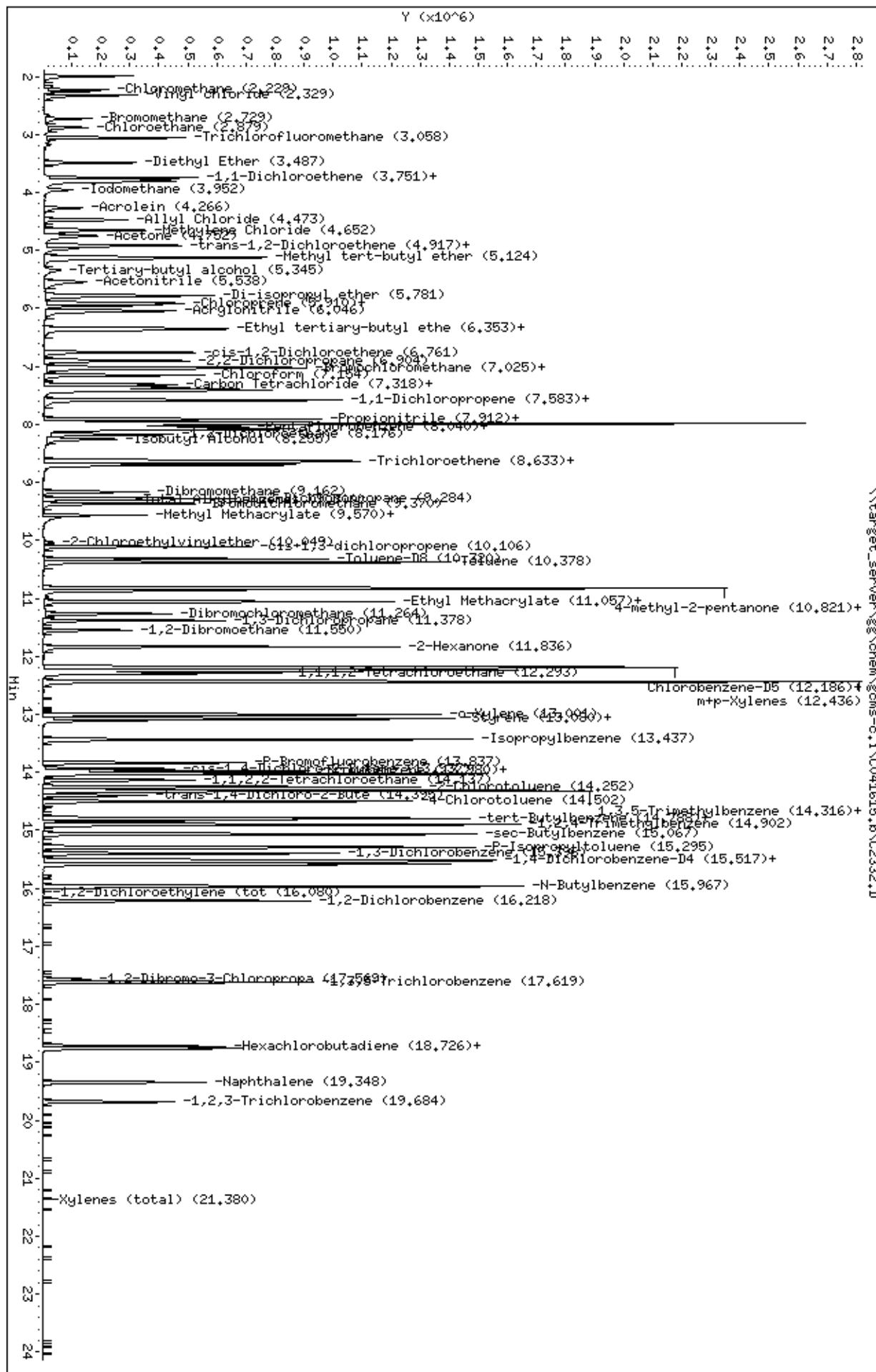
Purge Volume: 5.0

Column phase: RTX-VHS

Instrument: gms-c.i

Operator: EHE

Column diameter: 0.18



Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab ID : WG161476-4

Analytical Date: 04/20/15 10:22

Lab File ID : C2387.D

Instrument ID: GCMS-C

Initial Calibration Date(s): 04/08/15 10:49 04/08/15 14:06

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
1 Dichlorodifluoromethane	0.86867	0.94060	0.94060	0.010	8.28011	20.00000	Averaged
2 Chloromethane	1.13858	0.95175	0.95175	0.100	-16.40881	20.00000	Averaged
3 Vinyl chloride	0.83768	0.88538	0.88538	0.010	5.69330	20.00000	Averaged
4 Bromomethane	50.00000	35.50836	0.29993	0.010	-28.98328	20.00000	Linear *
5 Chloroethane	50.00000	56.68798	0.37299	0.010	13.37596	20.00000	Linear
6 Trichlorofluoromethane	1.01121	1.12440	1.12440	0.010	11.19408	20.00000	Averaged
9 1,1-Dichloroethene	0.58858	0.54756	0.54756	0.100	-6.96905	20.00000	Averaged
10 Carbon Disulfide	1.67321	1.66606	1.66606	0.010	-0.42740	20.00000	Averaged
11 Freon-113	0.40426	0.42681	0.42681	0.010	5.57762	20.00000	Averaged
14 Methylene Chloride	50.00000	50.88059	0.70307	0.010	1.76118	20.00000	Linear
15 Acetone	0.21212	0.23905	0.23905	0.010	12.69789	20.00000	Averaged
17 trans-1,2-Dichloroethene	0.66441	0.64706	0.64706	0.010	-2.61164	20.00000	Averaged
19 Methyl tert-butyl ether	1.47337	1.60914	1.60914	0.010	9.21506	20.00000	Averaged
25 1,1-Dichloroethane	1.28901	1.34293	1.34293	0.100	4.18264	20.00000	Averaged
29 cis-1,2-Dichloroethene	0.68555	0.70716	0.70716	0.010	3.15162	20.00000	Averaged
33 Bromochloromethane	0.27459	0.28231	0.28231	0.010	2.81255	20.00000	Averaged
34 Chloroform	1.33905	1.37476	1.37476	0.010	2.66669	20.00000	Averaged
35 Carbon Tetrachloride	0.47383	0.53097	0.53097	0.010	12.05746	20.00000	Averaged
38 1,1,1-Trichloroethane	1.26580	1.30336	1.30336	0.010	2.96746	20.00000	Averaged
40 2-Butanone	250	267	0.30785	0.010	6.93638	20.00000	Linear
41 Benzene	1.40893	1.40082	1.40082	0.010	-0.57523	20.00000	Averaged
43 Cyclohexane	1.09404	1.12332	1.12332	0.010	2.67609	20.00000	Averaged
47 1,2-Dichloroethane	0.66962	0.61095	0.61095	0.010	-8.76110	20.00000	Averaged
48 Trichloroethene	0.42876	0.40312	0.40312	0.010	-5.98039	20.00000	Averaged
51 1,2-Dichloropropane	0.36962	0.36682	0.36682	0.010	-0.75764	20.00000	Averaged
52 Bromodichloromethane	0.55630	0.57877	0.57877	0.010	4.03862	20.00000	Averaged
53 cis-1,3-dichloropropene	0.59624	0.63885	0.63885	0.010	7.14807	20.00000	Averaged
54 1,4-Dioxane	0.00583	0.00431	0.00431	0.001	-26.20660	20.00000	Averaged *
57 Toluene	0.91253	0.91909	0.91909	0.010	0.71867	20.00000	Averaged
58 4-methyl-2-pentanone	0.31916	0.33264	0.33264	0.010	4.22387	20.00000	Averaged
59 Tetrachloroethene	0.31918	0.28265	0.28265	0.010	-11.44513	20.00000	Averaged
60 trans-1,3-Dichloropropene	0.55910	0.58129	0.58129	0.010	3.97034	20.00000	Averaged
61 1,1,2-Trichloroethane	0.28039	0.27718	0.27718	0.010	-1.14266	20.00000	Averaged
62 Dibromochloromethane	50.00000	46.94579	0.40222	0.010	-6.10842	20.00000	Linear
64 1,2-Dibromoethane	0.36481	0.35762	0.35762	0.010	-1.97018	20.00000	Averaged
65 2-Hexanone	250	259	0.25605	0.010	3.59936	20.00000	Linear
67 Chlorobenzene	1.02292	0.96959	0.96959	0.300	-5.21366	20.00000	Averaged
68 Ethylbenzene	0.58013	0.55728	0.55728	0.010	-3.93823	20.00000	Averaged
71 m+p-Xylenes	0.67653	0.67549	0.67549	0.010	-0.15315	20.00000	Averaged
72 o-Xylene	0.61786	0.63235	0.63235	0.010	2.34465	20.00000	Averaged
73 Styrene	1.10431	1.14919	1.14919	0.010	4.06419	20.00000	Averaged

Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : Former Griffiss Air Force Base, AOC 9

SDG: SI2201

Lab ID : WG161476-4

Analytical Date: 04/20/15 10:22

Lab File ID : C2387.D

Instrument ID: GCMS-C

Initial Calibration Date(s): 04/08/15 10:49 04/08/15 14:06

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
74 Bromoform	50.00000	46.59860	0.25383	0.100	-6.80280	20.00000	Linear
75 Isopropylbenzene	2.93872	2.94257	2.94257	0.010	0.13111	20.00000	Averaged
80 N-Propylbenzene	3.58545	3.58376	3.58376	0.010	-0.04728	20.00000	Averaged
81 1,1,2,2-Tetrachloroethane	0.82312	0.78709	0.78709	0.300	-4.37682	20.00000	Averaged
82 1,3,5-Trimethylbenzene	2.79357	2.75625	2.75625	0.010	-1.33602	20.00000	Averaged
85 4-Chlorotoluene	2.38571	2.32111	2.32111	0.010	-2.70775	20.00000	Averaged
86 tert-Butylbenzene	2.44956	2.54105	2.54105	0.010	3.73475	20.00000	Averaged
88 1,2,4-Trimethylbenzene	2.73728	2.72705	2.72705	0.010	-0.37369	20.00000	Averaged
89 P-Isopropyltoluene	2.66668	2.72376	2.72376	0.010	2.14051	20.00000	Averaged
90 1,3-Dichlorobenzene	1.29548	1.23376	1.23376	0.010	-4.76428	20.00000	Averaged
92 1,4-Dichlorobenzene	1.40837	1.30109	1.30109	0.010	-7.61745	20.00000	Averaged
93 N-Butylbenzene	50.00000	54.95690	3.06817	0.010	9.91380	20.00000	Linear
94 sec-Butylbenzene	3.26552	3.28747	3.28747	0.010	0.67215	20.00000	Averaged
95 1,2-Dichlorobenzene	1.17230	1.11160	1.11160	0.010	-5.17790	20.00000	Averaged
96 1,2-Dibromo-3-Chloropropane	50.00000	44.96384	0.15033	0.010	-10.07232	20.00000	Linear
99 1,2,4-Trichlorobenzene	50.00000	47.53369	0.67085	0.010	-4.93261	20.00000	Linear
101 Naphthalene	50.00000	45.26829	1.29801	0.010	-9.46341	20.00000	Linear
102 1,2,3-Trichlorobenzene	50.00000	47.93809	0.43831	0.010	-4.12383	20.00000	Linear
103 Methyl Acetate	0.50308	0.55806	0.55806	0.010	10.92973	20.00000	Averaged
104 Methylcyclohexane	1.07317	0.93143	0.93143	0.010	-13.20780	20.00000	Averaged
37 Dibromofluoromethane	0.50159	0.47291	0.47291	0.010	-5.71915	20.00000	Averaged
45 1,2-Dichloroethane-D4	0.67111	0.67569	0.67569	0.010	0.68338	20.00000	Averaged
55 Toluene-D8	0.91692	0.95047	0.95047	0.010	3.65897	20.00000	Averaged
76 P-Bromofluorobenzene	0.48246	0.47111	0.47111	0.010	-2.35154	20.00000	Averaged

* = Compound out of QC criteria

Data File: \\target_server\gg\chem\gcms-c.i\C042015.b\C2387.D
Report Date: 22-Apr-2015 16:09

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C042015.b\C2387.D
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Operator : EME Inst ID: gcms-c.i
Smp Info : WG161476-4, SI2201
Misc Info : WG161476, WG160924-4, SI2201-4
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Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW82600LM-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 Dichlorodifluoromethane	85	1.993	1.986 (0.248)		317411		50.0000	54.1	
2 Chloromethane	50	2.236	2.229 (0.278)		321175		50.0000	41.8	
3 Vinyl chloride	62	2.329	2.322 (0.290)		298776		50.0000	52.8	
4 Bromomethane	94	2.730	2.730 (0.340)		101213		50.0000	35.5	
5 Chloroethane	64	2.887	2.880 (0.359)		125868		50.0000	56.7	
6 Trichlorofluoromethane	101	3.059	3.051 (0.380)		379437		50.0000	55.6	
7 Diethyl Ether	59	3.495	3.487 (0.435)		192613		50.0000	50.0	
8 Tertiary-butyl alcohol	59	5.346	5.353 (0.665)		125709		250.000	277	
9 1,1-Dichloroethene	96	3.752	3.745 (0.467)		184777		50.0000	46.5	
10 Carbon Disulfide	76	3.788	3.780 (0.471)		562224		50.0000	49.8	
11 Freon-113	151	3.816	3.809 (0.475)		144031		50.0000	52.8	
12 Iodomethane	142	3.959	3.952 (0.492)		163733		50.0000	36.4	
13 Acrolein	56	4.274	4.267 (0.532)		309537		250.000	516	
14 Methylene Chloride	84	4.653	4.645 (0.579)		237256		50.0000	50.9	
15 Acetone	43	4.753	4.753 (0.591)		403349		250.000	282	
16 Isobutyl Alcohol	43	8.255	8.255 (1.027)		203411		1000.00	1240	
17 trans-1,2-Dichloroethene	96	4.917	4.917 (0.612)		218354		50.0000	48.7	
18 Allyl Chloride	41	4.474	4.474 (0.556)		170471		50.0000	39.9	
19 Methyl tert-butyl ether	73	5.124	5.124 (0.637)		1086030		100.000	109	
20 Acetonitrile	39	5.546	5.546 (0.690)		62860		500.000	560	
21 Di-isopropyl ether	45	5.782	5.782 (0.719)		703053		50.0000	55.8	
22 Chloroprene	53	5.911	5.911 (0.735)		292944		50.0000	44.4	
23 Propionitrile	54	7.962	7.962 (0.990)		384804		500.000	568	
24 Methacrylonitrile	41	7.991	7.984 (0.994)		1302036		500.000	534	

Compounds	QUANT SIG					AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.946	5.946 (0.740)		453180	50.0000	52.1	
26 Acrylonitrile	52	6.046	6.039 (0.752)		491239	250.000	323	
27 Ethyl tertiary-butyl ether	59	6.347	6.347 (0.789)		647964	50.0000	56.8	
28 Vinyl Acetate	43	6.368	6.368 (0.732)		502582	50.0000	52.5	
29 cis-1,2-Dichloroethene	96	6.761	6.761 (0.841)		238636	50.0000	51.6	
31 Methyl Methacrylate	41	9.570	9.563 (1.100)		173043	50.0000	49.6	
32 2,2-Dichloropropane	77	6.904	6.904 (0.859)		400111	50.0000	55.2	
33 Bromochloromethane	128	7.040	7.033 (0.876)		95267	50.0000	51.4	
34 Chloroform	83	7.154	7.154 (0.890)		463923	50.0000	51.3	
35 Carbon Tetrachloride	117	7.319	7.312 (0.841)		314436	50.0000	56.0	
36 Tetrahydrofuran	42	7.362	7.362 (0.916)		329234	250.000	269	
\$ 37 Dibromofluoromethane	113	7.404	7.405 (0.921)		159586	50.0000	47.1	
38 1,1,1-Trichloroethane	97	7.412	7.412 (0.922)		439829	50.0000	51.5	
39 1,1-Dichloropropene	75	7.583	7.583 (0.872)		336096	50.0000	50.6	
40 2-Butanone	43	7.583	7.583 (0.943)		519430	250.000	267	
41 Benzene	78	7.912	7.905 (0.910)		829564	50.0000	49.7	
* 42 Pentafluorobenzene	168	8.041	8.041 (1.000)		337457	50.0000		
43 Cyclohexane	56	7.019	7.019 (0.873)		379072	50.0000	51.3	
44 Ethyl Methacrylate	69	11.057	11.057 (1.271)		248657	50.0000	55.2	
\$ 45 1,2-Dichloroethane-D4	65	8.091	8.090 (1.006)		228018	50.0000	50.3	
46 Tertiary-amyl methyl ether	73	8.076	8.076 (1.004)		489468	50.0000	56.2	
47 1,2-Dichloroethane	62	8.176	8.177 (0.940)		361803	50.0000	45.6	
48 Trichloroethene	95	8.648	8.648 (0.994)		238728	50.0000	47.0	
* 49 1,4-Difluorobenzene	114	8.698	8.698 (1.000)		592197	50.0000		
50 Dibromomethane	93	9.163	9.163 (1.053)		137321	50.0000	46.4	
51 1,2-Dichloropropane	63	9.284	9.284 (1.067)		217232	50.0000	49.6	
52 Bromodichloromethane	83	9.370	9.370 (1.077)		342744	50.0000	52.0	
53 cis-1,3-dichloropropene	75	10.106	10.106 (1.162)		378328	50.0000	53.6	
54 1,4-Dioxane	88	9.613	9.606 (1.105)		50991	1000.00	738	
\$ 55 Toluene-D8	98	10.321	10.321 (1.187)		562863	50.0000	51.8	
56 2-Chloroethylvinylether	63	10.049	10.049 (1.155)		5187	50.0000	35.0	
57 Toluene	92	10.378	10.378 (1.193)		544281	50.0000	50.4	
58 4-methyl-2-pentanone	43	10.828	10.828 (1.245)		984953	250.000	260	
59 Tetrachloroethene	164	10.821	10.821 (0.888)		166106	50.0000	44.3	
60 trans-1,3-Dichloropropene	75	10.871	10.871 (1.250)		344241	50.0000	52.0	
61 1,1,2-Trichloroethane	83	11.057	11.057 (1.271)		164146	50.0000	49.4	
62 Dibromochloromethane	129	11.264	11.264 (0.924)		236373	50.0000	46.9	
63 1,3-Dichloropropane	76	11.386	11.379 (0.934)		362566	50.0000	48.2	
64 1,2-Dibromoethane	107	11.550	11.550 (1.328)		211784	50.0000	49.0	
65 2-Hexanone	43	11.836	11.836 (0.971)		752374	250.000	259	
* 66 Chlorobenzene-D5	117	12.187	12.187 (1.000)		587670	50.0000		
67 Chlorobenzene	112	12.215	12.208 (1.002)		569800	50.0000	47.4	
152 1-Chlorohexane	91	12.179	12.179 (0.999)		347320	50.0000	50.2	
68 Ethylbenzene	106	12.244	12.244 (1.005)		327497	50.0000	48.0	
69 1,1,1,2-Tetrachloroethane	131	12.294	12.294 (1.009)		233907	50.0000	51.6	
71 m+p-Xylenes	106	12.437	12.437 (1.021)		793936	100.000	99.8	
72 o-Xylene	106	13.001	13.001 (1.067)		371613	50.0000	51.2	
73 Styrene	104	13.080	13.080 (1.073)		675343	50.0000	52.0	
74 Bromoform	173	13.116	13.116 (1.076)		149169	50.0000	46.6	
75 Isopropylbenzene	105	13.437	13.437 (0.866)		1092235	50.0000	50.1	
\$ 76 P-Bromofluorobenzene	95	13.838	13.838 (1.591)		278992	50.0000	48.8	
77 cis-1,4-Dichloro-2-Butene	53	13.938	13.938 (0.898)		124535	50.0000	52.6	
78 trans-1,4-Dichloro-2-Butene	53	14.395	14.395 (0.928)		97092	50.0000	50.8	
79 Bromobenzene	156	13.988	13.981 (0.901)		254680	50.0000	47.8	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT		ON-COL
							(ug/l)		(ug/l)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
80 N-Propylbenzene	91	14.024	14.024	(0.904)	1330234	50.0000	50.0		
81 1,1,2,2-Tetrachloroethane	83	14.138	14.131	(0.911)	292156	50.0000	47.8		
82 1,3,5-Trimethylbenzene	105	14.317	14.317	(0.923)	1023076	50.0000	49.3		
83 2-Chlorotoluene	91	14.252	14.252	(0.918)	832612	50.0000	47.7		
84 1,2,3-Trichloropropane	75	14.331	14.331	(0.924)	250684	50.0000	46.0		
85 4-Chlorotoluene	91	14.502	14.502	(0.935)	861560	50.0000	48.6		
86 tert-Butylbenzene	119	14.796	14.788	(0.953)	943197	50.0000	51.9		
87 Pentachloroethane	117	14.824	14.824	(0.955)	217419	50.0000	58.0		
88 1,2,4-Trimethylbenzene	105	14.903	14.903	(0.960)	1012239	50.0000	49.8		
89 P-Isopropyltoluene	119	15.296	15.296	(0.986)	1011015	50.0000	51.1		
90 1,3-Dichlorobenzene	146	15.403	15.396	(0.993)	457952	50.0000	47.6		
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	371184	50.0000			
92 1,4-Dichlorobenzene	146	15.539	15.539	(1.001)	482942	50.0000	46.2		
93 N-Butylbenzene	91	15.968	15.968	(1.029)	1138857	50.0000	55.0		
94 sec-Butylbenzene	105	15.067	15.067	(0.971)	1220256	50.0000	50.3		
95 1,2-Dichlorobenzene	146	16.218	16.218	(1.045)	412607	50.0000	47.4		
96 1,2-Dibromo-3-Chloropropane	75	17.569	17.562	(1.132)	55801	50.0000	45.0		
97 1,3,5-Trichlorobenzene	180	17.619	17.619	(1.135)	356153	50.0000	54.0		
98 Hexachlorobutadiene	225	18.727	18.720	(1.207)	164752	50.0000	49.9		
99 1,2,4-Trichlorobenzene	180	18.756	18.763	(1.209)	249010	50.0000	47.5		
100 1,2,3-Trimethylbenzene	105	15.582	15.582	(1.004)	964789	50.0000	50.6		
101 Naphthalene	128	19.349	19.349	(1.247)	481800	50.0000	45.3		
102 1,2,3-Trichlorobenzene	180	19.685	19.685	(1.269)	162693	50.0000	47.9		
103 Methyl Acetate	43	4.974	4.967	(0.619)	188322	50.0000	55.5		
104 Methylcyclohexane	83	8.627	8.627	(1.073)	314316	50.0000	43.4		

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Date : 20-Apr-2015 10:22

Client ID: continuing Calibrati

Sample Info: M0461476-4,SI2201

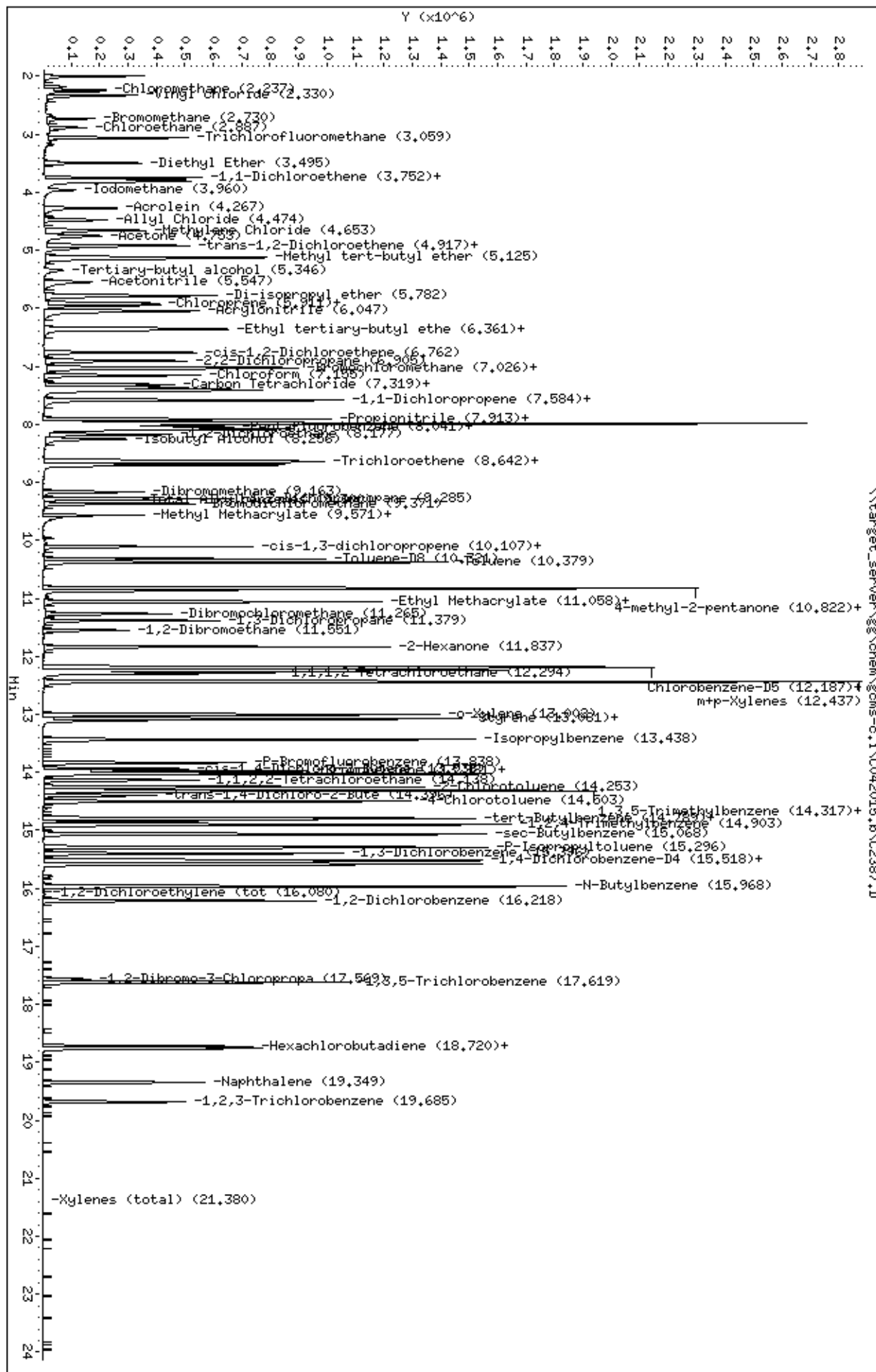
Purge Volume: 5.0

Column phase: RTX-VHS

Instrument: gms-c.i

Operator: EHE

Column diameter: 0.18



Date : 08-APR-2015 10:19

Client ID:

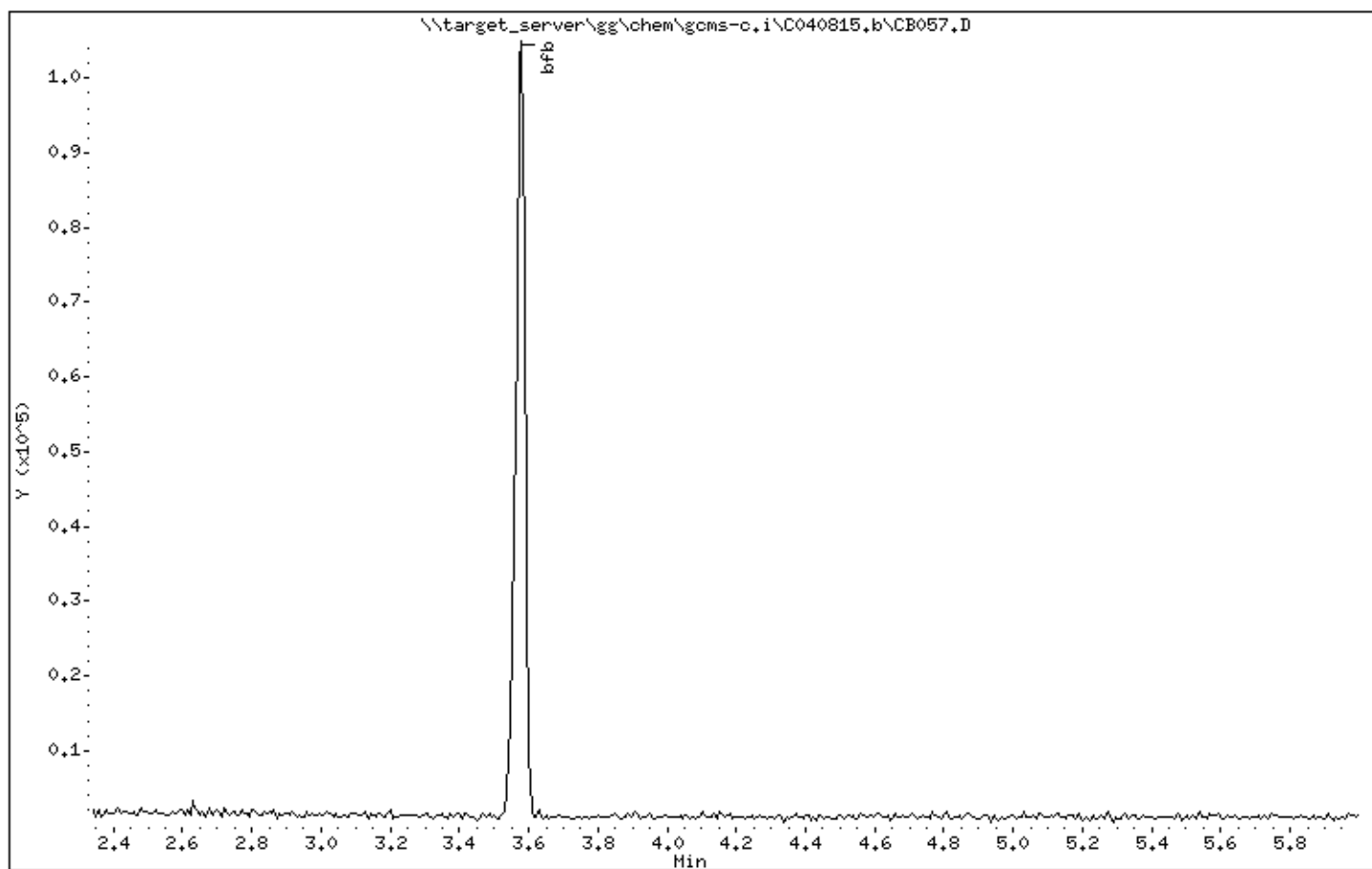
Instrument: goms-c.i

Sample Info: WG160924-10,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18



Date : 08-APR-2015 10:19

Client ID:

Instrument: gcms-c.i

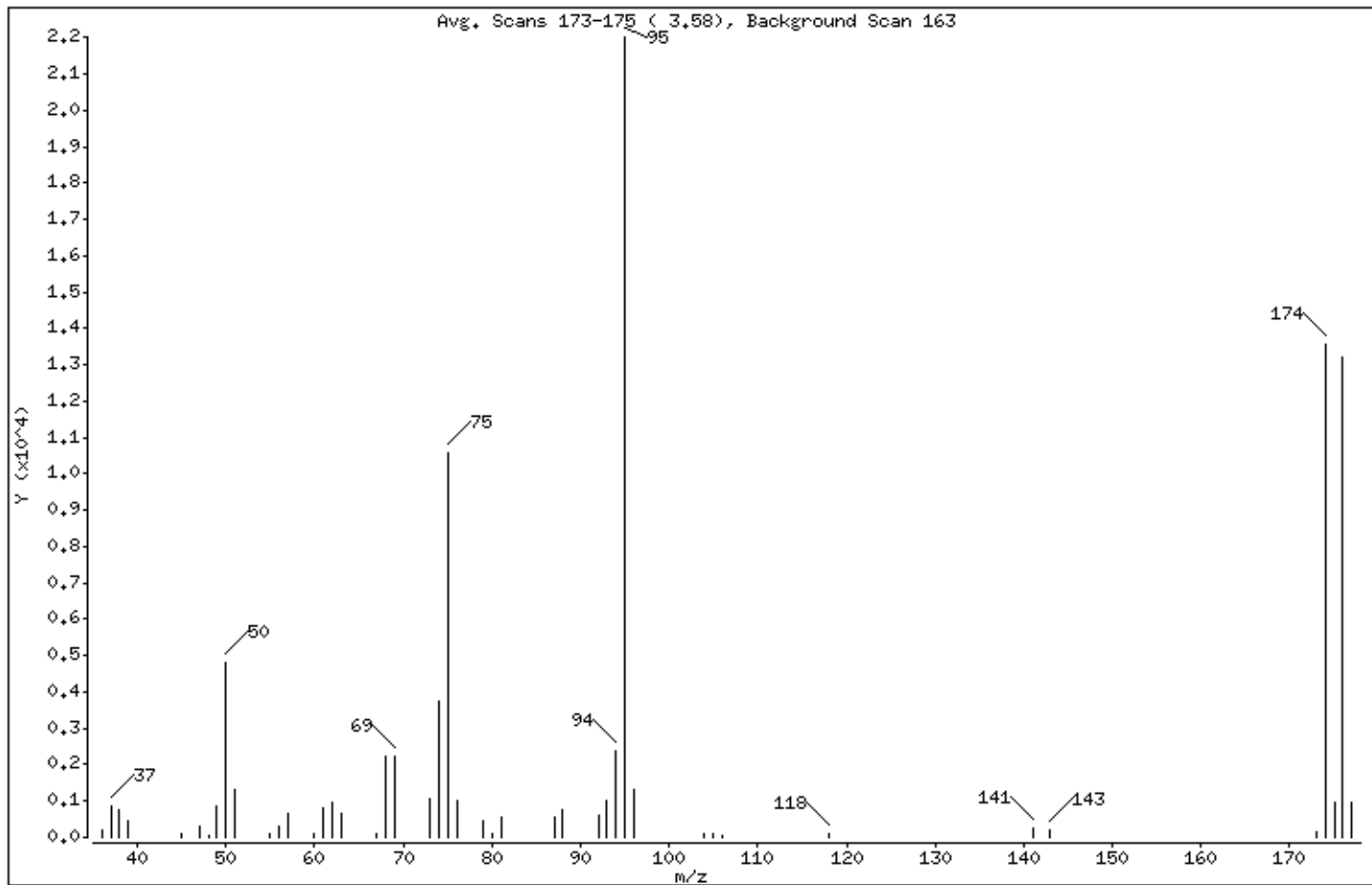
Sample Info: WG160924-10,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.88
75	30.00 - 60.00% of mass 95	48.03
96	5.00 - 9.00% of mass 95	5.87
173	Less than 2.00% of mass 174	0.58 (0.94)
174	Greater than 50.00% of mass 95	61.69
175	5.00 - 9.00% of mass 174	4.31 (6.99)
176	95.00 - 101.00% of mass 174	60.05 (97.33)
177	5.00 - 9.00% of mass 176	4.30 (7.16)

Date : 08-APR-2015 10:19

Client ID:

Instrument: gcms-c.i

Sample Info: WG160924-10,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18

Data File: CB057.D

Spectrum: Avg. Scans 173-175 (3.58), Background Scan 163

Location of Maximum: 95.00

Number of points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	213	57.00	640	79.00	457	106.00	67
37.00	845	60.00	81	80.00	125	118.00	96
38.00	780	61.00	807	81.00	537	141.00	230
39.00	466	62.00	982	87.00	567	143.00	200
45.00	109	63.00	658	88.00	781	173.00	127
47.00	282	67.00	76	92.00	585	174.00	13582
48.00	67	68.00	2217	93.00	997	175.00	949
49.00	856	69.00	2239	94.00	2396	176.00	13220
50.00	4817	73.00	1085	95.00	22016	177.00	947
51.00	1293	74.00	3742	96.00	1292		
55.00	105	75.00	10574	104.00	76		
56.00	304	76.00	1037	105.00	82		

Date : 14-APR-2015 08:53

Client ID:

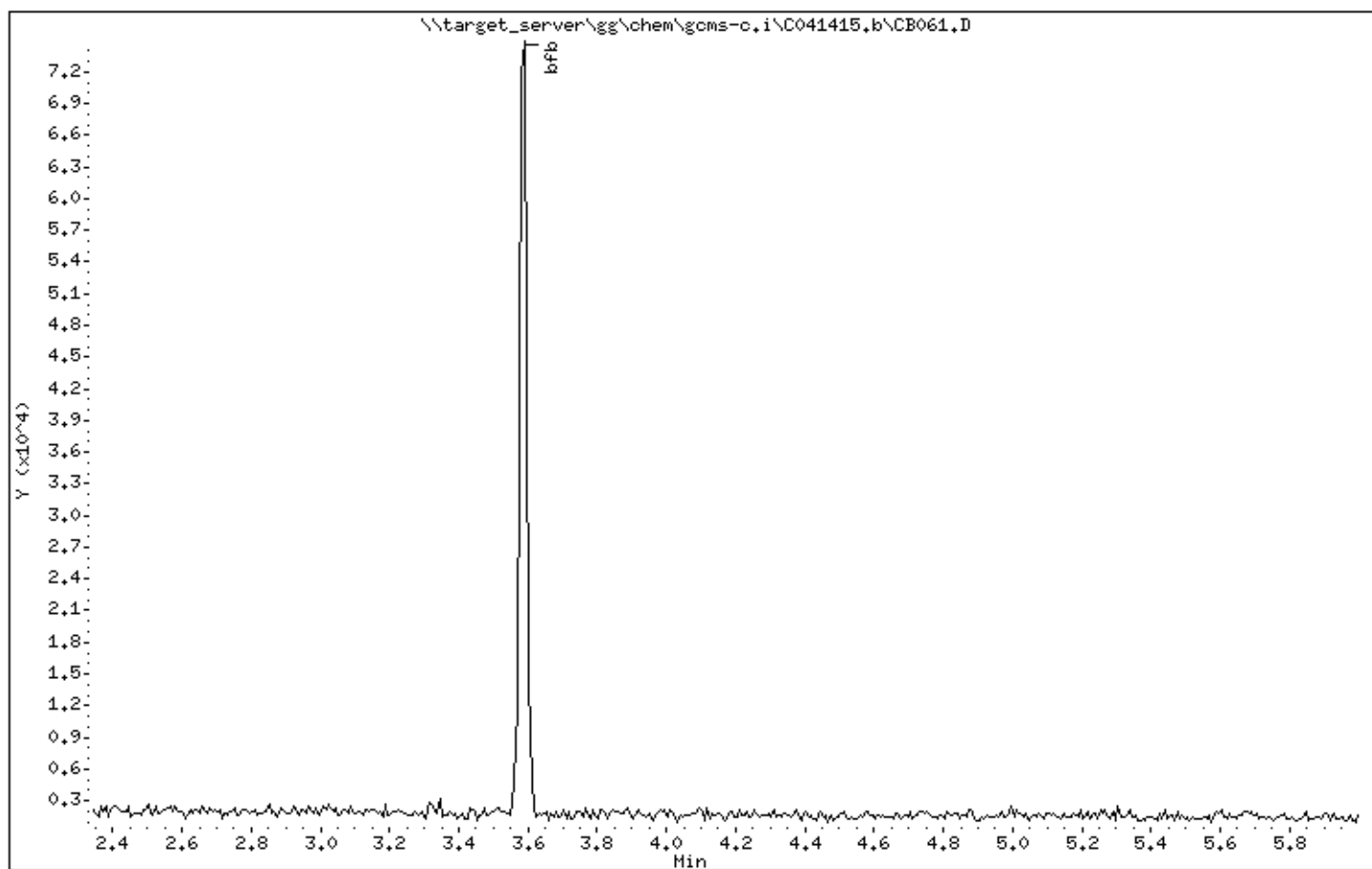
Instrument: goms-c.i

Sample Info: WG161195-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18



Date : 14-APR-2015 08:53

Client ID:

Instrument: gcms-c.i

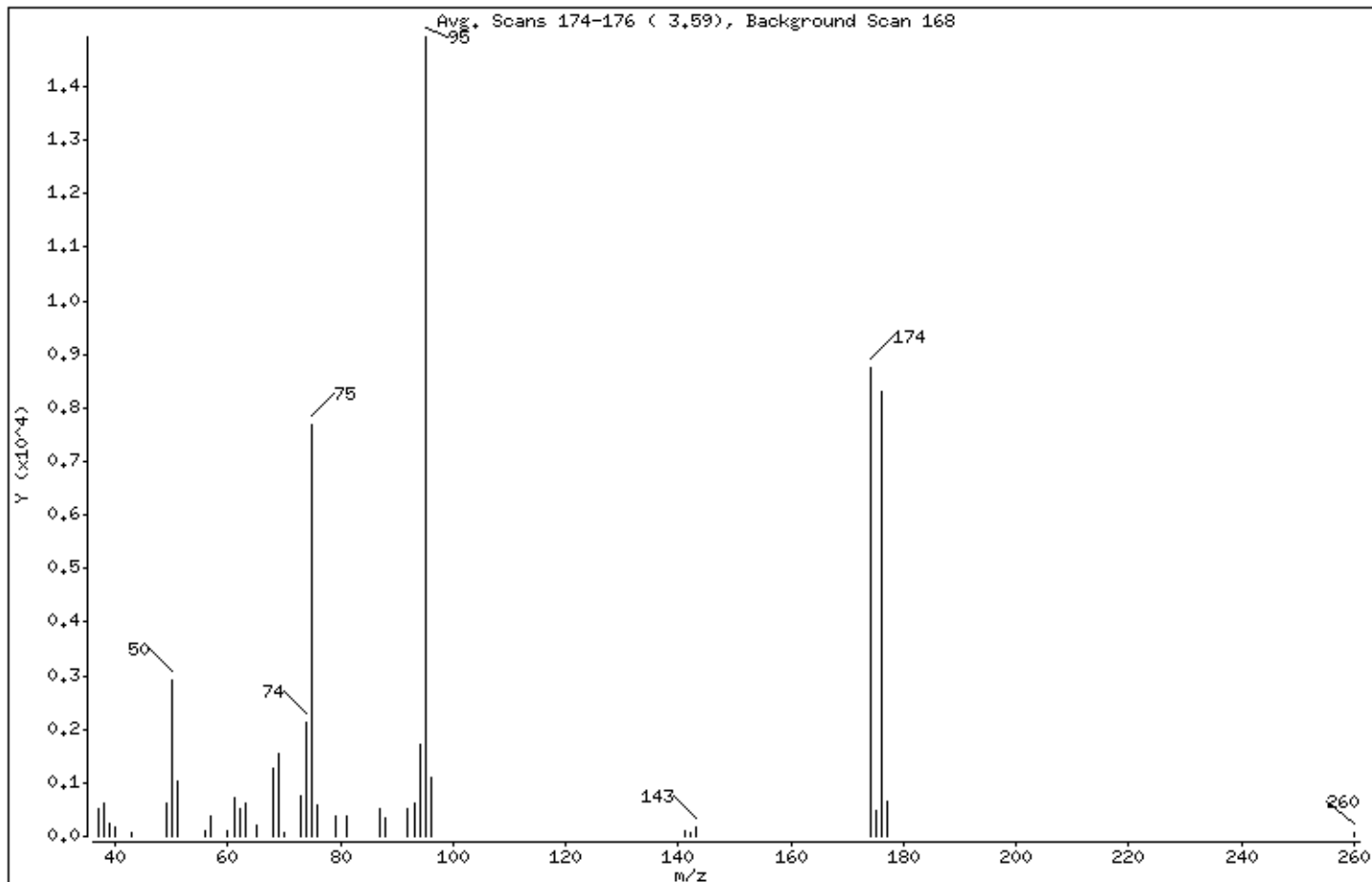
Sample Info: WG161195-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.45
75	30.00 - 60.00% of mass 95	51.59
96	5.00 - 9.00% of mass 95	7.30
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	58.55
175	5.00 - 9.00% of mass 174	3.19 (5.45)
176	95.00 - 101.00% of mass 174	55.72 (95.17)
177	5.00 - 9.00% of mass 176	4.41 (7.92)

Date : 14-APR-2015 08:53

Client ID:

Instrument: goms-c.i

Sample Info: WG161195-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18

Data File: CB061.D

Spectrum: Avg. Scans 174-176 (3.59), Background Scan 168

Location of Maximum: 95.00

Number of points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	526	60.00	96	75.00	7702	96.00	1090
38.00	630	61.00	732	76.00	584	141.00	86
39.00	249	62.00	517	79.00	373	142.00	69
40.00	179	63.00	614	81.00	372	143.00	166
43.00	78	65.00	199	87.00	506	174.00	8741
49.00	633	68.00	1260	88.00	336	175.00	476
50.00	2903	69.00	1553	92.00	514	176.00	8319
51.00	1032	70.00	71	93.00	620	177.00	659
56.00	90	73.00	752	94.00	1703	260.00	76
57.00	363	74.00	2114	95.00	14929		

Date : 15-APR-2015 08:57

Client ID:

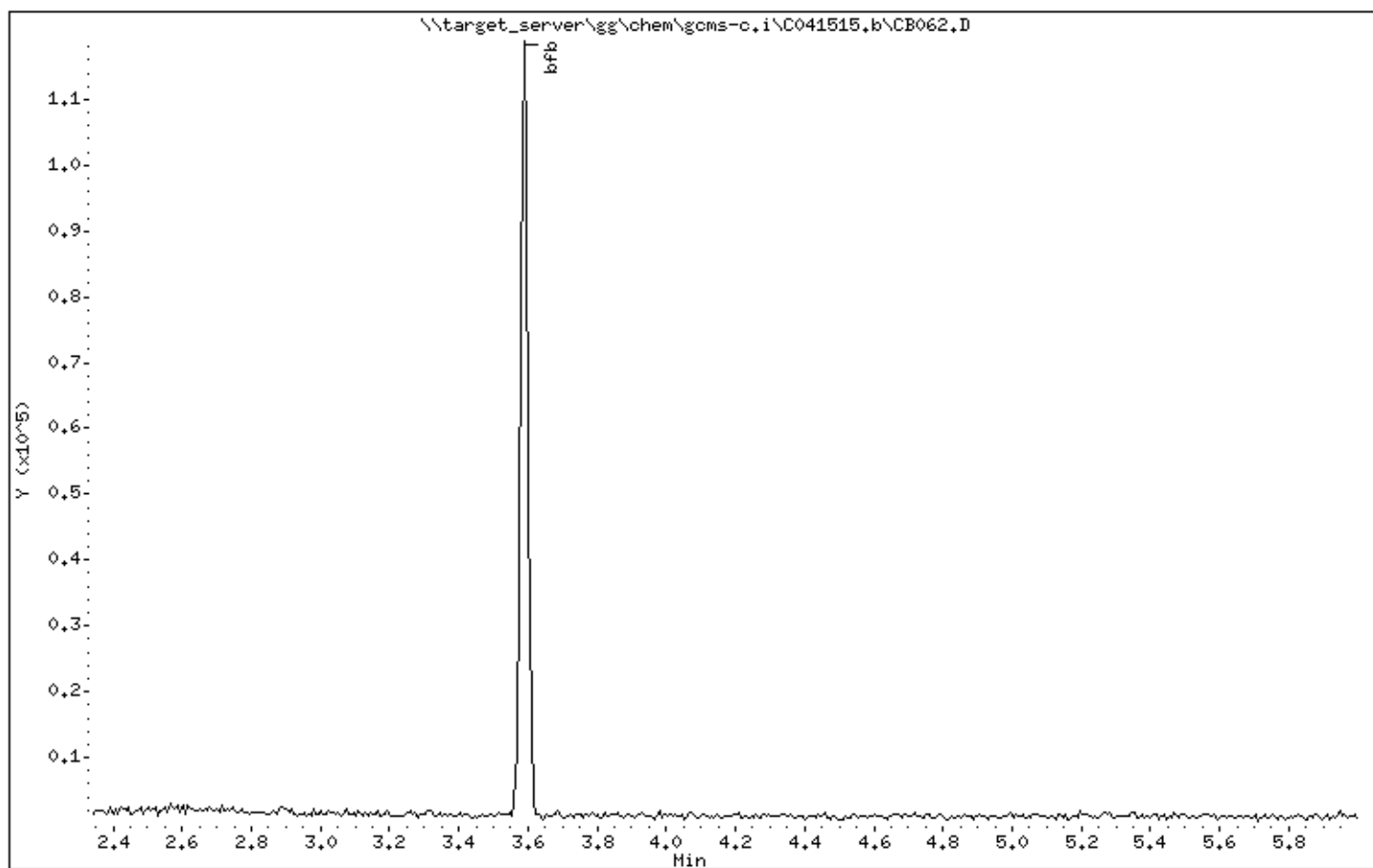
Instrument: goms-c.i

Sample Info: WG161248-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0,18



Date : 15-APR-2015 08:57

Client ID:

Instrument: gcms-c.i

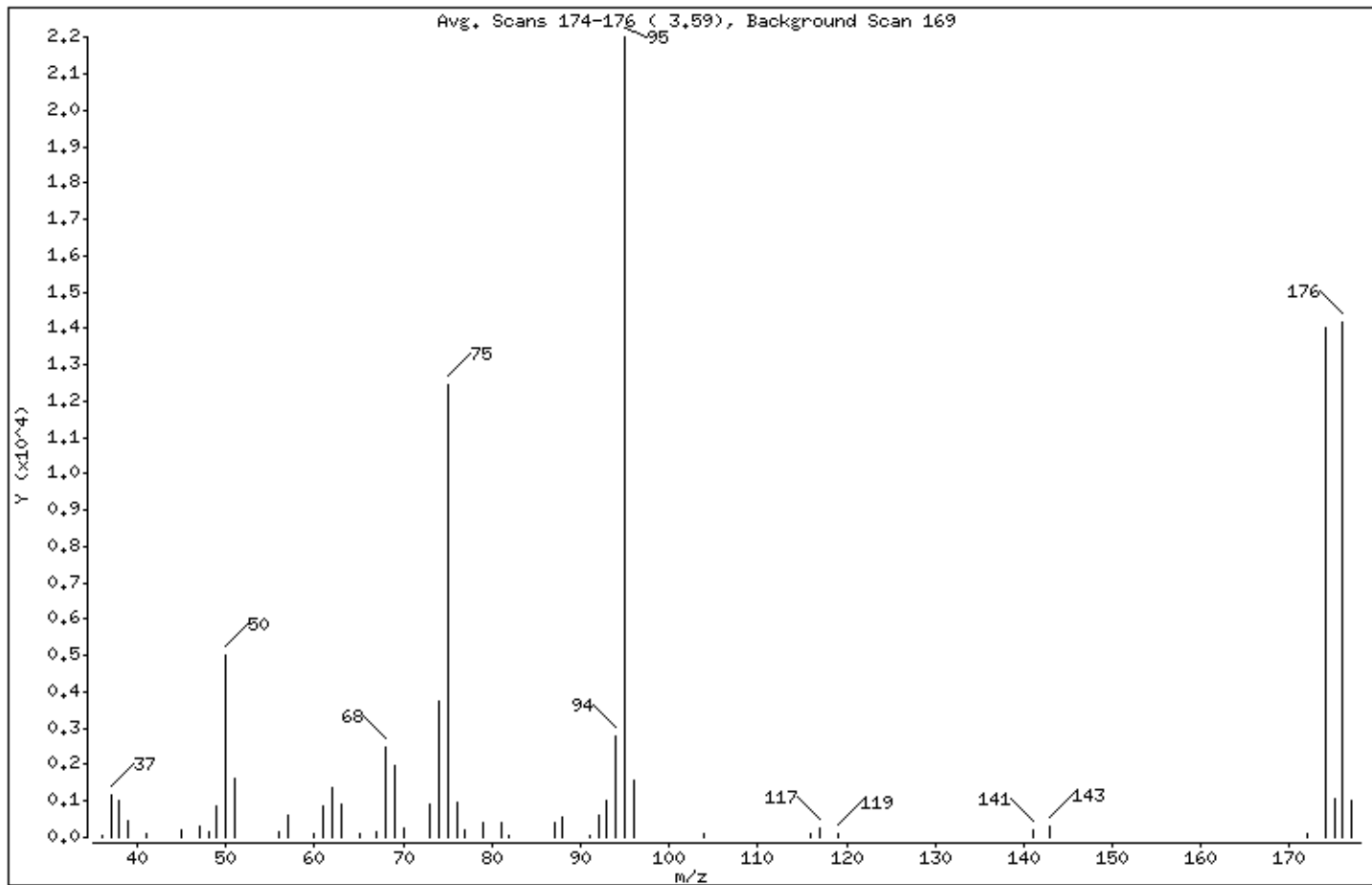
Sample Info: WG161248-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.67
75	30.00 - 60.00% of mass 95	56.64
96	5.00 - 9.00% of mass 95	7.02
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	63.67
175	5.00 - 9.00% of mass 174	4.76 (7.47)
176	95.00 - 101.00% of mass 174	64.29 (100.98)
177	5.00 - 9.00% of mass 176	4.55 (7.07)

Date : 15-APR-2015 08:57

Client ID:

Instrument: gcms-c.i

Sample Info: WG161248-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18

Data File: CB062.D

Spectrum: Avg. Scans 174-176 (3.59), Background Scan 169

Location of Maximum: 95.00

Number of points: 49

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	75	60.00	126	77.00	206	116.00	112
37.00	1152	61.00	882	79.00	424	117.00	232
38.00	1010	62.00	1355	81.00	419	119.00	90
39.00	456	63.00	893	82.00	73	141.00	182
41.00	119	65.00	95	87.00	416	143.00	292
45.00	223	67.00	130	88.00	571	172.00	85
47.00	325	68.00	2458	91.00	69	174.00	14023
48.00	167	69.00	1995	92.00	619	175.00	1048
49.00	878	70.00	228	93.00	1033	176.00	14160
50.00	4992	73.00	912	94.00	2771	177.00	1001
51.00	1625	74.00	3759	95.00	22024		
56.00	135	75.00	12475	96.00	1545		
57.00	599	76.00	974	104.00	84		

Date : 16-APR-2015 08:21

Client ID:

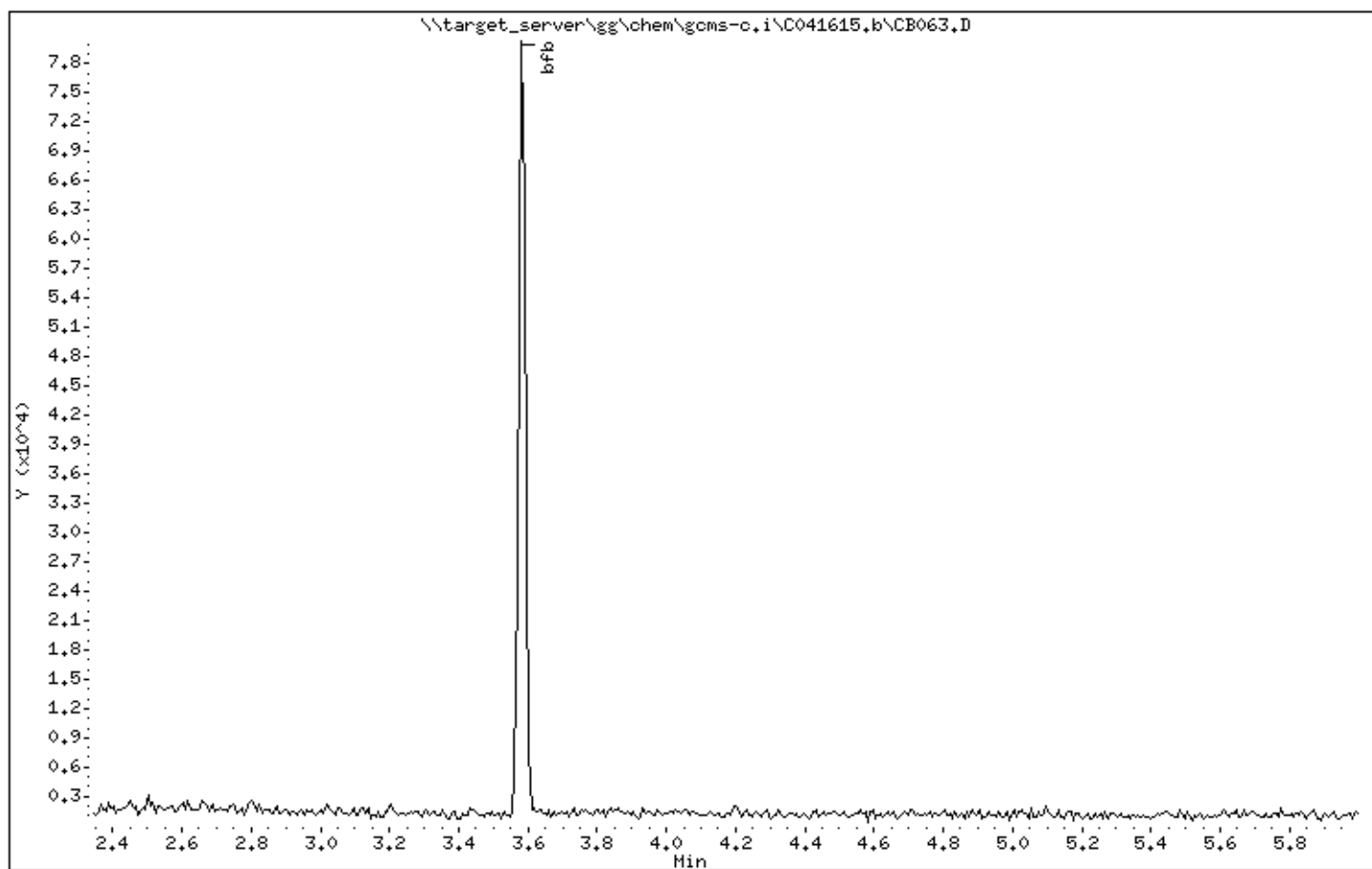
Instrument: goms-c.i

Sample Info: WG161286-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18



Date : 16-APR-2015 08:21

Client ID:

Instrument: gcms-c.i

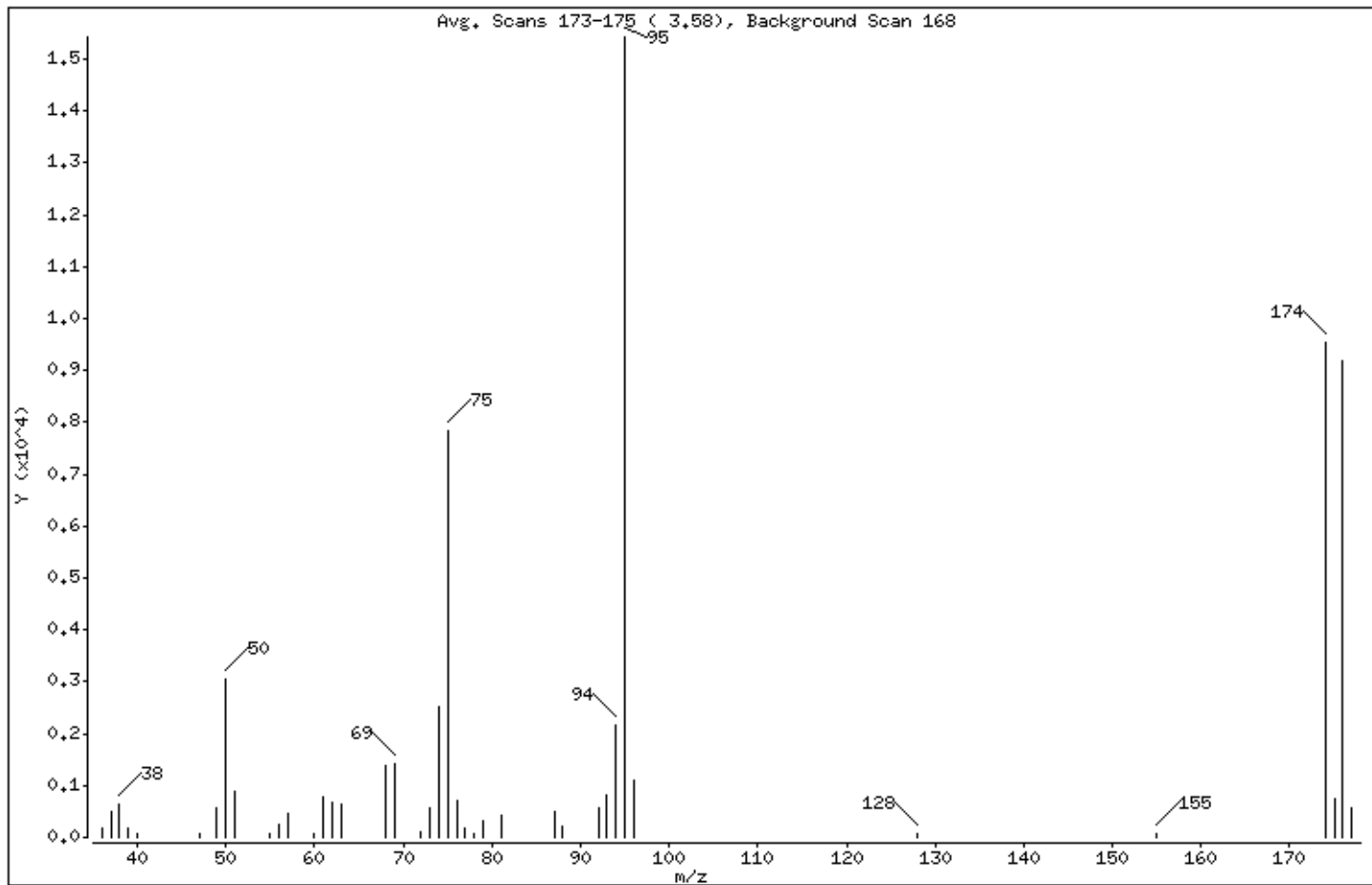
Sample Info: WG161286-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.76
75	30.00 - 60.00% of mass 95	50.70
96	5.00 - 9.00% of mass 95	7.18
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	61.73
175	5.00 - 9.00% of mass 174	4.91 (7.95)
176	95.00 - 101.00% of mass 174	59.61 (96.56)
177	5.00 - 9.00% of mass 176	3.60 (6.04)

Date : 16-APR-2015 08:21

Client ID:

Instrument: gcms-c.i

Sample Info: WG161286-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18

Data File: CB063.D

Spectrum: Avg. Scans 173-175 (3.58), Background Scan 168

Location of Maximum: 95.00

Number of points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	165	57.00	472	76.00	698	96.00	1107
37.00	509	60.00	69	77.00	191	128.00	84
38.00	628	61.00	787	78.00	70	155.00	81
39.00	179	62.00	668	79.00	302	174.00	9524
40.00	73	63.00	625	81.00	416	175.00	757
47.00	81	68.00	1368	87.00	506	176.00	9196
49.00	551	69.00	1430	88.00	229	177.00	555
50.00	3048	72.00	90	92.00	569		
51.00	903	73.00	578	93.00	823		
55.00	68	74.00	2525	94.00	2180		
56.00	235	75.00	7822	95.00	15428		

Date : 20-APR-2015 09:10

Client ID:

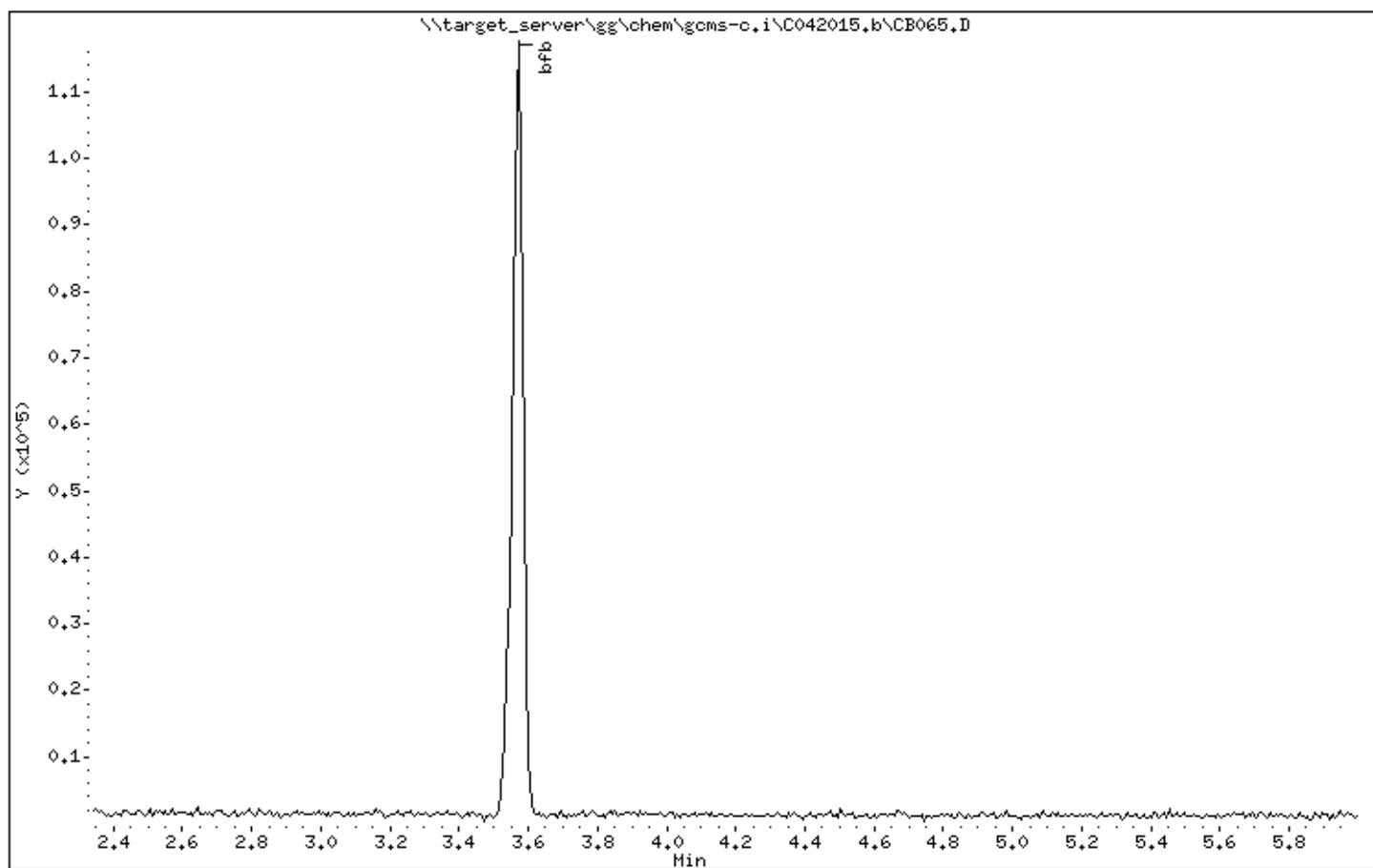
Instrument: goms-c.i

Sample Info: WG161476-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0,18



Date : 20-APR-2015 09:10

Client ID:

Instrument: gcms-c.i

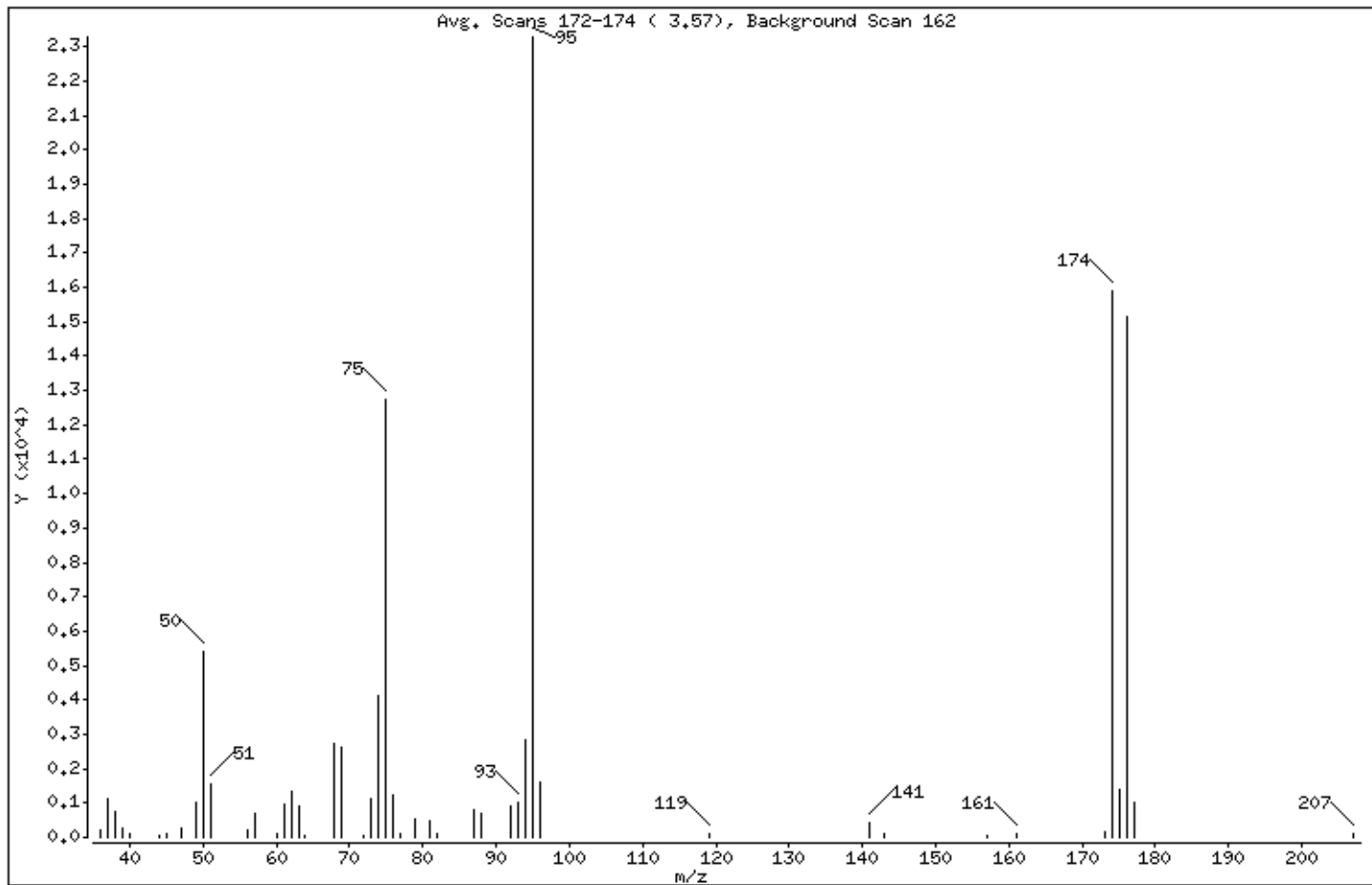
Sample Info: WG161476-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.14
75	30.00 - 60.00% of mass 95	54.80
96	5.00 - 9.00% of mass 95	6.79
173	Less than 2.00% of mass 174	0.70 (1.03)
174	Greater than 50.00% of mass 95	68.25
175	5.00 - 9.00% of mass 174	6.07 (8.90)
176	95.00 - 101.00% of mass 174	65.00 (95.24)
177	5.00 - 9.00% of mass 176	4.27 (6.57)

Date : 20-APR-2015 09:10

Client ID:

Instrument: gcms-c.i

Sample Info: WG161476-3,SI2201

Operator: EME

Column phase: RTX-VHS

Column diameter: 0.18

Data File: CB065.D

Spectrum: Avg. Scans 172-174 (3.57), Background Scan 162

Location of Maximum: 95.00

Number of points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	205	57.00	703	76.00	1250	119.00	82
37.00	1142	60.00	91	77.00	84	141.00	414
38.00	754	61.00	988	79.00	535	143.00	104
39.00	248	62.00	1344	81.00	475	157.00	78
40.00	107	63.00	906	82.00	101	161.00	97
44.00	29	64.00	76	87.00	824	173.00	164
45.00	121	68.00	2755	88.00	715	174.00	15889
47.00	245	69.00	2639	92.00	900	175.00	1414
49.00	1030	72.00	68	93.00	1028	176.00	15133
50.00	5386	73.00	1119	94.00	2858	177.00	994
51.00	1578	74.00	4128	95.00	23280	207.00	82
56.00	198	75.00	12758	96.00	1581		

Raw QC Data Section

Report of Analytical Results

Client:
Lab ID: WG161195-2
Client ID: Method Blank Sample
Project:
SDG: SI2201
Lab File ID: C2278.D

Sample Date:
Received Date:
Extract Date: 14-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161195

Analysis Date: 14-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5

Report of Analytical Results

Client:
Lab ID: WG161195-2
Client ID: Method Blank Sample
Project:
SDG: SI2201
Lab File ID: C2278.D

Sample Date:
Received Date:
Extract Date: 14-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161195

Analysis Date: 14-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		111.	%					
Toluene-d8		105.	%					
P-Bromofluorobenzene		94.1	%					
Dibromofluoromethane		101.	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041415.b\C2278.D
Report Date: 22-Apr-2015 15:12

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041415.b\C2278.D
Lab Smp Id: WG161195-2 Client Smp ID: WG161195-Blank
Inj Date : 14-APR-2015 11:50 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG161195-2, SI2201
Misc Info : WG161195, WG160924-4, SI2201-1
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041415.b\C826A36.m
Meth Date : 22-Apr-2015 15:09 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

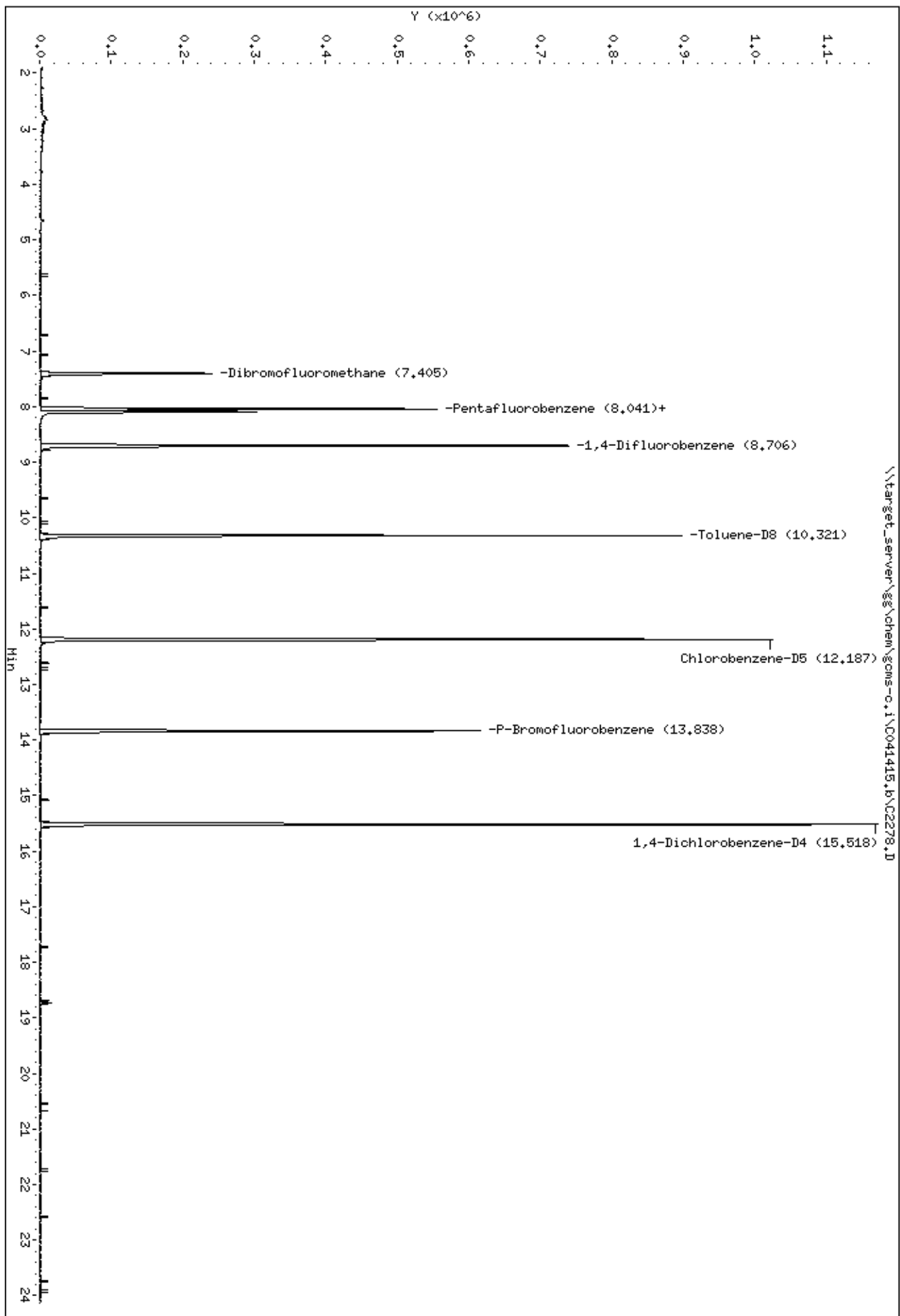
Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
						ON-COLUMN (ug/l)	FINAL (ug/l)	
\$ 37 Dibromofluoromethane	113	7.404	7.405	(0.921)	149911	50.5644	50.6	
* 42 Pentafluorobenzene	168	8.040	8.041	(1.000)	295533	50.0000		
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090	(1.006)	220836	55.6725	55.7	
* 49 1,4-Difluorobenzene	114	8.705	8.698	(1.000)	523654	50.0000		
\$ 55 Toluene-D8	98	10.321	10.321	(1.186)	505945	52.6865	52.7	
* 66 Chlorobenzene-D5	117	12.193	12.187	(1.000)	522540	50.0000		
\$ 76 P-Bromofluorobenzene	95	13.837	13.838	(1.590)	237662	47.0354	47.0	
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	296785	50.0000		

Data File: \\target_server\gs\chem\goms-c.i\0041415.b\02278.D
Date : 14-APR-2015 11:50
Client ID: MG161195-Blank
Sample Info: MG161195-2,SI2201

Instrument: goms-c.i



Report of Analytical Results

Client:
Lab ID: WG161248-2
Client ID: Method Blank Sample
Project:
SDG: SI2201
Lab File ID: C2302.D

Sample Date:
Received Date:
Extract Date: 15-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161248

Analysis Date: 15-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5

Report of Analytical Results

Client:
Lab ID: WG161248-2
Client ID: Method Blank Sample
Project:
SDG: SI2201
Lab File ID: C2302.D

Sample Date:
Received Date:
Extract Date: 15-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161248

Analysis Date: 15-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		108.	%					
Toluene-d8		107.	%					
P-Bromofluorobenzene		97.5	%					
Dibromofluoromethane		100.	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2302.D
Report Date: 22-Apr-2015 15:19

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041515.b\C2302.D
Lab Smp Id: WG161248-2 Client Smp ID: WG161248-Blank
Inj Date : 15-APR-2015 11:52 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG161248-2, SI2201
Misc Info : WG161248, WG160924-4, SI2201-2
Comment : SW846 5030, AQ
Method : \\target_server\gg\chem\gcms-c.i\C041515.b\C826A36.m
Meth Date : 22-Apr-2015 15:13 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

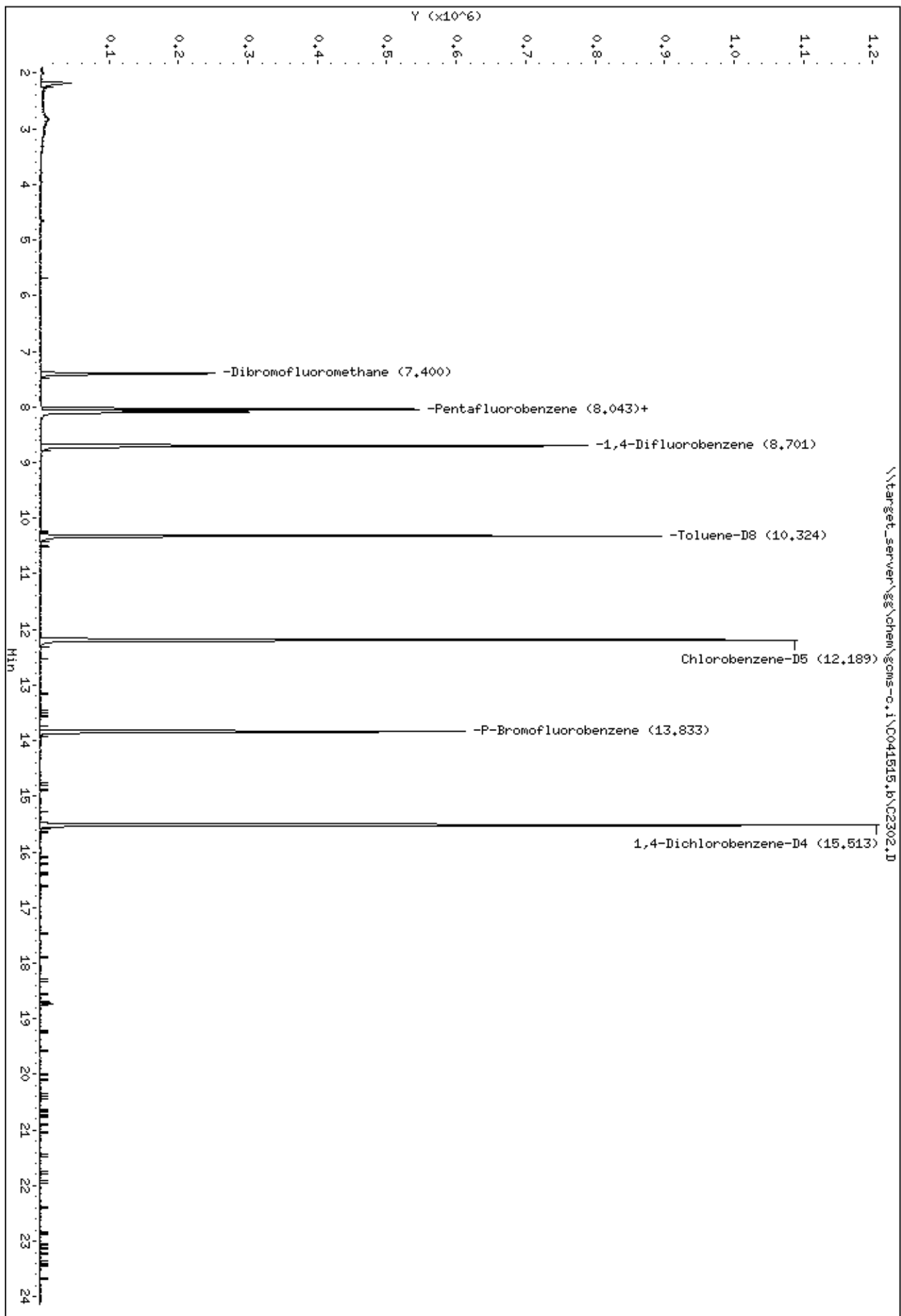
Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
						ON-COLUMN (ug/l)	FINAL (ug/l)	
\$ 37 Dibromofluoromethane	113	7.400	7.405 (0.920)		157050	50.0839	50.1	
* 42 Pentafluorobenzene	168	8.043	8.041 (1.000)		312577	50.0000		
\$ 45 1,2-Dichloroethane-D4	65	8.086	8.090 (1.005)		226075	53.8856	53.9	
* 49 1,4-Difluorobenzene	114	8.700	8.698 (1.000)		530120	50.0000		
\$ 55 Toluene-D8	98	10.323	10.321 (1.186)		519014	53.3882	53.4	
* 66 Chlorobenzene-D5	117	12.189	12.187 (1.000)		538787	50.0000		
\$ 76 P-Bromofluorobenzene	95	13.833	13.838 (1.590)		249323	48.7414	48.7	
* 91 1,4-Dichlorobenzene-D4	152	15.520	15.518 (1.000)		319283	50.0000		

Data File: \\target_server\gs\chem\goms-c.i\0041515.b\02302.D
Date : 15-APR-2015 11:52
Client ID: MG161248-Blank
Sample Info: MG161248-2,SI2201

Instrument: goms-c.i



Report of Analytical Results

Client:
Lab ID: WG161286-2
Client ID: Method Blank Sample
Project:
SDG: SI2201
Lab File ID: C2336.D

Sample Date:
Received Date:
Extract Date: 16-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161286

Analysis Date: 16-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5

Report of Analytical Results

Client:
Lab ID: WG161286-2
Client ID: Method Blank Sample
Project:
SDG: SI2201
Lab File ID: C2336.D

Sample Date:
Received Date:
Extract Date: 16-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161286

Analysis Date: 16-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 22-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		112.	%					
Toluene-d8		110.	%					
P-Bromofluorobenzene		98.8	%					
Dibromofluoromethane		101.	%					

Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2336.D
Report Date: 22-Apr-2015 16:06

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041615.b\C2336.D
Lab Smp Id: WG161286-2
Inj Date : 16-APR-2015 11:12 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG161286-2, SI2201
Misc Info : WG161286, WG160924-4, SI2201-14
Comment : SW846 5030
Method : \\TARGET_SERVER\GG\chem\gcms-c.i\C041615.b\C826A36.m
Meth Date : 22-Apr-2015 15:23 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

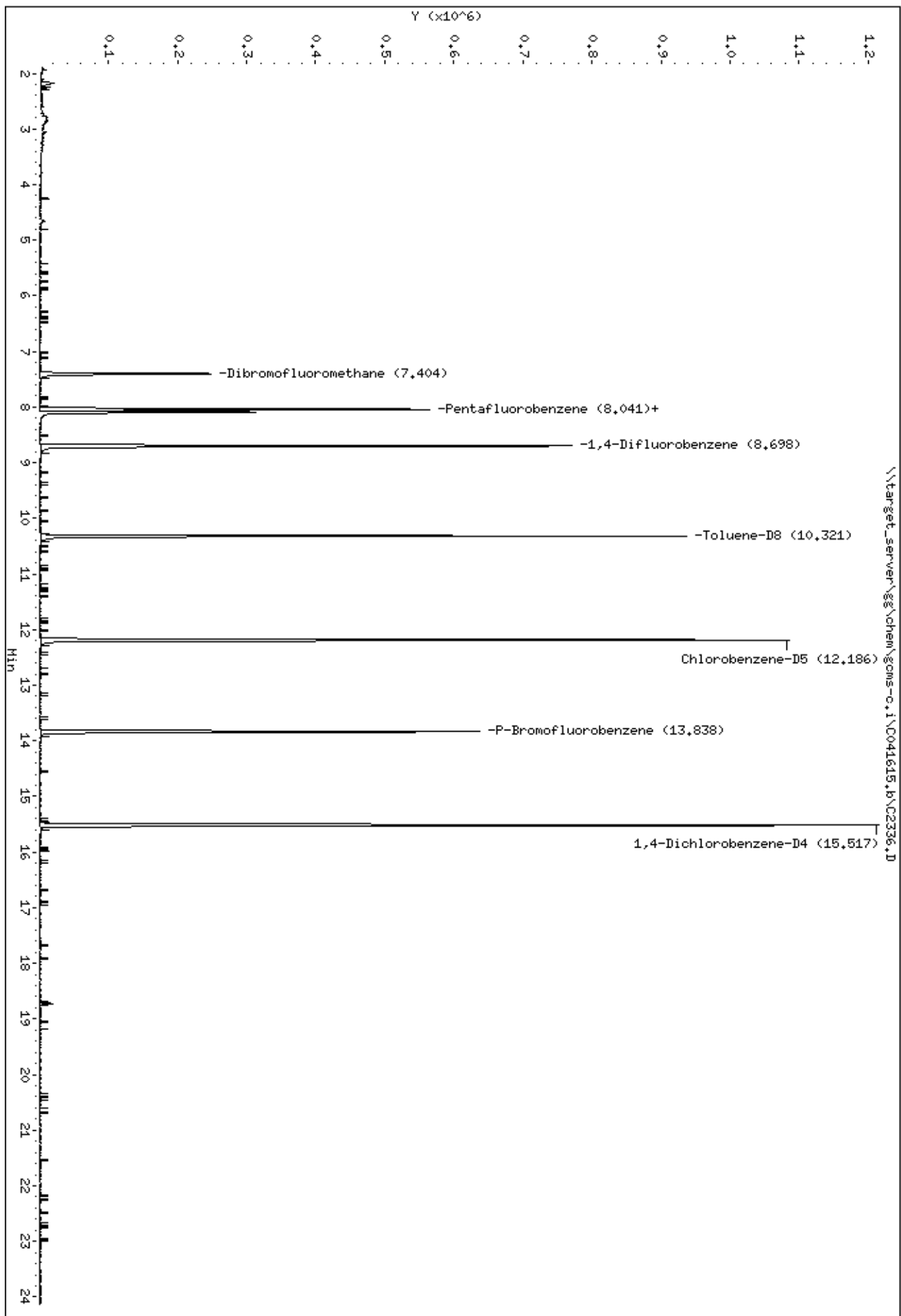
Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
						ON-COLUMN (ug/l)	FINAL (ug/l)	
\$ 37 Dibromofluoromethane	113	7.397	7.405	(0.920)	156418	50.3973	50.4	
* 42 Pentafluorobenzene	168	8.040	8.041	(1.000)	309383	50.0000		
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090	(1.006)	233177	56.1521	56.2	
* 49 1,4-Difluorobenzene	114	8.698	8.698	(1.000)	529890	50.0000		
\$ 55 Toluene-D8	98	10.320	10.321	(1.187)	534089	54.9627	55.0	
* 66 Chlorobenzene-D5	117	12.186	12.187	(1.000)	545959	50.0000		
\$ 76 P-Bromofluorobenzene	95	13.837	13.838	(1.591)	252599	49.4033	49.4	
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	320959	50.0000		

Data File: \\target_server\gs\chem\goms-c.i\CO41615.b\C2336.D
Date : 16-APR-2015 11:12
Client ID:
Sample Info: MG161286-2,S12201

Instrument: goms-c.i



Report of Analytical Results

Client:
Lab ID: WG161476-2
Client ID: Method Blank Sample
Project:
SDG: SI2201
Lab File ID: C2391.D

Sample Date:
Received Date:
Extract Date: 20-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161476

Analysis Date: 20-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	2.0	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	2.0	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	2.0	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	2.0	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	2.0	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.35	0.50
Freon-113	U	1.0	ug/L	1	1	1.0	0.31	0.50
Acetone	U	5.0	ug/L	1	5	5.0	2.2	2.5
Carbon Disulfide	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl Acetate	U	1.0	ug/L	1	1	1.0	0.53	0.75
Methylene Chloride	U	5.0	ug/L	1	5	5.0	1.1	2.5
trans-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	1.0	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	1.0	ug/L	1	1	1.0	0.21	0.50
2-Butanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Chloroform	U	1.0	ug/L	1	1	1.0	0.32	0.50
1,1,1-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Cyclohexane	U	1.0	ug/L	1	1	1.0	0.31	0.50
Carbon Tetrachloride	U	1.0	ug/L	1	1	1.0	0.22	0.50
Benzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	1.0	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	1.0	ug/L	1	1	1.0	0.28	0.50
Methylcyclohexane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dichloropropane	U	1.0	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Methyl-2-Pentanone	U	5.0	ug/L	1	5	5.0	1.3	2.5
Toluene	U	1.0	ug/L	1	1	1.0	0.27	0.50
trans-1,3-Dichloropropene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	1.0	ug/L	1	1	1.0	0.33	0.50
Tetrachloroethene	U	1.0	ug/L	1	1	1.0	0.40	0.50
2-Hexanone	U	5.0	ug/L	1	5	5.0	1.7	2.5

Report of Analytical Results

Client:
Lab ID: WG161476-2
Client ID: Method Blank Sample
Project:
SDG: SI2201
Lab File ID: C2391.D

Sample Date:
Received Date:
Extract Date: 20-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161476

Analysis Date: 20-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 23-APR-15

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dibromochloromethane	U	1.0	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	1.0	ug/L	1	1	1.0	0.22	0.50
Chlorobenzene	U	1.0	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
M+P-Xylenes	U	2.0	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	1.0	ug/L	1	1	1.0	0.25	0.50
Styrene	U	1.0	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	1.0	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	1.0	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	1.0	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	1.0	ug/L	1	1	1.0	0.50	0.50
1,2,4-Trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.37	0.50
bromochloromethane	U	1.0	ug/L	1	1	1.0	0.21	0.50
1,4-Dioxane	U	100	ug/L	1	100	100	8.8	50.
1,2,3-trichlorobenzene	U	1.0	ug/L	1	1	1.0	0.27	0.50
1,3,5-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.20	0.50
1,2,4-Trimethylbenzene	U	1.0	ug/L	1	1	1.0	0.19	0.50
4-Chlorotoluene	U	1.0	ug/L	1	1	1.0	0.19	0.50
n-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.23	0.50
n-Propylbenzene	U	1.0	ug/L	1	1	1.0	0.26	0.50
Naphthalene	U	1.0	ug/L	1	1	1.0	0.30	0.50
p-Isopropyltoluene	U	1.0	ug/L	1	1	1.0	0.25	0.50
sec-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.21	0.50
tert-Butylbenzene	U	1.0	ug/L	1	1	1.0	0.31	0.50
1,2-Dichloroethane-d4		114.	%					
Toluene-d8		114.	%					
P-Bromofluorobenzene		102.	%					
Dibromofluoromethane		111.	%					

Data File: \\target_server\gg\chem\gcms-c.i\C042015.b\C2391.D
 Report Date: 23-Apr-2015 08:11

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C042015.b\C2391.D
 Lab Smp Id: WG161476-2 Client Smp ID: WG161476-Blank
 Inj Date : 20-APR-2015 12:53 MS Autotune Date: 03-FEB-2015 11:03
 Operator : EME Inst ID: gcms-c.i
 Smp Info : WG161476-2, SI2201
 Misc Info : WG161476, WG160924-4, SI2201-4
 Comment : SW846 5030
 Method : \\target_server\gg\chem\gcms-c.i\C042015.b\C826A36.m
 Meth Date : 22-Apr-2015 16:07 gcms-c.i Quant Type: ISTD
 Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
 Als bottle: 6 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: SW8260-S.sub
 Target Version: 4.12

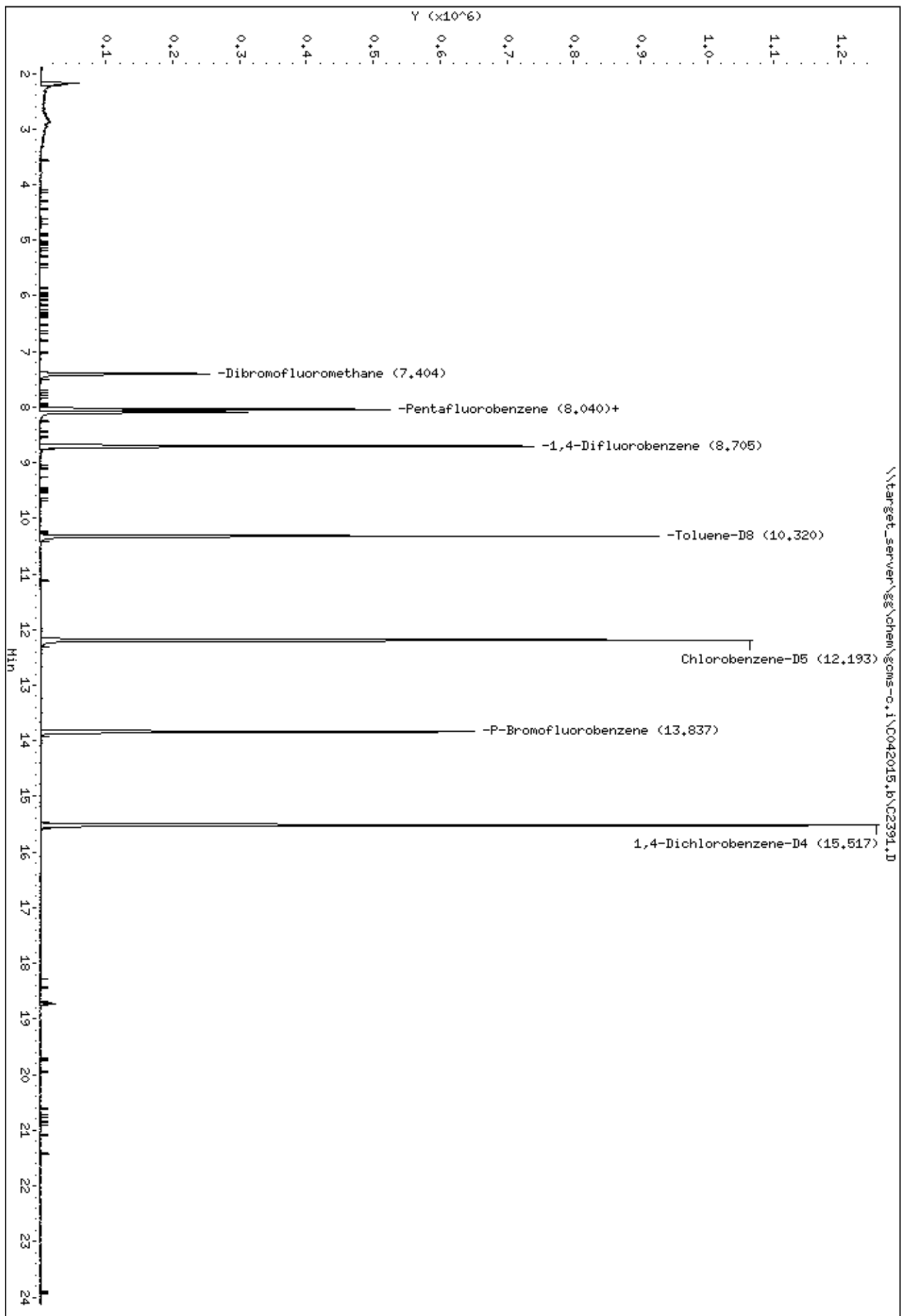
Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 37 Dibromofluoromethane	113	7.403	7.405	(0.921)	158410	55.3132	55.3		
* 42 Pentafluorobenzene	168	8.039	8.041	(1.000)	285477	50.0000			
\$ 45 1,2-Dichloroethane-D4	65	8.089	8.090	(1.006)	217660	56.8047	56.8		
* 49 1,4-Difluorobenzene	114	8.704	8.698	(1.000)	504595	50.0000			
\$ 55 Toluene-D8	98	10.320	10.321	(1.186)	526863	56.9371	56.9		
* 66 Chlorobenzene-D5	117	12.192	12.187	(1.000)	546424	50.0000			
\$ 76 P-Bromofluorobenzene	95	13.836	13.838	(1.590)	248553	51.0488	51.0		
* 91 1,4-Dichlorobenzene-D4	152	15.516	15.518	(1.000)	323722	50.0000			

Data File: \\target_server\gs\chem\goms-c.i\042015.b\02391.D
Date : 20-APR-2015 12:53
Client ID: MG161476-Blank
Sample Info: MG161476-2,SI2201

Instrument: goms-c.i



LCS Recovery Report

Client: Lab ID: WG161195-1 Client ID: LCS Project: SDG: SI2201 LCS File ID: C2275.D	Sample Date: Received Date: Extract Date: 14-APR-15 Extracted By: EME Extraction Method: SW846 5030 Lab Prep Batch: WG161195	Analysis Date: 14-APR-15 Analyst: EME Analysis Method: SW846 8260B Matrix: AQ % Solids: NA Report Date: 22-APR-15

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	39.2	50.0	19.6	ug/L	29-164
Chloromethane	60.2	50.0	30.1	ug/L	59-123
Vinyl Chloride	68.6	50.0	34.3	ug/L	64-131
Bromomethane	96.8	50.0	48.4	ug/L	57-135
Chloroethane	96.8	50.0	48.4	ug/L	53-157
Trichlorofluoromethane	86.4	50.0	43.2	ug/L	70-149
1,1-Dichloroethene	95.0	50.0	47.5	ug/L	88-127
Freon-113	96.8	50.0	48.4	ug/L	73-126
Acetone	116.	50.0	58.1	ug/L	62-172
Carbon Disulfide	92.6	50.0	46.3	ug/L	71-129
Methyl Acetate	106.	50.0	53.2	ug/L	70-132
Methylene Chloride	96.4	50.0	48.2	ug/L	72-129
trans-1,2-Dichloroethene	91.0	50.0	45.5	ug/L	78-125
Methyl tert-butyl Ether	110.	100.	110.	ug/L	81-125
1,1-Dichloroethane	100.	50.0	50.2	ug/L	76-130
cis-1,2-Dichloroethene	96.8	50.0	48.4	ug/L	85-123
2-Butanone	96.4	50.0	48.2	ug/L	71-132
Chloroform	99.6	50.0	49.8	ug/L	78-128
1,1,1-Trichloroethane	98.2	50.0	49.1	ug/L	77-129
Cyclohexane	94.0	50.0	47.0	ug/L	71-133
Carbon Tetrachloride	107.	50.0	53.6	ug/L	87-126
Benzene	97.6	50.0	48.8	ug/L	86-116
1,2-Dichloroethane	97.8	50.0	48.9	ug/L	81-125
Trichloroethene	94.0	50.0	47.0	ug/L	79-121
Methylcyclohexane	106.	50.0	53.0	ug/L	73-125
1,2-Dichloropropane	100.	50.0	50.0	ug/L	84-118
Bromodichloromethane	108.	50.0	54.0	ug/L	85-122
cis-1,3-Dichloropropene	103.	50.0	51.7	ug/L	83-119
4-Methyl-2-Pentanone	114.	50.0	56.9	ug/L	83-122
Toluene	96.8	50.0	48.4	ug/L	84-118
trans-1,3-Dichloropropene	109.	50.0	54.6	ug/L	85-135
1,1,2-Trichloroethane	97.2	50.0	48.6	ug/L	84-115
Tetrachloroethene	93.4	50.0	46.7	ug/L	47-155
2-Hexanone	92.6	50.0	46.3	ug/L	80-124
Dibromochloromethane	93.8	50.0	46.9	ug/L	85-119

LCS Recovery Report

Client: Lab ID: WG161195-1 Client ID: LCS Project: SDG: SI2201 LCS File ID: C2275.D	Sample Date: Received Date: Extract Date: 14-APR-15 Extracted By: EME Extraction Method: SW846 5030 Lab Prep Batch: WG161195	Analysis Date: 14-APR-15 Analyst: EME Analysis Method: SW846 8260B Matrix: AQ % Solids: NA Report Date: 22-APR-15

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
1,2-Dibromoethane	97.6	50.0	48.8	ug/L	84-116
Chlorobenzene	101.	50.0	50.5	ug/L	89-113
Ethylbenzene	96.4	50.0	48.2	ug/L	88-113
M+P-Xylenes	100.	100.	100.	ug/L	88-116
o-Xylene	112.	50.0	55.8	ug/L	90-116
Styrene	103.	50.0	51.4	ug/L	88-117
Bromoform	93.2	50.0	46.6	ug/L	86-117
Isopropylbenzene	108.	50.0	53.9	ug/L	96-136
1,1,2,2-Tetrachloroethane	98.6	50.0	49.3	ug/L	79-121
1,3-Dichlorobenzene	105.	50.0	52.4	ug/L	86-110
1,4-Dichlorobenzene	92.6	50.0	46.3	ug/L	86-111
1,2-Dichlorobenzene	103.	50.0	51.3	ug/L	86-112
1,2-Dibromo-3-Chloropropane	89.2	50.0	44.6	ug/L	67-124
1,2,4-Trichlorobenzene	96.4	50.0	48.2	ug/L	76-126
bromochloromethane	101.	50.0	50.7	ug/L	85-117
1,4-Dioxane	71.6	1000	716.	ug/L	10-149
1,2,3-trichlorobenzene	97.6	50.0	48.8	ug/L	70-122
1,3,5-Trimethylbenzene	96.8	50.0	48.4	ug/L	80-123
1,2,4-Trimethylbenzene	101.	50.0	50.7	ug/L	83-118
4-Chlorotoluene	106.	50.0	53.2	ug/L	81-122
n-Butylbenzene	106.	50.0	53.1	ug/L	84-121
n-Propylbenzene	110.	50.0	54.9	ug/L	83-121
Naphthalene	90.0	50.0	45.0	ug/L	62-126
p-Isopropyltoluene	110.	50.0	55.0	ug/L	88-121
sec-Butylbenzene	108.	50.0	54.0	ug/L	82-122
tert-Butylbenzene	108.	50.0	53.9	ug/L	84-121
1,2-Dichloroethane-d4	98.1				67-135
Toluene-d8	104.				65-128
P-Bromofluorobenzene	93.0				56-133
Dibromofluoromethane	93.9				68-128

Data File: \\target_server\gg\chem\gcms-c.i\C041415.b\C2275.D
Report Date: 22-Apr-2015 15:12

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041415.b\C2275.D
Lab Smp Id: WG161195-1 Client Smp ID: WG161195-LCS
Inj Date : 14-APR-2015 10:03 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG161195-1, SI2201
Misc Info : WG161195, WG160924-4, SI2201-1
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041415.b\C826A36.m
Meth Date : 22-Apr-2015 15:09 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
						ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85	1.994	1.986 (0.248)		119230	19.6384	19.6	
2 Chloromethane	50	2.229	2.229 (0.277)		239745	30.1275	30.1	
3 Vinyl chloride	62	2.330	2.322 (0.290)		201057	34.3412	34.3	
4 Bromomethane	94	2.730	2.730 (0.340)		142023	48.3529	48.4	
5 Chloroethane	64	2.880	2.880 (0.358)		112379	48.3639	48.4	
6 Trichlorofluoromethane	101	3.059	3.051 (0.380)		305418	43.2147	43.2	
7 Diethyl Ether	59	3.487	3.487 (0.434)		197236	49.4055	49.4	
8 Tertiary-butyl alcohol	59	5.346	5.353 (0.665)		125887	267.985	268	
9 1,1-Dichloroethene	96	3.752	3.745 (0.467)		195261	47.4668	47.5	
10 Carbon Disulfide	76	3.788	3.780 (0.471)		541560	46.3097	46.3	
11 Freon-113	151	3.816	3.809 (0.475)		136820	48.4239	48.4	
12 Iodomethane	142	3.959	3.952 (0.492)		184075	39.5057	39.5	
13 Acrolein	56	4.267	4.267 (0.531)		152069	244.880	245	
14 Methylene Chloride	84	4.653	4.645 (0.579)		233059	48.2213	48.2	
15 Acetone	43	4.753	4.753 (0.591)		86165	58.1206	58.1	
16 Isobutyl Alcohol	43	8.255	8.255 (1.027)		189720	1113.77	1110	
17 trans-1,2-Dichloroethene	96	4.917	4.917 (0.612)		211123	45.4649	45.5	
18 Allyl Chloride	41	4.474	4.474 (0.556)		228844	51.7268	51.7	
19 Methyl tert-butyl ether	73	5.132	5.124 (0.638)		1129661	109.702	110	
20 Acetonitrile	39	5.539	5.546 (0.689)		56419	484.932	485	
21 Di-isopropyl ether	45	5.782	5.782 (0.719)		718190	55.0180	55.0	
22 Chloroprene	53	5.911	5.911 (0.735)		364839	53.3702	53.4	
23 Propionitrile	54	7.962	7.962 (0.990)		354252	504.610	505	
24 Methacrylonitrile	41	7.991	7.984 (0.994)		1290717	511.041	511	

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT		ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.946	5.946 (0.740)	452786	50.2588	50.2	
26 Acrylonitrile	52	6.046	6.039 (0.752)	402269	255.580	256	
27 Ethyl tertiary-butyl ether	59	6.354	6.347 (0.790)	655606	55.5090	55.5	
28 Vinyl Acetate	43	6.368	6.368 (0.732)	538645	55.9183	55.9	
29 cis-1,2-Dichloroethene	96	6.761	6.761 (0.841)	232127	48.4463	48.4	
M 30 1,2-Dichloroethylene (total)	96			443250	93.9112	93.9	
31 Methyl Methacrylate	41	9.570	9.563 (1.100)	175325	49.9668	50.0	
32 2,2-Dichloropropane	77	6.904	6.904 (0.859)	400729	53.4328	53.4	
33 Bromochloromethane	128	7.040	7.033 (0.876)	97364	50.7337	50.7	
34 Chloroform	83	7.154	7.154 (0.890)	466044	49.7972	49.8	
35 Carbon Tetrachloride	117	7.319	7.312 (0.841)	302353	53.5819	53.6	
36 Tetrahydrofuran	42	7.369	7.362 (0.916)	60351	47.6140	47.6	
\$ 37 Dibromofluoromethane	113	7.405	7.405 (0.921)	164652	46.9667	47.0	
38 1,1,1-Trichloroethane	97	7.419	7.412 (0.923)	434760	49.1429	49.1	
39 1,1-Dichloropropene	75	7.583	7.583 (0.872)	338999	50.7886	50.8	
40 2-Butanone	43	7.583	7.583 (0.943)	107710	48.2264	48.2	
41 Benzene	78	7.912	7.905 (0.910)	818578	48.7865	48.8	
* 42 Pentafluorobenzene	168	8.041	8.041 (1.000)	349457	50.0000		
43 Cyclohexane	56	7.019	7.019 (0.873)	359729	47.0455	47.0	
44 Ethyl Methacrylate	69	11.057	11.057 (1.271)	244465	53.9329	53.9	
\$ 45 1,2-Dichloroethane-D4	65	8.091	8.090 (1.006)	230096	49.0560	49.0	
46 Tertiary-amyl methyl ether	73	8.076	8.076 (1.004)	489661	54.3030	54.3	
47 1,2-Dichloroethane	62	8.177	8.177 (0.940)	389718	48.8713	48.9	
48 Trichloroethene	95	8.648	8.648 (0.994)	240025	47.0075	47.0	
* 49 1,4-Difluorobenzene	114	8.698	8.698 (1.000)	595444	50.0000		
50 Dibromomethane	93	9.163	9.163 (1.053)	143062	48.0926	48.1	
51 1,2-Dichloropropane	63	9.285	9.284 (1.067)	220248	50.0358	50.0	
52 Bromodichloromethane	83	9.370	9.370 (1.077)	357722	53.9965	54.0	
53 cis-1,3-dichloropropene	75	10.107	10.106 (1.162)	367393	51.7419	51.7	
54 1,4-Dioxane	88	9.606	9.606 (1.104)	49727	715.717	716	
\$ 55 Toluene-D8	98	10.321	10.321 (1.187)	569640	52.1675	52.2	
56 2-Chloroethylvinylether	63	10.049	10.049 (1.155)	16167	166.450	166(R)	
57 Toluene	92	10.378	10.378 (1.193)	526200	48.4209	48.4	
58 4-methyl-2-pentanone	43	10.828	10.828 (1.245)	216235	56.8909	56.9	
59 Tetrachloroethene	164	10.821	10.821 (0.887)	172887	46.7087	46.7	
60 trans-1,3-Dichloropropene	75	10.871	10.871 (1.250)	363616	54.6116	54.6	
61 1,1,2-Trichloroethane	83	11.057	11.057 (1.271)	162254	48.5925	48.6	
62 Dibromochloromethane	129	11.272	11.264 (0.924)	232809	46.8652	46.9	
63 1,3-Dichloropropane	76	11.386	11.379 (0.934)	363981	49.0567	49.0	
64 1,2-Dibromoethane	107	11.550	11.550 (1.328)	212200	48.8434	48.8	
65 2-Hexanone	43	11.836	11.836 (0.971)	156255	46.3085	46.3	
* 66 Chlorobenzene-D5	117	12.194	12.187 (1.000)	579823	50.0000		
67 Chlorobenzene	112	12.215	12.208 (1.002)	599322	50.5233	50.5	
152 1-Chlorohexane	91	12.187	12.179 (0.999)	343422	50.3297	50.3	
68 Ethylbenzene	106	12.244	12.244 (1.004)	324307	48.2067	48.2	
69 1,1,1,2-Tetrachloroethane	131	12.294	12.294 (1.008)	231746	51.7758	51.8	
M 70 Xylenes (total)	106			1188637	156.347	156	
71 m+p-Xylenes	106	12.437	12.437 (1.020)	788854	100.550	100	
72 o-Xylene	106	13.001	13.001 (1.066)	399783	55.7965	55.8	
73 Styrene	104	13.080	13.080 (1.073)	657615	51.3519	51.4	
74 Bromoform	173	13.116	13.116 (1.076)	147089	46.5714	46.6	
75 Isopropylbenzene	105	13.437	13.437 (0.866)	1122933	53.9215	53.9	
\$ 76 P-Bromofluorobenzene	95	13.838	13.838 (1.591)	267264	46.5168	46.5	
77 cis-1,4-Dichloro-2-Butene	53	13.938	13.938 (0.898)	111274	49.3503	49.4	

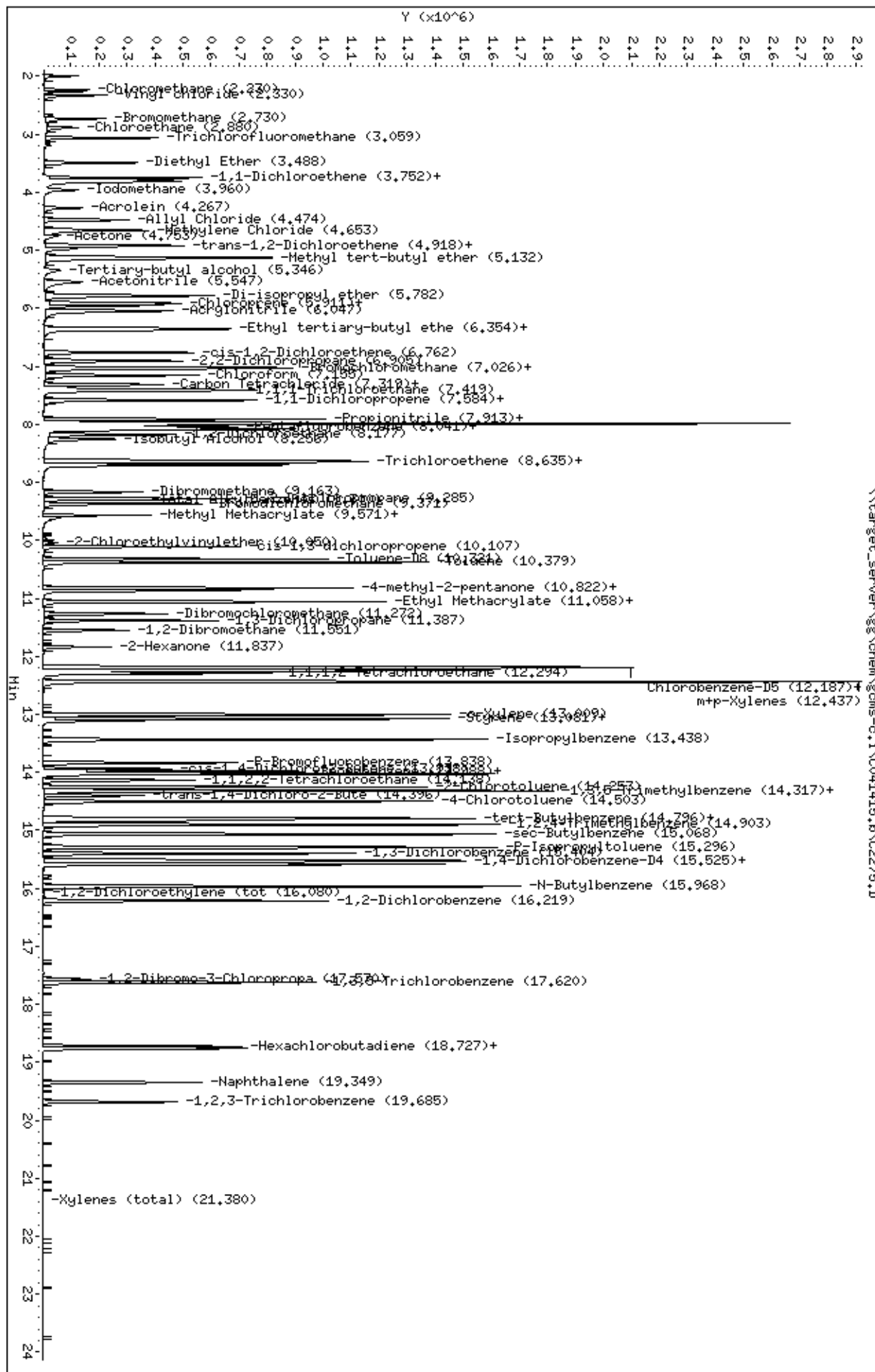
Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS						ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
78 trans-1,4-Dichloro-2-Butene	53		14.395	14.395	(0.928)	89119	48.8462	48.8	
79 Bromobenzene	156		13.988	13.981	(0.901)	253344	49.8181	49.8	
80 N-Propylbenzene	91		14.024	14.024	(0.904)	1395008	54.9033	54.9	
81 1,1,2,2-Tetrachloroethane	83		14.138	14.131	(0.911)	287406	49.2719	49.3	
82 1,3,5-Trimethylbenzene	105		14.317	14.317	(0.923)	957266	48.3547	48.4	
83 2-Chlorotoluene	91		14.252	14.252	(0.918)	862553	51.7255	51.7	
84 1,2,3-Trichloropropane	75		14.331	14.331	(0.924)	251580	48.3103	48.3	
85 4-Chlorotoluene	91		14.503	14.502	(0.935)	900365	53.2557	53.2	
86 tert-Butylbenzene	119		14.796	14.788	(0.953)	936422	53.9447	53.9	
87 Pentachloroethane	117		14.824	14.824	(0.955)	186452	52.0796	52.1	
88 1,2,4-Trimethylbenzene	105		14.903	14.903	(0.960)	982821	50.6664	50.7	
89 P-Isopropyltoluene	119		15.296	15.296	(0.986)	1038668	54.9632	55.0	
90 1,3-Dichlorobenzene	146		15.403	15.396	(0.993)	480732	52.3646	52.4	
* 91 1,4-Dichlorobenzene-D4	152		15.518	15.518	(1.000)	354327	50.0000		
92 1,4-Dichlorobenzene	146		15.539	15.539	(1.001)	462573	46.3479	46.3	
93 N-Butylbenzene	91		15.968	15.968	(1.029)	1052350	53.0996	53.1	
94 sec-Butylbenzene	105		15.067	15.067	(0.971)	1249910	54.0122	54.0	
95 1,2-Dichlorobenzene	146		16.218	16.218	(1.045)	426183	51.3008	51.3	
96 1,2-Dibromo-3-Chloropropane	75		17.562	17.562	(1.132)	52774	44.5622	44.6	
97 1,3,5-Trichlorobenzene	180		17.619	17.619	(1.135)	317843	50.4496	50.4	
98 Hexachlorobutadiene	225		18.727	18.720	(1.207)	159330	50.5741	50.6	
99 1,2,4-Trichlorobenzene	180		18.763	18.763	(1.209)	240846	48.1624	48.2	
100 1,2,3-Trimethylbenzene	105		15.582	15.582	(1.004)	902209	49.5627	49.6	
101 Naphthalene	128		19.349	19.349	(1.247)	456859	44.9791	45.0	
102 1,2,3-Trichlorobenzene	180		19.685	19.685	(1.269)	158259	48.8496	48.8	
103 Methyl Acetate	43		4.974	4.967	(0.619)	187003	53.1851	53.2	
104 Methylcyclohexane	83		8.627	8.627	(1.073)	397664	53.0182	53.0	
M 153 Total Alkylbenzenes	100					7612445	369.944	370	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gs\chem\gms-c.i\CD041415.b\CD2275.D
 Date : 14-APR-2015 10:03
 Client ID: MG161195-LCS
 Sample Info: MG161195-1,SI2201
 Purge Volume: 5.0
 Column phase: RTX-VHS

Instrument: gms-c.i
 Operator: EHE
 Column diameter: 0.18



LCS Recovery Report

Client:
Lab ID: WG161248-1
Client ID: LCS
Project:
SDG: SI2201
LCS File ID: C2299.D

Sample Date:
Received Date:
Extract Date: 15-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161248

Analysis Date: 15-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 22-APR-15

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	29.6	50.0	14.8	ug/L	29-164
Chloromethane	* 48.0	50.0	24.0	ug/L	59-123
Vinyl Chloride	* 62.6	50.0	31.3	ug/L	64-131
Bromomethane	* 51.8	50.0	25.9	ug/L	57-135
Chloroethane	82.8	50.0	41.4	ug/L	53-157
Trichlorofluoromethane	78.8	50.0	39.4	ug/L	70-149
1,1-Dichloroethene	90.8	50.0	45.4	ug/L	88-127
Freon-113	99.4	50.0	49.7	ug/L	73-126
Acetone	130.	50.0	64.8	ug/L	62-172
Carbon Disulfide	90.6	50.0	45.3	ug/L	71-129
Methyl Acetate	111.	50.0	55.7	ug/L	70-132
Methylene Chloride	93.6	50.0	46.8	ug/L	72-129
trans-1,2-Dichloroethene	89.6	50.0	44.8	ug/L	78-125
Methyl tert-butyl Ether	108.	100.	108.	ug/L	81-125
1,1-Dichloroethane	99.2	50.0	49.6	ug/L	76-130
cis-1,2-Dichloroethene	97.6	50.0	48.8	ug/L	85-123
2-Butanone	112.	50.0	55.8	ug/L	71-132
Chloroform	98.0	50.0	49.0	ug/L	78-128
1,1,1-Trichloroethane	94.0	50.0	47.0	ug/L	77-129
Cyclohexane	94.6	50.0	47.3	ug/L	71-133
Carbon Tetrachloride	106.	50.0	53.0	ug/L	87-126
Benzene	96.2	50.0	48.1	ug/L	86-116
1,2-Dichloroethane	91.6	50.0	45.8	ug/L	81-125
Trichloroethene	93.6	50.0	46.8	ug/L	79-121
Methylcyclohexane	107.	50.0	53.4	ug/L	73-125
1,2-Dichloropropane	101.	50.0	50.7	ug/L	84-118
Bromodichloromethane	107.	50.0	53.4	ug/L	85-122
cis-1,3-Dichloropropene	104.	50.0	52.0	ug/L	83-119
4-Methyl-2-Pentanone	121.	50.0	60.4	ug/L	83-122
Toluene	97.0	50.0	48.5	ug/L	84-118
trans-1,3-Dichloropropene	106.	50.0	53.2	ug/L	85-135
1,1,2-Trichloroethane	99.4	50.0	49.7	ug/L	84-115
Tetrachloroethene	91.0	50.0	45.5	ug/L	47-155
2-Hexanone	99.2	50.0	49.6	ug/L	80-124
Dibromochloromethane	92.8	50.0	46.4	ug/L	85-119

LCS Recovery Report

Client:
Lab ID: WG161248-1
Client ID: LCS
Project:
SDG: SI2201
LCS File ID: C2299.D

Sample Date:
Received Date:
Extract Date: 15-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161248

Analysis Date: 15-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 22-APR-15

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
1,2-Dibromoethane	98.6	50.0	49.3	ug/L	84-116
Chlorobenzene	101.	50.0	50.6	ug/L	89-113
Ethylbenzene	95.4	50.0	47.7	ug/L	88-113
M+P-Xylenes	99.6	100.	99.6	ug/L	88-116
o-Xylene	108.	50.0	53.8	ug/L	90-116
Styrene	103.	50.0	51.6	ug/L	88-117
Bromoform	95.0	50.0	47.5	ug/L	86-117
Isopropylbenzene	107.	50.0	53.4	ug/L	96-136
1,1,2,2-Tetrachloroethane	101.	50.0	50.4	ug/L	79-121
1,3-Dichlorobenzene	104.	50.0	51.8	ug/L	86-110
1,4-Dichlorobenzene	93.4	50.0	46.7	ug/L	86-111
1,2-Dichlorobenzene	105.	50.0	52.4	ug/L	86-112
1,2-Dibromo-3-Chloropropane	102.	50.0	51.1	ug/L	67-124
1,2,4-Trichlorobenzene	98.0	50.0	49.0	ug/L	76-126
bromochloromethane	99.4	50.0	49.7	ug/L	85-117
1,4-Dioxane	85.6	1000	856.	ug/L	10-149
1,2,3-trichlorobenzene	101.	50.0	50.4	ug/L	70-122
1,3,5-Trimethylbenzene	97.2	50.0	48.6	ug/L	80-123
1,2,4-Trimethylbenzene	101.	50.0	50.4	ug/L	83-118
4-Chlorotoluene	109.	50.0	54.3	ug/L	81-122
n-Butylbenzene	107.	50.0	53.4	ug/L	84-121
n-Propylbenzene	109.	50.0	54.4	ug/L	83-121
Naphthalene	98.0	50.0	49.0	ug/L	62-126
p-Isopropyltoluene	110.	50.0	55.2	ug/L	88-121
sec-Butylbenzene	107.	50.0	53.3	ug/L	82-122
tert-Butylbenzene	107.	50.0	53.5	ug/L	84-121
1,2-Dichloroethane-d4	97.8				67-135
Toluene-d8	106.				65-128
P-Bromofluorobenzene	94.9				56-133
Dibromofluoromethane	94.8				68-128

Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2299.D
Report Date: 22-Apr-2015 15:19

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041515.b\C2299.D
Lab Smp Id: WG161248-1 Client Smp ID: WG161248-LCS
Inj Date : 15-APR-2015 10:05 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG161248-1, SI2201
Misc Info : WG161248, WG160924-4, SI2201-2
Comment : SW846 5030, AQ
Method : \\target_server\gg\chem\gcms-c.i\C041515.b\C826A36.m
Meth Date : 22-Apr-2015 15:13 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
						ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85	1.988	1.986 (0.247)		90096	14.7646	14.8	
2 Chloromethane	50	2.224	2.229 (0.277)		192304	24.0435	24.0(R)	
3 Vinyl chloride	62	2.331	2.322 (0.290)		184469	31.3484	31.3(R)	
4 Bromomethane	94	2.725	2.730 (0.339)		77357	25.8961	25.9(R)	
5 Chloroethane	64	2.882	2.880 (0.358)		97844	41.3996	41.4	
6 Trichlorofluoromethane	101	3.061	3.051 (0.381)		280096	39.4312	39.4	
7 Diethyl Ether	59	3.489	3.487 (0.434)		194301	48.4240	48.4	
8 Tertiary-butyl alcohol	59	5.341	5.353 (0.664)		122161	258.737	259	
9 1,1-Dichloroethene	96	3.754	3.745 (0.467)		187904	45.4471	45.4	
10 Carbon Disulfide	76	3.782	3.780 (0.470)		532585	45.3117	45.3	
11 Freon-113	151	3.811	3.809 (0.474)		141125	49.6948	49.7	
12 Iodomethane	142	3.954	3.952 (0.492)		165045	35.2422	35.2	
13 Acrolein	56	4.269	4.267 (0.531)		158658	254.197	254	
14 Methylene Chloride	84	4.647	4.645 (0.578)		227371	46.7817	46.8	
15 Acetone	43	4.755	4.753 (0.591)		96580	64.8161	64.8	
16 Isobutyl Alcohol	43	8.250	8.255 (1.026)		222782	1301.24	1300	
17 trans-1,2-Dichloroethene	96	4.919	4.917 (0.612)		209361	44.8572	44.8	
18 Allyl Chloride	41	4.476	4.474 (0.557)		235594	52.9829	53.0	
19 Methyl tert-butyl ether	73	5.126	5.124 (0.637)		1113028	107.539	108	
20 Acetonitrile	39	5.541	5.546 (0.689)		64911	555.098	555	
21 Di-isopropyl ether	45	5.784	5.782 (0.719)		729738	55.6197	55.6	
22 Chloroprene	53	5.913	5.911 (0.735)		367807	53.5320	53.5	
23 Propionitrile	54	7.964	7.962 (0.990)		388570	550.693	551	
24 Methacrylonitrile	41	7.985	7.984 (0.993)		1328774	523.445	523	

Data File: \\target_server\gg\chem\gcms-c.i\C041515.b\C2299.D
Report Date: 22-Apr-2015 15:19

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT		ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.948	5.946 (0.740)	449299	49.6193	49.6	
26 Acrylonitrile	52	6.041	6.039 (0.751)	422903	267.329	267	
27 Ethyl tertiary-butyl ether	59	6.349	6.347 (0.789)	663348	55.8802	55.9	
28 Vinyl Acetate	43	6.370	6.368 (0.732)	532957	54.6693	54.7	
29 cis-1,2-Dichloroethene	96	6.763	6.761 (0.841)	234783	48.7526	48.8	
M 30 1,2-Dichloroethylene (total)	96			444144	93.6098	93.6	
31 Methyl Methacrylate	41	9.565	9.563 (1.099)	181236	51.0335	51.0	
32 2,2-Dichloropropane	77	6.906	6.904 (0.859)	397400	52.7207	52.7	
33 Bromochloromethane	128	7.035	7.033 (0.875)	95935	49.7361	49.7	
34 Chloroform	83	7.156	7.154 (0.890)	460908	48.9992	49.0	
35 Carbon Tetrachloride	117	7.321	7.312 (0.841)	302934	53.0459	53.0	
36 Tetrahydrofuran	42	7.364	7.362 (0.916)	66084	51.8731	51.9	
\$ 37 Dibromofluoromethane	113	7.399	7.405 (0.920)	167063	47.4132	47.4	
38 1,1,1-Trichloroethane	97	7.414	7.412 (0.922)	418151	47.0262	47.0	
39 1,1-Dichloropropene	75	7.585	7.583 (0.872)	334389	49.5017	49.5	
40 2-Butanone	43	7.585	7.583 (0.943)	123160	55.7781	55.8	
41 Benzene	78	7.907	7.905 (0.909)	817023	48.1143	48.1	
* 42 Pentafluorobenzene	168	8.043	8.041 (1.000)	351235	50.0000		
43 Cyclohexane	56	7.021	7.019 (0.873)	363615	47.3130	47.3	
44 Ethyl Methacrylate	69	11.059	11.057 (1.271)	251186	54.7562	54.8	
\$ 45 1,2-Dichloroethane-D4	65	8.093	8.090 (1.006)	230533	48.9004	48.9	
46 Tertiary-amyl methyl ether	73	8.078	8.076 (1.004)	504158	55.6277	55.6	
47 1,2-Dichloroethane	62	8.178	8.177 (0.940)	369332	45.7636	45.8	
48 Trichloroethene	95	8.650	8.648 (0.994)	241611	46.7549	46.8	
* 49 1,4-Difluorobenzene	114	8.700	8.698 (1.000)	602616	50.0000		
50 Dibromomethane	93	9.165	9.163 (1.053)	141201	46.9021	46.9	
51 1,2-Dichloropropane	63	9.286	9.284 (1.067)	226051	50.7429	50.7	
52 Bromodichloromethane	83	9.365	9.370 (1.076)	358317	53.4426	53.4	
53 cis-1,3-dichloropropene	75	10.108	10.106 (1.162)	373659	51.9980	52.0	
54 1,4-Dioxane	88	9.615	9.606 (1.105)	60156	855.517	856	
\$ 55 Toluene-D8	98	10.323	10.321 (1.186)	586620	53.0831	53.1	
56 2-Chloroethylvinylether	63	10.044	10.049 (1.154)	19274	213.481	213(AR)	
57 Toluene	92	10.380	10.378 (1.193)	533336	48.4935	48.5	
58 4-methyl-2-pentanone	43	10.830	10.828 (1.245)	232504	60.4432	60.4	
59 Tetrachloroethene	164	10.823	10.821 (0.888)	173495	45.5268	45.5	
60 trans-1,3-Dichloropropene	75	10.866	10.871 (1.249)	358390	53.1861	53.2	
61 1,1,2-Trichloroethane	83	11.059	11.057 (1.271)	167868	49.6755	49.7	
62 Dibromochloromethane	129	11.266	11.264 (0.924)	237540	46.4520	46.4	
63 1,3-Dichloropropane	76	11.381	11.379 (0.934)	368014	48.1758	48.2	
64 1,2-Dibromoethane	107	11.552	11.550 (1.328)	216671	49.2789	49.3	
65 2-Hexanone	43	11.838	11.836 (0.971)	170194	49.5933	49.6	
* 66 Chlorobenzene-D5	117	12.189	12.187 (1.000)	596967	50.0000		
67 Chlorobenzene	112	12.210	12.208 (1.002)	617448	50.5565	50.6	
152 1-Chlorohexane	91	12.181	12.179 (0.999)	343211	48.8543	48.8	
68 Ethylbenzene	106	12.246	12.244 (1.005)	330134	47.6636	47.7	
69 1,1,1,2-Tetrachloroethane	131	12.296	12.294 (1.009)	238029	51.6523	51.6	
M 70 Xylenes (total)	106			1201723	153.445	153	
71 m+p-Xylenes	106	12.432	12.437 (1.020)	804610	99.6133	99.6	
72 o-Xylene	106	13.003	13.001 (1.067)	397113	53.8321	53.8	
73 Styrene	104	13.082	13.080 (1.073)	680272	51.5956	51.6	
74 Bromoform	173	13.118	13.116 (1.076)	154467	47.4782	47.5	
75 Isopropylbenzene	105	13.432	13.437 (0.866)	1144916	53.4321	53.4	
\$ 76 P-Bromofluorobenzene	95	13.833	13.838 (1.590)	275986	47.4631	47.5	
77 cis-1,4-Dichloro-2-Butene	53	13.940	13.938 (0.898)	115504	49.7759	49.8	

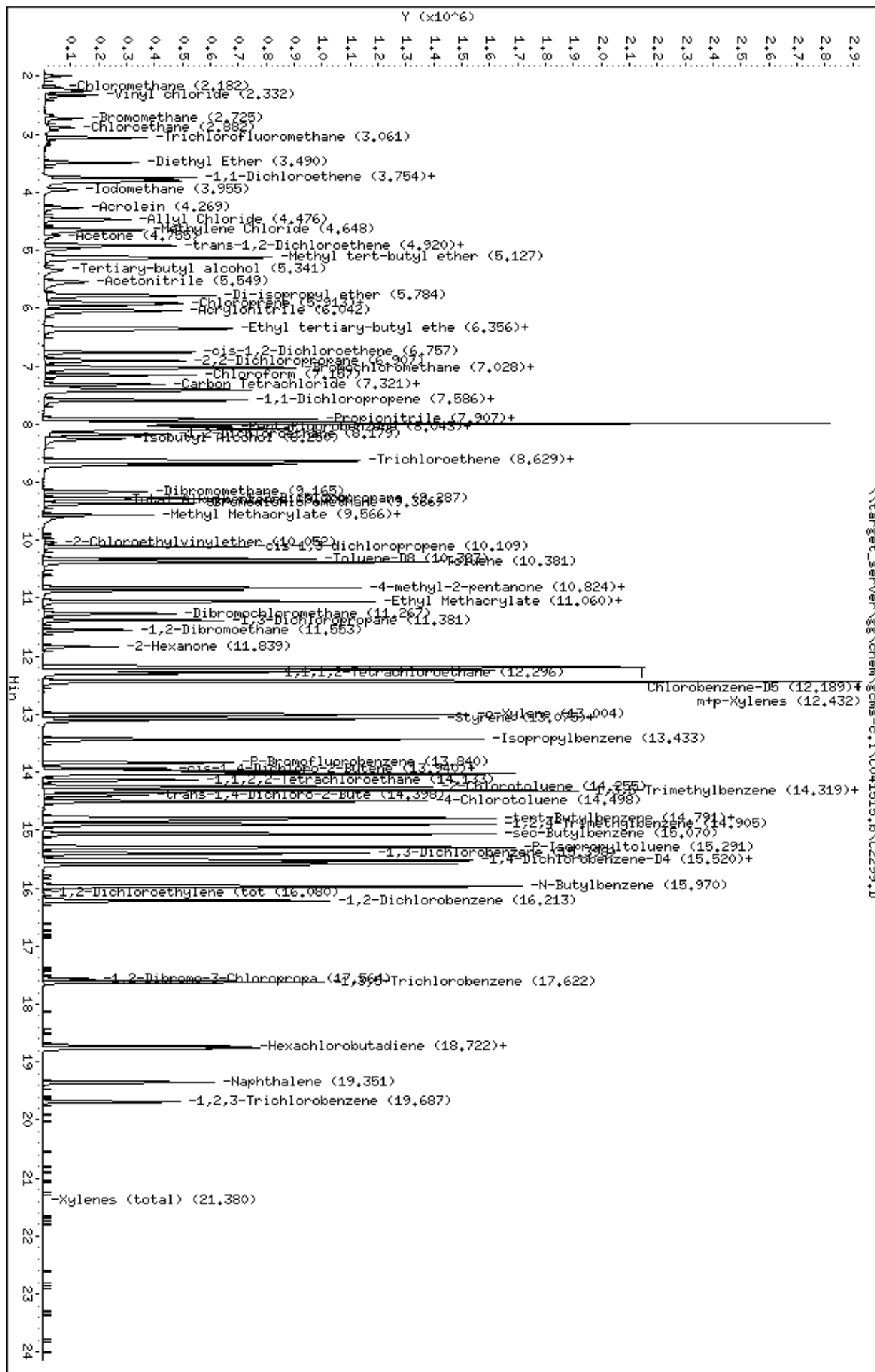
Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT REL RT		ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====
78 trans-1,4-Dichloro-2-Butene	53	14.397	14.395 (0.928)	92093	49.0556	49.0	
79 Bromobenzene	156	13.990	13.981 (0.901)	260455	49.7771	49.8	
80 N-Propylbenzene	91	14.026	14.024 (0.904)	1422903	54.4274	54.4	
81 1,1,2,2-Tetrachloroethane	83	14.133	14.131 (0.911)	302310	50.3706	50.4	
82 1,3,5-Trimethylbenzene	105	14.319	14.317 (0.923)	989524	48.5795	48.6	
83 2-Chlorotoluene	91	14.254	14.252 (0.918)	888786	51.8008	51.8	
84 1,2,3-Trichloropropane	75	14.333	14.331 (0.924)	261327	48.7718	48.8	
85 4-Chlorotoluene	91	14.497	14.502 (0.934)	943982	54.2666	54.3	
86 tert-Butylbenzene	119	14.790	14.788 (0.953)	955712	53.5088	53.5	
87 Pentachloroethane	117	14.826	14.824 (0.955)	197728	53.6772	53.7	
88 1,2,4-Trimethylbenzene	105	14.905	14.903 (0.960)	1006253	50.4167	50.4	
89 P-Isopropyltoluene	119	15.291	15.296 (0.985)	1073286	55.1991	55.2	
90 1,3-Dichlorobenzene	146	15.398	15.396 (0.992)	489598	51.8317	51.8	
* 91 1,4-Dichlorobenzene-D4	152	15.519	15.518 (1.000)	364572	50.0000		
92 1,4-Dichlorobenzene	146	15.541	15.539 (1.001)	479505	46.6943	46.7	
93 N-Butylbenzene	91	15.970	15.968 (1.029)	1088361	53.3893	53.4	
94 sec-Butylbenzene	105	15.069	15.067 (0.971)	1269418	53.3137	53.3	
95 1,2-Dichlorobenzene	146	16.213	16.218 (1.045)	447537	52.3574	52.4	
96 1,2-Dibromo-3-Chloropropane	75	17.564	17.562 (1.132)	62532	51.0816	51.1	
97 1,3,5-Trichlorobenzene	180	17.621	17.619 (1.135)	329731	50.8658	50.9	
98 Hexachlorobutadiene	225	18.722	18.720 (1.206)	163799	50.5299	50.5	
99 1,2,4-Trichlorobenzene	180	18.758	18.763 (1.209)	252206	49.0167	49.0	
100 1,2,3-Trimethylbenzene	105	15.584	15.582 (1.004)	931218	49.7188	49.7	
101 Naphthalene	128	19.351	19.349 (1.247)	514229	49.0352	49.0	
102 1,2,3-Trichlorobenzene	180	19.687	19.685 (1.269)	167903	50.3691	50.4	
103 Methyl Acetate	43	4.969	4.967 (0.618)	196886	55.7125	55.7	
104 Methylcyclohexane	83	8.629	8.627 (1.073)	402271	53.3610	53.4	
M 153 Total Alkylbenzenes	100			7805457	368.834	369	

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gs\chem\goms-c.i\CD041515.b\CD2299.D
 Date : 15-APR-2015 10:05
 Client ID: MG161248-LCS
 Sample Info: MG161248-1,SI12201
 Purge Volume: 5.0
 Column phase: RTX-VHS

Instrument: goms-c.i
 Operator: EHE
 Column diameter: 0.18



LCS Recovery Report

Client: Lab ID: WG161286-1 Client ID: LCS Project: SDG: SI2201 LCS File ID: C2333.D	Sample Date: Received Date: Extract Date: 16-APR-15 Extracted By: EME Extraction Method: SW846 5030 Lab Prep Batch: WG161286	Analysis Date: 16-APR-15 Analyst: EME Analysis Method: SW846 8260B Matrix: AQ % Solids: NA Report Date: 22-APR-15

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	88.8	50.0	44.4	ug/L	29-164
Chloromethane	66.4	50.0	33.2	ug/L	59-123
Vinyl Chloride	77.8	50.0	38.9	ug/L	64-131
Bromomethane	66.4	50.0	33.2	ug/L	57-135
Chloroethane	91.6	50.0	45.8	ug/L	53-157
Trichlorofluoromethane	85.8	50.0	42.9	ug/L	70-149
1,1-Dichloroethene	92.6	50.0	46.3	ug/L	88-127
Freon-113	84.6	50.0	42.3	ug/L	73-126
Acetone	108.	50.0	54.1	ug/L	62-172
Carbon Disulfide	* 66.6	50.0	33.3	ug/L	71-129
Methyl Acetate	104.	50.0	51.8	ug/L	70-132
Methylene Chloride	93.8	50.0	46.9	ug/L	72-129
trans-1,2-Dichloroethene	88.8	50.0	44.4	ug/L	78-125
Methyl tert-butyl Ether	106.	100.	106.	ug/L	81-125
1,1-Dichloroethane	102.	50.0	50.9	ug/L	76-130
cis-1,2-Dichloroethene	96.6	50.0	48.3	ug/L	85-123
2-Butanone	98.0	50.0	49.0	ug/L	71-132
Chloroform	99.0	50.0	49.5	ug/L	78-128
1,1,1-Trichloroethane	95.4	50.0	47.7	ug/L	77-129
Cyclohexane	100.	50.0	50.1	ug/L	71-133
Carbon Tetrachloride	107.	50.0	53.7	ug/L	87-126
Benzene	94.6	50.0	47.3	ug/L	86-116
1,2-Dichloroethane	92.4	50.0	46.2	ug/L	81-125
Trichloroethene	90.6	50.0	45.3	ug/L	79-121
Methylcyclohexane	97.4	50.0	48.7	ug/L	73-125
1,2-Dichloropropane	101.	50.0	50.3	ug/L	84-118
Bromodichloromethane	106.	50.0	53.0	ug/L	85-122
cis-1,3-Dichloropropene	102.	50.0	51.1	ug/L	83-119
4-Methyl-2-Pentanone	115.	50.0	57.7	ug/L	83-122
Toluene	94.8	50.0	47.4	ug/L	84-118
trans-1,3-Dichloropropene	105.	50.0	52.6	ug/L	85-135
1,1,2-Trichloroethane	97.4	50.0	48.7	ug/L	84-115
Tetrachloroethene	87.8	50.0	43.9	ug/L	47-155
2-Hexanone	92.4	50.0	46.2	ug/L	80-124
Dibromochloromethane	95.2	50.0	47.6	ug/L	85-119

LCS Recovery Report

Client:
Lab ID: WG161286-1
Client ID: LCS
Project:
SDG: SI2201
LCS File ID: C2333.D

Sample Date:
Received Date:
Extract Date: 16-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161286

Analysis Date: 16-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 22-APR-15

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
1,2-Dibromoethane	95.6	50.0	47.8	ug/L	84-116
Chlorobenzene	99.4	50.0	49.7	ug/L	89-113
Ethylbenzene	93.2	50.0	46.6	ug/L	88-113
M+P-Xylenes	98.6	100.	98.6	ug/L	88-116
o-Xylene	107.	50.0	53.7	ug/L	90-116
Styrene	101.	50.0	50.4	ug/L	88-117
Bromoform	90.0	50.0	45.0	ug/L	86-117
Isopropylbenzene	104.	50.0	51.8	ug/L	96-136
1,1,2,2-Tetrachloroethane	93.8	50.0	46.9	ug/L	79-121
1,3-Dichlorobenzene	99.8	50.0	49.9	ug/L	86-110
1,4-Dichlorobenzene	89.4	50.0	44.7	ug/L	86-111
1,2-Dichlorobenzene	99.2	50.0	49.6	ug/L	86-112
1,2-Dibromo-3-Chloropropane	93.0	50.0	46.5	ug/L	67-124
1,2,4-Trichlorobenzene	90.2	50.0	45.1	ug/L	76-126
bromochloromethane	102.	50.0	50.9	ug/L	85-117
1,4-Dioxane	79.1	1000	791.	ug/L	10-149
1,2,3-trichlorobenzene	91.2	50.0	45.6	ug/L	70-122
1,3,5-Trimethylbenzene	94.4	50.0	47.2	ug/L	80-123
1,2,4-Trimethylbenzene	96.6	50.0	48.3	ug/L	83-118
4-Chlorotoluene	103.	50.0	51.6	ug/L	81-122
n-Butylbenzene	102.	50.0	50.9	ug/L	84-121
n-Propylbenzene	105.	50.0	52.3	ug/L	83-121
Naphthalene	89.0	50.0	44.5	ug/L	62-126
p-Isopropyltoluene	105.	50.0	52.5	ug/L	88-121
sec-Butylbenzene	103.	50.0	51.5	ug/L	82-122
tert-Butylbenzene	104.	50.0	51.9	ug/L	84-121
1,2-Dichloroethane-d4	97.1				67-135
Toluene-d8	104.				65-128
P-Bromofluorobenzene	96.2				56-133
Dibromofluoromethane	92.0				68-128

Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2333.D
Report Date: 22-Apr-2015 16:06

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041615.b\C2333.D
Lab Smp Id: WG161286-1 Client Smp ID: WG161286-LCS
Inj Date : 16-APR-2015 09:26 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG161286-1, SI2201
Misc Info : WG161286, WG160924-4, SI2201-14
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041615.b\C826A36.m
Meth Date : 22-Apr-2015 15:23 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SW8260-S.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
						ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85	1.987	1.986 (0.247)		279741	44.4167	44.4	
2 Chloromethane	50	2.230	2.229 (0.277)		274170	33.2126	33.2	
3 Vinyl chloride	62	2.330	2.322 (0.290)		236434	38.9292	38.9	
4 Bromomethane	94	2.723	2.730 (0.339)		101937	33.2485	33.2	
5 Chloroethane	64	2.880	2.880 (0.358)		110794	45.7805	45.8	
6 Trichlorofluoromethane	101	3.059	3.051 (0.380)		314691	42.9230	42.9	
7 Diethyl Ether	59	3.488	3.487 (0.434)		192251	46.4223	46.4	
8 Tertiary-butyl alcohol	59	5.346	5.353 (0.665)		126161	258.895	259	
9 1,1-Dichloroethene	96	3.745	3.745 (0.466)		197481	46.2774	46.3	
10 Carbon Disulfide	76	3.781	3.780 (0.470)		404341	33.3305	33.3	
11 Freon-113	151	3.810	3.809 (0.474)		124114	42.3448	42.3	
12 Iodomethane	142	3.960	3.952 (0.492)		152458	31.5416	31.5	
13 Acrolein	56	4.267	4.267 (0.531)		150435	233.524	234	
14 Methylene Chloride	84	4.646	4.645 (0.578)		235131	46.8748	46.9	
15 Acetone	43	4.753	4.753 (0.591)		83216	54.1097	54.1	
16 Isobutyl Alcohol	43	8.249	8.255 (1.026)		195527	1106.51	1110	
17 trans-1,2-Dichloroethene	96	4.918	4.917 (0.612)		213653	44.3525	44.4	
18 Allyl Chloride	41	4.474	4.474 (0.556)		225638	49.1651	49.2	
19 Methyl tert-butyl ether	73	5.125	5.124 (0.637)		1138637	106.591	106	
20 Acetonitrile	39	5.539	5.546 (0.689)		65295	541.009	541	
21 Di-isopropyl ether	45	5.782	5.782 (0.719)		697997	51.5452	51.5	
22 Chloroprene	53	5.911	5.911 (0.735)		342811	48.3416	48.3	
23 Propionitrile	54	7.963	7.962 (0.990)		375484	515.590	516	
24 Methacrylonitrile	41	7.984	7.984 (0.993)		1301628	496.798	497	

Compounds	QUANT SIG			REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT			ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.947	5.946 (0.740)		475570	50.8865	50.9	
26 Acrylonitrile	52	6.040	6.039 (0.751)		416793	255.270	255	
27 Ethyl tertiary-butyl ether	59	6.347	6.347 (0.789)		634327	51.7729	51.8	
28 Vinyl Acetate	43	6.369	6.368 (0.732)		528342	52.4995	52.5	
29 cis-1,2-Dichloroethene	96	6.755	6.761 (0.840)		239911	48.2674	48.3	
M 30 1,2-Dichloroethylene (total)	96				453564	92.6199	92.6	
31 Methyl Methacrylate	41	9.564	9.563 (1.099)		179826	49.0572	49.0	
32 2,2-Dichloropropane	77	6.905	6.904 (0.859)		410858	52.8102	52.8	
33 Bromochloromethane	128	7.033	7.033 (0.875)		101361	50.9141	50.9	
34 Chloroform	83	7.155	7.154 (0.890)		480515	49.4942	49.5	
35 Carbon Tetrachloride	117	7.312	7.312 (0.841)		316570	53.6986	53.7	
36 Tetrahydrofuran	42	7.362	7.362 (0.916)		68752	52.2883	52.3	
\$ 37 Dibromofluoromethane	113	7.398	7.405 (0.920)		167249	45.9892	46.0	
38 1,1,1-Trichloroethane	97	7.412	7.412 (0.922)		437546	47.6764	47.7	
39 1,1-Dichloropropene	75	7.584	7.583 (0.872)		340268	48.7953	48.8	
40 2-Butanone	43	7.584	7.583 (0.943)		113432	49.0598	49.0	
41 Benzene	78	7.905	7.905 (0.909)		828619	47.2698	47.3	
* 42 Pentafluorobenzene	168	8.041	8.041 (1.000)		362514	50.0000		
43 Cyclohexane	56	7.019	7.019 (0.873)		397161	50.0700	50.1	
44 Ethyl Methacrylate	69	11.058	11.057 (1.271)		244493	51.6289	51.6	
\$ 45 1,2-Dichloroethane-D4	65	8.084	8.090 (1.005)		236190	48.5416	48.5	
46 Tertiary-amyl methyl ether	73	8.077	8.076 (1.004)		474587	50.7356	50.7	
47 1,2-Dichloroethane	62	8.177	8.177 (0.940)		384744	46.1811	46.2	
48 Trichloroethene	95	8.649	8.648 (0.994)		241565	45.2828	45.3	
* 49 1,4-Difluorobenzene	114	8.699	8.698 (1.000)		622088	50.0000		
50 Dibromomethane	93	9.163	9.163 (1.053)		139708	44.9536	45.0	
51 1,2-Dichloropropane	63	9.285	9.284 (1.067)		231147	50.2627	50.3	
52 Bromodichloromethane	83	9.364	9.370 (1.076)		366798	52.9951	53.0	
53 cis-1,3-dichloropropene	75	10.107	10.106 (1.162)		379180	51.1147	51.1	
54 1,4-Dioxane	88	9.607	9.606 (1.104)		57428	791.156	791	
\$ 55 Toluene-D8	98	10.321	10.321 (1.187)		591486	51.8481	51.8	
56 2-Chloroethylvinylether	63	10.050	10.049 (1.155)		17928	182.095	182(R)	
57 Toluene	92	10.379	10.378 (1.193)		538822	47.4588	47.4	
58 4-methyl-2-pentanone	43	10.829	10.828 (1.245)		229262	57.7349	57.7	
59 Tetrachloroethene	164	10.822	10.821 (0.888)		170947	43.9374	43.9	
60 trans-1,3-Dichloropropene	75	10.865	10.871 (1.249)		366087	52.6278	52.6	
61 1,1,2-Trichloroethane	83	11.051	11.057 (1.270)		169936	48.7134	48.7	
62 Dibromochloromethane	129	11.265	11.264 (0.924)		248646	47.6041	47.6	
63 1,3-Dichloropropane	76	11.379	11.379 (0.934)		365394	46.8509	46.8	
64 1,2-Dibromoethane	107	11.551	11.550 (1.328)		216901	47.7871	47.8	
65 2-Hexanone	43	11.837	11.836 (0.971)		163856	46.1736	46.2	
* 66 Chlorobenzene-D5	117	12.187	12.187 (1.000)		609478	50.0000		
67 Chlorobenzene	112	12.209	12.208 (1.002)		619439	49.6784	49.7	
152 1-Chlorohexane	91	12.180	12.179 (0.999)		339965	47.3988	47.4	
68 Ethylbenzene	106	12.244	12.244 (1.005)		329762	46.6326	46.6	
69 1,1,1,2-Tetrachloroethane	131	12.294	12.294 (1.009)		235187	49.9880	50.0	
M 70 Xylenes (total)	106				1217637	152.313	152	
71 m+p-Xylenes	106	12.430	12.437 (1.020)		812953	98.5802	98.6	
72 o-Xylene	106	13.002	13.001 (1.067)		404684	53.7323	53.7	
73 Styrene	104	13.073	13.080 (1.073)		678280	50.3885	50.4	
74 Bromoform	173	13.116	13.116 (1.076)		149304	45.0150	45.0	
75 Isopropylbenzene	105	13.438	13.437 (0.866)		1162459	51.8262	51.8	
\$ 76 P-Bromofluorobenzene	95	13.831	13.838 (1.590)		288660	48.0889	48.1	
77 cis-1,4-Dichloro-2-Butene	53	13.938	13.938 (0.898)		110036	45.4109	45.4	

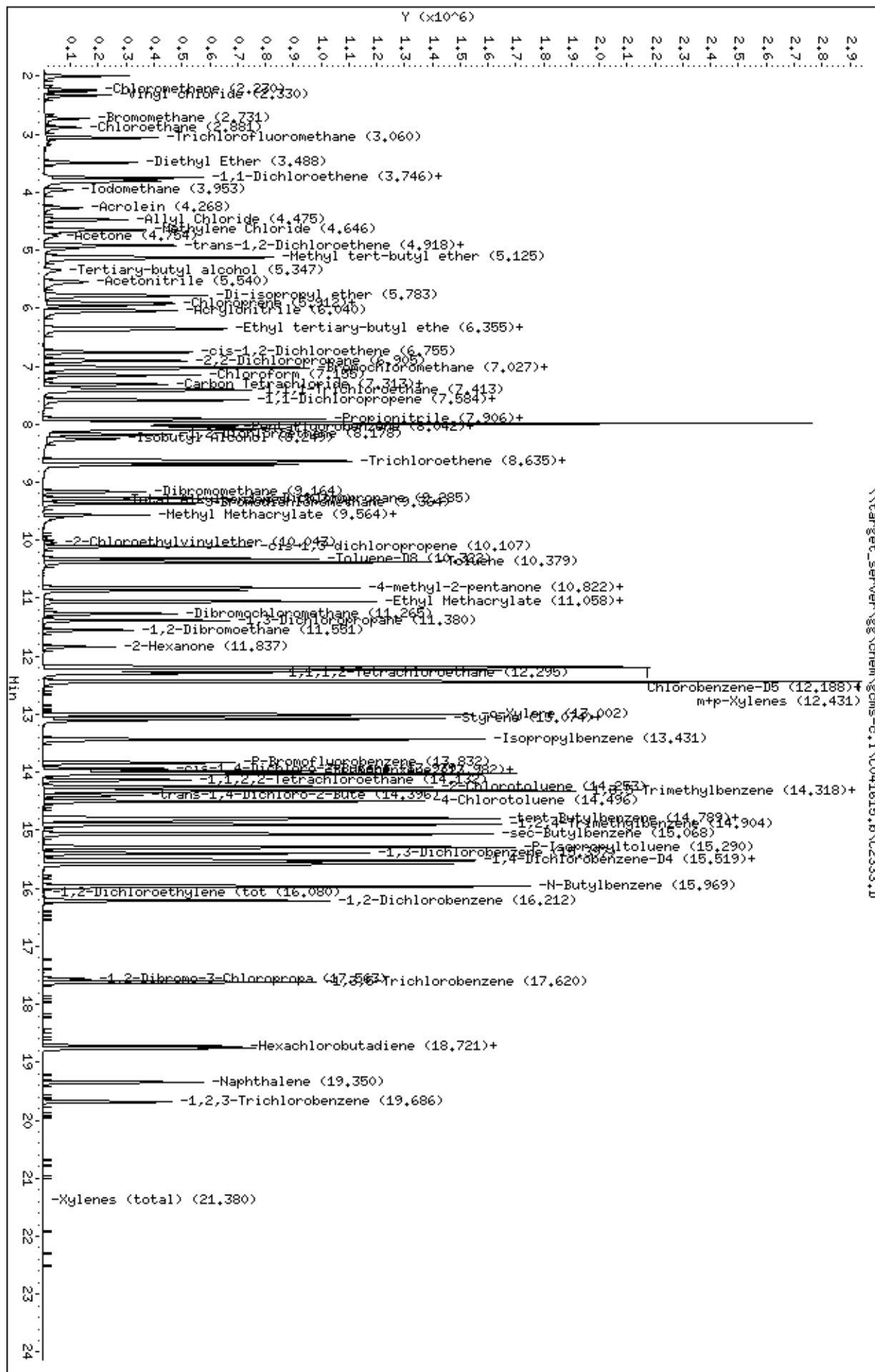
Compounds	QUANT SIG	CONCENTRATIONS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN		FINAL
							(ug/l)		(ug/l)
=====	====	====	=====	=====	=====	=====	=====	=====	
78 trans-1,4-Dichloro-2-Butene	53	14.396	14.395	(0.928)	89957	45.8095	45.8		
79 Bromobenzene	156	13.981	13.981	(0.901)	265739	48.5172	48.5		
80 N-Propylbenzene	91	14.024	14.024	(0.904)	1430366	52.2676	52.3		
81 1,1,2,2-Tetrachloroethane	83	14.131	14.131	(0.911)	294954	46.9485	46.9		
82 1,3,5-Trimethylbenzene	105	14.317	14.317	(0.923)	1005531	47.1591	47.2		
83 2-Chlorotoluene	91	14.253	14.252	(0.918)	891804	49.6538	49.6		
84 1,2,3-Trichloropropane	75	14.331	14.331	(0.924)	259221	46.2166	46.2		
85 4-Chlorotoluene	91	14.496	14.502	(0.934)	939293	51.5837	51.6		
86 tert-Butylbenzene	119	14.789	14.788	(0.953)	970612	51.9142	51.9		
87 Pentachloroethane	117	14.825	14.824	(0.955)	197034	51.0983	51.1		
88 1,2,4-Trimethylbenzene	105	14.903	14.903	(0.960)	1008689	48.2800	48.3		
89 P-Isopropyltoluene	119	15.289	15.296	(0.985)	1068906	52.5169	52.5		
90 1,3-Dichlorobenzene	146	15.397	15.396	(0.992)	493046	49.8639	49.9		
* 91 1,4-Dichlorobenzene-D4	152	15.518	15.518	(1.000)	381628	50.0000			
92 1,4-Dichlorobenzene	146	15.539	15.539	(1.001)	480104	44.6631	44.7		
93 N-Butylbenzene	91	15.968	15.968	(1.029)	1089959	50.9444	50.9		
94 sec-Butylbenzene	105	15.068	15.067	(0.971)	1284645	51.5419	51.5		
95 1,2-Dichlorobenzene	146	16.219	16.218	(1.045)	443650	49.5830	49.6		
96 1,2-Dibromo-3-Chloropropane	75	17.562	17.562	(1.132)	59410	46.5064	46.5		
97 1,3,5-Trichlorobenzene	180	17.620	17.619	(1.135)	321621	47.3973	47.4		
98 Hexachlorobutadiene	225	18.720	18.720	(1.206)	158589	46.5850	46.6		
99 1,2,4-Trichlorobenzene	180	18.756	18.763	(1.209)	243107	45.1372	45.1		
100 1,2,3-Trimethylbenzene	105	15.582	15.582	(1.004)	925354	47.1976	47.2		
101 Naphthalene	128	19.349	19.349	(1.247)	486280	44.4719	44.5		
102 1,2,3-Trichlorobenzene	180	19.685	19.685	(1.269)	158942	45.5525	45.6		
103 Methyl Acetate	43	4.968	4.967	(0.618)	189088	51.8411	51.8		
104 Methylcyclohexane	83	8.627	8.627	(1.073)	379077	48.7198	48.7		
M 153 Total Alkylbenzenes	100				7858708	354.624	355		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gs\chem\gms-c.i\CD041615.b\CD2333.D
 Date: 16-APR-2015 09:26
 Client ID: MG161286-LCS
 Sample Info: MG161286-1,SI12201
 Purge Volume: 5.0
 Column phase: RTX-VHS

Instrument: gms-c.i
 Operator: EHE
 Column diameter: 0.18



LCS Recovery Report

Client: Lab ID: WG161476-1 Client ID: LCS Project: SDG: SI2201 LCS File ID: C2388.D	Sample Date: Received Date: Extract Date: 20-APR-15 Extracted By: EME Extraction Method: SW846 5030 Lab Prep Batch: WG161476	Analysis Date: 20-APR-15 Analyst: EME Analysis Method: SW846 8260B Matrix: AQ % Solids: NA Report Date: 22-APR-15

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	101.	50.0	50.5	ug/L	29-164
Chloromethane	71.0	50.0	35.5	ug/L	59-123
Vinyl Chloride	89.2	50.0	44.6	ug/L	64-131
Bromomethane	66.8	50.0	33.4	ug/L	57-135
Chloroethane	93.8	50.0	46.9	ug/L	53-157
Trichlorofluoromethane	98.4	50.0	49.2	ug/L	70-149
1,1-Dichloroethene	99.8	50.0	49.9	ug/L	88-127
Freon-113	104.	50.0	52.1	ug/L	73-126
Acetone	140.	50.0	69.8	ug/L	62-172
Carbon Disulfide	74.4	50.0	37.2	ug/L	71-129
Methyl Acetate	111.	50.0	55.7	ug/L	70-132
Methylene Chloride	103.	50.0	51.5	ug/L	72-129
trans-1,2-Dichloroethene	93.6	50.0	46.8	ug/L	78-125
Methyl tert-butyl Ether	113.	100.	113.	ug/L	81-125
1,1-Dichloroethane	106.	50.0	53.2	ug/L	76-130
cis-1,2-Dichloroethene	99.8	50.0	49.9	ug/L	85-123
2-Butanone	109.	50.0	54.6	ug/L	71-132
Chloroform	103.	50.0	51.4	ug/L	78-128
1,1,1-Trichloroethane	103.	50.0	51.4	ug/L	77-129
Cyclohexane	112.	50.0	56.0	ug/L	71-133
Carbon Tetrachloride	112.	50.0	55.9	ug/L	87-126
Benzene	98.8	50.0	49.4	ug/L	86-116
1,2-Dichloroethane	94.6	50.0	47.3	ug/L	81-125
Trichloroethene	95.6	50.0	47.8	ug/L	79-121
Methylcyclohexane	83.6	50.0	41.8	ug/L	73-125
1,2-Dichloropropane	102.	50.0	50.8	ug/L	84-118
Bromodichloromethane	111.	50.0	55.4	ug/L	85-122
cis-1,3-Dichloropropene	107.	50.0	53.4	ug/L	83-119
4-Methyl-2-Pentanone	* 123.	50.0	61.3	ug/L	83-122
Toluene	98.6	50.0	49.3	ug/L	84-118
trans-1,3-Dichloropropene	110.	50.0	54.9	ug/L	85-135
1,1,2-Trichloroethane	103.	50.0	51.5	ug/L	84-115
Tetrachloroethene	91.4	50.0	45.7	ug/L	47-155
2-Hexanone	103.	50.0	51.4	ug/L	80-124
Dibromochloromethane	93.2	50.0	46.6	ug/L	85-119

LCS Recovery Report

Client:
Lab ID: WG161476-1
Client ID: LCS
Project:
SDG: SI2201
LCS File ID: C2388.D

Sample Date:
Received Date:
Extract Date: 20-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161476

Analysis Date: 20-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 22-APR-15

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
1,2-Dibromoethane	99.8	50.0	49.9	ug/L	84-116
Chlorobenzene	101.	50.0	50.3	ug/L	89-113
Ethylbenzene	95.6	50.0	47.8	ug/L	88-113
M+P-Xylenes	101.	100.	101.	ug/L	88-116
o-Xylene	110.	50.0	55.2	ug/L	90-116
Styrene	103.	50.0	51.6	ug/L	88-117
Bromoform	94.0	50.0	47.0	ug/L	86-117
Isopropylbenzene	107.	50.0	53.5	ug/L	96-136
1,1,2,2-Tetrachloroethane	98.2	50.0	49.1	ug/L	79-121
1,3-Dichlorobenzene	102.	50.0	51.0	ug/L	86-110
1,4-Dichlorobenzene	93.0	50.0	46.5	ug/L	86-111
1,2-Dichlorobenzene	103.	50.0	51.7	ug/L	86-112
1,2-Dibromo-3-Chloropropane	99.2	50.0	49.6	ug/L	67-124
1,2,4-Trichlorobenzene	94.6	50.0	47.3	ug/L	76-126
bromochloromethane	100.	50.0	50.1	ug/L	85-117
1,4-Dioxane	80.3	1000	803.	ug/L	10-149
1,2,3-trichlorobenzene	98.0	50.0	49.0	ug/L	70-122
1,3,5-Trimethylbenzene	96.6	50.0	48.3	ug/L	80-123
1,2,4-Trimethylbenzene	101.	50.0	50.4	ug/L	83-118
4-Chlorotoluene	107.	50.0	53.6	ug/L	81-122
n-Butylbenzene	108.	50.0	53.9	ug/L	84-121
n-Propylbenzene	109.	50.0	54.5	ug/L	83-121
Naphthalene	94.8	50.0	47.4	ug/L	62-126
p-Isopropyltoluene	108.	50.0	54.1	ug/L	88-121
sec-Butylbenzene	107.	50.0	53.7	ug/L	82-122
tert-Butylbenzene	110.	50.0	55.0	ug/L	84-121
1,2-Dichloroethane-d4	97.6				67-135
Toluene-d8	108.				65-128
P-Bromofluorobenzene	100.				56-133
Dibromofluoromethane	96.1				68-128

Data File: \\target_server\gg\chem\gcms-c.i\C042015.b\C2388.D
 Report Date: 22-Apr-2015 16:09

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C042015.b\C2388.D
 Lab Smp Id: WG161476-1 Client Smp ID: WG161476-LCS
 Inj Date : 20-APR-2015 11:05 MS Autotune Date: 03-FEB-2015 11:03
 Operator : EME Inst ID: gcms-c.i
 Smp Info : WG161476-1,SI2201
 Misc Info : WG161476,WG160924-4,SI2201-4
 Comment : SW846 5030
 Method : \\target_server\gg\chem\gcms-c.i\C042015.b\C826A36.m
 Meth Date : 22-Apr-2015 16:07 gcms-c.i Quant Type: ISTD
 Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
 Als bottle: 3 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: SW8260-S.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 Dichlorodifluoromethane	85	1.995	1.986 (0.248)		299855		50.4715	50.5	
2 Chloromethane	50	2.238	2.229 (0.278)		276266		35.4776	35.5	
3 Vinyl chloride	62	2.331	2.322 (0.290)		255778		44.6450	44.6	
4 Bromomethane	94	2.731	2.730 (0.340)		96719		33.4463	33.4	
5 Chloroethane	64	2.881	2.880 (0.358)		106868		46.8954	46.9	
6 Trichlorofluoromethane	101	3.060	3.051 (0.381)		340022		49.1651	49.2	
7 Diethyl Ether	59	3.489	3.487 (0.434)		193611		49.5602	49.6	
8 Tertiary-butyl alcohol	59	5.347	5.353 (0.665)		135892		295.622	296	
9 1,1-Dichloroethene	96	3.753	3.745 (0.467)		200723		49.8637	49.9	
10 Carbon Disulfide	76	3.789	3.780 (0.471)		425453		37.1784	37.2	
11 Freon-113	151	3.810	3.809 (0.474)		144075		52.1090	52.1	
12 Iodomethane	142	3.960	3.952 (0.493)		149207		32.7241	32.7	
13 Acrolein	56	4.268	4.267 (0.531)		331332		545.243	545(R)	
14 Methylene Chloride	84	4.654	4.645 (0.579)		243425		51.5260	51.5	
15 Acetone	43	4.754	4.753 (0.591)		101338		69.8530	69.8	
16 Isobutyl Alcohol	43	8.249	8.255 (1.026)		221599		1329.42	1330	
17 trans-1,2-Dichloroethene	96	4.918	4.917 (0.612)		212865		46.8445	46.8	
18 Allyl Chloride	41	4.475	4.474 (0.556)		165927		38.3271	38.3(R)	
19 Methyl tert-butyl ether	73	5.126	5.124 (0.637)		1141062		113.237	113	
20 Acetonitrile	39	5.547	5.546 (0.690)		63766		560.091	560	
21 Di-isopropyl ether	45	5.783	5.782 (0.719)		698429		54.6765	54.7	
22 Chloroprene	53	5.912	5.911 (0.735)		287457		42.9718	43.0	
23 Propionitrile	54	7.963	7.962 (0.990)		411192		598.552	598(R)	
24 Methacrylonitrile	41	7.985	7.984 (0.993)		1340098		542.218	542	

Data File: \\target_server\gg\chem\gcms-c.i\C042015.b\C2388.D
Report Date: 22-Apr-2015 16:09

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT		ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.948	5.946 (0.740)	468574	53.1509	53.2	
26 Acrylonitrile	52	6.048	6.039 (0.752)	521661	338.697	339(R)	
27 Ethyl tertiary-butyl ether	59	6.348	6.347 (0.789)	633153	54.7826	54.8	
28 Vinyl Acetate	43	6.369	6.368 (0.732)	530753	55.2790	55.3	
29 cis-1,2-Dichloroethene	96	6.762	6.761 (0.841)	233787	49.8619	49.9	
M 30 1,2-Dichloroethylene (total)	96			446652	96.7063	96.7	
31 Methyl Methacrylate	41	9.564	9.563 (1.099)	175865	50.2835	50.3	
32 2,2-Dichloropropane	77	6.905	6.904 (0.859)	398111	54.2469	54.2	
33 Bromochloromethane	128	7.041	7.033 (0.876)	94039	50.0749	50.1	
34 Chloroform	83	7.156	7.154 (0.890)	470561	51.3816	51.4	
35 Carbon Tetrachloride	117	7.320	7.312 (0.841)	314543	55.9243	55.9	
36 Tetrahydrofuran	42	7.363	7.362 (0.916)	72940	58.8070	58.8	
\$ 37 Dibromofluoromethane	113	7.399	7.405 (0.920)	164837	48.0498	48.0	
38 1,1,1-Trichloroethane	97	7.413	7.412 (0.922)	444570	51.3528	51.4	
39 1,1-Dichloropropene	75	7.584	7.583 (0.872)	343882	51.6885	51.7	
40 2-Butanone	43	7.584	7.583 (0.943)	117614	54.5835	54.6	
41 Benzene	78	7.913	7.905 (0.910)	826525	49.4211	49.4	
* 42 Pentafluorobenzene	168	8.042	8.041 (1.000)	341964	50.0000		
43 Cyclohexane	56	7.020	7.019 (0.873)	419328	56.0415	56.0	
44 Ethyl Methacrylate	69	11.058	11.057 (1.271)	249813	55.2929	55.3	
\$ 45 1,2-Dichloroethane-D4	65	8.092	8.090 (1.006)	223917	48.7847	48.8	
46 Tertiary-amyl methyl ether	73	8.078	8.076 (1.004)	487639	55.2637	55.3	
47 1,2-Dichloroethane	62	8.178	8.177 (0.940)	375897	47.2921	47.3	
48 Trichloroethene	95	8.649	8.648 (0.994)	243385	47.8212	47.8	
* 49 1,4-Difluorobenzene	114	8.700	8.698 (1.000)	593505	50.0000		
50 Dibromomethane	93	9.164	9.163 (1.053)	145995	49.2389	49.2	
51 1,2-Dichloropropane	63	9.286	9.284 (1.067)	222983	50.8226	50.8	
52 Bromodichloromethane	83	9.371	9.370 (1.077)	365827	55.4003	55.4	
53 cis-1,3-dichloropropene	75	10.108	10.106 (1.162)	377640	53.3588	53.4	
54 1,4-Dioxane	88	9.607	9.606 (1.104)	55632	803.324	803	
\$ 55 Toluene-D8	98	10.322	10.321 (1.187)	588017	54.0264	54.0	
56 2-Chloroethylvinylether	63	10.043	10.049 (1.154)	4537	29.4144	29.4	
57 Toluene	92	10.379	10.378 (1.193)	534307	49.3275	49.3	
58 4-methyl-2-pentanone	43	10.830	10.828 (1.245)	232206	61.2924	61.3(R)	
59 Tetrachloroethene	164	10.822	10.821 (0.888)	175496	45.7190	45.7	
60 trans-1,3-Dichloropropene	75	10.865	10.871 (1.249)	364410	54.9097	54.9	
61 1,1,2-Trichloroethane	83	11.058	11.057 (1.271)	171303	51.4701	51.5	
62 Dibromochloromethane	129	11.266	11.264 (0.924)	239906	46.5733	46.6	
63 1,3-Dichloropropane	76	11.380	11.379 (0.934)	366220	47.5944	47.6	
64 1,2-Dibromoethane	107	11.552	11.550 (1.328)	216148	49.9147	49.9	
65 2-Hexanone	43	11.837	11.836 (0.971)	176726	51.4454	51.4	
* 66 Chlorobenzene-D5	117	12.188	12.187 (1.000)	601314	50.0000		
67 Chlorobenzene	112	12.209	12.208 (1.002)	618307	50.2608	50.3	
152 1-Chlorohexane	91	12.181	12.179 (0.999)	349878	49.4432	49.4	
68 Ethylbenzene	106	12.245	12.244 (1.005)	333572	47.8118	47.8	
69 1,1,1,2-Tetrachloroethane	131	12.295	12.294 (1.009)	236334	50.9138	50.9	
M 70 Xylenes (total)	106			1233203	156.359	156	
71 m+p-Xylenes	106	12.438	12.437 (1.021)	822951	101.147	101	
72 o-Xylene	106	13.003	13.001 (1.067)	410252	55.2112	55.2	
73 Styrene	104	13.081	13.080 (1.073)	685375	51.6069	51.6	
74 Bromoform	173	13.117	13.116 (1.076)	153945	46.9888	47.0	
75 Isopropylbenzene	105	13.439	13.437 (0.866)	1178907	53.4888	53.5	
\$ 76 P-Bromofluorobenzene	95	13.839	13.838 (1.591)	286565	50.0390	50.0	
77 cis-1,4-Dichloro-2-Butene	53	13.939	13.938 (0.898)	123139	51.5459	51.5	

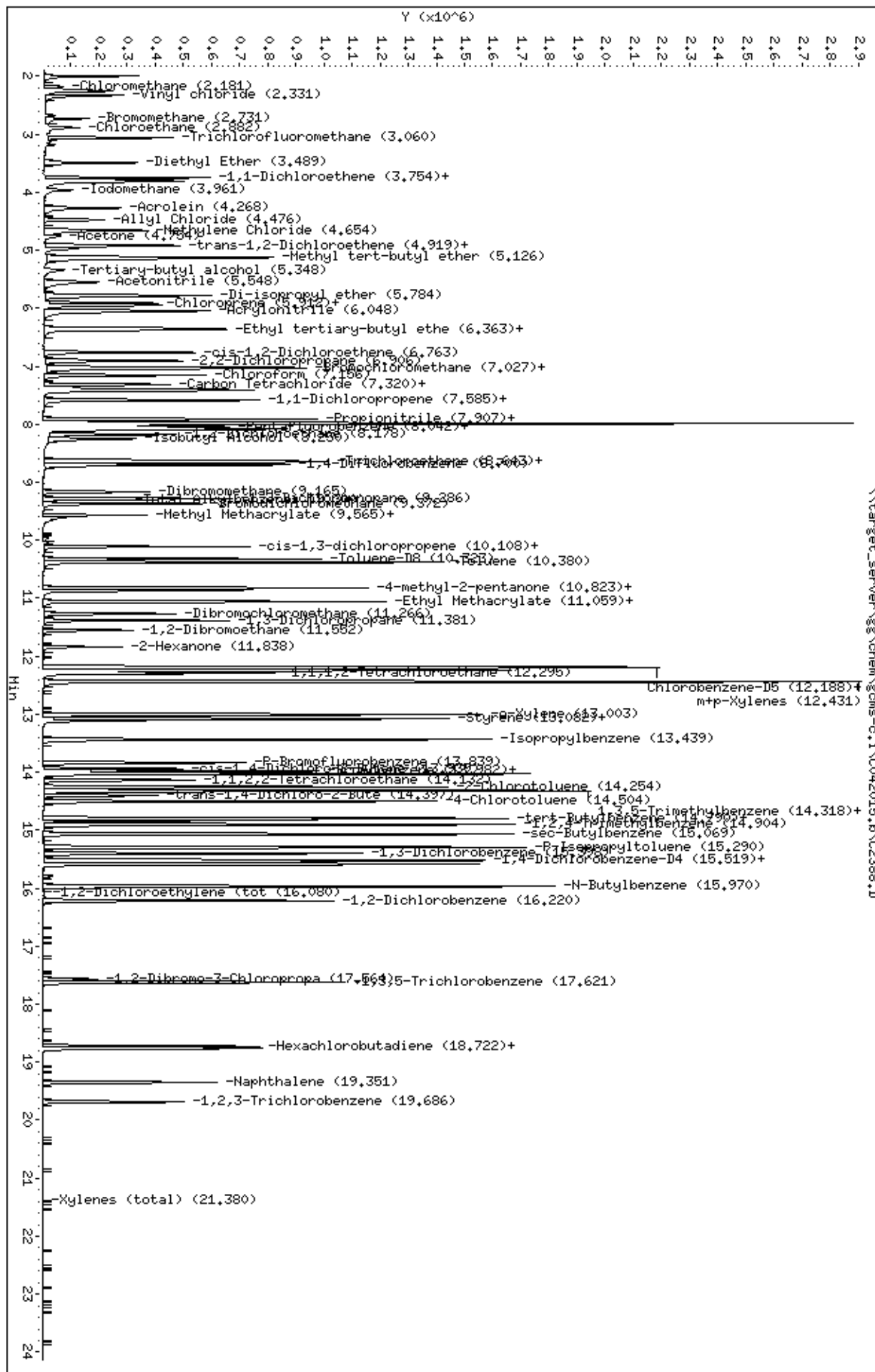
Compounds	QUANT SIG	CONCENTRATIONS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN		FINAL
							(ug/l)		(ug/l)
=====	====	====	=====	=====	=====	=====	=====	=====	
78 trans-1,4-Dichloro-2-Butene	53	14.396	14.395	(0.928)	99128	51.3118	51.3		
79 Bromobenzene	156	13.989	13.981	(0.901)	266159	49.4530	49.4		
80 N-Propylbenzene	91	14.025	14.024	(0.904)	1466496	54.5353	54.5		
81 1,1,2,2-Tetrachloroethane	83	14.132	14.131	(0.911)	303381	49.1436	49.1		
82 1,3,5-Trimethylbenzene	105	14.318	14.317	(0.923)	1012071	48.3050	48.3		
83 2-Chlorotoluene	91	14.254	14.252	(0.918)	908475	51.4763	51.5		
84 1,2,3-Trichloropropane	75	14.332	14.331	(0.924)	265907	48.2468	48.2		
85 4-Chlorotoluene	91	14.504	14.502	(0.935)	960030	53.6547	53.6		
86 tert-Butylbenzene	119	14.790	14.788	(0.953)	1010907	55.0254	55.0		
87 Pentachloroethane	117	14.825	14.824	(0.955)	211784	55.8945	55.9		
88 1,2,4-Trimethylbenzene	105	14.904	14.903	(0.960)	1034134	50.3730	50.4		
89 P-Isopropyltoluene	119	15.290	15.296	(0.985)	1082571	54.1286	54.1		
90 1,3-Dichlorobenzene	146	15.404	15.396	(0.993)	495235	50.9708	51.0		
* 91 1,4-Dichlorobenzene-D4	152	15.519	15.518	(1.000)	374998	50.0000			
92 1,4-Dichlorobenzene	146	15.540	15.539	(1.001)	491336	46.5162	46.5		
93 N-Butylbenzene	91	15.969	15.968	(1.029)	1130586	53.9493	53.9		
94 sec-Butylbenzene	105	15.068	15.067	(0.971)	1316293	53.7454	53.7		
95 1,2-Dichlorobenzene	146	16.219	16.218	(1.045)	454394	51.6816	51.7		
96 1,2-Dibromo-3-Chloropropane	75	17.563	17.562	(1.132)	62396	49.6000	49.6		
97 1,3,5-Trichlorobenzene	180	17.620	17.619	(1.135)	358938	53.8319	53.8		
98 Hexachlorobutadiene	225	18.728	18.720	(1.207)	170341	51.1092	51.1		
99 1,2,4-Trichlorobenzene	180	18.764	18.763	(1.209)	250513	47.3343	47.3		
100 1,2,3-Trimethylbenzene	105	15.583	15.582	(1.004)	978814	50.8070	50.8		
101 Naphthalene	128	19.350	19.349	(1.247)	511106	47.4431	47.4		
102 1,2,3-Trichlorobenzene	180	19.686	19.685	(1.269)	168105	49.0283	49.0		
103 Methyl Acetate	43	4.975	4.967	(0.619)	191518	55.6627	55.7		
104 Methylcyclohexane	83	8.628	8.627	(1.073)	306784	41.7979	41.8		
M 153 Total Alkylbenzenes	100				8053058	370.062	370		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gs\chem\gms-c.i\CD042015.b\CD2388.D
 Date: 20-Apr-2015 11:05
 Client ID: M0161476-LCS
 Sample Info: M0161476-1,SI2201
 Purge Volume: 5.0
 Column phase: RTX-VHS

Instrument: gms-c.i
 Operator: EHE
 Column diameter: 0.18



MS/MSD Recovery Report

MS ID: WG161286-5
MSD ID: WG161286-6
Sample ID: SI2201-14
Client ID: AOC9-MW18LTM040815
Project:
SDG: SI2201
MS File ID: C2350.D

Received Date:
Extract Date: 16-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161286
Report Date: 22-APR-15
MSD File ID: C2351.D

Analysis Date: 16-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
Dichlorodifluoromethane	50.0	50.0	ug/L	U2.0	55.1	54.9	110.	110.	0	20	29-164
Chloromethane	50.0	50.0	ug/L	U2.0	38.8	40.2	77.6	80.4	4	20	59-123
Vinyl Chloride	50.0	50.0	ug/L	U2.0	47.1	48.4	94.2	96.8	3	20	64-131
Bromomethane	50.0	50.0	ug/L	U2.0	35.4	41.5	70.8	83.0	16	20	57-135
Chloroethane	50.0	50.0	ug/L	U2.0	54.0	55.2	108.	110.	2	20	53-157
Trichlorofluoromethane	50.0	50.0	ug/L	U2.0	53.2	51.8	106.	104.	3	20	70-149
1,1-Dichloroethene	50.0	50.0	ug/L	U1.0	53.9	56.4	108.	113.	4	20	88-127
Freon-113	50.0	50.0	ug/L	U1.0	50.4	51.1	101.	102.	1	20	73-126
Acetone	50.0	50.0	ug/L	U5.0	63.4	63.8	127.	128.	1	20	62-172
Carbon Disulfide	50.0	50.0	ug/L	UL1.0	37.0	38.1	74.0	76.2	3	20	71-129
Methyl Acetate	50.0	50.0	ug/L	U1.0	50.0	52.0	100.	104.	4	20	70-132
Methylene Chloride	50.0	50.0	ug/L	U5.0	53.6	54.2	107.	108.	1	20	72-129
trans-1,2-Dichloroethene	50.0	50.0	ug/L	U1.0	51.4	50.4	103.	101.	2	20	78-125
Methyl tert-butyl Ether	100.	100.	ug/L	U1.0	113.	114.	113.	114.	1	20	81-125
1,1-Dichloroethane	50.0	50.0	ug/L	U1.0	58.1	57.1	116.	114.	2	20	76-130
cis-1,2-Dichloroethene	50.0	50.0	ug/L	U1.0	54.3	54.0	109.	108.	0	20	85-123
2-Butanone	50.0	50.0	ug/L	U5.0	56.0	53.3	112.	107.	5	20	71-132
Chloroform	50.0	50.0	ug/L	U1.0	56.4	55.1	113.	110.	2	20	78-128
1,1,1-Trichloroethane	50.0	50.0	ug/L	U1.0	56.9	55.0	114.	110.	3	20	77-129
Cyclohexane	50.0	50.0	ug/L	U1.0	61.9	62.2	124.	124.	0	20	71-133
Carbon Tetrachloride	50.0	50.0	ug/L	UMM1.0	67.3	64.0	135.*	128.*	5	20	87-126
Benzene	50.0	50.0	ug/L	U1.0	54.6	53.8	109.	108.	1	20	86-116
1,2-Dichloroethane	50.0	50.0	ug/L	U1.0	53.9	50.7	108.	101.	6	20	81-125
Trichloroethene	50.0	50.0	ug/L	U1.0	52.8	51.5	106.	103.	2	20	79-121
Methylcyclohexane	50.0	50.0	ug/L	U1.0	56.0	56.5	112.	113.	1	20	73-125
1,2-Dichloropropane	50.0	50.0	ug/L	U1.0	57.6	55.4	115.	111.	4	20	84-118
Bromodichloromethane	50.0	50.0	ug/L	UM1.0	61.8	58.6	124.*	117.	5	20	85-122
cis-1,3-Dichloropropene	50.0	50.0	ug/L	U1.0	55.6	54.3	111.	109.	2	20	83-119
4-Methyl-2-Pentanone	50.0	50.0	ug/L	UMM5.0	63.2	61.9	126.*	124.*	2	20	83-122
Toluene	50.0	50.0	ug/L	U1.0	55.1	54.8	110.	110.	0	20	84-118
trans-1,3-Dichloropropene	50.0	50.0	ug/L	U1.0	59.2	56.7	118.	113.	4	20	85-135
1,1,2-Trichloroethane	50.0	50.0	ug/L	U1.0	57.7	55.4	115.	111.	4	20	84-115
Tetrachloroethene	50.0	50.0	ug/L	U1.0	50.6	50.3	101.	101.	0	20	47-155

MS/MSD Recovery Report

MS ID: WG161286-5
MSD ID: WG161286-6
Sample ID: SI2201-14
Client ID: AOC9-MW18LTM040815
Project:
SDG: SI2201
MS File ID: C2350.D

Received Date:
Extract Date: 16-APR-15
Extracted By: EME
Extraction Method: SW846 5030
Lab Prep Batch: WG161286
Report Date: 22-APR-15
MSD File ID: C2351.D

Analysis Date: 16-APR-15
Analyst: EME
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
2-Hexanone	50.0	50.0	ug/L	U5.0	51.9	51.8	104.	104.	0	20	80-124
Dibromochloromethane	50.0	50.0	ug/L	U1.0	54.2	51.4	108.	103.	5	20	85-119
1,2-Dibromoethane	50.0	50.0	ug/L	U1.0	54.7	53.5	109.	107.	2	20	84-116
Chlorobenzene	50.0	50.0	ug/L	JM0.25	58.5	56.7	116.*	113.	3	20	89-113
Ethylbenzene	50.0	50.0	ug/L	U1.0	54.7	53.0	109.	106.	3	20	88-113
M+P-Xylenes	100.	100.	ug/L	U2.0	113.	110.	113.	110.	3	20	88-116
o-Xylene	50.0	50.0	ug/L	UMM1.0	63.0	60.9	126.*	122.*	3	20	90-116
Styrene	50.0	50.0	ug/L	UM1.0	59.3	56.6	119.*	113.	5	20	88-117
Bromoform	50.0	50.0	ug/L	U1.0	51.8	47.7	104.	95.4	8	20	86-117
Isopropylbenzene	50.0	50.0	ug/L	U1.0	59.0	58.3	118.	117.	1	20	96-136
1,1,2,2-Tetrachloroethane	50.0	50.0	ug/L	U1.0	53.3	52.1	107.	104.	2	20	79-121
1,3-Dichlorobenzene	50.0	50.0	ug/L	UM1.0	55.3	54.5	111.*	109.	1	20	86-110
1,4-Dichlorobenzene	50.0	50.0	ug/L	U1.0	49.6	49.4	99.2	98.8	0	20	86-111
1,2-Dichlorobenzene	50.0	50.0	ug/L	U1.0	56.0	56.0	112.	112.	0	20	86-112
1,2-Dibromo-3-Chloropropane	50.0	50.0	ug/L	U1.0	49.5	47.6	99.0	95.2	4	20	67-124
1,2,4-Trichlorobenzene	50.0	50.0	ug/L	U1.0	46.3	49.7	92.6	99.4	7	20	76-126
bromochloromethane	50.0	50.0	ug/L	U1.0	54.8	54.5	110.	109.	0	20	85-117
1,4-Dioxane	1000	1000	ug/L	U100	658.	847.	65.8	84.7	25*	20	10-149
1,2,3-trichlorobenzene	50.0	50.0	ug/L	U1.0	46.7	50.6	93.4	101.	8	20	70-122
1,3,5-Trimethylbenzene	50.0	50.0	ug/L	U1.0	52.7	51.8	105.	104.	2	20	80-123
1,2,4-Trimethylbenzene	50.0	50.0	ug/L	U1.0	54.2	53.1	108.	106.	2	20	83-118
4-Chlorotoluene	50.0	50.0	ug/L	U1.0	57.6	56.5	115.	113.	2	20	81-122
n-Butylbenzene	50.0	50.0	ug/L	U1.0	54.6	55.9	109.	112.	2	20	84-121
n-Propylbenzene	50.0	50.0	ug/L	U1.0	59.4	58.7	119.	117.	1	20	83-121
Naphthalene	50.0	50.0	ug/L	U1.0	47.9	49.4	95.8	98.8	3	20	62-126
p-Isopropyltoluene	50.0	50.0	ug/L	U1.0	56.7	57.7	113.	115.	2	20	88-121
sec-Butylbenzene	50.0	50.0	ug/L	U1.0	57.4	59.2	115.	118.	3	20	82-122
tert-Butylbenzene	50.0	50.0	ug/L	U1.0	58.4	59.1	117.	118.	1	20	84-121
1,2-Dichloroethane-d4							96.8	93.6			67-135
Toluene-d8							106.	105.			65-128
P-Bromofluorobenzene							95.3	96.0			56-133
Dibromofluoromethane							91.0	91.8			68-128

Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2350.D
 Report Date: 22-Apr-2015 16:06

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-c.i\C041615.b\C2350.D
 Lab Smp Id: WG161286-5 Client Smp ID: AOC9-MW18LTM040815M
 Inj Date : 16-APR-2015 18:40 MS Autotune Date: 03-FEB-2015 11:03
 Operator : EME Inst ID: gcms-c.i
 Smp Info : WG161286-5, SI2201
 Misc Info : WG161286, WG160924-4, SI2201-14
 Comment : SW846 5030
 Method : \\target_server\gg\chem\gcms-c.i\C041615.b\C826A36.m
 Meth Date : 22-Apr-2015 15:23 gcms-c.i Quant Type: ISTD
 Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
 Als bottle: 19 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

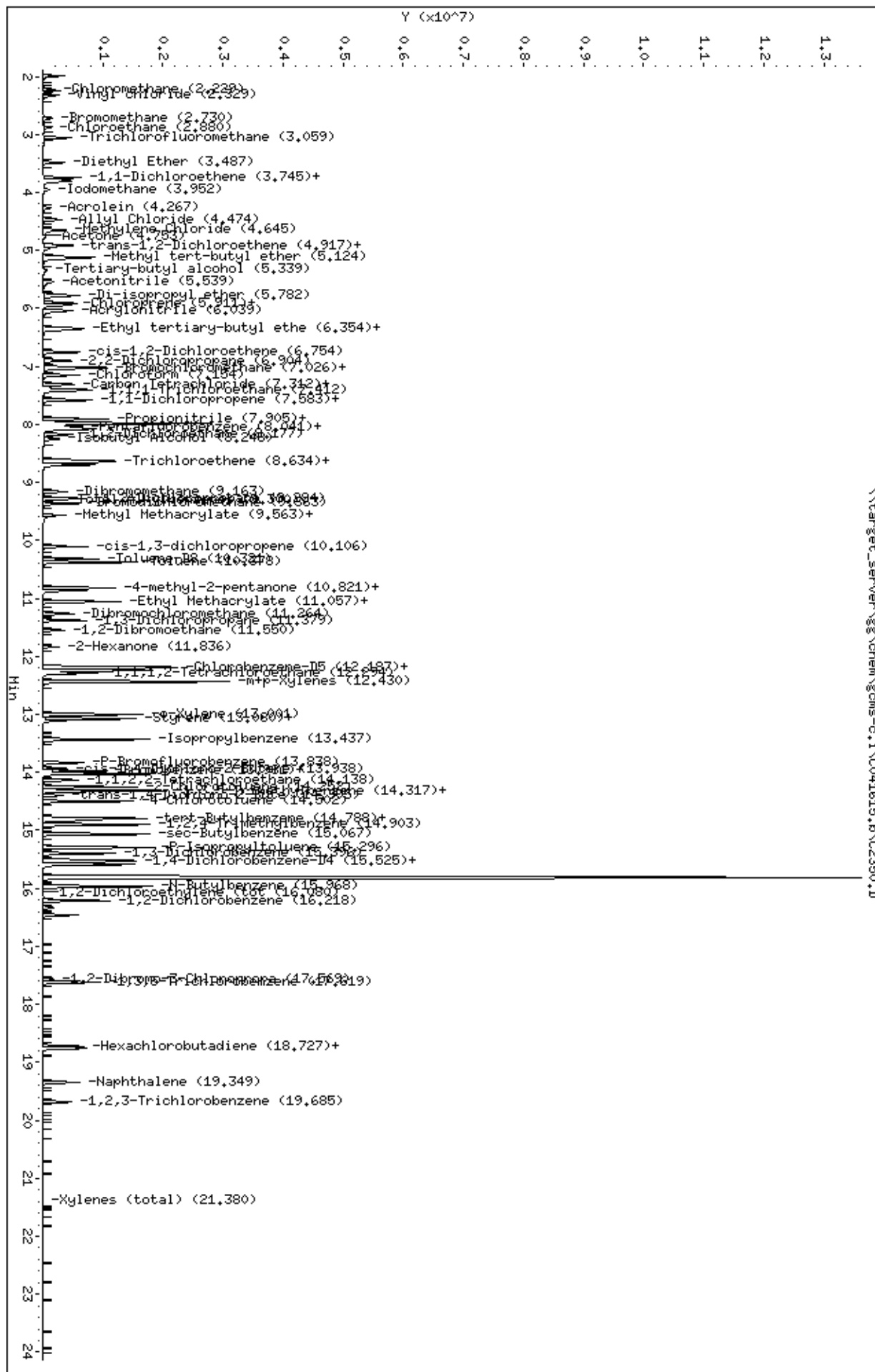
Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 Dichlorodifluoromethane	85	1.986	1.986 (0.247)		327806		55.0988	55.1	
2 Chloromethane	50	2.229	2.229 (0.277)		302191		38.7525	38.8	
3 Vinyl chloride	62	2.329	2.322 (0.290)		270387		47.1288	47.1	
4 Bromomethane	94	2.729	2.730 (0.339)		102447		35.4162	35.4	
5 Chloroethane	64	2.879	2.880 (0.358)		122156		54.0533	54.0	
6 Trichlorofluoromethane	101	3.058	3.051 (0.380)		368524		53.2116	53.2	
7 Diethyl Ether	59	3.487	3.487 (0.434)		193014		49.3381	49.3	
8 Tertiary-butyl alcohol	59	5.338	5.353 (0.664)		117449		255.143	255	
9 1,1-Dichloroethene	96	3.751	3.745 (0.467)		217243		53.8920	53.9	
10 Carbon Disulfide	76	3.780	3.780 (0.470)		424022		37.0014	37.0	
11 Freon-113	151	3.809	3.809 (0.474)		139568		50.4081	50.4	
12 Iodomethane	142	3.952	3.952 (0.492)		142753		31.2647	31.3	
13 Acrolein	56	4.266	4.267 (0.531)		138607		227.773	228	
14 Methylene Chloride	84	4.645	4.645 (0.578)		253568		53.6313	53.6	
15 Acetone	43	4.752	4.753 (0.591)		92101		63.3969	63.4	
16 Isobutyl Alcohol	43	8.247	8.255 (1.026)		196869		1179.40	1180	
17 trans-1,2-Dichloroethene	96	4.917	4.917 (0.612)		233751		51.3687	51.4	
18 Allyl Chloride	41	4.473	4.474 (0.556)		230319		53.1263	53.1	
19 Methyl tert-butyl ether	73	5.124	5.124 (0.637)		1138519		112.826	113	
20 Acetonitrile	39	5.538	5.546 (0.689)		65174		571.655	572	
21 Di-isopropyl ether	45	5.781	5.782 (0.719)		713929		55.8116	55.8	
22 Chloroprene	53	5.903	5.911 (0.734)		381445		56.9421	56.9	
23 Propionitrile	54	7.962	7.962 (0.990)		387138		562.748	563	
24 Methacrylonitrile	41	7.983	7.984 (0.993)		1344383		543.190	543	

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT		ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.946	5.946 (0.740)	513329	58.1459	58.1	
26 Acrylonitrile	52	6.039	6.039 (0.751)	419017	271.672	272	
27 Ethyl tertiary-butyl ether	59	6.346	6.347 (0.789)	646219	55.8347	55.8	
28 Vinyl Acetate	43	6.368	6.368 (0.732)	502822	54.0150	54.0	
29 cis-1,2-Dichloroethene	96	6.754	6.761 (0.840)	255138	54.3393	54.3	
M 30 1,2-Dichloroethylene (total)	96			488889	105.708	106	
31 Methyl Methacrylate	41	9.563	9.563 (1.099)	180110	53.1067	53.1	
32 2,2-Dichloropropane	77	6.904	6.904 (0.859)	368260	50.1090	50.1	
33 Bromochloromethane	128	7.032	7.033 (0.875)	103051	54.7967	54.8	
34 Chloroform	83	7.154	7.154 (0.890)	517162	56.3909	56.4	
35 Carbon Tetrachloride	117	7.311	7.312 (0.841)	366986	67.2980	67.3	
36 Tetrahydrofuran	42	7.361	7.362 (0.916)	68910	55.4800	55.5	
\$ 37 Dibromofluoromethane	113	7.397	7.405 (0.920)	156271	45.4890	45.5	
38 1,1,1-Trichloroethane	97	7.411	7.412 (0.922)	493501	56.9250	56.9	
39 1,1-Dichloropropene	75	7.583	7.583 (0.872)	381783	59.1880	59.2	
40 2-Butanone	43	7.583	7.583 (0.943)	120432	55.9624	56.0	
41 Benzene	78	7.904	7.905 (0.909)	885630	54.6187	54.6	
* 42 Pentafluorobenzene	168	8.040	8.041 (1.000)	342444	50.0000		
43 Cyclohexane	56	7.018	7.019 (0.873)	464182	61.9491	61.9	
44 Ethyl Methacrylate	69	11.057	11.057 (1.271)	253849	57.9512	58.0	
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090 (1.006)	222442	48.3954	48.4	
46 Tertiary-amyl methyl ether	73	8.076	8.076 (1.004)	491476	55.6205	55.6	
47 1,2-Dichloroethane	62	8.176	8.177 (0.940)	415579	53.9270	53.9	
48 Trichloroethene	95	8.648	8.648 (0.994)	260716	52.8357	52.8	
* 49 1,4-Difluorobenzene	114	8.698	8.698 (1.000)	575429	50.0000		
50 Dibromomethane	93	9.162	9.163 (1.053)	152596	53.0819	53.1	
51 1,2-Dichloropropane	63	9.284	9.284 (1.067)	244870	57.5643	57.6	
52 Bromodichloromethane	83	9.363	9.370 (1.076)	395576	61.7873	61.8	
53 cis-1,3-dichloropropene	75	10.106	10.106 (1.162)	381287	55.5664	55.6	
54 1,4-Dioxane	88	9.613	9.606 (1.105)	44152	657.580	658	
\$ 55 Toluene-D8	98	10.320	10.321 (1.187)	556825	52.7676	52.8	
57 Toluene	92	10.378	10.378 (1.193)	578788	55.1126	55.1	
58 4-methyl-2-pentanone	43	10.828	10.828 (1.245)	232354	63.2581	63.2	
59 Tetrachloroethene	164	10.821	10.821 (0.888)	183235	50.5517	50.6	
60 trans-1,3-Dichloropropene	75	10.864	10.871 (1.249)	380823	59.1854	59.2	
61 1,1,2-Trichloroethane	83	11.057	11.057 (1.271)	186170	57.6943	57.7	
62 Dibromochloromethane	129	11.264	11.264 (0.924)	264276	54.1889	54.2	
63 1,3-Dichloropropane	76	11.378	11.379 (0.934)	394723	54.3256	54.3	
64 1,2-Dibromoethane	107	11.550	11.550 (1.328)	229554	54.6757	54.7	
65 2-Hexanone	43	11.836	11.836 (0.971)	168044	51.8770	51.9	
* 66 Chlorobenzene-D5	117	12.186	12.187 (1.000)	567810	50.0000		
67 Chlorobenzene	112	12.207	12.208 (1.002)	679309	58.4778	58.5	
152 1-Chlorohexane	91	12.179	12.179 (0.999)	363899	54.4590	54.4	
68 Ethylbenzene	106	12.243	12.244 (1.005)	360297	54.6896	54.7	
69 1,1,1,2-Tetrachloroethane	131	12.293	12.294 (1.009)	259045	59.0993	59.1	
M 70 Xylenes (total)	106			1307781	175.687	176	
71 m+p-Xylenes	106	12.436	12.437 (1.021)	865560	112.662	113	
72 o-Xylene	106	13.001	13.001 (1.067)	442221	63.0252	63.0	
73 Styrene	104	13.080	13.080 (1.073)	744263	59.3477	59.3	
74 Bromoform	173	13.115	13.116 (1.076)	160664	51.8034	51.8	
75 Isopropylbenzene	105	13.437	13.437 (0.866)	1275078	58.9756	59.0	
\$ 76 P-Bromofluorobenzene	95	13.837	13.838 (1.591)	264696	47.6722	47.7	
77 cis-1,4-Dichloro-2-Butene	53	13.937	13.938 (0.898)	103803	44.4687	44.5	
78 trans-1,4-Dichloro-2-Butene	53	14.395	14.395 (0.928)	86054	45.4665	45.5	

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)		
=====	=====	=====	=====	=====	=====	=====	=====	=====	
79 Bromobenzene	156	13.987	13.981	(0.901)	277832	52.6243	52.6		
80 N-Propylbenzene	91	14.023	14.024	(0.904)	1566999	59.4043	59.4		
81 1,1,2,2-Tetrachloroethane	83	14.137	14.131	(0.911)	322991	53.3361	53.3		
82 1,3,5-Trimethylbenzene	105	14.316	14.317	(0.923)	1082701	52.6795	52.7		
83 2-Chlorotoluene	91	14.252	14.252	(0.918)	973360	56.2237	56.2		
84 1,2,3-Trichloropropane	75	14.330	14.331	(0.924)	276883	51.2138	51.2		
85 4-Chlorotoluene	91	14.502	14.502	(0.935)	1011153	57.6092	57.6		
86 tert-Butylbenzene	119	14.788	14.788	(0.953)	1051814	58.3638	58.4		
87 Pentachloroethane	117	14.824	14.824	(0.955)	209965	56.4905	56.5		
88 1,2,4-Trimethylbenzene	105	14.902	14.903	(0.960)	1091232	54.1864	54.2		
89 P-Isopropyltoluene	119	15.295	15.296	(0.986)	1112931	56.7272	56.7		
90 1,3-Dichlorobenzene	146	15.403	15.396	(0.993)	527277	55.3224	55.3		
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	367855	50.0000			
92 1,4-Dichlorobenzene	146	15.538	15.539	(1.001)	513417	49.5505	49.6		
93 N-Butylbenzene	91	15.967	15.968	(1.029)	1121137	54.5709	54.6		
94 sec-Butylbenzene	105	15.067	15.067	(0.971)	1380460	57.4599	57.4		
95 1,2-Dichlorobenzene	146	16.218	16.218	(1.045)	483327	56.0398	56.0		
96 1,2-Dibromo-3-Chloropropane	75	17.561	17.562	(1.132)	61142	49.5486	49.5		
97 1,3,5-Trichlorobenzene	180	17.619	17.619	(1.135)	325123	49.7073	49.7		
98 Hexachlorobutadiene	225	18.726	18.720	(1.207)	150614	45.8692	45.9		
99 1,2,4-Trichlorobenzene	180	18.762	18.763	(1.209)	240293	46.2850	46.3		
100 1,2,3-Trimethylbenzene	105	15.588	15.582	(1.005)	983595	52.0466	52.0		
101 Naphthalene	128	19.348	19.349	(1.247)	506797	47.9371	47.9		
102 1,2,3-Trichlorobenzene	180	19.684	19.685	(1.269)	157174	46.7317	46.7		
103 Methyl Acetate	43	4.967	4.967	(0.618)	172346	50.0204	50.0		
104 Methylcyclohexane	83	8.626	8.627	(1.073)	411810	56.0286	56.0		
M 153 Total Alkylbenzenes	100				8407274	393.392	393		

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 Sample Info: M04161286-5,SI12201
 Purge Volume: 5.0
 Column phase: RTX-VHS

Instrument: goms-c.i
 Operator: EHE
 Column diameter: 0.18



Data File: \\target_server\gg\chem\gcms-c.i\C041615.b\C2351.D
Report Date: 22-Apr-2015 16:07

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Data file : \\target_server\gg\chem\gcms-c.i\C041615.b\C2351.D
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Inj Date : 16-APR-2015 19:14 MS Autotune Date: 03-FEB-2015 11:03
Operator : EME Inst ID: gcms-c.i
Smp Info : WG161286-6, SI2201
Misc Info : WG161286, WG160924-4, SI2201-14
Comment : SW846 5030
Method : \\target_server\gg\chem\gcms-c.i\C041615.b\C826A36.m
Meth Date : 22-Apr-2015 15:23 gcms-c.i Quant Type: ISTD
Cal Date : 08-APR-2015 14:06 Cal File: C2181.D
Als bottle: 20 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

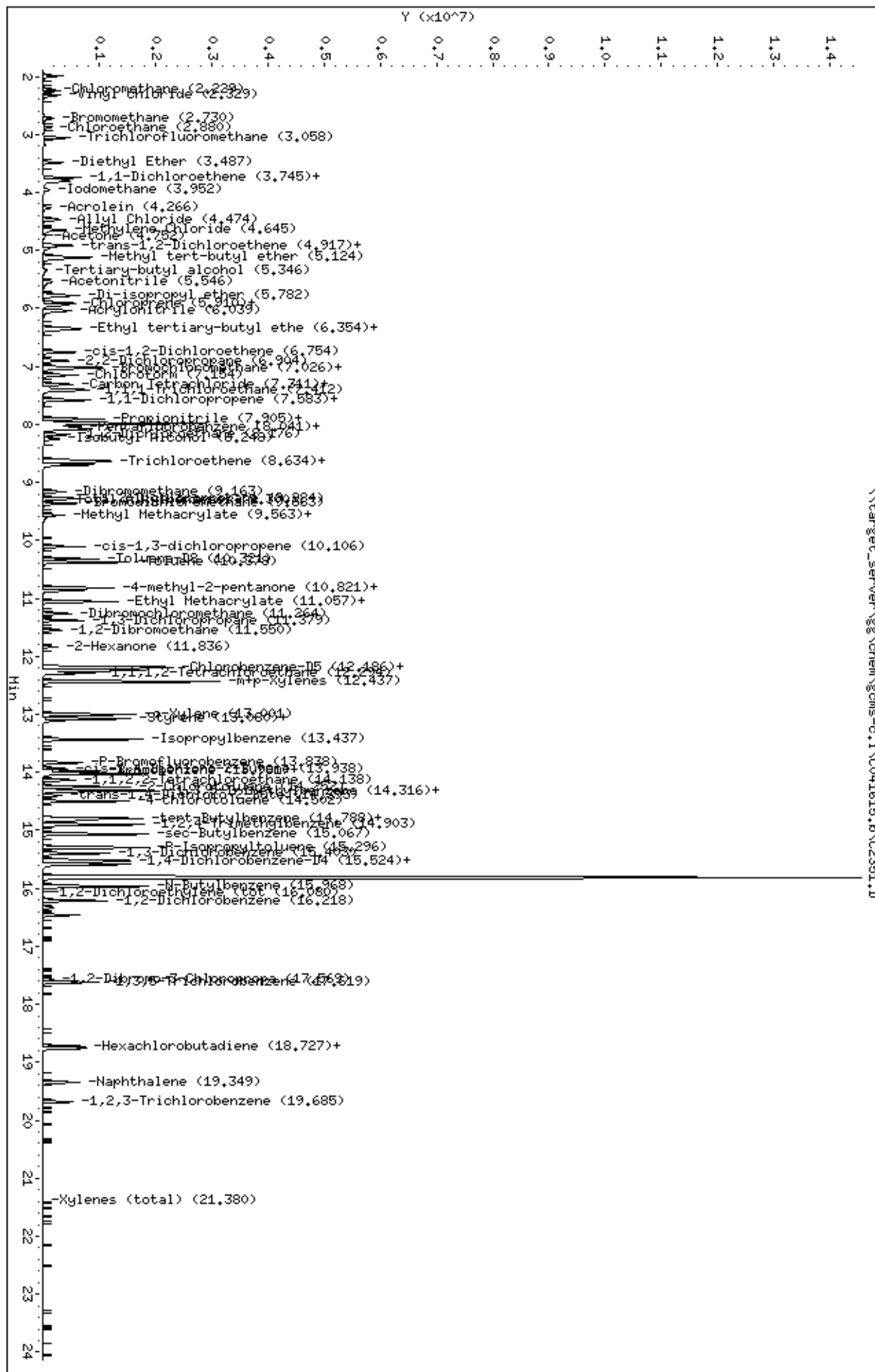
Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 Dichlorodifluoromethane	85	1.993	1.986	(0.248)	336169		54.9267	54.9	
2 Chloromethane	50	2.229	2.229	(0.277)	322656		40.2215	40.2	
3 Vinyl chloride	62	2.329	2.322	(0.290)	285922		48.4450	48.4	
4 Bromomethane	94	2.729	2.730	(0.339)	123142		41.4948	41.5	
5 Chloroethane	64	2.879	2.880	(0.358)	128082		55.1642	55.2	
6 Trichlorofluoromethane	101	3.058	3.051	(0.380)	368903		51.7790	51.8	
7 Diethyl Ether	59	3.487	3.487	(0.434)	211384		52.5250	52.5	
8 Tertiary-butyl alcohol	59	5.345	5.353	(0.665)	136712		288.696	289	
9 1,1-Dichloroethene	96	3.744	3.745	(0.466)	234064		56.4434	56.4	
10 Carbon Disulfide	76	3.780	3.780	(0.470)	448857		38.0748	38.1	
11 Freon-113	151	3.816	3.809	(0.475)	145471		51.0730	51.1	
12 Iodomethane	142	3.951	3.952	(0.491)	183899		39.1515	39.2	
13 Acrolein	56	4.266	4.267	(0.531)	157026		250.836	251	
14 Methylene Chloride	84	4.645	4.645	(0.578)	263538		54.1921	54.2	
15 Acetone	43	4.752	4.753	(0.591)	95420		63.8474	63.8	
16 Isobutyl Alcohol	43	8.247	8.255	(1.026)	209214		1218.36	1220	
17 trans-1,2-Dichloroethene	96	4.916	4.917	(0.612)	235773		50.3662	50.4	
18 Allyl Chloride	41	4.473	4.474	(0.556)	243628		54.6270	54.6	
19 Methyl tert-butyl ether	73	5.124	5.124	(0.637)	1186400		114.288	114	
20 Acetonitrile	39	5.545	5.546	(0.690)	65768		560.757	561	
21 Di-isopropyl ether	45	5.781	5.782	(0.719)	750197		57.0092	57.0	
22 Chloroprene	53	5.910	5.911	(0.735)	391736		56.8454	56.8	
23 Propionitrile	54	7.961	7.962	(0.990)	407642		576.007	576	
24 Methacrylonitrile	41	7.983	7.984	(0.993)	1362566		535.163	535	

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT		ON-COLUMN (ug/l)	FINAL (ug/l)	
=====	=====	=====	=====	=====	=====	=====	=====
25 1,1-Dichloroethane	63	5.946	5.946 (0.740)	518495	57.0911	57.1	
26 Acrylonitrile	52	6.039	6.039 (0.751)	442916	279.149	279	
27 Ethyl tertiary-butyl ether	59	6.346	6.347 (0.789)	668151	56.1177	56.1	
28 Vinyl Acetate	43	6.367	6.368 (0.732)	515284	53.2084	53.2	
29 cis-1,2-Dichloroethene	96	6.753	6.761 (0.840)	260987	54.0329	54.0	
M 30 1,2-Dichloroethylene (total)	96			496760	104.399	104	
31 Methyl Methacrylate	41	9.563	9.563 (1.099)	192029	54.4231	54.4	
32 2,2-Dichloropropane	77	6.904	6.904 (0.859)	356635	47.1721	47.2	
33 Bromochloromethane	128	7.032	7.033 (0.875)	105458	54.5108	54.5	
34 Chloroform	83	7.154	7.154 (0.890)	519547	55.0691	55.1	
35 Carbon Tetrachloride	117	7.311	7.312 (0.841)	363302	64.0404	64.0	
36 Tetrahydrofuran	42	7.361	7.362 (0.916)	71655	56.0791	56.1	
\$ 37 Dibromofluoromethane	113	7.397	7.405 (0.920)	162302	45.9253	45.9	
38 1,1,1-Trichloroethane	97	7.411	7.412 (0.922)	490157	54.9605	55.0	
39 1,1-Dichloropropene	75	7.583	7.583 (0.872)	382302	56.9714	57.0	
40 2-Butanone	43	7.583	7.583 (0.943)	118642	53.3101	53.3	
41 Benzene	78	7.904	7.905 (0.909)	907081	53.7735	53.8	
* 42 Pentafluorobenzene	168	8.040	8.041 (1.000)	352281	50.0000		
43 Cyclohexane	56	7.018	7.019 (0.873)	479728	62.2360	62.2	
44 Ethyl Methacrylate	69	11.056	11.057 (1.271)	261792	57.4482	57.4	
\$ 45 1,2-Dichloroethane-D4	65	8.090	8.090 (1.006)	221173	46.7757	46.8	
46 Tertiary-amyl methyl ether	73	8.076	8.076 (1.004)	505058	55.5615	55.6	
47 1,2-Dichloroethane	62	8.176	8.177 (0.940)	406515	50.7063	50.7	
48 Trichloroethene	95	8.648	8.648 (0.994)	264187	51.4641	51.5	
* 49 1,4-Difluorobenzene	114	8.698	8.698 (1.000)	598630	50.0000		
50 Dibromomethane	93	9.162	9.163 (1.053)	152594	51.0239	51.0	
51 1,2-Dichloropropane	63	9.284	9.284 (1.067)	245102	55.3857	55.4	
52 Bromodichloromethane	83	9.362	9.370 (1.076)	390164	58.5800	58.6	
53 cis-1,3-dichloropropene	75	10.106	10.106 (1.162)	387522	54.2863	54.3	
54 1,4-Dioxane	88	9.613	9.606 (1.105)	59172	847.126	847	
\$ 55 Toluene-D8	98	10.320	10.321 (1.187)	576239	52.4910	52.5	
57 Toluene	92	10.377	10.378 (1.193)	599335	54.8573	54.8	
58 4-methyl-2-pentanone	43	10.828	10.828 (1.245)	236542	61.9024	61.9	
59 Tetrachloroethene	164	10.821	10.821 (0.888)	191318	50.2795	50.3	
60 trans-1,3-Dichloropropene	75	10.864	10.871 (1.249)	379803	56.7392	56.7	
61 1,1,2-Trichloroethane	83	11.056	11.057 (1.271)	185981	55.4019	55.4	
62 Dibromochloromethane	129	11.264	11.264 (0.924)	262675	51.3527	51.4	
63 1,3-Dichloropropane	76	11.378	11.379 (0.934)	403885	52.9513	53.0	
64 1,2-Dibromoethane	107	11.550	11.550 (1.328)	233748	53.5169	53.5	
65 2-Hexanone	43	11.836	11.836 (0.971)	176152	51.7870	51.8	
* 66 Chlorobenzene-D5	117	12.186	12.187 (1.000)	596068	50.0000		
67 Chlorobenzene	112	12.207	12.208 (1.002)	691388	56.6961	56.7	
152 1-Chlorohexane	91	12.179	12.179 (0.999)	397189	56.6230	56.6	
68 Ethylbenzene	106	12.243	12.244 (1.005)	366578	53.0051	53.0	
69 1,1,1,2-Tetrachloroethane	131	12.293	12.294 (1.009)	261583	56.8492	56.8	
M 70 Xylenes (total)	106			1336899	171.041	171	
71 m+p-Xylenes	106	12.436	12.437 (1.021)	888496	110.165	110	
72 o-Xylene	106	13.001	13.001 (1.067)	448403	60.8766	60.9	
73 Styrene	104	13.079	13.080 (1.073)	744679	56.5658	56.6	
74 Bromoform	173	13.115	13.116 (1.076)	155129	47.7464	47.7	
75 Isopropylbenzene	105	13.437	13.437 (0.866)	1282824	58.2741	58.3	
\$ 76 P-Bromofluorobenzene	95	13.837	13.838 (1.591)	277159	47.9822	48.0	
77 cis-1,4-Dichloro-2-Butene	53	13.937	13.938 (0.898)	101276	42.6627	42.7	
78 trans-1,4-Dichloro-2-Butene	53	14.395	14.395 (0.928)	85581	44.4205	44.4	

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN		FINAL
							(ug/l)		(ug/l)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
79 Bromobenzene	156	13.987	13.981	(0.901)	280355	52.1537	52.2		
80 N-Propylbenzene	91	14.023	14.024	(0.904)	1577696	58.7415	58.7		
81 1,1,2,2-Tetrachloroethane	83	14.137	14.131	(0.911)	321526	52.1458	52.1		
82 1,3,5-Trimethylbenzene	105	14.316	14.317	(0.923)	1084444	51.8219	51.8		
83 2-Chlorotoluene	91	14.252	14.252	(0.918)	982789	55.7544	55.8		
84 1,2,3-Trichloropropane	75	14.330	14.331	(0.924)	277375	50.3885	50.4		
85 4-Chlorotoluene	91	14.502	14.502	(0.935)	1009701	56.4990	56.5		
86 tert-Butylbenzene	119	14.788	14.788	(0.953)	1084351	59.0945	59.1		
87 Pentachloroethane	117	14.823	14.824	(0.955)	213673	56.4613	56.5		
88 1,2,4-Trimethylbenzene	105	14.902	14.903	(0.960)	1089804	53.1489	53.1		
89 P-Isopropyltoluene	119	15.295	15.296	(0.986)	1153502	57.7450	57.7		
90 1,3-Dichlorobenzene	146	15.402	15.396	(0.993)	528534	54.4638	54.5		
* 91 1,4-Dichlorobenzene-D4	152	15.517	15.518	(1.000)	374545	50.0000			
92 1,4-Dichlorobenzene	146	15.538	15.539	(1.001)	521506	49.4322	49.4		
93 N-Butylbenzene	91	15.967	15.968	(1.029)	1167490	55.8823	55.9		
94 sec-Butylbenzene	105	15.067	15.067	(0.971)	1448548	59.2170	59.2		
95 1,2-Dichlorobenzene	146	16.217	16.218	(1.045)	492019	56.0286	56.0		
96 1,2-Dibromo-3-Chloropropane	75	17.568	17.562	(1.132)	59674	47.5599	47.6		
97 1,3,5-Trichlorobenzene	180	17.618	17.619	(1.135)	330689	49.6552	49.6		
98 Hexachlorobutadiene	225	18.726	18.720	(1.207)	170987	51.3752	51.4		
99 1,2,4-Trichlorobenzene	180	18.762	18.763	(1.209)	262701	49.6969	49.7		
100 1,2,3-Trimethylbenzene	105	15.588	15.582	(1.005)	994143	51.6651	51.7		
101 Naphthalene	128	19.348	19.349	(1.247)	532047	49.3705	49.4		
102 1,2,3-Trichlorobenzene	180	19.684	19.685	(1.269)	173350	50.6183	50.6		
103 Methyl Acetate	43	4.966	4.967	(0.618)	184393	52.0224	52.0		
104 Methylcyclohexane	83	8.626	8.627	(1.073)	427551	56.5459	56.5		
M 153 Total Alkylbenzenes	100				8605835	395.651	396		

Data File: \\target_server\gs\chem\goms-c.i\CD041615.b\CD2351.D
 Date : 16-APR-2015 19:14
 Client ID: AOC9-HM18LTH040815H
 Sample Info: M04161286-6,SI12201
 Purge Volume: 5.0
 Column phase: RTX-VHS

Instrument: goms-c.i
 Operator: EHE
 Column diameter: 0.18



Logbooks and Supporting Documents

GCMS-C INSTRUMENT RUNLOG

KATAHDIN ANALYTICAL SERVICES

DATE/TIME OF BFB INJECTION: 04-08-15 10:19

SAMPLE NAME	DATEFILE	DF	ALS #	METHOD	PREP METHOD				ANALYST	PH	COMMENTS
					5030	5035	1311	KAS DOD MCP			
50 7 BFB -10	CR057	1	-1	VOAREBA					Y EME		
VSTD000C08A	62176A	1	1	CR06A36					Y		W6160924-y
VSTD000C08A	77A	1	2						Y		
VSTD000C08A	78A	1	3						Y		-3
VSTD000C08A	79A	1	4						Y		(x)ve
VSTD000C08A	80A	1	5						Y		ORAY
VSTD000C08A	81A	1	6						Y		-6
LC5A	82	1	7						Y		-5
LC520A	83	1	8						Y		IMJ
VBLK A	84	1	9						Y		W6160927 -7 (6000)
B	85	1	10						N		9155(000)
C	86A	1	11						N		
ST2070-3	87	1	12		X				Y		
ST2069-1	88	1	13						Y		
L -2	89	1	14						Y		
L -3	90	1	15						Y		
ST2069-4	91	1	16						Y		
L -5	92	1	17						X		20:36
Rinse	93	1	18						N		
Rinse	94	1	19						N		
Rinse	95	1	20						N		
ST2070-10L	96	4	21						N		
L -2	97	1	22						Y		10mL 40mL limited volume
ST2156-1 A+B	98	1	23						Y		Decanted 'c' vial
L -2 A+B	99	1	24						Y		
Rinse x7	CR200-2001	1	25						N		

Circle Methods:

SW846 8260

SW846 8260 SIM

SW846 8260 SIM

(heated purge)

OLM 04.2

OLC 03.2

EPA 624

EPA 524

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QAMS560

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GCMS-C INSTRUMENT RUNLOG

KATAHDIN ANALYTICAL SERVICES

DATE/TIME OF BFB INJECTION: 04-14-15/0853

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	PREP METHOD			GROSS	ANALYST	PH	COMMENTS
					5030	5035	1311	KAS ID#	MCP	Y/N	
50 ng BFB	③ CB061	1	-1	VOA BFB AR							
VSTD050C14A	④ C22274	1	1	C86A36							
LCS A (6/6/195)	① 75	1	2								
VBLK A	76	1	3								
B	77	1	4								
C	78	1	5								
ST2201-1	A	1	6		X						
ST2237-5	A	1	7		X						
ST2242-2RA	B	1	8		X						
-5RA	B	1	9		X						
-6RA	B	1	10		X						
-7RA	B	1	11		X						
ST2237-1	A	1	12		X						
-3	A	1	13		X						
-4	A	1	14		X						
ST2201-2	A	1	15		X						
-3	A	1	16		X						
-4	A	1	17		X						
-5	A	1	18		X						
-6	A	1	19		X						
ST2237-2	A	1	20		X						
Rinse		1	21								
Rinse		1	22								
Rinse		1	23								
Rinse		1	24								

Circle Methods:

SW846 8260

OLM 04.2

OLC 03.2

EPA 624

EPA 524

SW846 8260 SIM

SW846 8260 SIM

(heated purge)

STANDARD	CODE
IS MIX	V9780
SS MIX	V9781

STANDARD	CODE
BFB	V9794
CAL. STD.	V9786 V9793
LCS/MS MIX	V9791
EXTRAS MIX	V9785

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QAMS569

00000006

GCMS-C INSTRUMENT RUNLOG

KATAHDIN ANALYTICAL SERVICES

DATE/TIME OF BFB INJECTION: 04-15-15 / 8:57

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	PREP METHOD			Criteria	Y/N	ANALYST	PH	COMMENTS
					5030	5035	1311	KAS DoD MCP				
SDag BFB	③ C8062	1	-1	VOA-BFB-A					Y	EME	7	
VSTD250C15A	④ C2298	1	1	C624A36					Y		7	
LCSA(WGKAW)	① 299	1	2						N			
VBLKA	C2300	1	3						N			
VBLKB	01	1	4						Y			
VBLKC	02	1	5						Y			
MeOHBLK	03	1	6						Y			
SI2314-1	04	1	7		X			X	Y		12	Lab L Pal
SI2201-2RA	05	1	8						Y		12	800 uL > 40 mL
↓ -3R4	06	1	9						Y		12	D20 w/ Lab
SI2207-2DL	07	8	10						N		4	5-740 mL not needed
SI2237-4DL	08	8	11						Y		12	800 uL - 740 mL
SI2116-1DL2	09	1	12						Y		12	800 uL - 740 mL
SI2314-2	10	1	13		X			X	Y		12	DL 1:5
↓ -3DL	11	40	14						Y		12	Decanted 1-740 mL Lab
↓ -4	12	1	15						Y		12	5 to remaining volume
↓ -5	13	1	16						Y		12	DL 1:5
↓ -6DL	14	20	17						Y		12	2-740 mL Decanted
SI2201-7	15	1	18						Y		12	D20 w/ Lab Lab
↓ -8	16	1	19						Y		12	Lab Lab?
↓ -9	17	1	20						Y		12	Lab Lab
Rinse	18	1	21						N		7	
Rinse	19	1	22						N		7	
Rinse	20	1	23						N		7	
VSTD250C15A	21	1	24	C624A36					N		7	
↓ B	22	1	25	↓					Y		7	

STANDARD	CODE
BFB	V9795
CAL. STD.	V9786, V9793
LCS/MS MIX	V9791
EXTRAS MIX	V9785

STANDARD	CODE
IS MIX	V9780
SS MIX	V9781

Circle Methods:
 SW846 8260
 SW846 8260 SIM
 SW846 8260 SIM
 (heated purge)

OLM 04.2
 OLC 03.2
 EPA 624
 EPA 524

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QAMS569

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GCMS-C INSTRUMENT RUNLOG

KATAHDIN ANALYTICAL SERVICES

DATE/TIME OF BFB INJECTION: 04-16-15 / 8:21

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	PREP METHOD			Criteria			ANALYST	PH	COMMENTS
					5030	5035	1311	KAS	DoD	MCP			
50 ng BFB	③ CB063	1	-1	VOABEB Aa							Y	ENE	
VSTD050C16A	④ C2332	1	1	C8L6A36							Y		
LCSA-w66p286	① 133	1	2								Y		
VBLK A	34	1	3								N		
B	35	1	4								N		
✓ C	36	1	5								Y		
STD107-1	A	1	6		X				X		Y		
-2	A	1	7		X				X		Y		
STD314-2DL	B	5	8		X				X		Y		
↓ -5DL	B	5	9		X				X		Y		8mL y 40mL
STD201-10	A	1	10		X				X		Y		
-11DL	A	5	11		X				X		N		8mL y 40mL not needed
-12DL	A	5	12		X				X		N		
-13DL	A	5	13		X				X		N		
-14	A	1	14		X				X		Y		
-15	A	1	15		X				X		Y		
-11	A	1	16		X				X		Y		
-12	A	1	17		X				X		Y		
-13	A	1	18		X				X		Y		
-14MS	⑤ B	1	19		X				X		Y		
✓ -14MSD	⑥ C	1	20		X				X		Y		
Rinse		1	21								Y		19:14✓
Rinse		1	22								N		
CV		1	23								N		
LCSNo Extra		1	24-25										
CVJIM	← 57	1	26										

Circle Methods:

SW846 8260

SW846 8260 SIM

SW846 8260 SIM

(heated purge)

OLM 04.2

OLC 03.2

EPA 624

EPA 524

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QAMS569

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GCMS-C INSTRUMENT RUNLOG

KATAHDIN ANALYTICAL SERVICES

DATE/TIME OF BFB INJECTION: 04/20/15 9:10

SAMPLE NAME	DATAFILE	DF	ALS#	METHOD	PREP METHOD			Criteria		ANALYST	PH	COMMENTS
					5030	5035	1311	KAS	D6D			
50 ng BFB	-3 CB065	1	-1	WABFBA						Y	7	
VSTD050620A	C2386	1	1	CEL6A36						N		
+ B	-4	1	2							Y		
LCSA W616M76-1	88	1	3							Y		
VBLKA	89	1	4							Y		
VBLKB	90	1	5							N		
VBLKC	91	1	6							N		
SI2411-1	92	1	7		X					Y		CS ₂ 1/2 Pol
I -8	93	1	8							Y	L2	
SI2412-1	94	1	9							Y	L2	
I -6	95	1	10							Y	L2	1SSP no L1S > Pol
SI2201-4RA	96	1	11							Y	L2	1SSP
SI2310-5PA	97	1	12							Y	L2	1SSP
SI2412-3DL	98	200	13							Y	L2	1SSP
-4DL	99	20	14							Y	L2	200mL > 40mL Decant 3 vials 20P
-5DL	100	2	15							Y	L2	2mL > 40mL Decant 3 vials 20P
-2	101	1	16							Y	L2	20mL > 40mL Decant 3 vials 20P
SI2411-2	102	1	17							Y	L2	Decant 3 vials 2SSP
-4	103	1	18							Y	L2	2SSP no L1S > Pol
-6	104	1	19							Y	L2	1SSP no L1S > Pol
-4MS	105	1	20							Y	L2	1SSP
-4MSD	106	1	21							Y	L2	1SSP
Rinse	107	1	22							Y	L2	21:08V
Rinse	108	1	23							N		
Rinse	109	1	24							N		
Rinse	110	1	25							N		

Circle Methods:

SW846 8260

OLM 04.2

SW846 8260 SIM

OLC 03.2

SW846 8260 SIM

EPA 624

(heated purge)

EPA 524

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QAMS569

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