GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171 F 843.766.1178

www.gel.com

November 01, 2013

Mr. Eric Gilstrap
Missouri Department of Natural Resources
917 N. Highway 67
Suite 104
Florissant, Missouri 63031

Re: Eberline|State of Missouri DNR (C310163001)
Work Order: 335204

Dear Mr. Gilstrap:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on October 09, 2013. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4505.

Sincerely,

Heather Shaffer

Heather Shaffer
Project Manager

Purchase Order: OR-1303010
Enclosures

Eberline Services OR-1303010
Eberline|State of Missouri DNR (C310163001)
SDG: 335204

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Case Narrative

Case Narrative
for
Eberline Services OR-1303010
SDG: 335204

November 01, 2013

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary

Sample Receipt The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on October 09, 2013 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification The laboratory received the following samples:

Laboratory ID	Client ID
335204001	WLL20131008TB2
335204002	WLL20131008H5
335204003	WLL20131008I5
335204004	WLL20131008J5
335204005	WLL20131008K5

Case Narrative

Sample analyses were conducted using methodology as outlined in GEL Laboratories, LLC (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

Data Package

The enclosed data package contains the following sections: General Narrative, Chain of Custody and Supporting Documentation, and data from the following fractions: GC/MS Volatile.

Heather Shaffer

Heather Shaffer
Project Manager

Chain of Custody

Page: 1 of 1
Project #: NJ09WLAK
GEL Quote #:
COC Number (1):
PO Number:

GEL Chain of Custody and Analytical Request

See www.gel.com for GEL's Sample Acceptance SOP

GEL Work Order Number: 335204

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: MDNR HWP FFS Phone #: 314-877-3046

Project/Site Name: West Lake Landfill Fax #:

Address: 917 N. Hwy 67 Suite 104 Florissant, MO 63031

Collected by: Shawn Muenks Send Results To: Rita Alexander

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive	Should this sample be considered: TSCA Regulated	Total number of containers	VOC 8260B									<-- Preservative Type (6)	Comments Note: extra sample is required for sample specific QC
WLL 2013 1008 TB2	10/8/13	1400	TB	NA	GW			1	1									HCL 4°C	
WLL 2013 1008 H5	10/8/13	1540	N	NA	GW			3	3									HCL 4°C	
WLL 2013 1008 I5	10/8/13	1420	N	NA	GW			3	3									HCL 4°C	
WLL 2013 1008 J5	10/8/13	1450	N	NA	GW			3	3									HCL 4°C	
WLL 2013 1008 K5	10/8/13	1505	N	NA	GW			3	3									NO HCL Effervesced 4°C	

TAT Requested: Normal: X Rush: Specify: (Subject to Surcharge) Fax Results: Yes / No Email rita.alexander@dnr.mo.gov Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: *Are there any known hazards applicable to these samples? If so, please list the hazards*
None

Sample Collection Time Zone: Eastern Pacific Central Other _____ Mountain

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1 Shawn Muenks	10/08/2013	1715	1 [signature]	10-9-13	0905
2			2		
3			3		

Sample Shipping and Delivery Details

GEL PM:
Method of Shipment: Date Shipped:
Airbill #:
Airbill #:

1.) Chain of Custody Number = Client Determined
2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite
3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.
4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=N
5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).
6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate. If no preservative is added = leave field blank

For Lab Receiving Use Only
Custody Seal Intact? *YES* *NO*
Cooler Temp: *C*

WHITE = LABORATORY **YELLOW = FILE** **PINK = CLIENT**

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: MDNR	**SDG/AR/COC/Work Order:** 335201 / 335204
Received By: JP	**Date Received:** 10-9-13

Suspected Hazard Information	**Yes**	**No**	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0cpm
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample contatiners < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregeated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	**Yes**	**NA**	**No**	**Comments/Qualifiers (Required for Non-Conforming Items)**
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: Ice bags (Blue ice) Dry ice None Other (describe) *all temperatures are recorded in Celsius 4
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: 130462941 Secondary Temperature Device Serial # (If Applicable):
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	VOA vials free of headspace (defined as < 6mm bubble)?	✓			Sample ID's and containers affected:
7	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
11	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
12	Are sample containers identifiable as GEL provided?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			
14	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground (UPS) Field Services Courier Other 1Z R04 0W6 01 9925 2562 " " " " 9600 3578

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JP Date 10-9-13 Page 1 of 1

Laboratory Certifications

List of current GEL Certifications as of 01 November 2013

State	Certification
Alaska	UST−110
Arkansas	88−0651
CLIA	42D0904046
California NELAP	01151CA
Colorado	SC00012
Connecticut	PH−0169
Delaware	SC000122013−10
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330−12−00283, P330−12−00284
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC000122013−10
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C−SC−01
Kansas NELAP	E−10332
Kentucky	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA130005
Maryland	270
Massachusetts	M−SC012
Michigan	9976
Mississippi	SC000122013−10
Nebraska	NE−OS−26−13
Nevada	SC000122013−2
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
Oklahoma	9904
Pennsylvania NELAP	68−00485
Plant Material Permit	PDEP−12−00260
South Carolina Chemistry	10120001
South Carolina GVL	23611001
South Carolina Radiochemi	10120002
Tennessee	TN 02934
Texas NELAP	T104704235−13−8
Utah NELAP	SC000122013−11
Vermont	VT87156
Virginia NELAP	460202
Washington	C780−12
Wisconsin	999887790

Volatile Analysis

Case Narrative

ChemStation Case Narrative
Eberline Services OR-1303010 (EBER)
SDG 335204

Method/Analysis Information

Procedure:	**Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer**
Analytical Method:	SW846 8260B
Analytical Batch Number:	1340505

Sample Analysis

The following client and quality control samples were analyzed to complete this SDG using the methods referenced in the Analysis Information section:

Sample ID	Client ID
335204001	WLL20131008TB2
335204002	WLL20131008H5
335204003	WLL20131008I5
335204004	WLL20131008J5
335204005	WLL20131008K5
1202971009	335201004(WLL20131008G5) Post Spike (PS)
1202971010	335201004(WLL20131008G5) Post Spike Duplicate (PSD)
1202971501	Method Blank (MB)
1202971502	Laboratory Control Sample (LCS)

NOTE: For volatile organic analyses the matrix spike designations may be indicated as "PS" or "PSD". The "PS" designation (post spike) indicates that the matrix was fortified prior to analysis but after applying any prep factors, such as a dilution. The laboratory considers the MS/MSD and PS/PSD designations interchangeable.

The samples in this SDG were analyzed on an "as received" basis.

Preparation/Analytical Method Verification

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-OA-E-038 REV# 20.

Raw data reports are processed and reviewed by the analyst using the Chemstation software package. False positives have been removed from the quantitation reports per standard operating procedures (SOP) section 19.1.2. False positive analytes are designated on the quantitation report with a ’d’ qualifier.

Calibration Information

A complete list of the initial calibration data files with the correct dates and times of analysis are shown in the Calibration History report located in the Standard Data section of the data package.

The surrogate compounds were calibrated using a minimum five-point calibration curve. The surrogates were added by the auto sampler at a concentration of 50 ug/L or 20 ug/L for low level analyses. GEL Laboratories LLC will not have surrogate recoveries reported for Dibromofluoromethane. This is due to increased regulations for this analyte and an industry shortage.

Initial Calibration
All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

Quality Control (QC) Information

Blank (MB) Statement
The blank analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
Surrogate recoveries in all client and quality control samples were within the acceptance limits.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

QC Sample Designation
Sample 335201004 (WLL20131008G5) was designated for spike analysis.

Matrix Spike (PS) Recovery Statement
The spike 1202971009 (WLL20131008G5) recoveries were not all within the acceptance limits. See the Data Exception Report in the miscellaneous section of the data package.

Matrix Spike Duplicate (PSD) Recovery Statement
The spike duplicate 1202971010 (WLL20131008G5) recoveries were not all within the acceptance limits. See the Data Exception Report in the miscellaneous section of the data package.

Relative Percent Difference (RPD) Statement
The RPDs between the matrix spike pair met the acceptance limits.

Internal Standard (ISTD) Acceptance
The internal standard responses in all client and quality control samples met the required acceptance criteria.

Technical Information

Holding Time Specifications
GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection or sample receipt. Those holding times expressed in hours are calculated in the ALPHALIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Sample Preservation and Integrity
Preservation for sample 335204005 (WLL20131008K5) was indicated on the vial, however the sample pH value was above 2. The sample was analyzed beyond the 7th day from collection, consequently the holding time was exceeded for un-preserved Volatile analysis.

Sample Dilutions/Methanol Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
Re-analyses were not required for samples in this SDG.

Miscellaneous Information

Electronic Packaging Comment

This data package was generated using an electronic data processing program referred to as virtual packaging. In an effort to increase quality and efficiency, the laboratory has developed systems to generate all data packages electronically. The following change from traditional packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative will include the data validator's signature and title. The signature page also includes the data qualifiers used in the fractional package. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

Data Exception (DER) Documentation
The following DER was generated for this SDG: 1235779.

Manual Integrations
Data files associated with the initial calibration, continuing calibration check, and samples did not require manual integrations.

TIC Comment
Tentatively identified compounds (TIC) were not required for this SDG.

Additional Comments
Additional comments were not required for this SDG.

Residual Chlorine
Residual Chlorine was not detected in any of the samples in this SDG.

System Configuration

The Volatile-GC/MS analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description	P & T Trap
VOA3.I	Agilent 6890/5973 GC/MS w/ OI 4560/Archon Autosampler	HP6890/HP5973	DB-624	J&W, 60m x 0.25mm x 1.4um	Trap 10

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report
for

EBER001 Eberline Services OR-1303010

Client SDG: 335204 GEL Work Order: 335204

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

DL Indicates that sample is diluted.
RA Indicates that sample is re-analyzed without re-extraction.
RE Indicates that sample is re-extracted.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Erin Haubert **Name: Erin Haubert**

Date: 07 NOV 2013 **Title: Data Validator**

Sample Data Summary

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:00**	**Matrix:**	**WATER**
Lab Sample ID:	**335204001**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008TB2**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/21/2013 23:54**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/21/2013 23:54**				
Data File:	**102113V3\3G136.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
123-91-1	1,4-Dioxane	U	50.0	ug/L	15.0	50.0
78-93-3	2-Butanone	U	5.00	ug/L	2.00	5.00
591-78-6	2-Hexanone	U	5.00	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.50	5.00
67-64-1	Acetone	U	5.00	ug/L	2.50	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
74-97-5	Bromochloromethane	U	1.00	ug/L	0.300	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.300	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.300	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.300	1.00
75-15-0	Carbon disulfide	U	5.00	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.300	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.300	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.300	1.00
67-66-3	Chloroform	U	1.00	ug/L	0.300	1.00
74-87-3	Chloromethane	U	1.00	ug/L	0.300	1.00
110-82-7	Cyclohexane	U	1.00	ug/L	0.300	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.300	1.00
98-82-8	Isopropylbenzene	U	1.00	ug/L	0.300	1.00
79-20-9	Methyl acetate	U	5.00	ug/L	1.50	5.00
108-87-2	Methylcyclohexane	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:00**	**Matrix:**	**WATER**
Lab Sample ID:	**335204001**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008TB2**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/21/2013 23:54**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/21/2013 23:54**				
Data File:	**102113V3\3G136.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride	U	5.00	ug/L	1.00	5.00
100-42-5	Styrene	U	1.00	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran	U	5.00	ug/L	1.50	5.00
108-88-3	Toluene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/L	0.300	2.00
95-47-6	o-Xylene	U	1.00	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether	U	1.00	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 15:40**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204002**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008H5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 00:23**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 00:23**				
Data File:	**102113V3\3G137.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
123-91-1	1,4-Dioxane		123	ug/L	15.0	50.0
78-93-3	2-Butanone	U	5.00	ug/L	2.00	5.00
591-78-6	2-Hexanone	U	5.00	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.50	5.00
67-64-1	Acetone	U	5.00	ug/L	2.50	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
74-97-5	Bromochloromethane	U	1.00	ug/L	0.300	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.300	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.300	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.300	1.00
75-15-0	Carbon disulfide	U	5.00	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.300	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.300	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.300	1.00
67-66-3	Chloroform	U	1.00	ug/L	0.300	1.00
74-87-3	Chloromethane	U	1.00	ug/L	0.300	1.00
110-82-7	Cyclohexane	U	1.00	ug/L	0.300	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.300	1.00
98-82-8	Isopropylbenzene	U	1.00	ug/L	0.300	1.00
79-20-9	Methyl acetate	U	5.00	ug/L	1.50	5.00
108-87-2	Methylcyclohexane	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 15:40**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204002**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008H5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 00:23**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 00:23**				
Data File:	**102113V3\3G137.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride	U	5.00	ug/L	1.00	5.00
100-42-5	Styrene	U	1.00	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran		19.2	ug/L	1.50	5.00
108-88-3	Toluene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene	J	0.390	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/L	0.300	2.00
95-47-6	o-Xylene	U	1.00	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether		2.74	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:20**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204003**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008I5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 00:52**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 00:52**				
Data File:	**102113V3\3G138.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
123-91-1	1,4-Dioxane		147	ug/L	15.0	50.0
78-93-3	2-Butanone	U	5.00	ug/L	2.00	5.00
591-78-6	2-Hexanone	U	5.00	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.50	5.00
67-64-1	Acetone	U	5.00	ug/L	2.50	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
74-97-5	Bromochloromethane	U	1.00	ug/L	0.300	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.300	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.300	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.300	1.00
75-15-0	Carbon disulfide	U	5.00	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.300	1.00
108-90-7	Chlorobenzene	J	0.340	ug/L	0.300	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.300	1.00
67-66-3	Chloroform	U	1.00	ug/L	0.300	1.00
74-87-3	Chloromethane	U	1.00	ug/L	0.300	1.00
110-82-7	Cyclohexane	U	1.00	ug/L	0.300	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.300	1.00
98-82-8	Isopropylbenzene	U	1.00	ug/L	0.300	1.00
79-20-9	Methyl acetate	U	5.00	ug/L	1.50	5.00
108-87-2	Methylcyclohexane	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:20**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204003**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008I5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 00:52**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 00:52**				
Data File:	**102113V3\3G138.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride	U	5.00	ug/L	1.00	5.00
100-42-5	Styrene	U	1.00	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran		29.3	ug/L	1.50	5.00
108-88-3	Toluene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride		1.71	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/L	0.300	2.00
95-47-6	o-Xylene	U	1.00	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether	U	1.00	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:50**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204004**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008J5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 01:20**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 01:20**				
Data File:	**102113V3\3G139.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane		4.01	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
123-91-1	1,4-Dioxane		109	ug/L	15.0	50.0
78-93-3	2-Butanone	U	5.00	ug/L	2.00	5.00
591-78-6	2-Hexanone	U	5.00	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.50	5.00
67-64-1	Acetone	U	5.00	ug/L	2.50	5.00
71-43-2	Benzene		2.51	ug/L	0.300	1.00
74-97-5	Bromochloromethane	U	1.00	ug/L	0.300	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.300	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.300	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.300	1.00
75-15-0	Carbon disulfide	U	5.00	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.300	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.300	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.300	1.00
67-66-3	Chloroform	U	1.00	ug/L	0.300	1.00
74-87-3	Chloromethane	U	1.00	ug/L	0.300	1.00
110-82-7	Cyclohexane	U	1.00	ug/L	0.300	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.300	1.00
98-82-8	Isopropylbenzene	U	1.00	ug/L	0.300	1.00
79-20-9	Methyl acetate	U	5.00	ug/L	1.50	5.00
108-87-2	Methylcyclohexane	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:50**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204004**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008J5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 01:20**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 01:20**				
Data File:	**102113V3\3G139.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride	U	5.00	ug/L	1.00	5.00
100-42-5	Styrene	U	1.00	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran		26.9	ug/L	1.50	5.00
108-88-3	Toluene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride		39.4	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene		47.4	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/L	0.300	2.00
95-47-6	o-Xylene	U	1.00	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether	U	1.00	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 15:05**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204005**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008K5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 01:49**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 01:49**				
Data File:	**102113V3\3G140.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
123-91-1	1,4-Dioxane		100	ug/L	15.0	50.0
78-93-3	2-Butanone	U	5.00	ug/L	2.00	5.00
591-78-6	2-Hexanone	U	5.00	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.50	5.00
67-64-1	Acetone	J	2.74	ug/L	2.50	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
74-97-5	Bromochloromethane	U	1.00	ug/L	0.300	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.300	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.300	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.300	1.00
75-15-0	Carbon disulfide	U	5.00	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.300	1.00
108-90-7	Chlorobenzene		1.09	ug/L	0.300	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.300	1.00
67-66-3	Chloroform	U	1.00	ug/L	0.300	1.00
74-87-3	Chloromethane	U	1.00	ug/L	0.300	1.00
110-82-7	Cyclohexane	U	1.00	ug/L	0.300	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.300	1.00
98-82-8	Isopropylbenzene	U	1.00	ug/L	0.300	1.00
79-20-9	Methyl acetate	U	5.00	ug/L	1.50	5.00
108-87-2	Methylcyclohexane	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 15:05**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204005**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008K5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 01:49**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 01:49**				
Data File:	**102113V3\3G140.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride	U	5.00	ug/L	1.00	5.00
100-42-5	Styrene	U	1.00	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran		24.5	ug/L	1.50	5.00
108-88-3	Toluene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride	J	0.610	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene		1.04	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/L	0.300	2.00
95-47-6	o-Xylene	U	1.00	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether	U	1.00	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00

Quality Control Summary

Volatile

Surrogate Recovery Report

SDG Number: 335204

Matrix Type: LIQUID

Sample ID	Client ID	DCED4 %REC	TOL %REC	BFB %REC
1202971502	LCS for batch 1340505	94	98	96
1202971501	MB for batch 1340505	99	101	98
335204001	WLL20131008TB2	108	103	107
335204002	WLL20131008H5	107	98	108
335204003	WLL20131008I5	112	101	106
335204004	WLL20131008J5	116	109	113
335204005	WLL20131008K5	108	103	106

Surrogate			Acceptance Limits
DCED4	=	1,2-Dichloroethane-d4	(78%-124%)
TOL	=	Toluene-d8	(80%-120%)
BFB	=	Bromofluorobenzene	(80%-120%)

* Recovery outside Acceptance Limits
# Column to be used to flag recovery values
D Sample Diluted

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **335204**
Client ID: **WLL20131008G5PS**
Lab Sample ID **1202971009**
Instrument: **VOA3.I**
Analyst: **CDS1**
Purge Vol: **5 mL**

Sample Type: **Post Spike**
Matrix: **WATER**
Analysis Date: **10/22/2013 03:45**
Dilution: 1
Batch ID: **1340505**

CAS No		Parmname	Amount Added ug/L	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
75-35-4	PS	1,1-Dichloroethylene	50.0	0.00	U	53.8	108	74-130
71-43-2	PS	Benzene	50.0	0.00	U	50.0	100	75-120
79-01-6	PS	Trichloroethylene	50.0	0.00	U	54.9	110	75-125
108-88-3	PS	Toluene	50.0	0.00	U	51.3	103	72-120
108-90-7	PS	Chlorobenzene	50.0	2.01		51.8	99	74-120

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **335204**
Client ID: **WLL20131008G5PSD**
Lab Sample ID **1202971010**
Instrument: **VOA3.I**
Analyst: **CDS1**
Purge Vol: **5 mL**

Sample Type: **Post Spike Duplicate**
Matrix: **WATER**
Analysis Date: **10/22/2013 04:14**
Dilution: 1
Batch ID: **1340505**

CAS No		Parmname	Amount Added ug/L	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
75-35-4	PSD	1,1-Dichloroethylene	50.0	0.00	U	51.6	103	74-130	4	0-20
71-43-2	PSD	Benzene	50.0	0.00	U	48.3	97	75-120	4	0-20
79-01-6	PSD	Trichloroethylene	50.0	0.00	U	50.1	100	75-125	9	0-20
108-88-3	PSD	Toluene	50.0	0.00	U	47.7	95	72-120	7	0-20
108-90-7	PSD	Chlorobenzene	50.0	2.01		51.0	98	74-120	2	0-20

Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: **335204**
Client ID: **LCS for batch 1340505**
Lab Sample ID **1202971502**
Instrument: **VOA3.I**
Analyst: **CDS1**
Purge Vol: **5 mL**

Sample Type: **Laboratory Control Sample**
Matrix: **GROUND WATER**
Analysis Date: **10/21/2013 20:03**
Dilution: 1
Batch ID: **1340505**

CAS No		Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits
75-35-4	LCS	1,1-Dichloroethylene	50.0	0.0	50.0	100	80-128
71-43-2	LCS	Benzene	50.0	0.0	47.6	95	78-120
79-01-6	LCS	Trichloroethylene	50.0	0.0	50.6	101	80-121
108-88-3	LCS	Toluene	50.0	0.0	47.7	95	78-120
108-90-7	LCS	Chlorobenzene	50.0	0.0	51.3	103	79-120

Method Blank Summary

SDG Number:	**335204**	**Client:**	**EBER001**	**Matrix:**	**GROUND WATER**
Client ID:	**MB for batch 1340505**	**Instrument ID:**	**VOA3.I**	**Data File:**	**102113V3\3G130.D**
Lab Sample ID:	**1202971501**	**Prep Date:**	**10/21/2013 21:01**	**Analyzed:**	**10/21/13 21:01**
Column:	**DB-624**				

This method blank applies to the following samples and quality control samples:

Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01 LCS for batch 1340505	1202971502	102113V3\3G128.D	10/21/13	2003
02 WLL20131008TB2	335204001	102113V3\3G136.D	10/21/13	2354
03 WLL20131008H5	335204002	102113V3\3G137.D	10/22/13	0023
04 WLL20131008I5	335204003	102113V3\3G138.D	10/22/13	0052
05 WLL20131008J5	335204004	102113V3\3G139.D	10/22/13	0120
06 WLL20131008K5	335204005	102113V3\3G140.D	10/22/13	0149

Instrument Performance Check

BROMOFLUOROBENZENE

Lab Name GEL Laboratories LLC **Client SDG:** 335204

Instrument ID: VOA3.I **Injection Date/Time:** 08-OCT-13 12:40

Column Description: DB-624 **Lab File ID** 100813V3\3E201.D

m/e	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	53.3
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	0.6
174	50.0 - 100.0% of mass 95	79.3
175	5.0 -9.0% of mass 174	7.2
176	95.0 - 101.0% of mass 174	98.1
177	5.0 - 9.0% of mass 176	6.2

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD,BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
ICALMIX[A]	W3VM131008-01	100813V3\3E202.D	08-OCT-13 13:16
ICALMIX[A]	W3VM131008-02	100813V3\3E203.D	08-OCT-13 13:45
ICALMIX[A]	W3VM131008-03	100813V3\3E204.D	08-OCT-13 14:14
ICALMIX[A]	W3VM131008-04	100813V3\3E206.D	08-OCT-13 15:12
ICALMIX[A]	W3VM131008-05	100813V3\3E207.D	08-OCT-13 15:41
ICALMIX[A]	W3VM131008-06	100813V3\3E208.D	08-OCT-13 16:10
ICALMIX[A]	W3VM131008-07	100813V3\3E209.D	08-OCT-13 16:39
ICALMIX[A]	W3VM131008-08	100813V3\3E210.D	08-OCT-13 17:07
ICALMIX[A]	W3VM131008-09	100813V3\3E211.D	08-OCT-13 17:36
ICVMIX[A]01	W3VM131008-10	100813V3\3E212.D	08-OCT-13 18:05
ICALMIX[B]	W3VM131008-11	100813V3\3E213.D	08-OCT-13 18:34
ICALMIX[B]	W3VM131008-12	100813V3\3E214.D	08-OCT-13 19:03
ICALMIX[B]	W3VM131008-13	100813V3\3E215.D	08-OCT-13 19:32
ICALMIX[B]	W3VM131008-14	100813V3\3E216.D	08-OCT-13 20:00
ICALMIX[B]	W3VM131008-15	100813V3\3E217.D	08-OCT-13 20:29
ICALMIX[B]	W3VM131008-16	100813V3\3E218.D	08-OCT-13 20:58
ICALMIX[B]	W3VM131008-17	100813V3\3E219.D	08-OCT-13 21:26
ICVMIX[B]02	W3VM131008-18	100813V3\3E221.D	08-OCT-13 22:23

Instrument Performance Check

BROMOFLUOROBENZENE

Lab Name GEL Laboratories LLC **Client SDG:** 335204

Instrument ID: VOA3.I **Injection Date/Time:** 21-OCT-13 19:09

Column Description: DB-624 **Lab File ID** 102113V3\3G126.D

m/e	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	49.9
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	0.7
174	50.0 - 100.0% of mass 95	83.1
175	5.0 -9.0% of mass 174	7.4
176	95.0 - 101.0% of mass 174	96.4
177	5.0 - 9.0% of mass 176	6.8

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD,BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
CCVMIX[A]03	W3VM131021-06	102113V3\3G127.D	21-OCT-13 19:34
BLK01LCS	1202971502	102113V3\3G128.D	21-OCT-13 20:03
CCVMIX[B]04	W3VM131021-08	102113V3\3G129.D	21-OCT-13 20:32
BLK01	1202971501	102113V3\3G130.D	21-OCT-13 21:01
WLL20131008TB2	335204001	102113V3\3G136.D	21-OCT-13 23:54
WLL20131008H5	335204002	102113V3\3G137.D	22-OCT-13 00:23
WLL20131008I5	335204003	102113V3\3G138.D	22-OCT-13 00:52
WLL20131008J5	335204004	102113V3\3G139.D	22-OCT-13 01:20
WLL20131008K5	335204005	102113V3\3G140.D	22-OCT-13 01:49

Internal Standard
Area and RT Summary

Lab Name : GEL Laboratories LLC

Client SDG: 335204

Instrument: VOA3.I

STD Analysis Time: 21-OCT-13 19:34

GC Column: DB-624

Data File: 102113V3\3G127.D

	Fluorobenzene			Chlorobenzene-d5			1,4-Dichlorobenzene-d4		
	Area	#	RT #	Area	#	RT #	Area	#	RT #
12 Hour STD	925953		12.4	405842		16.0	480590		18.6
Upper Limit	1851906		12.9	811684		16.5	961180		19.1
Lower Limit	462977		11.9	202921		15.5	240295		18.1
Sample ID									
BLK01LCS	944821		12.4	440464		16.0	539206		18.6
BLK01	1015539		12.4	438796		16.0	536624		18.6
WLL20131008TB2	720612		12.4	321176		16.0	361445		18.6
WLL20131008H5	719122		12.4	316924		16.0	344854		18.6
WLL20131008I5	643387		12.4	297675		16.0	338851		18.6
WLL20131008J5	651262		12.4	279356		16.0	306052		18.6
WLL20131008K5	698193		12.4	306166		16.0	351863		18.6

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
* Value outside of QC Limits

Sample Data

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:00**	**Matrix:**	**WATER**
Lab Sample ID:	**335204001**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008TB2**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/21/2013 23:54**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/21/2013 23:54**				
Data File:	**102113V3\3G136.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
123-91-1	1,4-Dioxane	U	50.0	ug/L	15.0	50.0
78-93-3	2-Butanone	U	5.00	ug/L	2.00	5.00
591-78-6	2-Hexanone	U	5.00	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.50	5.00
67-64-1	Acetone	U	5.00	ug/L	2.50	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
74-97-5	Bromochloromethane	U	1.00	ug/L	0.300	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.300	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.300	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.300	1.00
75-15-0	Carbon disulfide	U	5.00	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.300	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.300	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.300	1.00
67-66-3	Chloroform	U	1.00	ug/L	0.300	1.00
74-87-3	Chloromethane	U	1.00	ug/L	0.300	1.00
110-82-7	Cyclohexane	U	1.00	ug/L	0.300	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.300	1.00
98-82-8	Isopropylbenzene	U	1.00	ug/L	0.300	1.00
79-20-9	Methyl acetate	U	5.00	ug/L	1.50	5.00
108-87-2	Methylcyclohexane	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:00**	**Matrix:**	**WATER**
Lab Sample ID:	**335204001**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008TB2**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/21/2013 23:54**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/21/2013 23:54**				
Data File:	**102113V3\3G136.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride	U	5.00	ug/L	1.00	5.00
100-42-5	Styrene	U	1.00	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran	U	5.00	ug/L	1.50	5.00
108-88-3	Toluene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/L	0.300	2.00
95-47-6	o-Xylene	U	1.00	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether	U	1.00	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G136.D
Acq On : 21 Oct 2013 23:54
Operator : CDS1
InstName : VOA3
Sample : |335204001|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 22 07:44:32 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) Fluorobenzene	96	12.402	12.402	1.000	720612	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	321176	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	361445	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	720612	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	321176	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	361445	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	148565	54.06	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	741248	51.48	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	351500	53.41	ug/L	0.00

Compound	Amount	Range	Recovery
30) 1,2-Dichloroethane-d4	50.000	78 - 124	108.12%
45) Toluene-d8	50.000	80 - 120	102.96%
63) Bromofluorobenzene	50.000	80 - 120	106.82%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		0.000	4.894	0.000	0	N.D.		
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride		0.000	5.643	0.000	0	N.D.		
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		0.000	7.647	0.000	0	N.D.		
9) Acetone		0.000	8.181	0.000	0	N.D.		
10) 1,1-Dichloroethylene		0.000	8.145	0.000	0	N.D.		
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile		0.000	8.679	0.000	0	N.D.		
13) Methyl acetate		0.000	8.702	0.000	0	N.D.		
14) Carbon disulfide		0.000	8.619	0.000	0	N.D.		
15) Methylene chloride	84	8.940	8.940	0.721	10894	Below Cal		99
16) tert-Butyl methyl ether		0.000	9.331	0.000	0	N.D.		
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		0.000	9.746	0.000	0	N.D.		
19) Vinyl acetate		0.000	10.019	0.000	0	N.D.		
20) 1,1-Dichloroethane		0.000	10.043	0.000	0	N.D.		
21) 2-Butanone		0.000	10.837	0.000	0	N.D.		
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		0.000	11.679	0.000	0	N.D.		
28) 1,1-Dichloropropene		0.000	11.786	0.000	0	N.D.		
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		0.000	12.082	0.000	0	N.D.		
32) Benzene		0.000	12.082	0.000	0	N.D.		
33) Cyclohexene		0.000	12.201	0.000	0	N.D.		
34) n-Butyl alcohol		0.000	12.580	0.000	0	N.D.		
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G136.D
Acq On : 21 Oct 2013 23:54
Operator : CDS1
InstName : VOA3
Sample : |335204001|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 22 07:44:32 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
36) 2-Pentanone		0.000	12.995	0.000	0	N.D.	
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.	
38) Methylcyclohexane		0.000	13.126	0.000	0	N.D.	
39) Dibromomethane		0.000	13.315	0.000	0	N.D.	
40) Bromodichloromethane		0.000	13.458	0.000	0	N.D.	
41) 2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.	
42) cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.	
44) 4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.	
46) Toluene		0.000	14.406	0.000	0	N.D.	
47) trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.	
48) 1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.	
49) 2-Hexanone		0.000	15.047	0.000	0	N.D.	
50) 1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.	
51) Tetrachloroethylene		0.000	15.059	0.000	0	N.D.	
52) Dibromochloromethane		0.000	15.343	0.000	0	N.D.	
53) 1,2-Dibromoethane		0.000	15.521	0.000	0	N.D.	
54) Chlorobenzene		0.000	16.043	0.000	0	N.D.	
55) 1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.	
56) Ethylbenzene		0.000	16.114	0.000	0	N.D.	
57) m,p-Xylenes		0.000	16.233	0.000	0	N.D.	
58) o-Xylene		0.000	16.695	0.000	0	N.D.	
59) Styrene		0.000	16.695	0.000	0	N.D.	
61) Bromoform		0.000	16.980	0.000	0	N.D.	
62) Isopropylbenzene	105	17.288	17.075	0.931	414	N.D.	
64) 1,1,2,2-Tetrachloroethane		0.000	17.383	0.000	0	N.D.	
65) 1,2,3-Trichloropropane		0.000	17.466	0.000	0	N.D.	
66) Bromobenzene		0.000	17.502	0.000	0	N.D.	
67) n-Propylbenzene		0.000	17.513	0.000	0	N.D.	
68) 1,3,5-Trimethylbenzene		0.000	17.668	0.000	0	N.D.	
69) 2-Chlorotoluene		0.000	17.668	0.000	0	N.D.	
70) 4-Chlorotoluene		0.000	17.774	0.000	0	N.D.	
71) tert-Butylbenzene		0.000	18.059	0.000	0	N.D.	
72) 1,2,4-Trimethylbenzene		0.000	18.106	0.000	0	N.D.	
73) sec-Butylbenzene		0.000	18.296	0.000	0	N.D.	
74) 4-Isopropyltoluene		0.000	18.426	0.000	0	N.D.	
75) 1,3-Dichlorobenzene		0.000	18.509	0.000	0	N.D.	
76) 1,4-Dichlorobenzene	146	18.604	18.604	1.002	659	N.D.	
77) n-Butylbenzene		0.000	18.901	0.000	0	N.D.	
78) 1,2-Dichlorobenzene		0.000	19.055	0.000	0	N.D.	
79) 1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.	
80) 1,2,4-Trichlorobenzene		0.000	21.142	0.000	0	N.D.	
81) Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.	
82) Naphthalene	128	21.581	21.581	1.162	1365	N.D.	
83) 1,2,3-Trichlorobenzene		0.000	21.960	0.000	0	N.D.	
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.	
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.	
87) Acrolein		0.000	7.932	0.000	0	N.D.	
88) Trichlorotrifluoroethane		0.000	8.121	0.000	0	N.D.	
89) Isopropyl Alcohol		0.000	8.347	0.000	0m	N.D.	d
90) Allyl chloride		0.000	8.726	0.000	0	N.D.	
91) tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.	
92) Acrylonitrile		0.000	9.331	0.000	0	N.D.	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G136.D
Acq On : 21 Oct 2013 23:54
Operator : CDS1
InstName : VOA3
Sample : |335204001|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 22 07:44:32 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

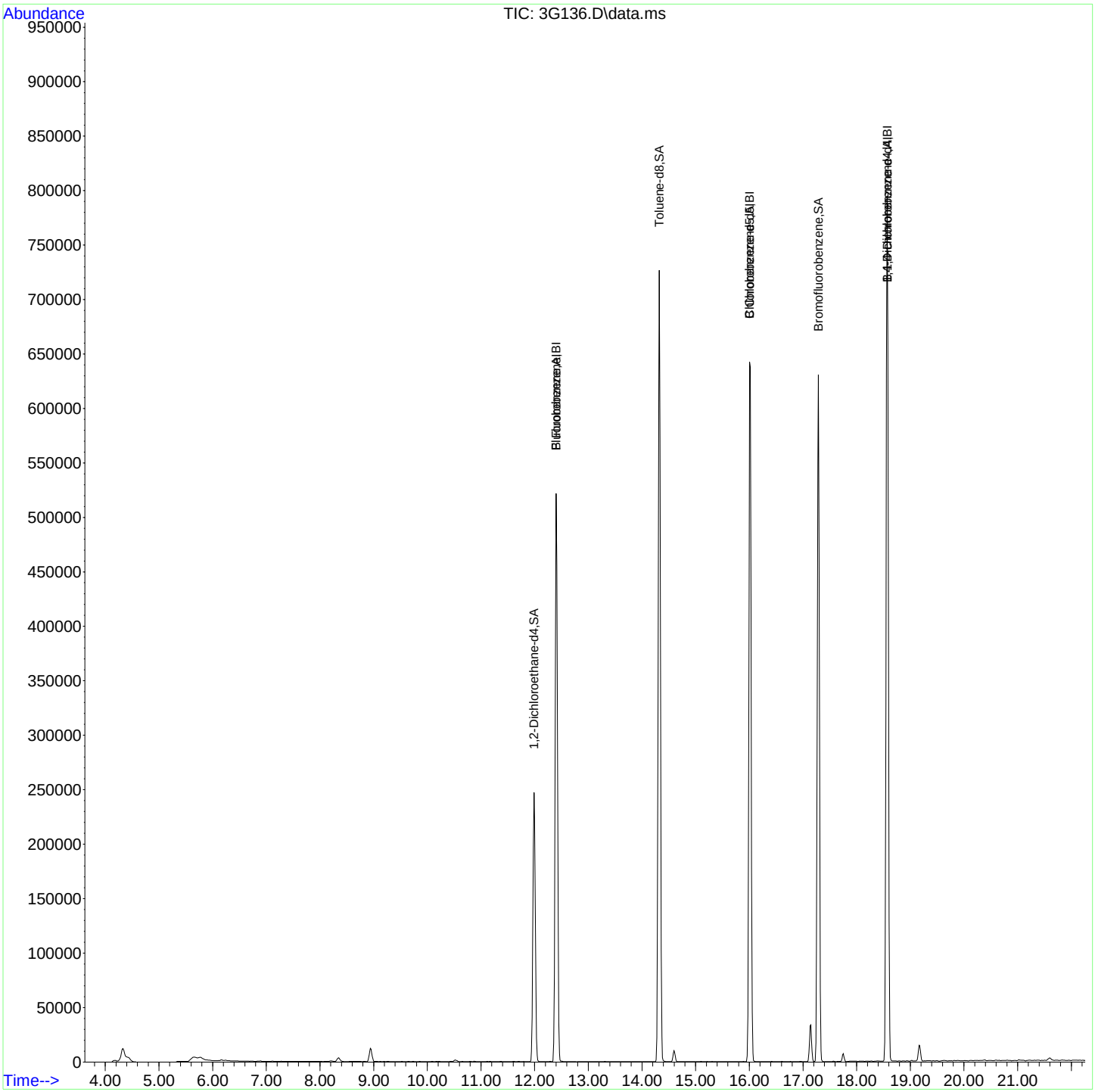
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
93)	Isopropyl ether		0.000	10.031	0.000	0	N.D.	
94)	2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.	
95)	Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.	
96)	Ethyl acetate	43	10.873	10.861	0.877	178	N.D.	
97)	Propionitrile		0.000	10.956	0.000	0	N.D.	
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		0.000	11.276	0.000	0	N.D.	
100)	Isobutyl alcohol		0.000	11.750	0.000	0	N.D.	
101)	Methyl tert-amyl ether		0.000	12.118	0.000	0	N.D.	
102)	Methyl methacrylate		0.000	13.161	0.000	0	N.D.	
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		0.000	13.719	0.000	0	N.D.	
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		0.000	17.134	0.000	0	N.D.	
110)	Cyclohexanone	55	17.276	17.252	0.930	442	N.D.	
111)	trans-1,4-Dichloro-2-b...		0.000	17.430	0.000	0	N.D.	
112)	Pentachloroethane		0.000	18.142	0.000	0	N.D.	
113)	Benzyl chloride	91	18.569	18.735	1.000	511	N.D.	
114)	bis(2-Chloroisopropyl)...	45	19.174	19.150	1.033	426	N.D.	

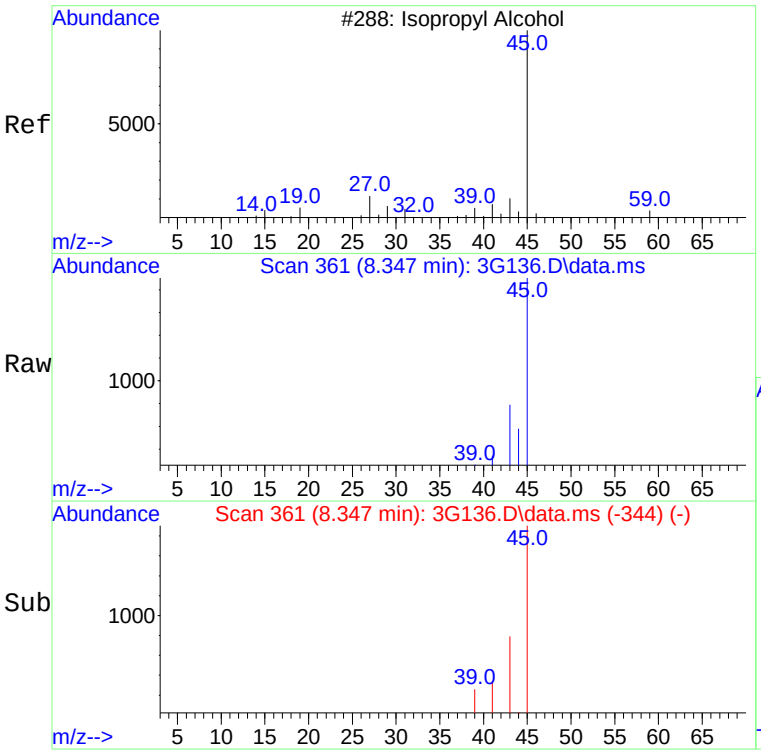
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G136.D
Acq On : 21 Oct 2013 23:54
Operator : CDS1
InstName : VOA3
Sample : |335204001|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 22 07:44:32 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

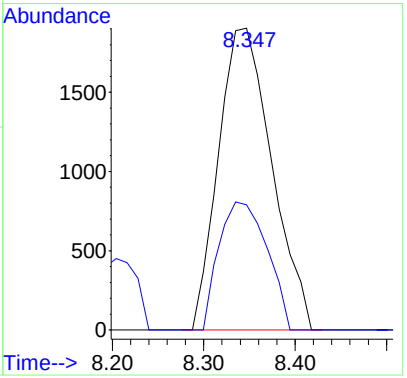




#89 BEFORE analyst DELETION
Isopropyl Alcohol
Concen: 29.65 ug/L
RT: 8.347 min Scan# 361
Delta R.T. -0.000 min
Lab File: 3G136.D
Acq: 21 Oct 2013 23:54

Tgt Ion: 45 Resp: 7702

Ion	Ratio	Lower	Upper
45	100		
43	38.3	0.0	53.0



Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 15:40**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204002**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008H5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 00:23**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 00:23**				
Data File:	**102113V3\3G137.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
123-91-1	1,4-Dioxane		123	ug/L	15.0	50.0
78-93-3	2-Butanone	U	5.00	ug/L	2.00	5.00
591-78-6	2-Hexanone	U	5.00	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.50	5.00
67-64-1	Acetone	U	5.00	ug/L	2.50	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
74-97-5	Bromochloromethane	U	1.00	ug/L	0.300	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.300	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.300	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.300	1.00
75-15-0	Carbon disulfide	U	5.00	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.300	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.300	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.300	1.00
67-66-3	Chloroform	U	1.00	ug/L	0.300	1.00
74-87-3	Chloromethane	U	1.00	ug/L	0.300	1.00
110-82-7	Cyclohexane	U	1.00	ug/L	0.300	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.300	1.00
98-82-8	Isopropylbenzene	U	1.00	ug/L	0.300	1.00
79-20-9	Methyl acetate	U	5.00	ug/L	1.50	5.00
108-87-2	Methylcyclohexane	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 15:40**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204002**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008H5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 00:23**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 00:23**				
Data File:	**102113V3\3G137.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride	U	5.00	ug/L	1.00	5.00
100-42-5	Styrene	U	1.00	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran		19.2	ug/L	1.50	5.00
108-88-3	Toluene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene	J	0.390	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/L	0.300	2.00
95-47-6	o-Xylene	U	1.00	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether		2.74	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G137.D
Acq On : 22 Oct 2013 00:23
Operator : CDS1
InstName : VOA3
Sample : |335204002|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Oct 22 07:44:35 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) Fluorobenzene	96	12.402	12.402	1.000	719122	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	316924	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	344854	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	719122	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	316924	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	344854	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	146924	53.58	ug/L	0.00
45) Toluene-d8	98	14.324	14.323	0.895	693496	48.81	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	339089	54.01	ug/L	0.00

Compound	Amount	Range	Recovery
30) 1,2-Dichloroethane-d4	50.000	78 - 124	107.16%
45) Toluene-d8	50.000	80 - 120	97.62%
63) Bromofluorobenzene	50.000	80 - 120	108.02%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		0.000	4.894	0.000	0	N.D.		
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride		0.000	5.643	0.000	0m	N.D.	d	
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane	64	6.639	6.627	0.535	398	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether	59	7.659	7.647	0.618	43856	15.09	ug/L	99
9) Acetone		0.000	8.181	0.000	0	N.D.		
10) 1,1-Dichloroethylene		0.000	8.145	0.000	0	N.D.		
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile		0.000	8.679	0.000	0	N.D.		
13) Methyl acetate		0.000	8.702	0.000	0	N.D.		
14) Carbon disulfide		0.000	8.619	0.000	0	N.D.		
15) Methylene chloride	84	8.940	8.940	0.721	9210	Below Cal		96
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	30195	2.74	ug/L	96
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		0.000	9.746	0.000	0	N.D.		
19) Vinyl acetate	43	10.031	10.019	0.809	1578	N.D.		
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	2051	N.D.		
21) 2-Butanone		0.000	10.837	0.000	0	N.D.		
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	1681	0.39	ug/L	89
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		0.000	11.679	0.000	0	N.D.		
28) 1,1-Dichloropropene		0.000	11.786	0.000	0	N.D.		
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		0.000	12.082	0.000	0	N.D.		
32) Benzene		0.000	12.082	0.000	0	N.D.		
33) Cyclohexene		0.000	12.201	0.000	0	N.D.		
34) n-Butyl alcohol		0.000	12.580	0.000	0	N.D.		
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G137.D
Acq On : 22 Oct 2013 00:23
Operator : CDS1
InstName : VOA3
Sample : |335204002|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Oct 22 07:44:35 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
36) 2-Pentanone		0.000	12.995	0.000	0	N.D.		
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		0.000	13.126	0.000	0	N.D.		
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		
40) Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41) 2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42) cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.		
44) 4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46) Toluene		0.000	14.406	0.000	0	N.D.		
47) trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.		
48) 1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49) 2-Hexanone		0.000	15.047	0.000	0	N.D.		
50) 1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.		
51) Tetrachloroethylene		0.000	15.059	0.000	0	N.D.		
52) Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53) 1,2-Dibromoethane		0.000	15.521	0.000	0	N.D.		
54) Chlorobenzene		0.000	16.043	0.000	0	N.D.		
55) 1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.		
56) Ethylbenzene		0.000	16.114	0.000	0	N.D.		
57) m,p-Xylenes		0.000	16.233	0.000	0	N.D.		
58) o-Xylene		0.000	16.695	0.000	0	N.D.		
59) Styrene		0.000	16.695	0.000	0	N.D.		
61) Bromoform		0.000	16.980	0.000	0	N.D.		
62) Isopropylbenzene		0.000	17.075	0.000	0	N.D.		
64) 1,1,2,2-Tetrachloroethane		0.000	17.383	0.000	0	N.D.		
65) 1,2,3-Trichloropropane		0.000	17.466	0.000	0	N.D.		
66) Bromobenzene		0.000	17.502	0.000	0	N.D.		
67) n-Propylbenzene		0.000	17.513	0.000	0	N.D.		
68) 1,3,5-Trimethylbenzene		0.000	17.668	0.000	0	N.D.		
69) 2-Chlorotoluene		0.000	17.668	0.000	0	N.D.		
70) 4-Chlorotoluene		0.000	17.774	0.000	0	N.D.		
71) tert-Butylbenzene		0.000	18.059	0.000	0	N.D.		
72) 1,2,4-Trimethylbenzene		0.000	18.106	0.000	0	N.D.		
73) sec-Butylbenzene		0.000	18.296	0.000	0	N.D.		
74) 4-Isopropyltoluene		0.000	18.426	0.000	0	N.D.		
75) 1,3-Dichlorobenzene		0.000	18.509	0.000	0	N.D.		
76) 1,4-Dichlorobenzene	146	18.593	18.604	1.001	386	N.D.		
77) n-Butylbenzene		0.000	18.901	0.000	0	N.D.		
78) 1,2-Dichlorobenzene		0.000	19.055	0.000	0	N.D.		
79) 1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80) 1,2,4-Trichlorobenzene		0.000	21.142	0.000	0	N.D.		
81) Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.		
82) Naphthalene	128	21.581	21.581	1.162	1346	N.D.		
83) 1,2,3-Trichlorobenzene		0.000	21.960	0.000	0	N.D.		
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		0.000	8.121	0.000	0	N.D.		
89) Isopropyl Alcohol		0.000	8.347	0.000	0m	N.D.	d	
90) Allyl chloride		0.000	8.726	0.000	0	N.D.		
91) tert-Butyl Alcohol	59	8.999	8.999	0.726	17118	37.16	ug/L	75
92) Acrylonitrile		0.000	9.331	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G137.D
Acq On : 22 Oct 2013 00:23
Operator : CDS1
InstName : VOA3
Sample : |335204002|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Oct 22 07:44:35 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
93)	Isopropyl ether	45	10.031	10.031	0.809	1718	N.D.		
94)	2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95)	Ethyl tert-butyl ether	59	10.529	10.564	0.849	2250	N.D.		
96)	Ethyl acetate	43	10.873	10.861	0.877	655	N.D.		
97)	Propionitrile		0.000	10.956	0.000	0	N.D.		
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.		
99)	Tetrahydrofuran	42	11.276	11.276	0.909	18448	19.24	ug/L	90
100)	Isobutyl alcohol		0.000	11.750	0.000	0	N.D.		
101)	Methyl tert-amyl ether		0.000	12.118	0.000	0	N.D.		
102)	Methyl methacrylate		0.000	13.161	0.000	0	N.D.		
103)	1,4-Dioxane	88	13.280	13.280	1.071	4766	123.35	ug/L	89
104)	2-Nitropropane		0.000	13.719	0.000	0	N.D.		
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.		
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.		
109)	cis-1,4-Dichloro-2-butene		0.000	17.134	0.000	0	N.D.		
110)	Cyclohexanone	55	17.288	17.252	0.931	693	N.D.		
111)	trans-1,4-Dichloro-2-b...		0.000	17.430	0.000	0	N.D.		
112)	Pentachloroethane		0.000	18.142	0.000	0	N.D.		
113)	Benzyl chloride		0.000	18.735	0.000	0	N.D.		
114)	bis(2-Chloroisopropyl)...	45	19.162	19.150	1.032	864	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

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Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G137.D
Acq On    : 22 Oct 2013  00:23
Operator  : CDS1
InstName  : VOA3
Sample    : |335204002|1340505|1|VOA|1|VOA8260BL|
Misc      : EBER 5ML PH2
ALS Vial  : 37   Sample Multiplier: 1

Quant Time: Oct 22 07:44:35 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title  : Volatile Organics 8260B                    SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE
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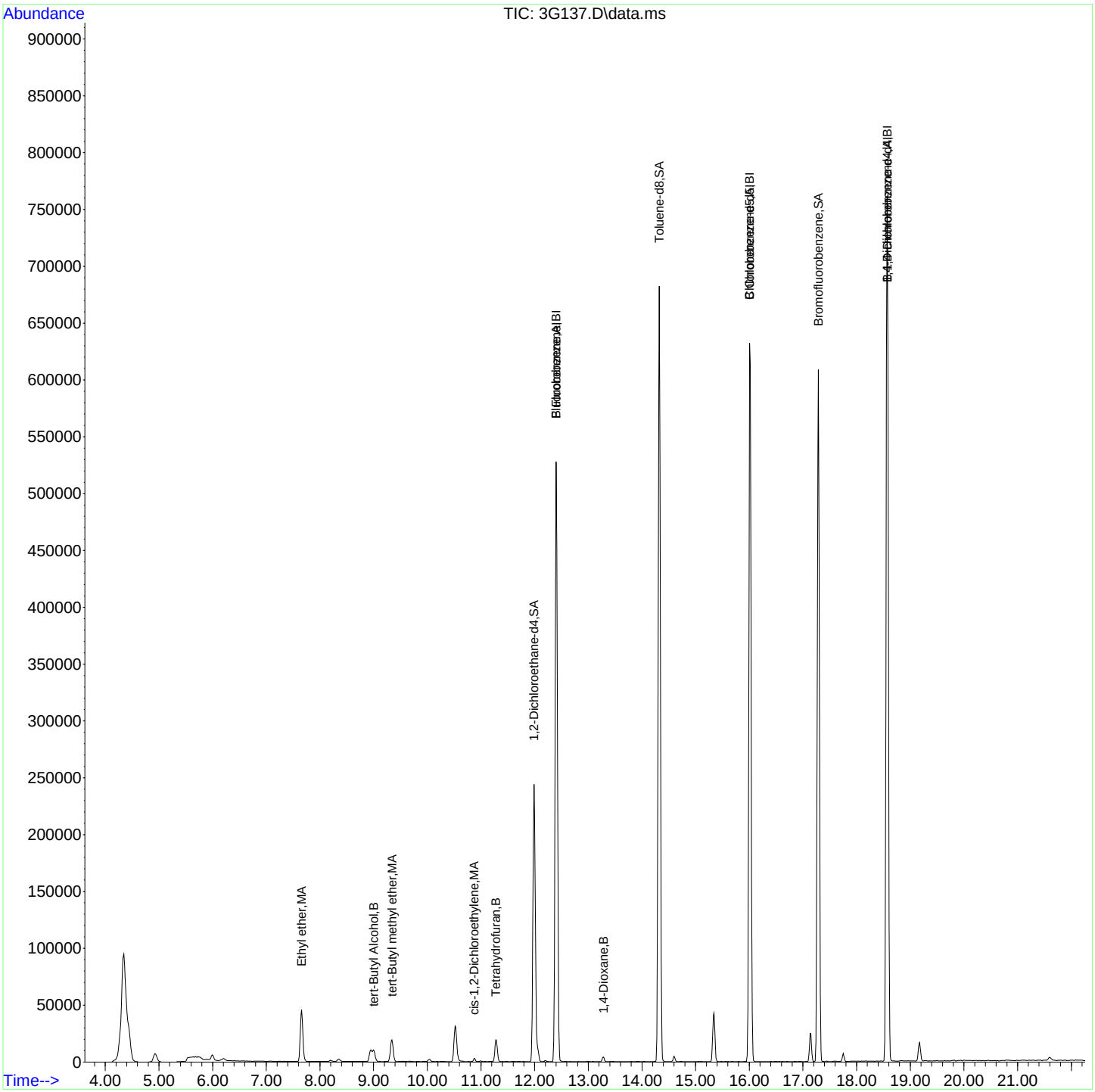
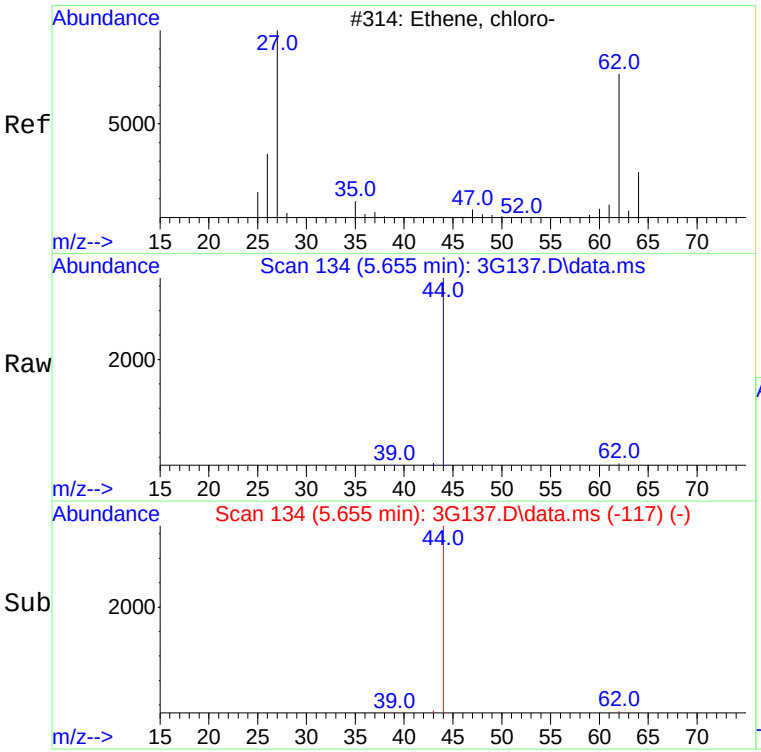
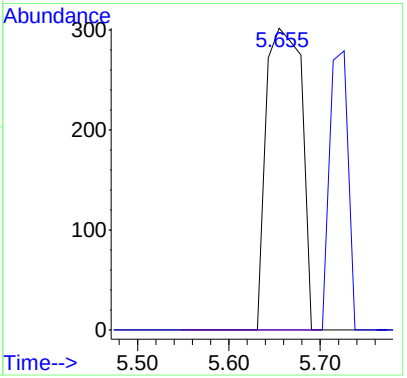


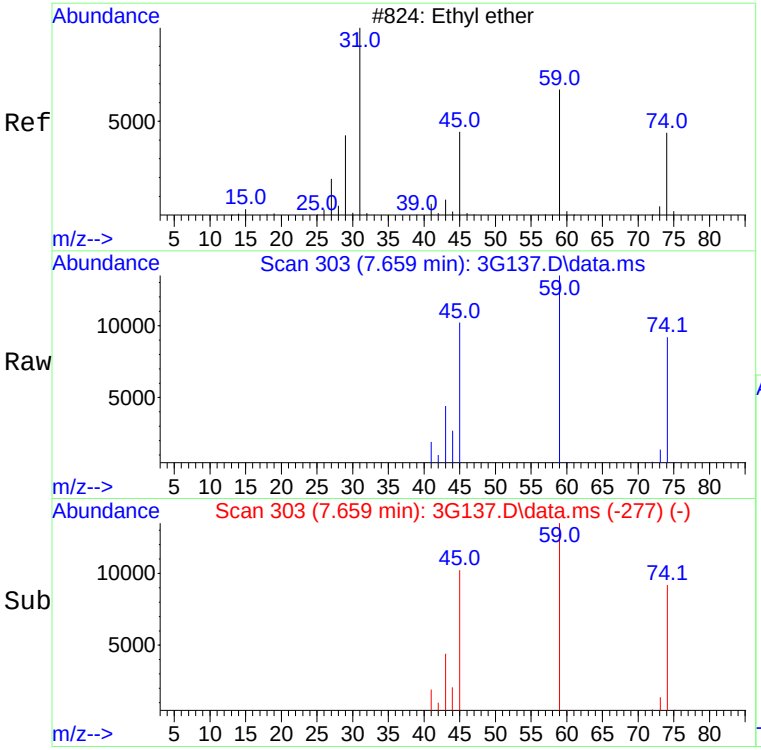


#4 BEFORE analyst DELETION
Vinyl chloride
Concen: 0.31 ug/L
RT: 5.655 min Scan# 134
Delta R.T. 0.012 min
Lab File: 3G137.D
Acq: 22 Oct 2013 00:23

Tgt Ion: 62 Resp: 1505

Ion	Ratio	Lower	Upper
62	100		
64	0.0	4.8	64.8#

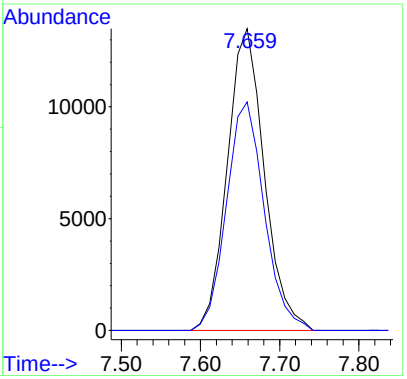


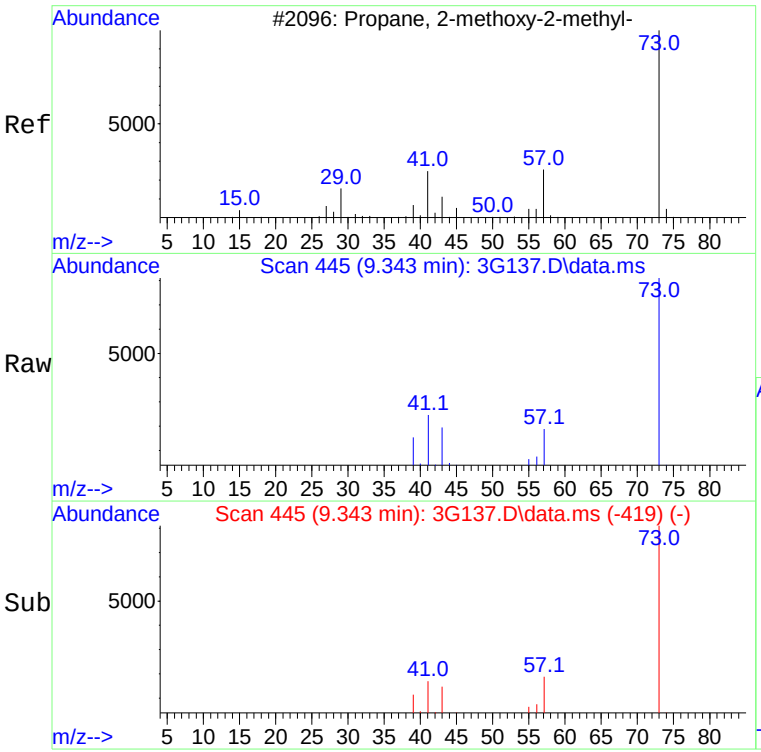


#8
Ethyl ether
Concen: 15.09 ug/L
RT: 7.659 min Scan# 303
Delta R.T. 0.012 min
Lab File: 3G137.D
Acq: 22 Oct 2013 00:23

Tgt Ion: 59 Resp: 43856

Ion	Ratio	Lower	Upper
59	100		
45	77.4	48.5	108.5

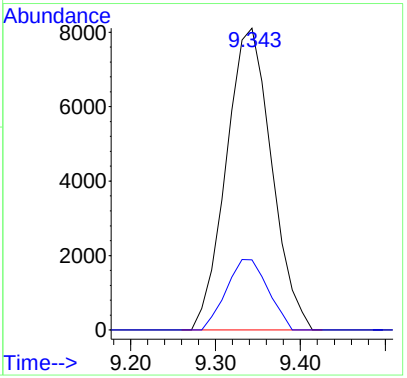


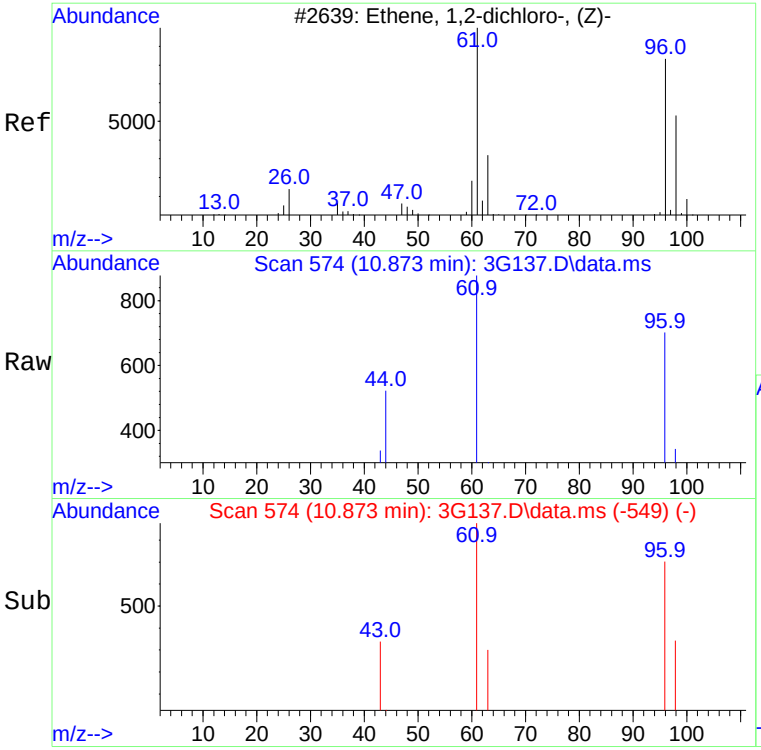


#16
tert-Butyl methyl ether
Concen: 2.74 ug/L
RT: 9.343 min Scan# 445
Delta R.T. 0.012 min
Lab File: 3G137.D
Acq: 22 Oct 2013 00:23

Tgt Ion: 73 Resp: 30195

Ion	Ratio	Lower	Upper
73	100		
57	21.5	0.0	49.8

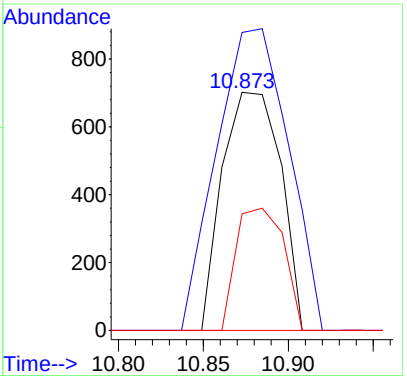


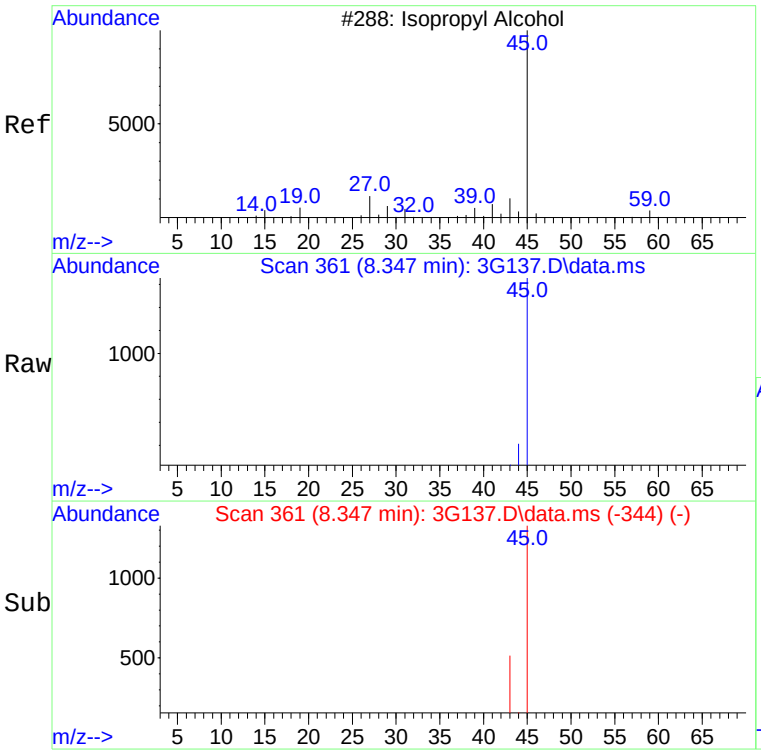


#22
cis-1,2-Dichloroethylene
Concen: 0.39 ug/L
RT: 10.873 min Scan# 574
Delta R.T. -0.000 min
Lab File: 3G137.D
Acq: 22 Oct 2013 00:23

Tgt Ion: 96 Resp: 1681

Ion	Ratio	Lower	Upper
96	100		
61	156.1	123.5	183.5
98	42.0	36.5	96.5

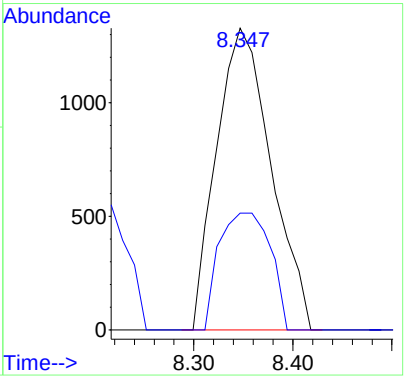


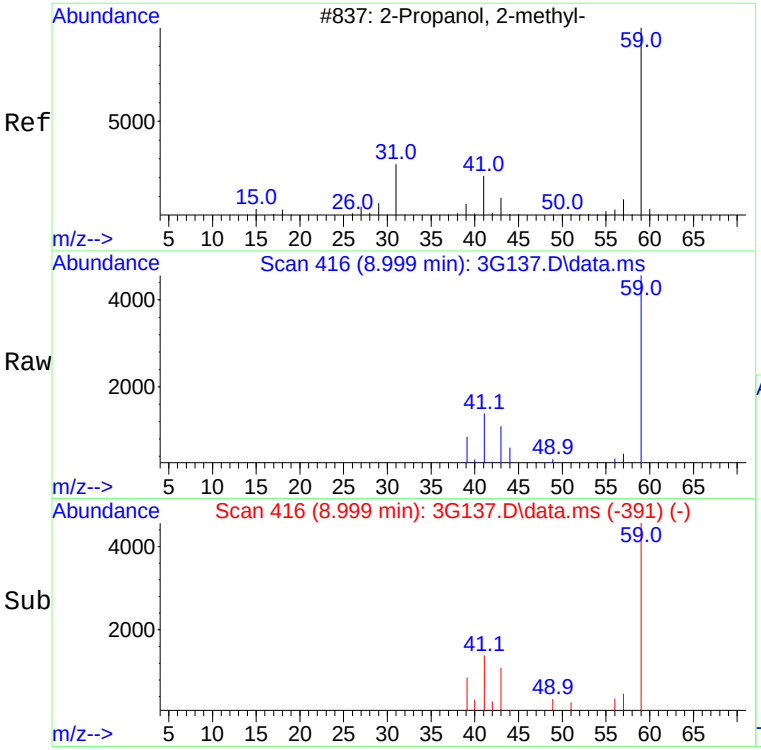


#89 BEFORE analyst DELETION
Isopropyl Alcohol
Concen: 19.62 ug/L
RT: 8.347 min Scan# 361
Delta R.T. -0.000 min
Lab File: 3G137.D
Acq: 22 Oct 2013 00:23

Tgt Ion: 45 Resp: 5087

Ion	Ratio	Lower	Upper
45	100		
43	36.4	0.0	53.0

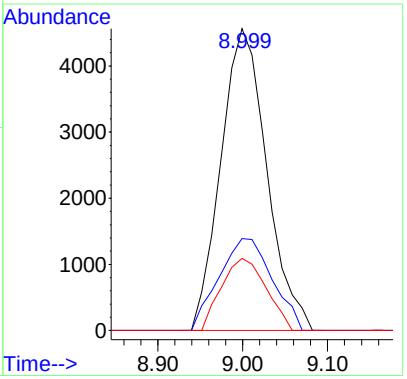


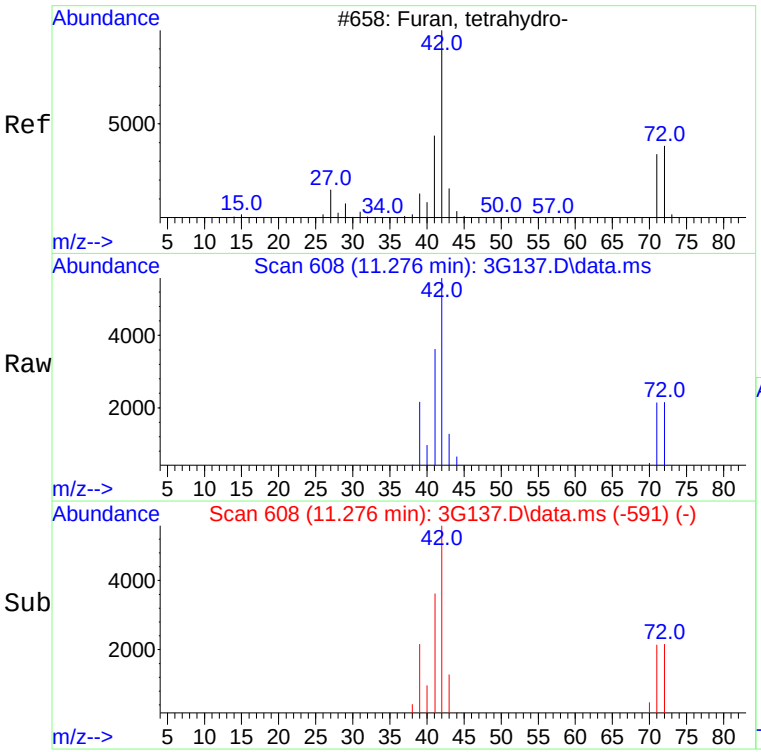


#91
tert-Butyl Alcohol
Concen: 37.16 ug/L
RT: 8.999 min Scan# 416
Delta R.T. 0.000 min
Lab File: 3G137.D
Acq: 22 Oct 2013 00:23

Tgt Ion: 59 Resp: 17118

Ion	Ratio	Lower	Upper
59	100		
41	35.4	0.0	52.0
43	23.3	0.0	44.8

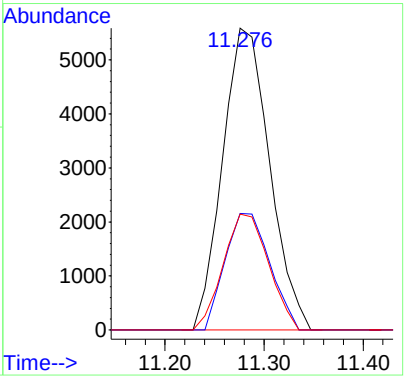


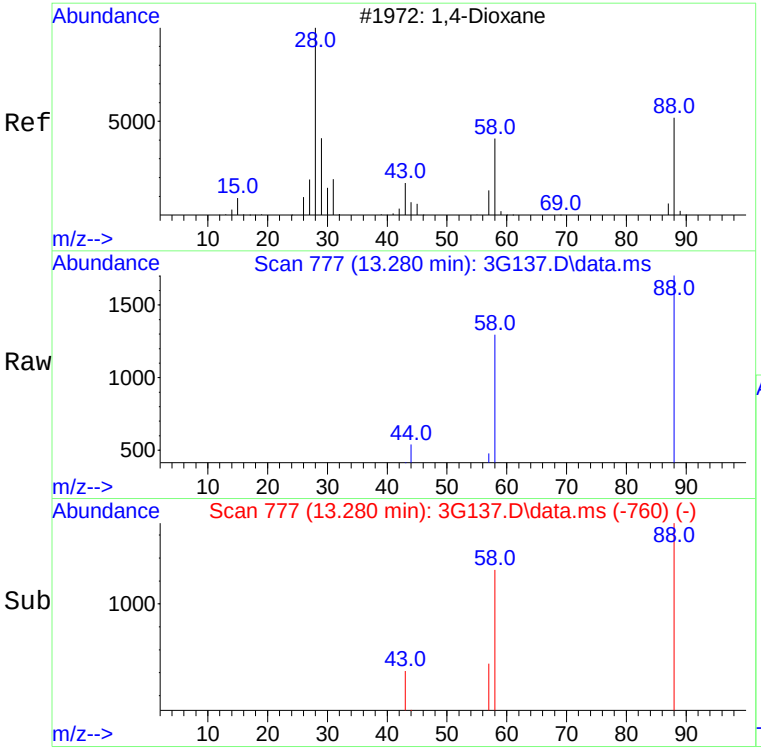


#99
Tetrahydrofuran
Concen: 19.24 ug/L
RT: 11.276 min Scan# 608
Delta R.T. -0.000 min
Lab File: 3G137.D
Acq: 22 Oct 2013 00:23

Tgt Ion: 42 Resp: 18448

Ion	Ratio	Lower	Upper
42	100		
72	36.7	14.2	74.2
71	37.0	11.7	71.7

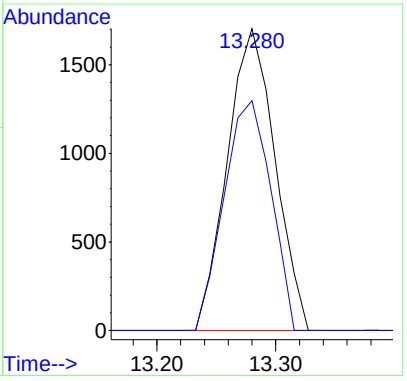




#103
1,4-Dioxane
Concen: 123.35 ug/L
RT: 13.280 min Scan# 777
Delta R.T. -0.000 min
Lab File: 3G137.D
Acq: 22 Oct 2013 00:23

Tgt Ion: 88 Resp: 4766

Ion	Ratio	Lower	Upper
88	100		
58	74.7	35.8	95.8



Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:20**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204003**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008I5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 00:52**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 00:52**				
Data File:	**102113V3\3G138.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
123-91-1	1,4-Dioxane		147	ug/L	15.0	50.0
78-93-3	2-Butanone	U	5.00	ug/L	2.00	5.00
591-78-6	2-Hexanone	U	5.00	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.50	5.00
67-64-1	Acetone	U	5.00	ug/L	2.50	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
74-97-5	Bromochloromethane	U	1.00	ug/L	0.300	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.300	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.300	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.300	1.00
75-15-0	Carbon disulfide	U	5.00	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.300	1.00
108-90-7	Chlorobenzene	J	0.340	ug/L	0.300	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.300	1.00
67-66-3	Chloroform	U	1.00	ug/L	0.300	1.00
74-87-3	Chloromethane	U	1.00	ug/L	0.300	1.00
110-82-7	Cyclohexane	U	1.00	ug/L	0.300	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.300	1.00
98-82-8	Isopropylbenzene	U	1.00	ug/L	0.300	1.00
79-20-9	Methyl acetate	U	5.00	ug/L	1.50	5.00
108-87-2	Methylcyclohexane	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:20**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204003**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008I5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 00:52**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 00:52**				
Data File:	**102113V3\3G138.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride	U	5.00	ug/L	1.00	5.00
100-42-5	Styrene	U	1.00	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran		29.3	ug/L	1.50	5.00
108-88-3	Toluene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride		1.71	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/L	0.300	2.00
95-47-6	o-Xylene	U	1.00	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether	U	1.00	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G138.D
Acq On : 22 Oct 2013 00:52
Operator : CDS1
InstName : VOA3
Sample : |335204003|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 22 07:44:38 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) Fluorobenzene	96	12.402	12.402	1.000	643387	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	297675	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	338851	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	643387	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	297675	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	338851	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	137413	56.01	ug/L	0.00
45) Toluene-d8	98	14.324	14.323	0.895	672599	50.40	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	326354	52.90	ug/L	0.00

Compound	Amount	Range	Recovery
30) 1,2-Dichloroethane-d4	50.000	78 - 124	112.02%
45) Toluene-d8	50.000	80 - 120	100.80%
63) Bromofluorobenzene	50.000	80 - 120	105.80%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		0.000	4.894	0.000	0	N.D.		
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride	62	5.667	5.643	0.457	7381	1.71	ug/L	87
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether	59	7.659	7.647	0.618	68417	26.31	ug/L	98
9) Acetone		0.000	8.181	0.000	0	N.D.		
10) 1,1-Dichloroethylene		0.000	8.145	0.000	0	N.D.		
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile		0.000	8.679	0.000	0	N.D.		
13) Methyl acetate		0.000	8.702	0.000	0	N.D.		
14) Carbon disulfide		0.000	8.619	0.000	0	N.D.		
15) Methylene chloride	84	8.940	8.940	0.721	8107	Below Cal		93
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	1585	N.D.		
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		0.000	9.746	0.000	0	N.D.		
19) Vinyl acetate	43	10.031	10.019	0.809	2220	N.D.		
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	1528	N.D.		
21) 2-Butanone		0.000	10.837	0.000	0	N.D.		
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		0.000	11.679	0.000	0	N.D.		
28) 1,1-Dichloropropene		0.000	11.786	0.000	0	N.D.		
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		0.000	12.082	0.000	0	N.D.		
32) Benzene	78	12.082	12.082	0.974	1603	N.D.		
33) Cyclohexene		0.000	12.201	0.000	0	N.D.		
34) n-Butyl alcohol		0.000	12.580	0.000	0	N.D.		
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G138.D
Acq On : 22 Oct 2013 00:52
Operator : CDS1
InstName : VOA3
Sample : |335204003|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 22 07:44:38 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
36) 2-Pentanone		0.000	12.995	0.000	0	N.D.		
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		0.000	13.126	0.000	0	N.D.		
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		
40) Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41) 2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42) cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.		
44) 4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46) Toluene		0.000	14.406	0.000	0	N.D.		
47) trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.		
48) 1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49) 2-Hexanone		0.000	15.047	0.000	0	N.D.		
50) 1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.		
51) Tetrachloroethylene		0.000	15.059	0.000	0	N.D.		
52) Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53) 1,2-Dibromoethane		0.000	15.521	0.000	0	N.D.		
54) Chlorobenzene	112	16.043	16.043	1.002	3161	0.34	ug/L #	1
55) 1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.		
56) Ethylbenzene		0.000	16.114	0.000	0	N.D.		
57) m,p-Xylenes		0.000	16.233	0.000	0	N.D.		
58) o-Xylene		0.000	16.695	0.000	0	N.D.		
59) Styrene		0.000	16.695	0.000	0	N.D.		
61) Bromoform		0.000	16.980	0.000	0	N.D.		
62) Isopropylbenzene	105	17.288	17.075	0.931	184	N.D.		
64) 1,1,2,2-Tetrachloroethane		0.000	17.383	0.000	0	N.D.		
65) 1,2,3-Trichloropropane		0.000	17.466	0.000	0	N.D.		
66) Bromobenzene		0.000	17.502	0.000	0	N.D.		
67) n-Propylbenzene		0.000	17.513	0.000	0	N.D.		
68) 1,3,5-Trimethylbenzene		0.000	17.668	0.000	0	N.D.		
69) 2-Chlorotoluene		0.000	17.668	0.000	0	N.D.		
70) 4-Chlorotoluene		0.000	17.774	0.000	0	N.D.		
71) tert-Butylbenzene		0.000	18.059	0.000	0	N.D.		
72) 1,2,4-Trimethylbenzene		0.000	18.106	0.000	0	N.D.		
73) sec-Butylbenzene		0.000	18.296	0.000	0	N.D.		
74) 4-Isopropyltoluene		0.000	18.426	0.000	0	N.D.		
75) 1,3-Dichlorobenzene		0.000	18.509	0.000	0	N.D.		
76) 1,4-Dichlorobenzene	146	18.604	18.604	1.002	429	N.D.		
77) n-Butylbenzene	91	19.031	18.901	1.025	813	N.D.		
78) 1,2-Dichlorobenzene		0.000	19.055	0.000	0	N.D.		
79) 1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80) 1,2,4-Trichlorobenzene		0.000	21.142	0.000	0	N.D.		
81) Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.		
82) Naphthalene	128	21.581	21.581	1.162	936	N.D.		
83) 1,2,3-Trichlorobenzene		0.000	21.960	0.000	0	N.D.		
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		0.000	8.121	0.000	0	N.D.		
89) Isopropyl Alcohol		0.000	8.347	0.000	0m	N.D.	d	
90) Allyl chloride		0.000	8.726	0.000	0	N.D.		
91) tert-Butyl Alcohol	59	8.999	8.999	0.726	31364	76.10	ug/L	84
92) Acrylonitrile		0.000	9.331	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G138.D
Acq On : 22 Oct 2013 00:52
Operator : CDS1
InstName : VOA3
Sample : |335204003|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 22 07:44:38 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

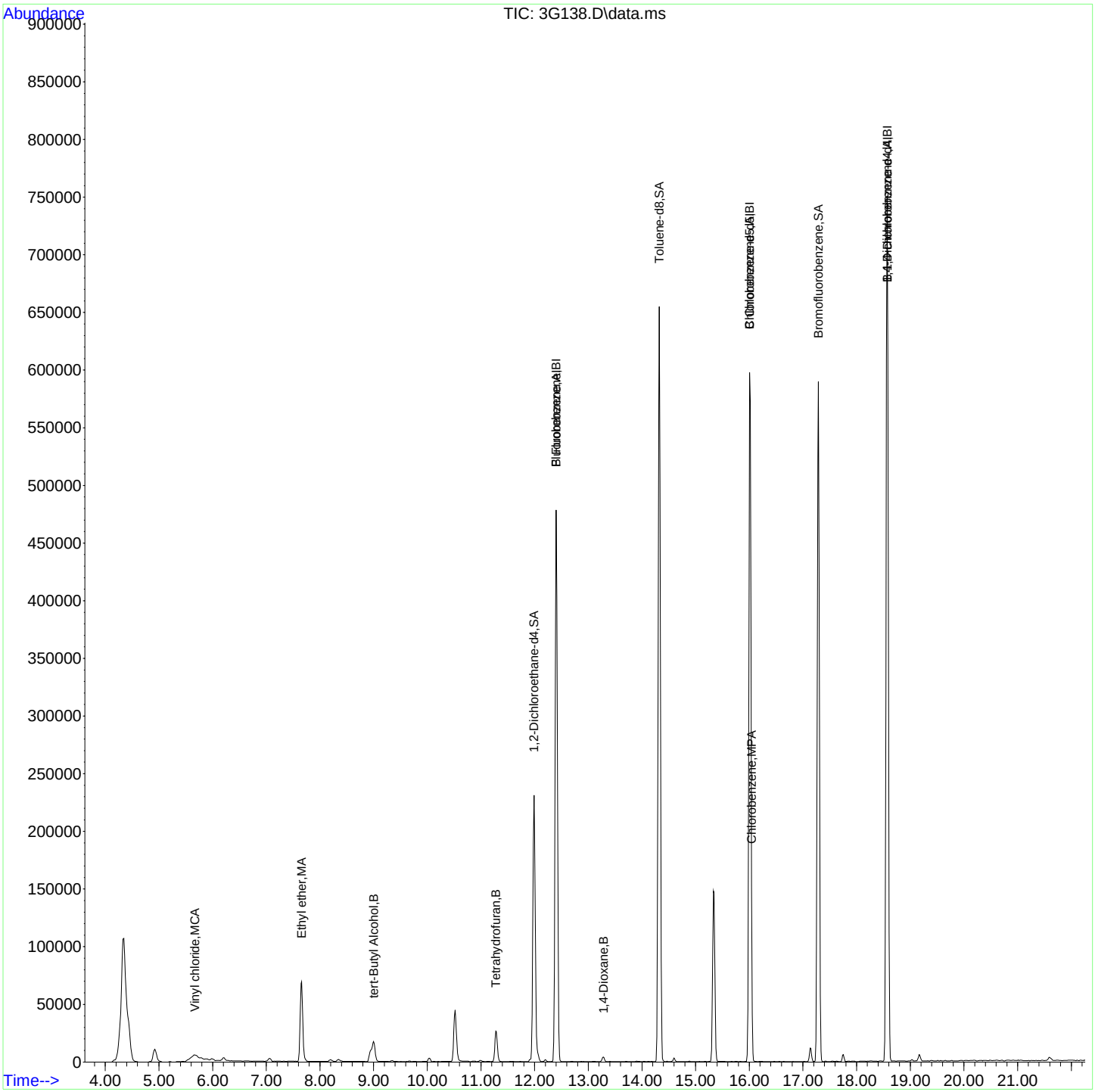
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
93)	Isopropyl ether		0.000	10.031	0.000	0m	N.D.	d	
94)	2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95)	Ethyl tert-butyl ether		0.000	10.564	0.000	0m	N.D.	d	
96)	Ethyl acetate	43	10.873	10.861	0.877	1109	N.D.		
97)	Propionitrile		0.000	10.956	0.000	0	N.D.		
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.		
99)	Tetrahydrofuran	42	11.276	11.276	0.909	25167	29.33	ug/L	94
100)	Isobutyl alcohol	43	11.916	11.750	0.961	677	N.D.		
101)	Methyl tert-amyl ether		0.000	12.118	0.000	0	N.D.		
102)	Methyl methacrylate		0.000	13.161	0.000	0	N.D.		
103)	1,4-Dioxane	88	13.280	13.280	1.071	5069	146.64	ug/L	98
104)	2-Nitropropane		0.000	13.719	0.000	0	N.D.		
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.		
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.		
109)	cis-1,4-Dichloro-2-butene		0.000	17.134	0.000	0	N.D.		
110)	Cyclohexanone	55	17.276	17.252	0.930	648	N.D.		
111)	trans-1,4-Dichloro-2-b...		0.000	17.430	0.000	0	N.D.		
112)	Pentachloroethane		0.000	18.142	0.000	0	N.D.		
113)	Benzyl chloride		0.000	18.735	0.000	0	N.D.		
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.		

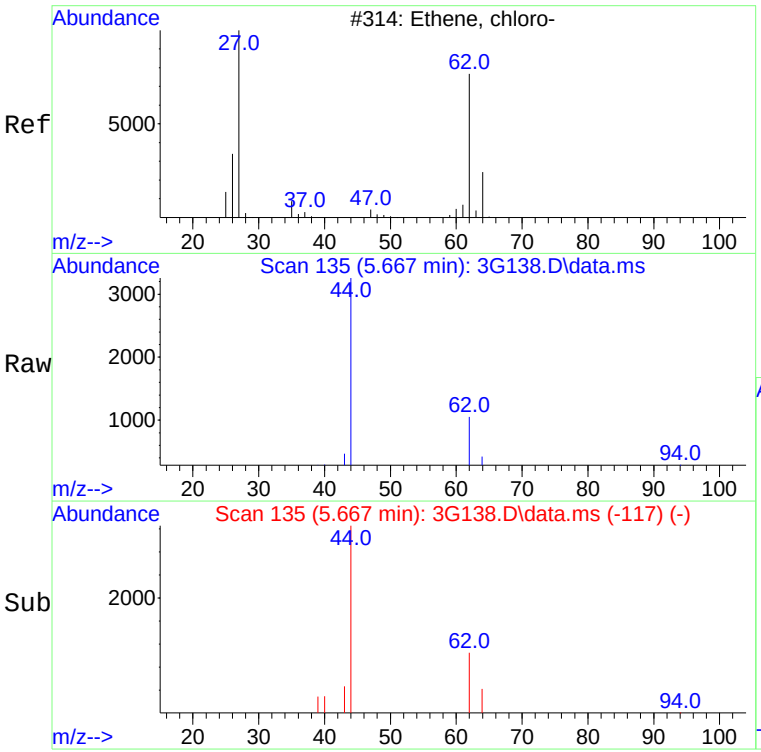
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G138.D
Acq On : 22 Oct 2013 00:52
Operator : CDS1
InstName : VOA3
Sample : |335204003|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 22 07:44:38 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

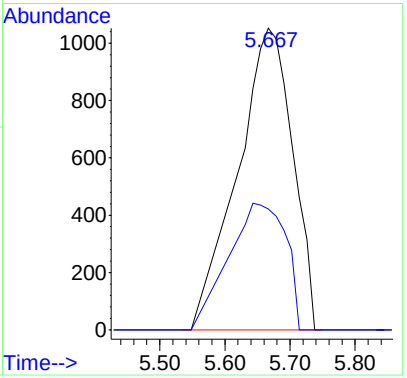


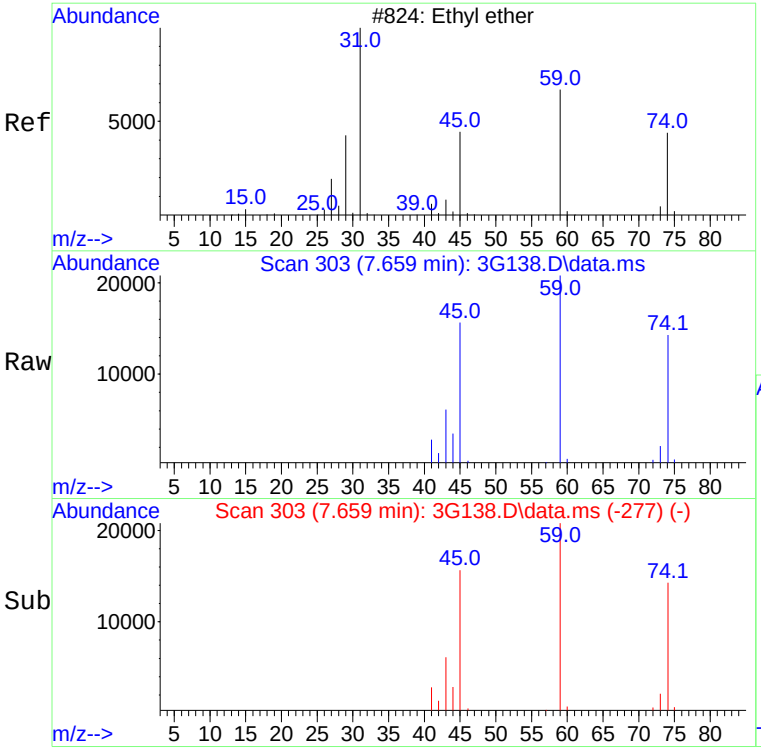


#4
Vinyl chloride
Concen: 1.71 ug/L
RT: 5.667 min Scan# 135
Delta R.T. 0.024 min
Lab File: 3G138.D
Acq: 22 Oct 2013 00:52

Tgt Ion: 62 Resp: 7381

Ion	Ratio	Lower	Upper
62	100		
64	42.1	4.8	64.8

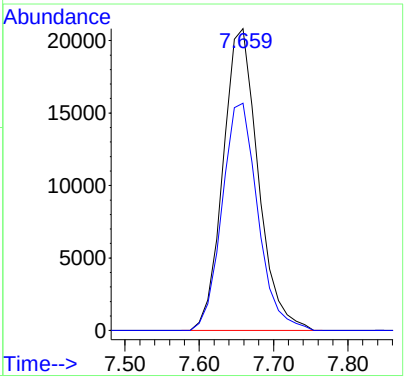


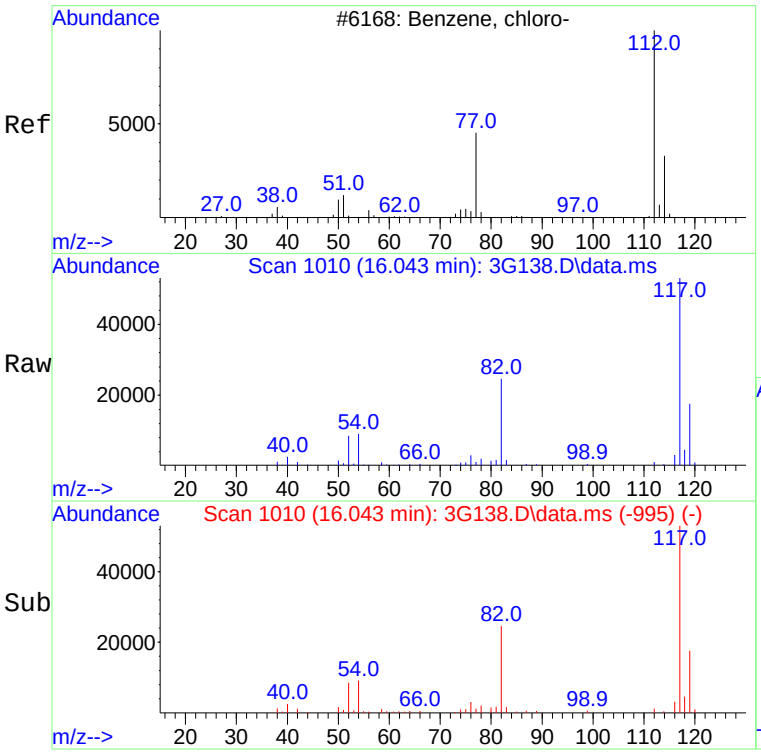


#8
Ethyl ether
Concen: 26.31 ug/L
RT: 7.659 min Scan# 303
Delta R.T. 0.012 min
Lab File: 3G138.D
Acq: 22 Oct 2013 00:52

Tgt Ion: 59 Resp: 68417

Ion	Ratio	Lower	Upper
59	100		
45	76.4	48.5	108.5

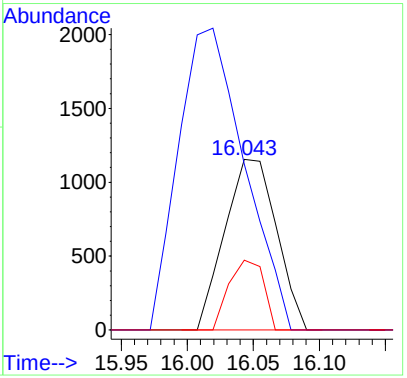


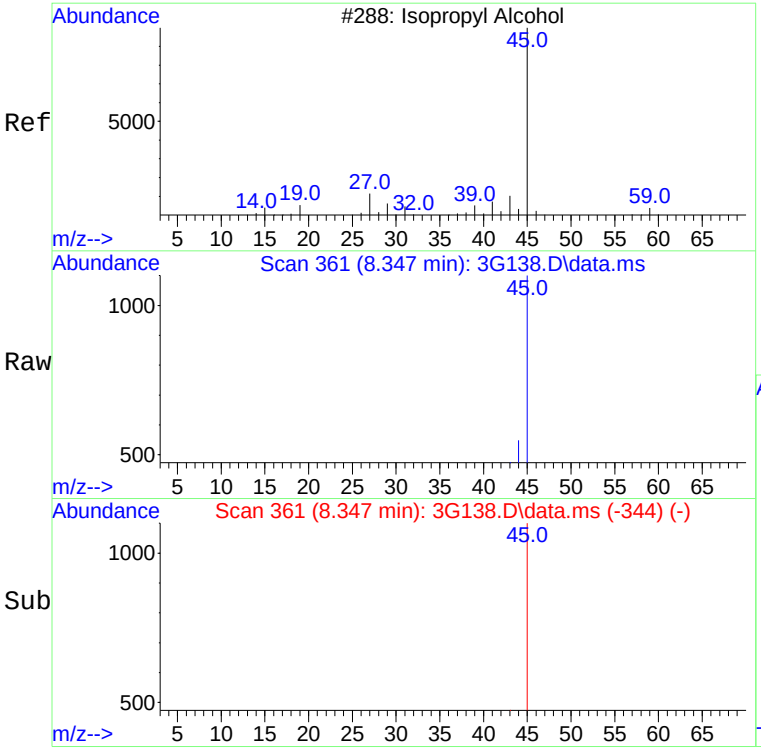


#54
Chlorobenzene
Concen: 0.34 ug/L
RT: 16.043 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 3G138.D
Acq: 22 Oct 2013 00:52

Tgt Ion:112 Resp: 3161

Ion	Ratio	Lower	Upper
112	100		
77	224.2	39.4	99.4#
114	27.3	3.0	63.0

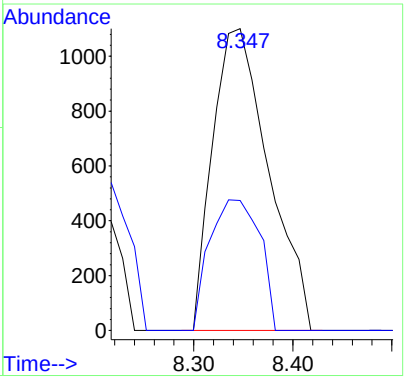


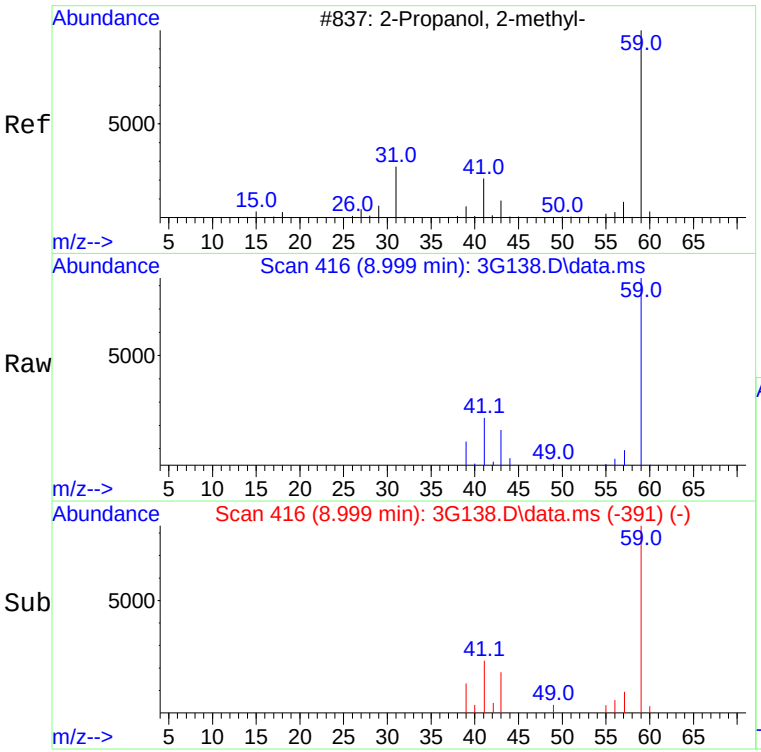


#89 BEFORE analyst DELETION
Isopropyl Alcohol
Concen: 18.71 ug/L
RT: 8.347 min Scan# 361
Delta R.T. -0.000 min
Lab File: 3G138.D
Acq: 22 Oct 2013 00:52

Tgt Ion: 45 Resp: 4339

Ion	Ratio	Lower	Upper
45	100		
43	38.7	0.0	53.0

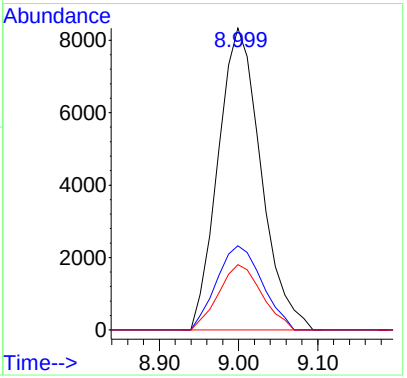


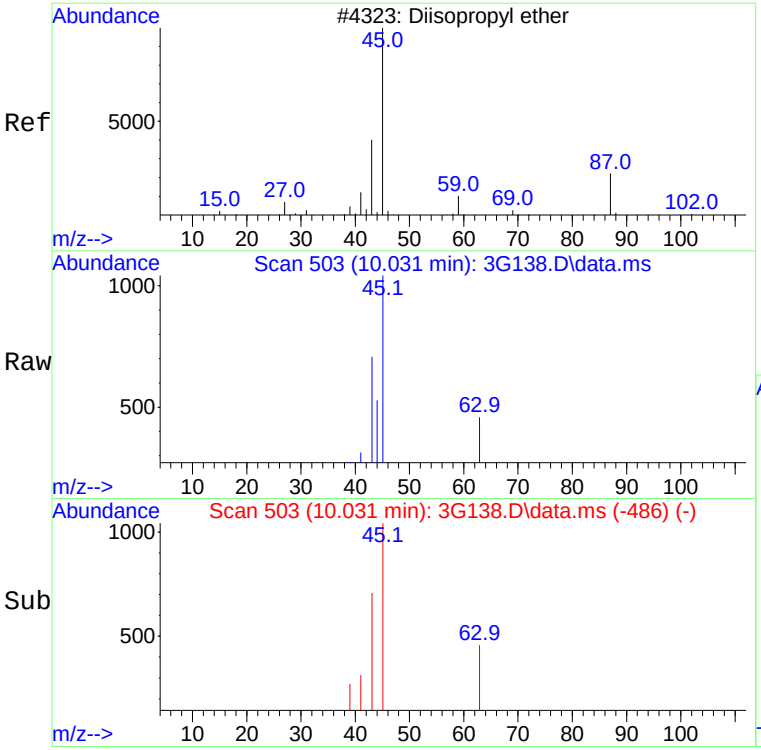


#91
tert-Butyl Alcohol
Concen: 76.10 ug/L
RT: 8.999 min Scan# 416
Delta R.T. 0.000 min
Lab File: 3G138.D
Acq: 22 Oct 2013 00:52

Tgt Ion: 59 Resp: 31364

Ion	Ratio	Lower	Upper
59	100		
41	29.6	0.0	52.0
43	21.9	0.0	44.8

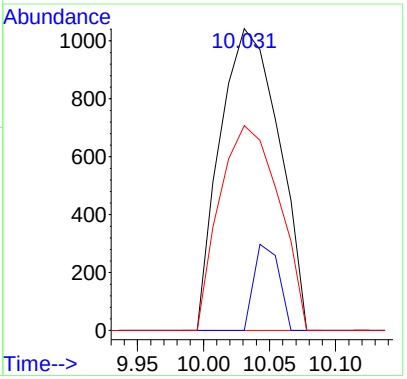


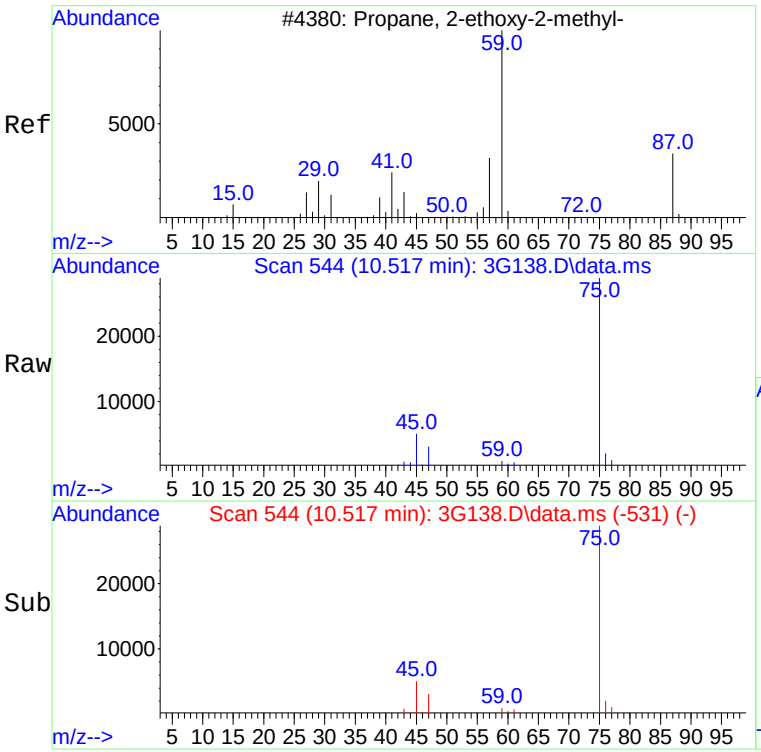


#93 BEFORE analyst DELETION
Isopropyl ether
Concen: 0.31 ug/L
RT: 10.031 min Scan# 503
Delta R.T. -0.000 min
Lab File: 3G138.D
Acq: 22 Oct 2013 00:52

Tgt Ion: 45 Resp: 3244

Ion	Ratio	Lower	Upper
45	100		
87	12.2	0.0	55.7
43	68.4	18.5	78.5

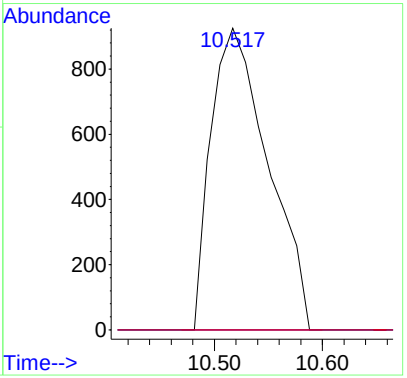


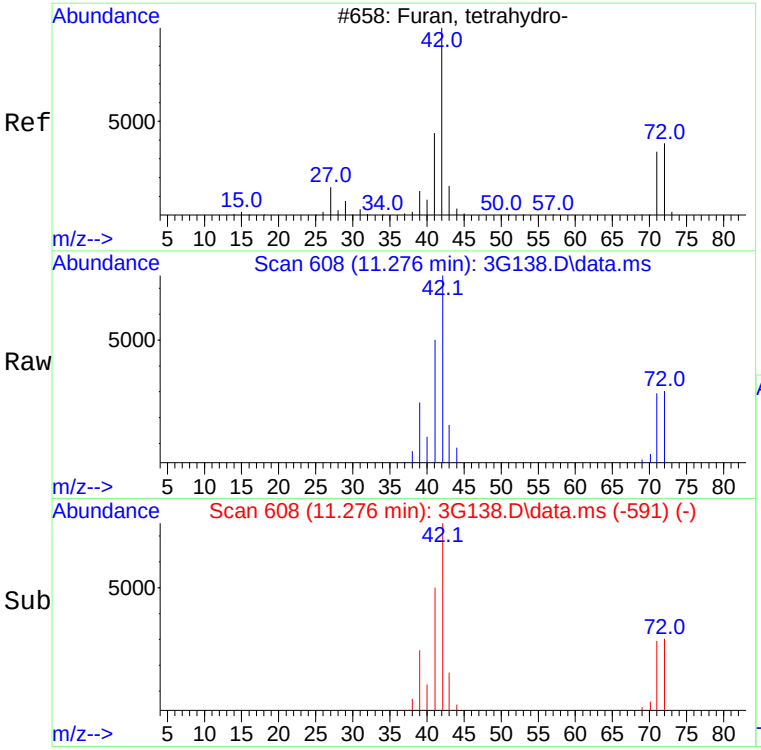


#95 BEFORE analyst DELETION
Ethyl tert-butyl ether
Concen: 0.32 ug/L
RT: 10.517 min Scan# 544
Delta R.T. -0.047 min
Lab File: 3G138.D
Acq: 22 Oct 2013 00:52

Tgt Ion: 59 Resp: 3416

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	58.9
87	0.0	12.3	72.3#

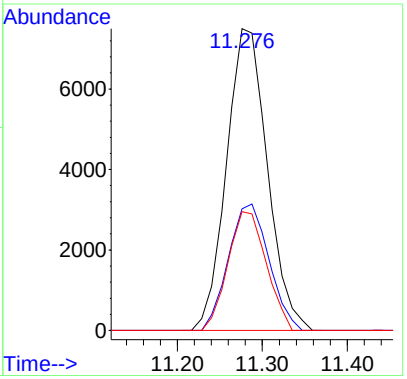


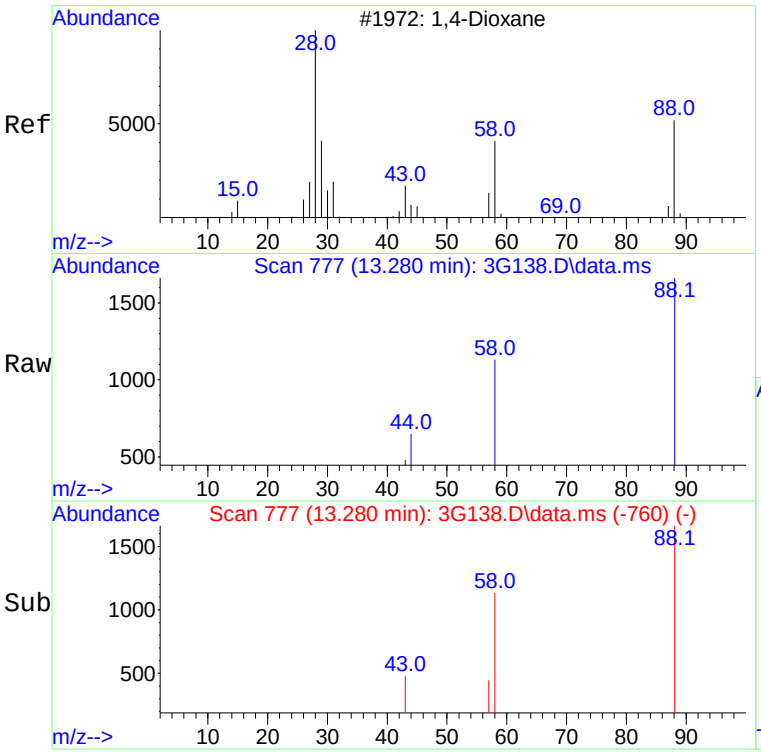


#99
Tetrahydrofuran
Concen: 29.33 ug/L
RT: 11.276 min Scan# 608
Delta R.T. -0.000 min
Lab File: 3G138.D
Acq: 22 Oct 2013 00:52

Tgt Ion: 42 Resp: 25167

Ion	Ratio	Lower	Upper
42	100		
72	41.5	14.2	74.2
71	36.8	11.7	71.7

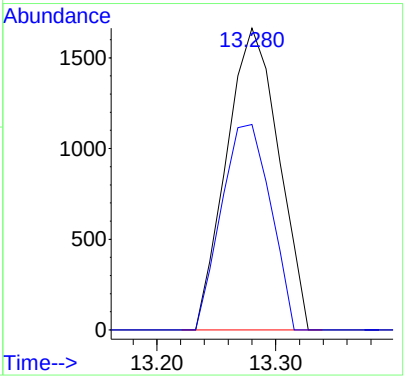




#103
1,4-Dioxane
Concen: 146.64 ug/L
RT: 13.280 min Scan# 777
Delta R.T. -0.000 min
Lab File: 3G138.D
Acq: 22 Oct 2013 00:52

Tgt Ion: 88 Resp: 5069

Ion	Ratio	Lower	Upper
88	100		
58	64.3	35.8	95.8



Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:50**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204004**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008J5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 01:20**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 01:20**				
Data File:	**102113V3\3G139.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane		4.01	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
123-91-1	1,4-Dioxane		109	ug/L	15.0	50.0
78-93-3	2-Butanone	U	5.00	ug/L	2.00	5.00
591-78-6	2-Hexanone	U	5.00	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.50	5.00
67-64-1	Acetone	U	5.00	ug/L	2.50	5.00
71-43-2	Benzene		2.51	ug/L	0.300	1.00
74-97-5	Bromochloromethane	U	1.00	ug/L	0.300	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.300	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.300	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.300	1.00
75-15-0	Carbon disulfide	U	5.00	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.300	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.300	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.300	1.00
67-66-3	Chloroform	U	1.00	ug/L	0.300	1.00
74-87-3	Chloromethane	U	1.00	ug/L	0.300	1.00
110-82-7	Cyclohexane	U	1.00	ug/L	0.300	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.300	1.00
98-82-8	Isopropylbenzene	U	1.00	ug/L	0.300	1.00
79-20-9	Methyl acetate	U	5.00	ug/L	1.50	5.00
108-87-2	Methylcyclohexane	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 14:50**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204004**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008J5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 01:20**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 01:20**				
Data File:	**102113V3\3G139.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride	U	5.00	ug/L	1.00	5.00
100-42-5	Styrene	U	1.00	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran		26.9	ug/L	1.50	5.00
108-88-3	Toluene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride		39.4	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene		47.4	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/L	0.300	2.00
95-47-6	o-Xylene	U	1.00	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether	U	1.00	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G139.D
Acq On : 22 Oct 2013 01:20
Operator : CDS1
InstName : VOA3
Sample : |335204004|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 22 07:44:41 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) Fluorobenzene	96	12.402	12.402	1.000	651262	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	279356	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	306052	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	651262	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	279356	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	306052	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	143886	57.94	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	680671	54.35	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	315181	56.56	ug/L	0.00

Compound	Amount	Range	Recovery
30) 1,2-Dichloroethane-d4	50.000	78 - 124	115.88%
45) Toluene-d8	50.000	80 - 120	108.70%
63) Bromofluorobenzene	50.000	80 - 120	113.12%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.924	4.894	0.397	1121	N.D.		
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride	62	5.667	5.643	0.457	171950	39.43	ug/L	97
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether	59	7.659	7.647	0.618	42960	16.32	ug/L	100
9) Acetone		0.000	8.181	0.000	0	N.D.		
10) 1,1-Dichloroethylene		0.000	8.145	0.000	0	N.D.		
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile		0.000	8.679	0.000	0	N.D.		
13) Methyl acetate		0.000	8.702	0.000	0	N.D.		
14) Carbon disulfide		0.000	8.619	0.000	0	N.D.		
15) Methylene chloride	84	8.940	8.940	0.721	7938	Below Cal		97
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	2095	N.D.		
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	603	N.D.		
18) Hexane		0.000	9.746	0.000	0	N.D.		
19) Vinyl acetate	43	10.031	10.019	0.809	1876	N.D.		
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	26145	4.01	ug/L	98
21) 2-Butanone		0.000	10.837	0.000	0m	N.D. d		
22) cis-1,2-Dichloroethylene	96	10.884	10.873	0.878	185108	47.37	ug/L	89
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		0.000	11.679	0.000	0	N.D.		
28) 1,1-Dichloropropene		0.000	11.786	0.000	0	N.D.		
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		0.000	12.082	0.000	0	N.D.		
32) Benzene	78	12.082	12.082	0.974	28763	2.51	ug/L	97
33) Cyclohexene		0.000	12.201	0.000	0	N.D.		
34) n-Butyl alcohol		0.000	12.580	0.000	0	N.D.		
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G139.D
Acq On : 22 Oct 2013 01:20
Operator : CDS1
InstName : VOA3
Sample : |335204004|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 22 07:44:41 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
36)	2-Pentanone		0.000	12.995	0.000	0	N.D.		
37)	1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38)	Methylcyclohexane		0.000	13.126	0.000	0	N.D.		
39)	Dibromomethane		0.000	13.315	0.000	0	N.D.		
40)	Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41)	2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42)	cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.		
44)	4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46)	Toluene		0.000	14.406	0.000	0	N.D.		
47)	trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.		
48)	1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49)	2-Hexanone		0.000	15.047	0.000	0	N.D.		
50)	1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.		
51)	Tetrachloroethylene		0.000	15.059	0.000	0	N.D.		
52)	Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53)	1,2-Dibromoethane		0.000	15.521	0.000	0	N.D.		
54)	Chlorobenzene		0.000	16.043	0.000	0	N.D.		
55)	1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.		
56)	Ethylbenzene		0.000	16.114	0.000	0	N.D.		
57)	m,p-Xylenes		0.000	16.233	0.000	0	N.D.		
58)	o-Xylene		0.000	16.695	0.000	0	N.D.		
59)	Styrene		0.000	16.695	0.000	0	N.D.		
61)	Bromoform		0.000	16.980	0.000	0	N.D.		
62)	Isopropylbenzene	105	17.288	17.075	0.931	179	N.D.		
64)	1,1,2,2-Tetrachloroethane		0.000	17.383	0.000	0	N.D.		
65)	1,2,3-Trichloropropane		0.000	17.466	0.000	0	N.D.		
66)	Bromobenzene		0.000	17.502	0.000	0	N.D.		
67)	n-Propylbenzene		0.000	17.513	0.000	0	N.D.		
68)	1,3,5-Trimethylbenzene		0.000	17.668	0.000	0	N.D.		
69)	2-Chlorotoluene		0.000	17.668	0.000	0	N.D.		
70)	4-Chlorotoluene		0.000	17.774	0.000	0	N.D.		
71)	tert-Butylbenzene		0.000	18.059	0.000	0	N.D.		
72)	1,2,4-Trimethylbenzene		0.000	18.106	0.000	0	N.D.		
73)	sec-Butylbenzene		0.000	18.296	0.000	0	N.D.		
74)	4-Isopropyltoluene		0.000	18.426	0.000	0	N.D.		
75)	1,3-Dichlorobenzene		0.000	18.509	0.000	0	N.D.		
76)	1,4-Dichlorobenzene	146	18.604	18.604	1.002	486	N.D.		
77)	n-Butylbenzene		0.000	18.901	0.000	0	N.D.		
78)	1,2-Dichlorobenzene		0.000	19.055	0.000	0	N.D.		
79)	1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80)	1,2,4-Trichlorobenzene		0.000	21.142	0.000	0	N.D.		
81)	Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.		
82)	Naphthalene	128	21.581	21.581	1.162	1127	N.D.		
83)	1,2,3-Trichlorobenzene		0.000	21.960	0.000	0	N.D.		
85)	Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86)	2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87)	Acrolein		0.000	7.932	0.000	0	N.D.		
88)	Trichlorotrifluoroethane		0.000	8.121	0.000	0	N.D.		
89)	Isopropyl Alcohol		0.000	8.347	0.000	0m	N.D.	d	
90)	Allyl chloride		0.000	8.726	0.000	0	N.D.		
91)	tert-Butyl Alcohol	59	8.999	8.999	0.726	34313	82.25	ug/L	80
92)	Acrylonitrile		0.000	9.331	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G139.D
Acq On : 22 Oct 2013 01:20
Operator : CDS1
InstName : VOA3
Sample : |335204004|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 22 07:44:41 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

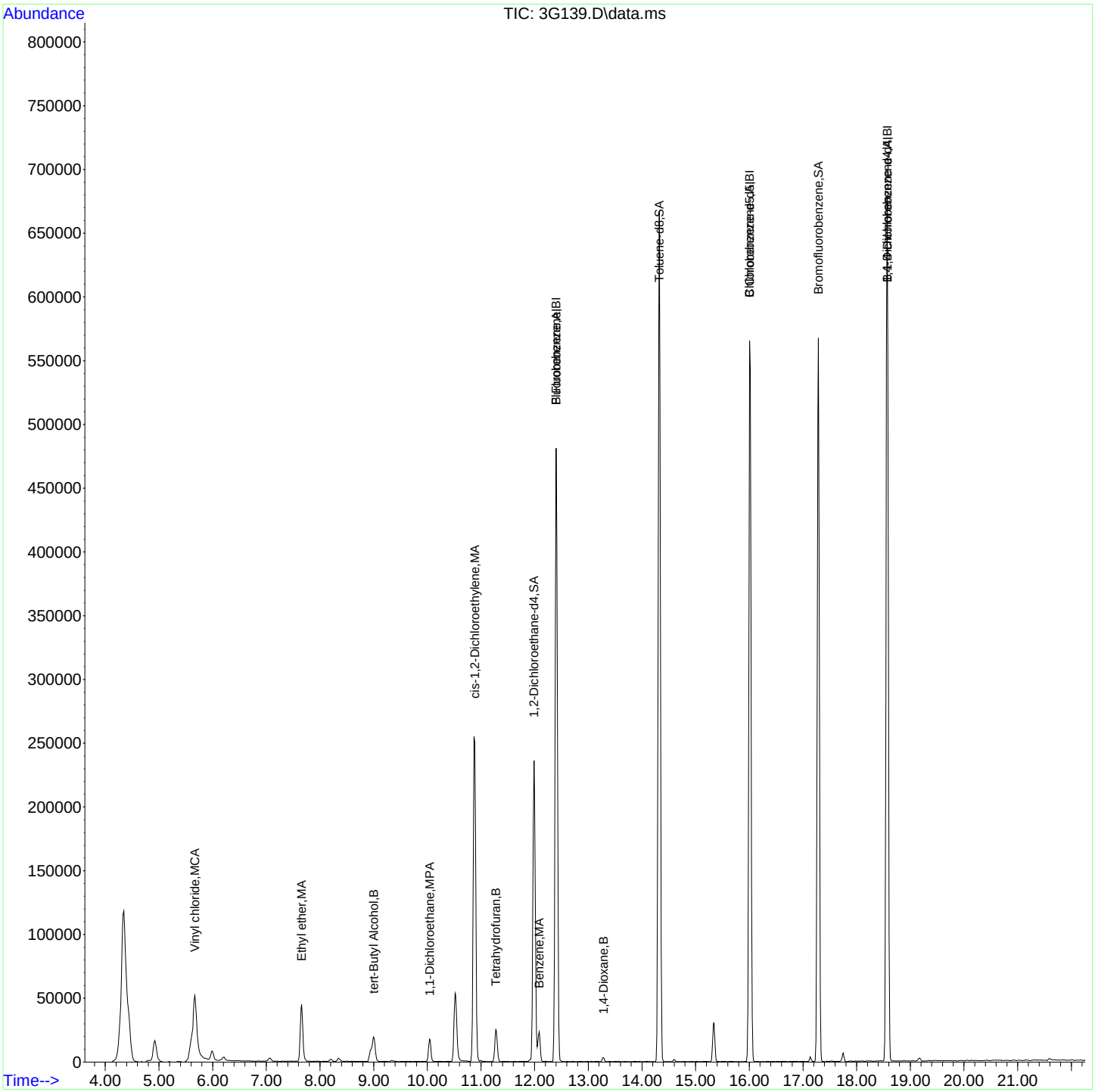
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
93)	Isopropyl ether	45	10.043	10.031	0.810	2715	N.D.		
94)	2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95)	Ethyl tert-butyl ether		0.000	10.564	0.000	0m	N.D.	d	
96)	Ethyl acetate	43	10.873	10.861	0.877	1959	N.D.		
97)	Propionitrile		0.000	10.956	0.000	0	N.D.		
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.		
99)	Tetrahydrofuran	42	11.276	11.276	0.909	23395	26.94	ug/L	94
100)	Isobutyl alcohol	43	11.916	11.750	0.961	195	N.D.		
101)	Methyl tert-amyl ether		0.000	12.118	0.000	0	N.D.		
102)	Methyl methacrylate		0.000	13.161	0.000	0	N.D.		
103)	1,4-Dioxane	88	13.280	13.280	1.071	3802	108.66	ug/L	96
104)	2-Nitropropane		0.000	13.719	0.000	0	N.D.		
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.		
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.		
109)	cis-1,4-Dichloro-2-butene		0.000	17.134	0.000	0	N.D.		
110)	Cyclohexanone	55	17.276	17.252	0.930	442	N.D.		
111)	trans-1,4-Dichloro-2-b...		0.000	17.430	0.000	0	N.D.		
112)	Pentachloroethane		0.000	18.142	0.000	0	N.D.		
113)	Benzyl chloride		0.000	18.735	0.000	0	N.D.		
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.		

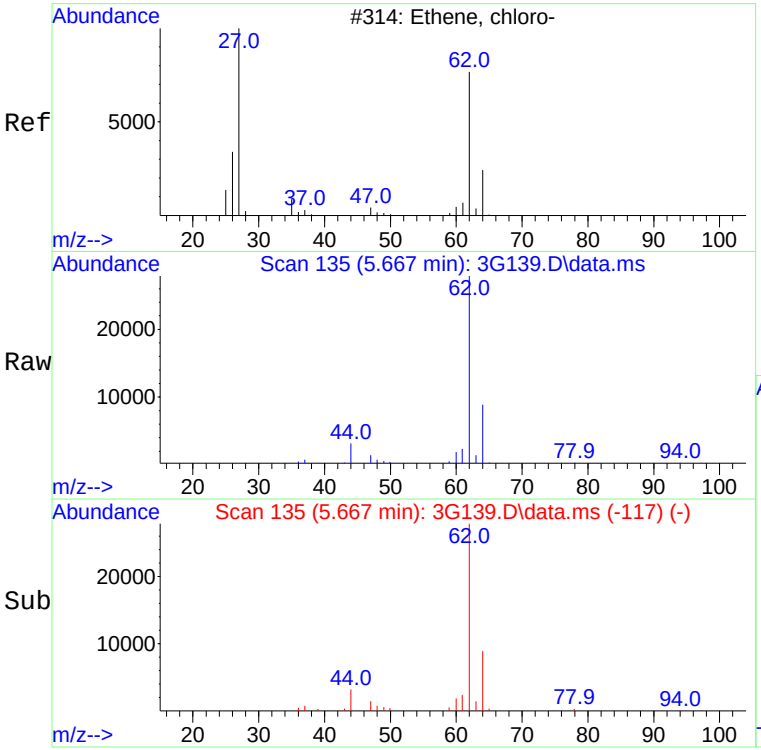
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G139.D
Acq On : 22 Oct 2013 01:20
Operator : CDS1
InstName : VOA3
Sample : |335204004|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 22 07:44:41 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

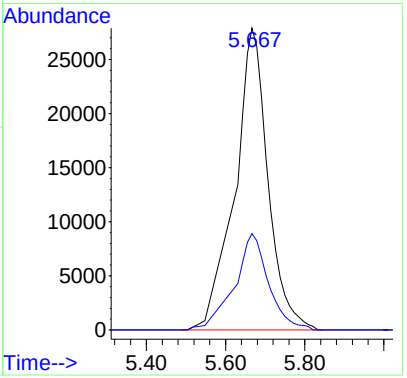


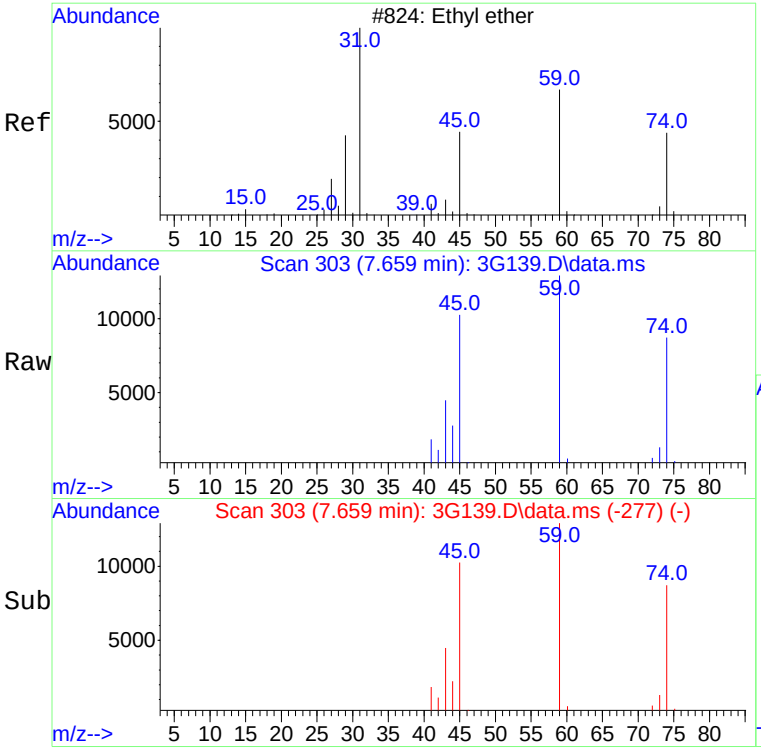


#4
Vinyl chloride
Concen: 39.43 ug/L
RT: 5.667 min Scan# 135
Delta R.T. 0.024 min
Lab File: 3G139.D
Acq: 22 Oct 2013 01:20

Tgt Ion: 62 Resp: 171950

Ion	Ratio	Lower	Upper
62	100		
64	33.1	4.8	64.8

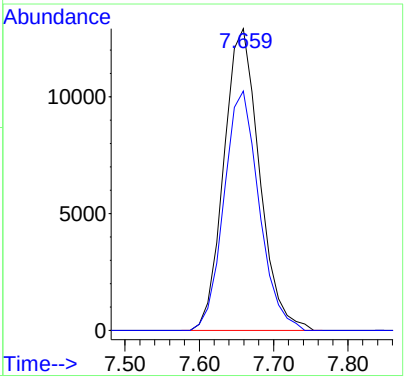


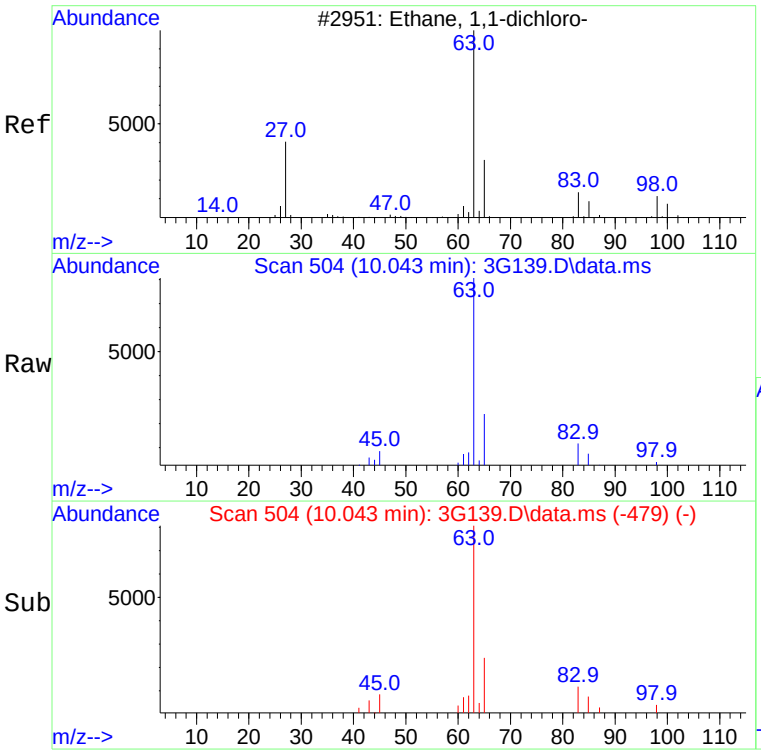


#8
Ethyl ether
Concen: 16.32 ug/L
RT: 7.659 min Scan# 303
Delta R.T. 0.012 min
Lab File: 3G139.D
Acq: 22 Oct 2013 01:20

Tgt Ion: 59 Resp: 42960

Ion	Ratio	Lower	Upper
59	100		
45	78.1	48.5	108.5

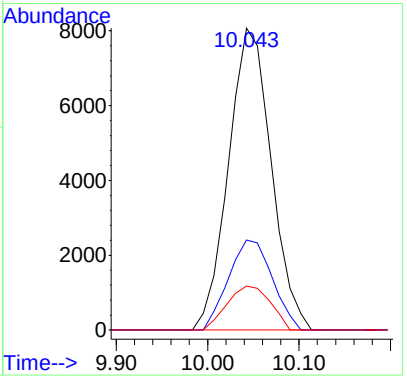


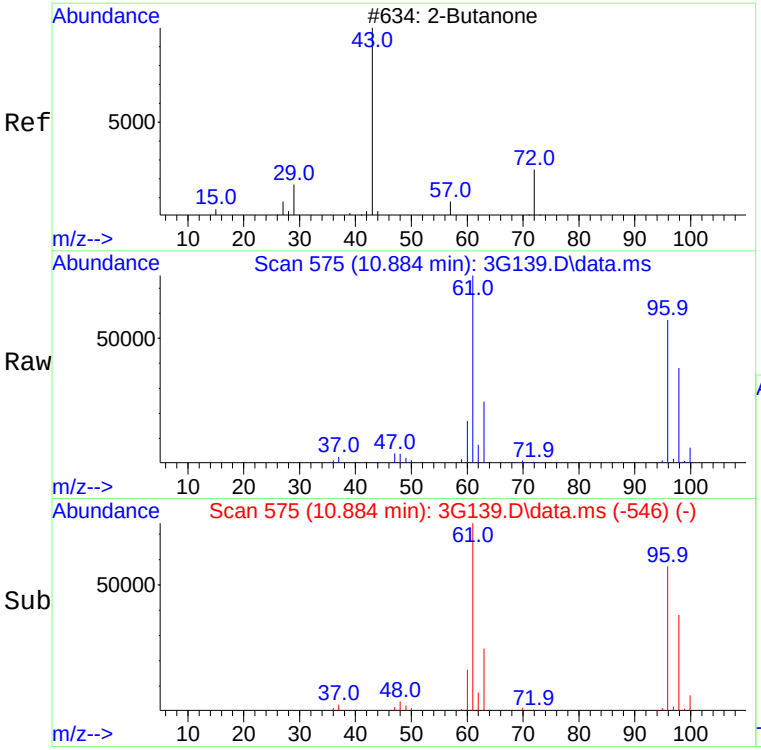


#20
1,1-Dichloroethane
Concen: 4.01 ug/L
RT: 10.043 min Scan# 504
Delta R.T. -0.000 min
Lab File: 3G139.D
Acq: 22 Oct 2013 01:20

Tgt Ion: 63 Resp: 26145

Ion	Ratio	Lower	Upper
63	100		
65	30.5	1.9	61.9
83	14.7	0.0	44.6

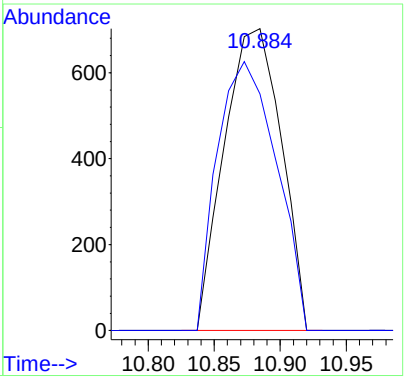


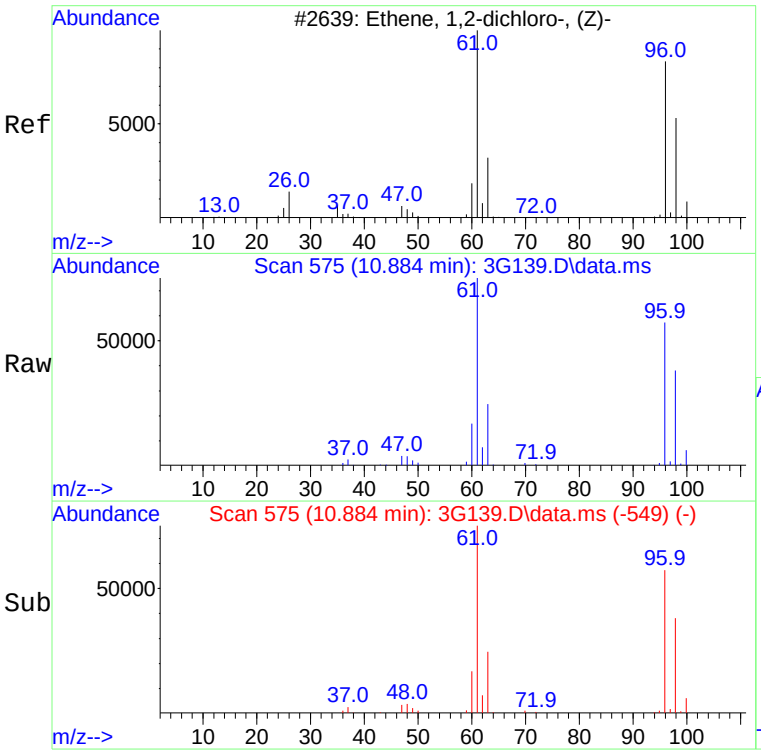


#21 BEFORE analyst DELETION
2-Butanone
Concen: 4.67 ug/L
RT: 10.884 min Scan# 575
Delta R.T. 0.047 min
Lab File: 3G139.D
Acq: 22 Oct 2013 01:20

Tgt Ion: 72 Resp: 2122

Ion	Ratio	Lower	Upper
72	100		
43	92.3	391.9	451.9#

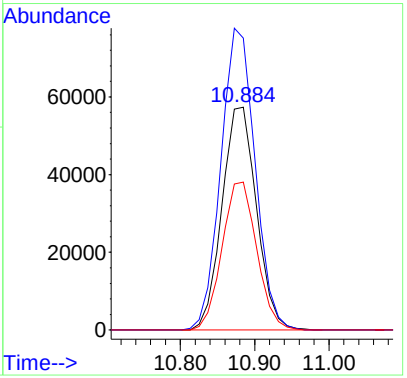


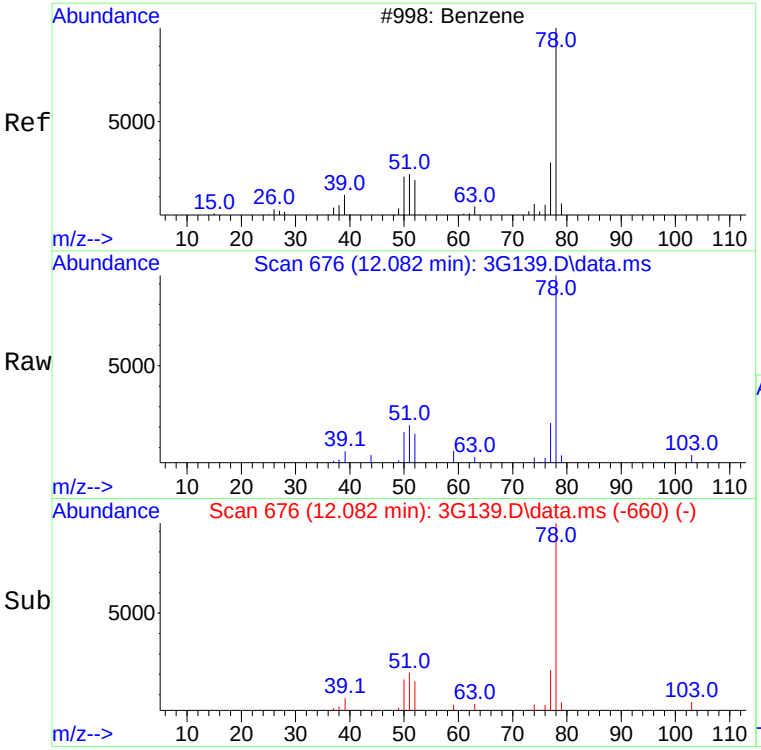


#22
cis-1,2-Dichloroethylene
Concen: 47.37 ug/L
RT: 10.884 min Scan# 575
Delta R.T. 0.011 min
Lab File: 3G139.D
Acq: 22 Oct 2013 01:20

Tgt Ion: 96 Resp: 185108

Ion	Ratio	Lower	Upper
96	100		
61	134.1	123.5	183.5
98	66.5	36.5	96.5

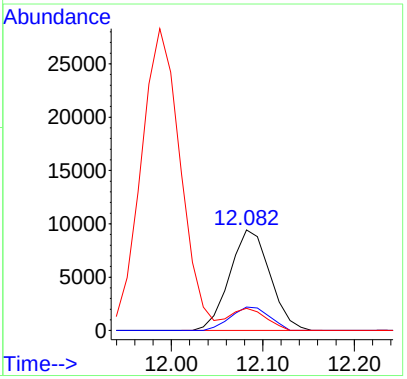


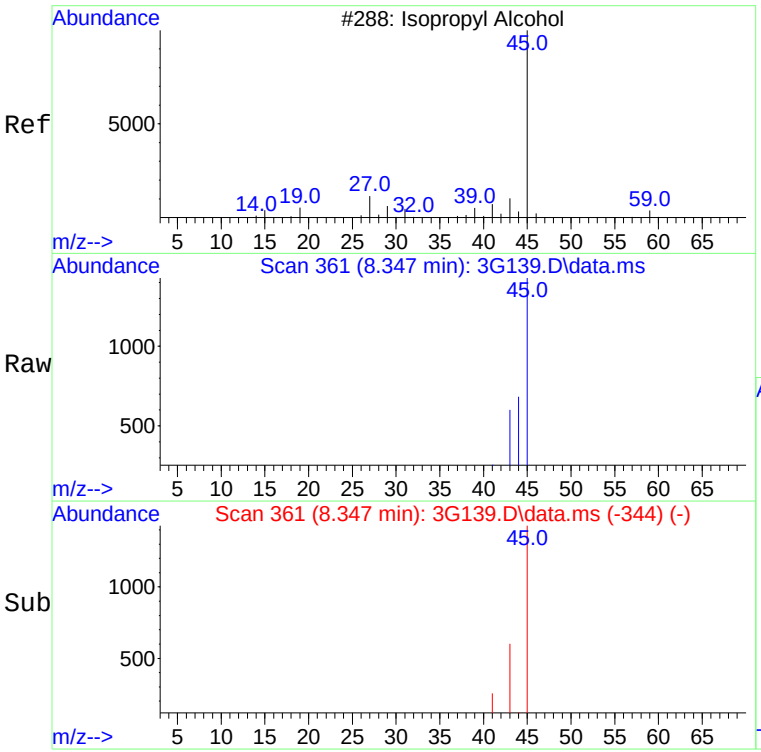


#32
Benzene
Concen: 2.51 ug/L
RT: 12.082 min Scan# 676
Delta R.T. 0.000 min
Lab File: 3G139.D
Acq: 22 Oct 2013 01:20

Tgt Ion: 78 Resp: 28763

Ion	Ratio	Lower	Upper
78	100		
77	22.5	0.0	53.0
51	17.5	0.0	50.1

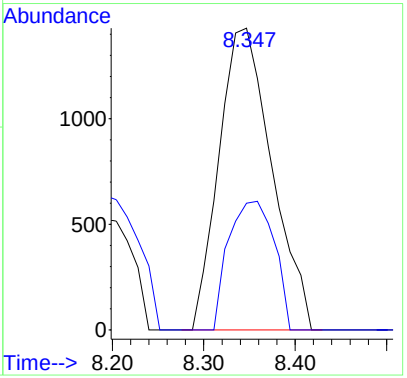


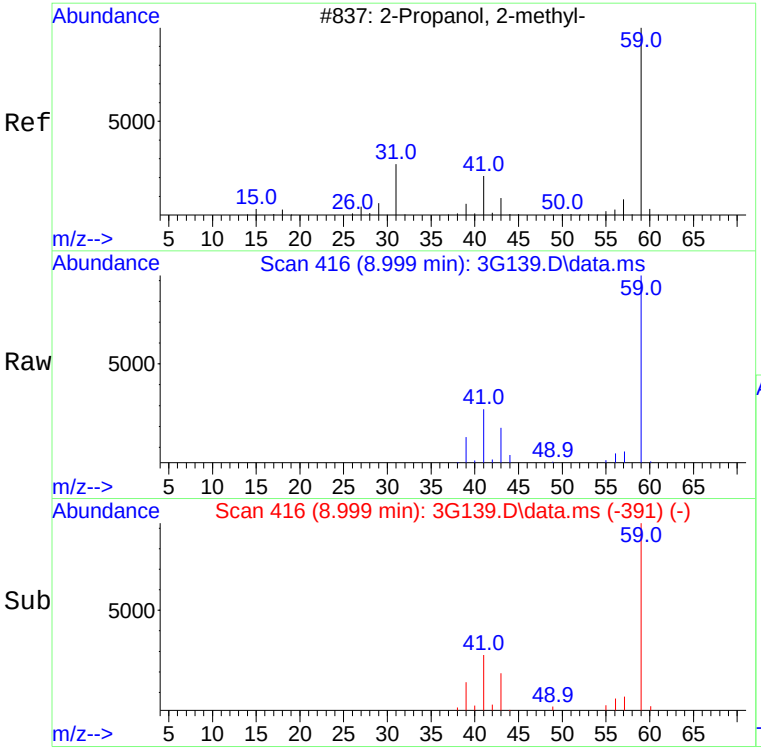


#89 BEFORE analyst DELETION
Isopropyl Alcohol
Concen: 24.44 ug/L
RT: 8.347 min Scan# 361
Delta R.T. -0.000 min
Lab File: 3G139.D
Acq: 22 Oct 2013 01:20

Tgt Ion: 45 Resp: 5737

Ion	Ratio	Lower	Upper
45	100		
43	36.7	0.0	53.0

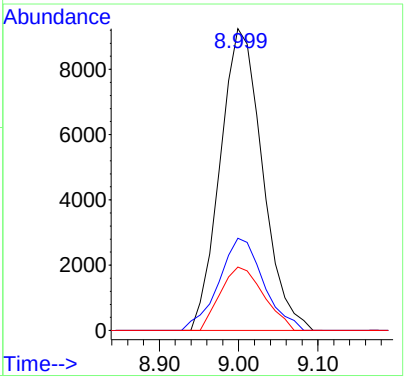


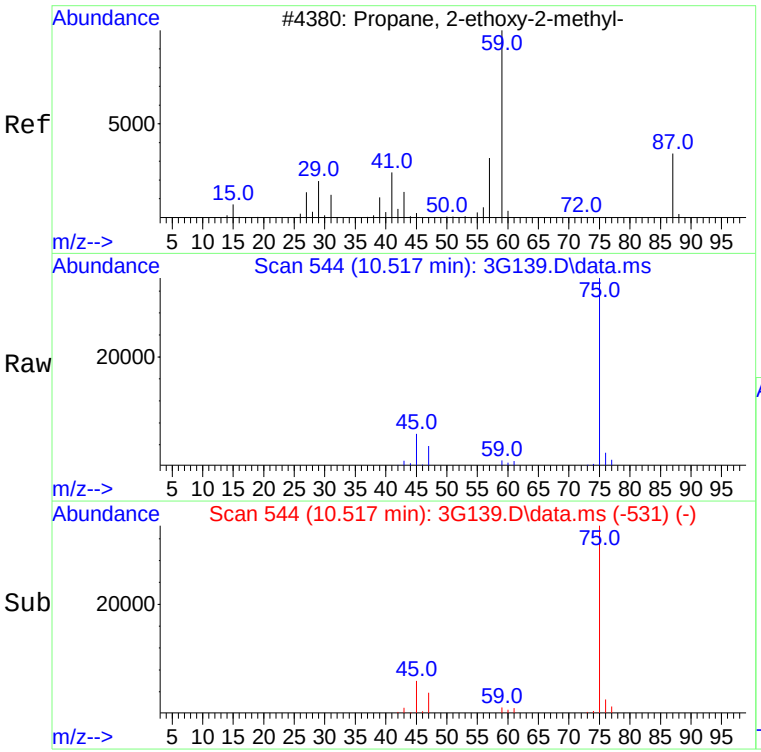


#91
tert-Butyl Alcohol
Concen: 82.25 ug/L
RT: 8.999 min Scan# 416
Delta R.T. -0.000 min
Lab File: 3G139.D
Acq: 22 Oct 2013 01:20

Tgt Ion: 59 Resp: 34313

Ion	Ratio	Lower	Upper
59	100		
41	32.4	0.0	52.0
43	21.5	0.0	44.8

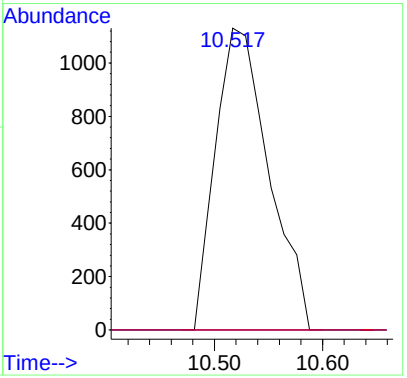


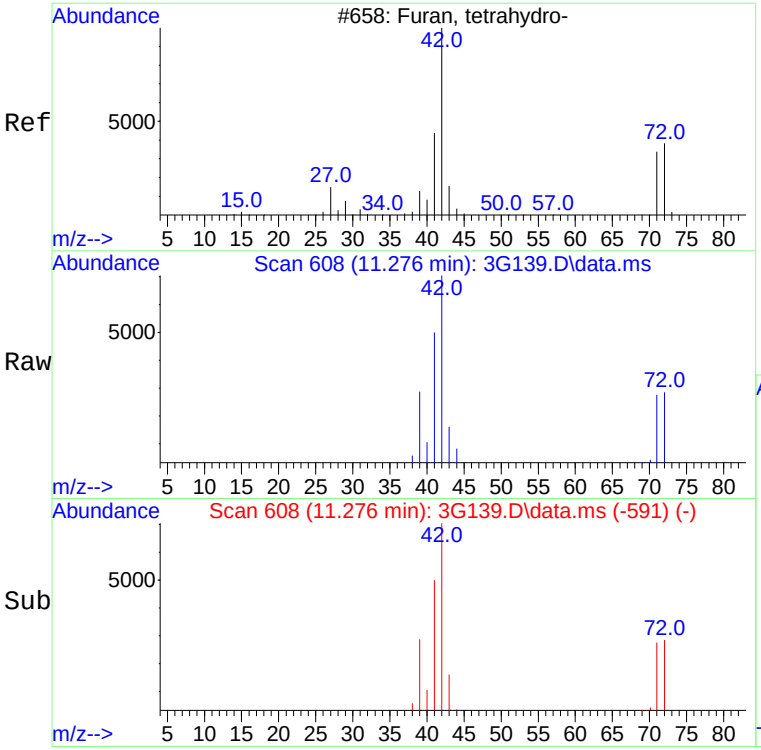


#95 BEFORE analyst DELETION
Ethyl tert-butyl ether
Concen: 0.36 ug/L
RT: 10.517 min Scan# 544
Delta R.T. -0.047 min
Lab File: 3G139.D
Acq: 22 Oct 2013 01:20

Tgt Ion: 59 Resp: 3899

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	58.9
87	0.0	12.3	72.3#

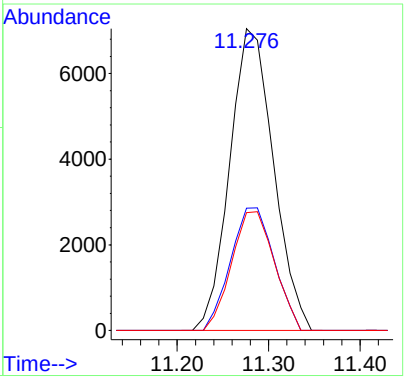


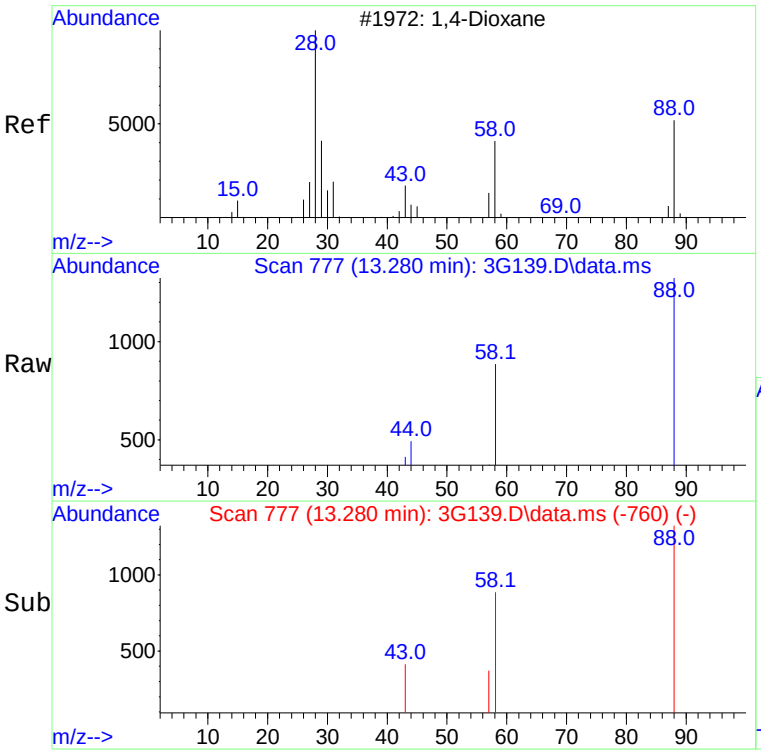


#99
Tetrahydrofuran
Concen: 26.94 ug/L
RT: 11.276 min Scan# 608
Delta R.T. -0.000 min
Lab File: 3G139.D
Acq: 22 Oct 2013 01:20

Tgt Ion: 42 Resp: 23395

Ion	Ratio	Lower	Upper
42	100		
72	40.3	14.2	74.2
71	38.4	11.7	71.7

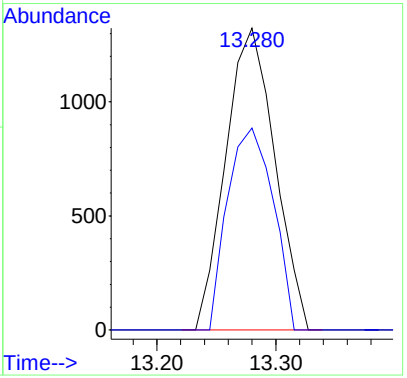




#103
1,4-Dioxane
Concen: 108.66 ug/L
RT: 13.280 min Scan# 777
Delta R.T. -0.000 min
Lab File: 3G139.D
Acq: 22 Oct 2013 01:20

Tgt Ion: 88 Resp: 3802

Ion	Ratio	Lower	Upper
88	100		
58	62.3	35.8	95.8



Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 15:05**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204005**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008K5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 01:49**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 01:49**				
Data File:	**102113V3\3G140.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
123-91-1	1,4-Dioxane		100	ug/L	15.0	50.0
78-93-3	2-Butanone	U	5.00	ug/L	2.00	5.00
591-78-6	2-Hexanone	U	5.00	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.50	5.00
67-64-1	Acetone	J	2.74	ug/L	2.50	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
74-97-5	Bromochloromethane	U	1.00	ug/L	0.300	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.300	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.300	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.300	1.00
75-15-0	Carbon disulfide	U	5.00	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.300	1.00
108-90-7	Chlorobenzene		1.09	ug/L	0.300	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.300	1.00
67-66-3	Chloroform	U	1.00	ug/L	0.300	1.00
74-87-3	Chloromethane	U	1.00	ug/L	0.300	1.00
110-82-7	Cyclohexane	U	1.00	ug/L	0.300	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.300	1.00
98-82-8	Isopropylbenzene	U	1.00	ug/L	0.300	1.00
79-20-9	Methyl acetate	U	5.00	ug/L	1.50	5.00
108-87-2	Methylcyclohexane	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 15:05**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**335204005**	**Date Received:**	**10/09/2013 09:05**		
		Client:	**EBER001**	**Project:**	**MDNR00101**
Client ID:	**WLL20131008K5**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 01:49**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 01:49**				
Data File:	**102113V3\3G140.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride	U	5.00	ug/L	1.00	5.00
100-42-5	Styrene	U	1.00	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran		24.5	ug/L	1.50	5.00
108-88-3	Toluene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride	J	0.610	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene		1.04	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/L	0.300	2.00
95-47-6	o-Xylene	U	1.00	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether	U	1.00	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G140.D
Acq On : 22 Oct 2013 01:49
Operator : CDS1
InstName : VOA3
Sample : |335204005|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH7
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Oct 22 07:44:44 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) Fluorobenzene	96	12.403	12.402	1.000	698193	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.008	16.007	1.000	306166	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	351863	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.403	12.402	1.000	698193	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.008	16.007	1.000	306166	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	351863	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	144214	54.16	ug/L	0.00
45) Toluene-d8	98	14.324	14.323	0.895	707942	51.58	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	338211	52.79	ug/L	0.00

Compound	Amount	Range	Recovery
30) 1,2-Dichloroethane-d4	50.000	78 - 124	108.32%
45) Toluene-d8	50.000	80 - 120	103.16%
63) Bromofluorobenzene	50.000	80 - 120	105.58%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		0.000	4.894	0.000	0	N.D.		
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride	62	5.667	5.643	0.457	2854	0.61	ug/L	86
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether	59	7.659	7.647	0.618	39415	13.97	ug/L	96
9) Acetone	58	8.193	8.181	0.661	2522	2.74	ug/L #	73
10) 1,1-Dichloroethylene		0.000	8.145	0.000	0	N.D.		
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile	41	8.703	8.679	0.702	393	Below Cal	#	33
13) Methyl acetate		0.000	8.702	0.000	0	N.D.		
14) Carbon disulfide		0.000	8.619	0.000	0	N.D.		
15) Methylene chloride	84	8.940	8.940	0.721	5389	Below Cal		95
16) tert-Butyl methyl ether	73	9.331	9.331	0.752	1039	N.D.		
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	392	N.D.		
18) Hexane		0.000	9.746	0.000	0	N.D.		
19) Vinyl acetate	43	10.031	10.019	0.809	1064	N.D.		
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	691	N.D.		
21) 2-Butanone		0.000	10.837	0.000	0	N.D.		
22) cis-1,2-Dichloroethylene	96	10.885	10.873	0.878	4350	1.04	ug/L	84
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		0.000	11.679	0.000	0	N.D.		
28) 1,1-Dichloropropene		0.000	11.786	0.000	0	N.D.		
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		0.000	12.082	0.000	0	N.D.		
32) Benzene	78	12.082	12.082	0.974	1272	N.D.		
33) Cyclohexene		0.000	12.201	0.000	0	N.D.		
34) n-Butyl alcohol		0.000	12.580	0.000	0	N.D.		
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G140.D
Acq On : 22 Oct 2013 01:49
Operator : CDS1
InstName : VOA3
Sample : |335204005|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH7
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Oct 22 07:44:44 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
36) 2-Pentanone		0.000	12.995	0.000	0	N.D.		
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		0.000	13.126	0.000	0	N.D.		
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		
40) Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41) 2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42) cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.		
44) 4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46) Toluene	91	14.407	14.406	0.900	767	N.D.		
47) trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.		
48) 1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49) 2-Hexanone		0.000	15.047	0.000	0	N.D.		
50) 1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.		
51) Tetrachloroethylene		0.000	15.059	0.000	0	N.D.		
52) Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53) 1,2-Dibromoethane		0.000	15.521	0.000	0	N.D.		
54) Chlorobenzene	112	16.043	16.043	1.002	10442	1.09	ug/L #	63
55) 1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.		
56) Ethylbenzene		0.000	16.114	0.000	0	N.D.		
57) m,p-Xylenes		0.000	16.233	0.000	0	N.D.		
58) o-Xylene		0.000	16.695	0.000	0	N.D.		
59) Styrene		0.000	16.695	0.000	0	N.D.		
61) Bromoform		0.000	16.980	0.000	0	N.D.		
62) Isopropylbenzene		0.000	17.075	0.000	0	N.D.		
64) 1,1,2,2-Tetrachloroethane		0.000	17.383	0.000	0	N.D.		
65) 1,2,3-Trichloropropane		0.000	17.466	0.000	0	N.D.		
66) Bromobenzene		0.000	17.502	0.000	0	N.D.		
67) n-Propylbenzene		0.000	17.513	0.000	0	N.D.		
68) 1,3,5-Trimethylbenzene		0.000	17.668	0.000	0	N.D.		
69) 2-Chlorotoluene		0.000	17.668	0.000	0	N.D.		
70) 4-Chlorotoluene		0.000	17.774	0.000	0	N.D.		
71) tert-Butylbenzene		0.000	18.059	0.000	0	N.D.		
72) 1,2,4-Trimethylbenzene		0.000	18.106	0.000	0	N.D.		
73) sec-Butylbenzene		0.000	18.296	0.000	0	N.D.		
74) 4-Isopropyltoluene		0.000	18.426	0.000	0	N.D.		
75) 1,3-Dichlorobenzene		0.000	18.509	0.000	0	N.D.		
76) 1,4-Dichlorobenzene	146	18.605	18.604	1.002	694	N.D.		
77) n-Butylbenzene	91	19.031	18.901	1.025	805	N.D.		
78) 1,2-Dichlorobenzene		0.000	19.055	0.000	0	N.D.		
79) 1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80) 1,2,4-Trichlorobenzene		0.000	21.142	0.000	0	N.D.		
81) Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.		
82) Naphthalene	128	21.581	21.581	1.162	1022	N.D.		
83) 1,2,3-Trichlorobenzene		0.000	21.960	0.000	0	N.D.		
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		0.000	8.121	0.000	0	N.D.		
89) Isopropyl Alcohol		0.000	8.347	0.000	0m	N.D.	d	
90) Allyl chloride		0.000	8.726	0.000	0	N.D.		
91) tert-Butyl Alcohol	59	8.999	8.999	0.726	34080	76.20	ug/L	78
92) Acrylonitrile		0.000	9.331	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G140.D
Acq On : 22 Oct 2013 01:49
Operator : CDS1
InstName : VOA3
Sample : |335204005|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH7
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Oct 22 07:44:44 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

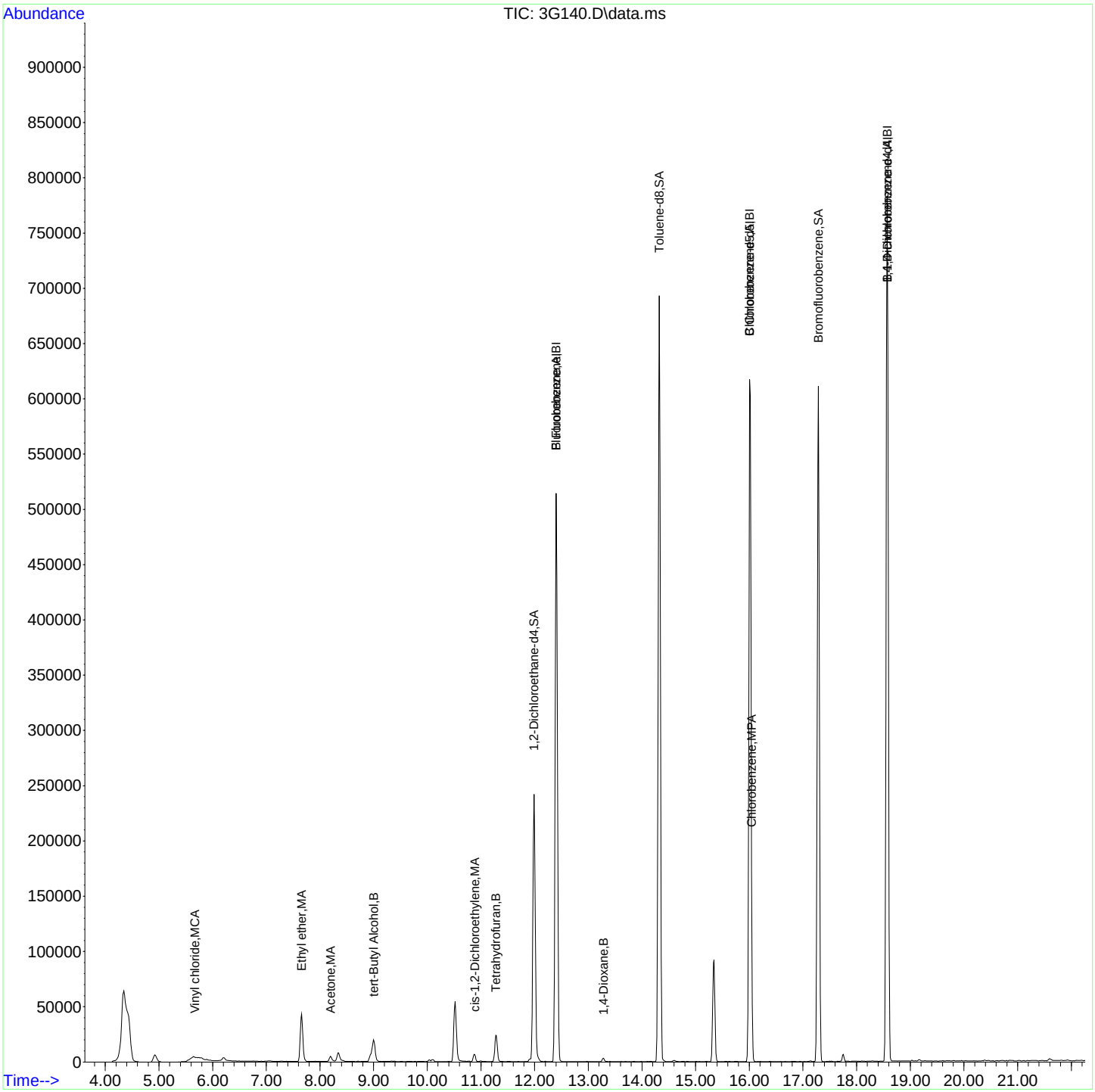
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
93)	Isopropyl ether	45	10.031	10.031	0.809	2007	N.D.		
94)	2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95)	Ethyl tert-butyl ether		0.000	10.564	0.000	0m	N.D.	d	
96)	Ethyl acetate		0.000	10.861	0.000	0m	N.D.	d	
97)	Propionitrile		0.000	10.956	0.000	0	N.D.		
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.		
99)	Tetrahydrofuran	42	11.276	11.276	0.909	22823	24.51	ug/L	95
100)	Isobutyl alcohol	43	11.916	11.750	0.961	1041	N.D.		
101)	Methyl tert-amyl ether		0.000	12.118	0.000	0	N.D.		
102)	Methyl methacrylate		0.000	13.161	0.000	0	N.D.		
103)	1,4-Dioxane	88	13.280	13.280	1.071	3767	100.42	ug/L	91
104)	2-Nitropropane		0.000	13.719	0.000	0	N.D.		
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.		
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.		
109)	cis-1,4-Dichloro-2-butene		0.000	17.134	0.000	0	N.D.		
110)	Cyclohexanone	55	17.288	17.252	0.931	741	N.D.		
111)	trans-1,4-Dichloro-2-b...		0.000	17.430	0.000	0	N.D.		
112)	Pentachloroethane		0.000	18.142	0.000	0	N.D.		
113)	Benzyl chloride		0.000	18.735	0.000	0	N.D.		
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.		

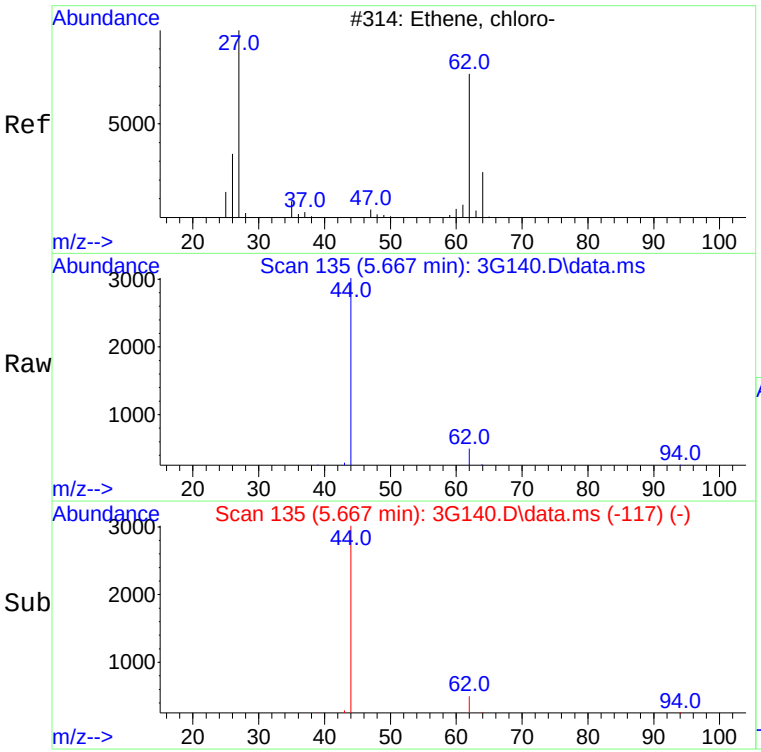
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G140.D
Acq On : 22 Oct 2013 01:49
Operator : CDS1
InstName : VOA3
Sample : |335204005|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH7
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Oct 22 07:44:44 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

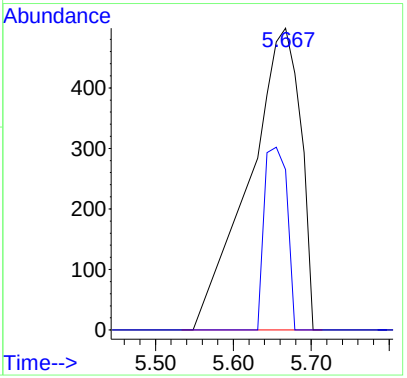


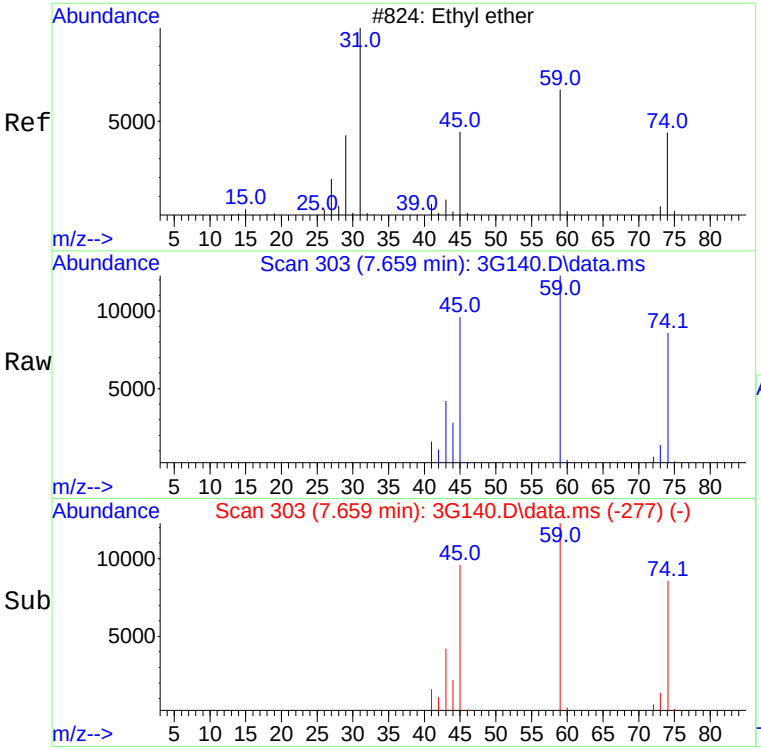


#4
Vinyl chloride
Concen: 0.61 ug/L
RT: 5.667 min Scan# 135
Delta R.T. 0.024 min
Lab File: 3G140.D
Acq: 22 Oct 2013 01:49

Tgt Ion: 62 Resp: 2854

Ion	Ratio	Lower	Upper
62	100		
64	42.9	4.8	64.8

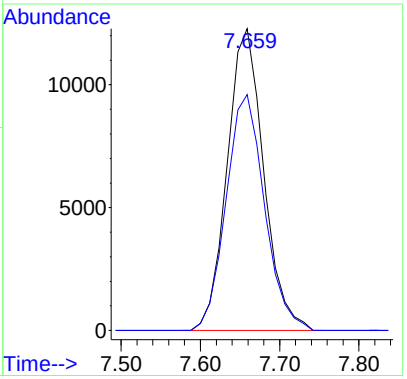


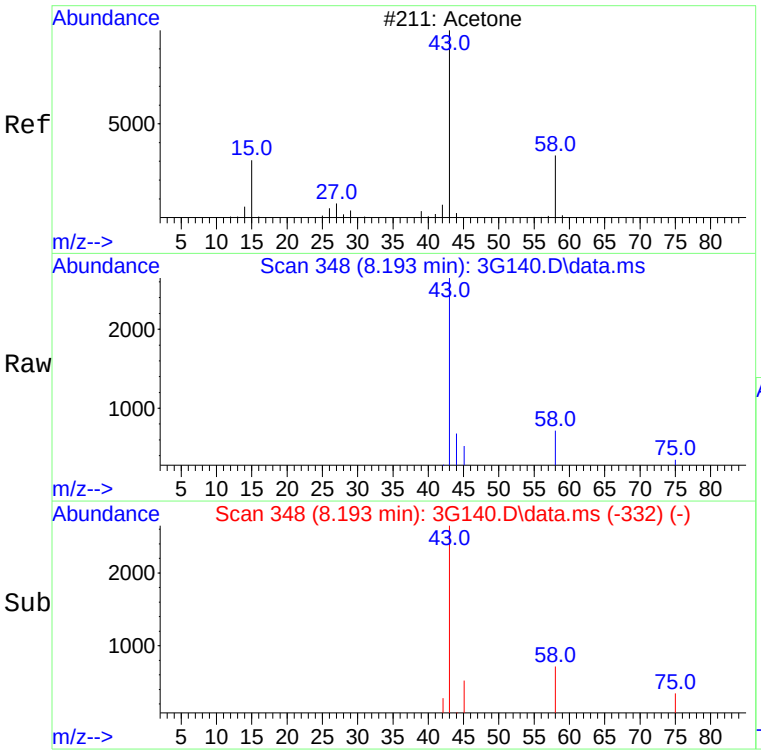


#8
Ethyl ether
Concen: 13.97 ug/L
RT: 7.659 min Scan# 303
Delta R.T. 0.012 min
Lab File: 3G140.D
Acq: 22 Oct 2013 01:49

Tgt Ion: 59 Resp: 39415

Ion	Ratio	Lower	Upper
59	100		
45	82.2	48.5	108.5

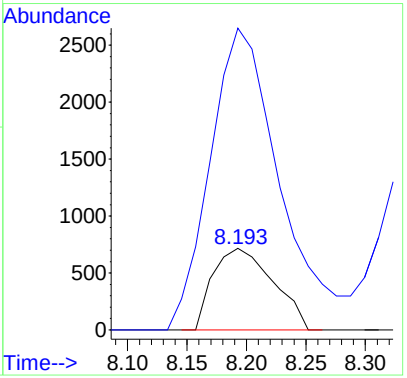


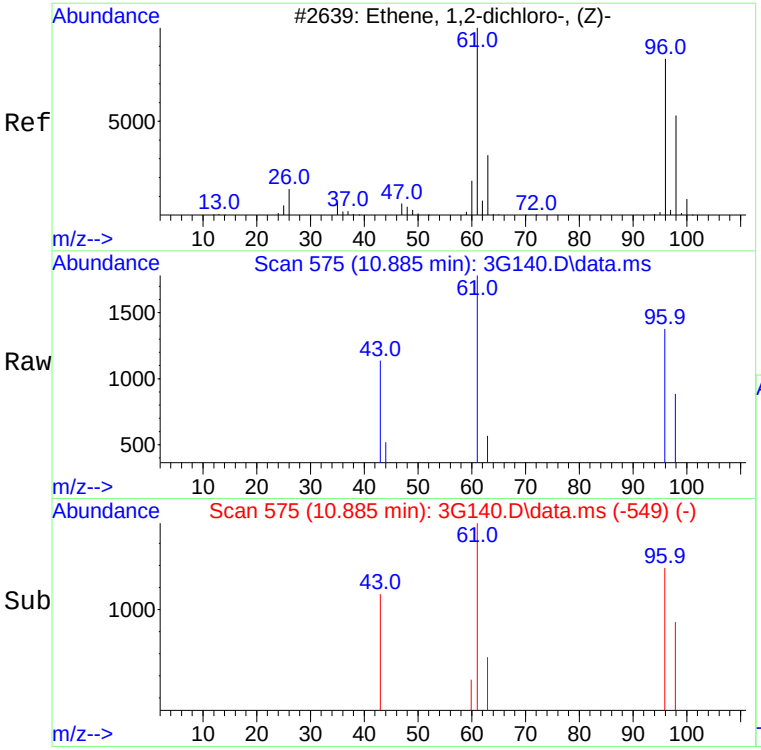


#9
Acetone
Concen: 2.74 ug/L
RT: 8.193 min Scan# 348
Delta R.T. 0.012 min
Lab File: 3G140.D
Acq: 22 Oct 2013 01:49

Tgt Ion: 58 Resp: 2522

Ion	Ratio	Lower	Upper
58	100		
43	431.8	341.6	401.6#

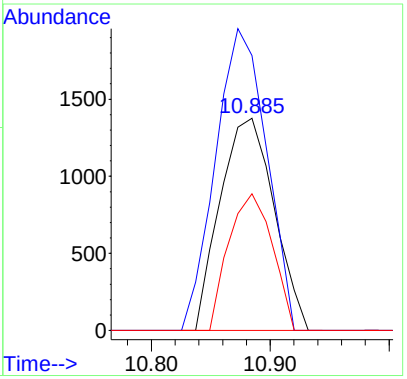


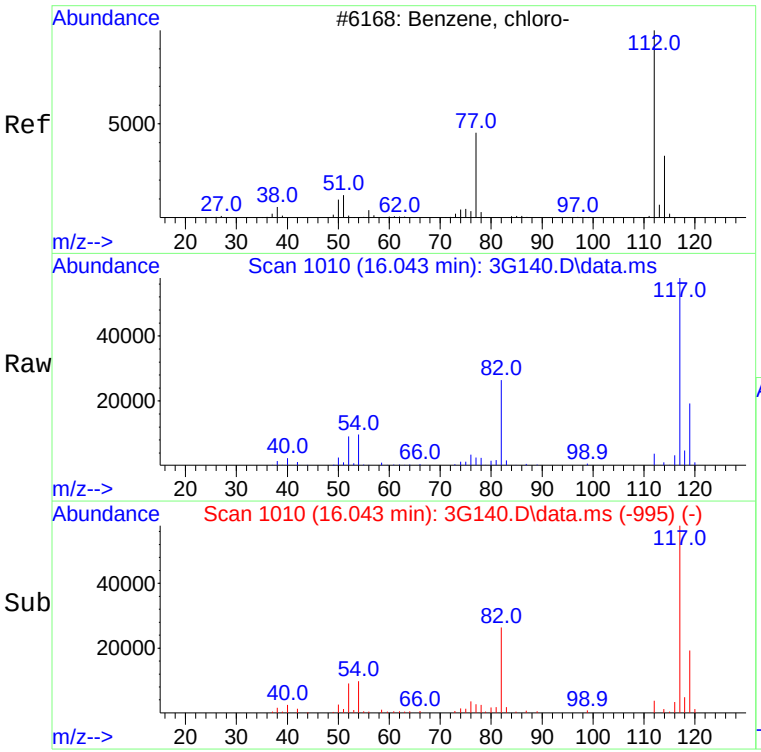


#22
cis-1,2-Dichloroethylene
Concen: 1.04 ug/L
RT: 10.885 min Scan# 575
Delta R.T. 0.012 min
Lab File: 3G140.D
Acq: 22 Oct 2013 01:49

Tgt Ion: 96 Resp: 4350

Ion	Ratio	Lower	Upper
96	100		
61	134.5	123.5	183.5
98	52.2	36.5	96.5

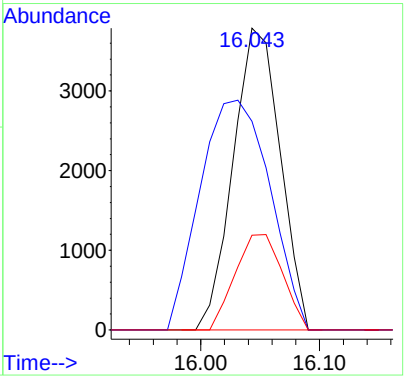


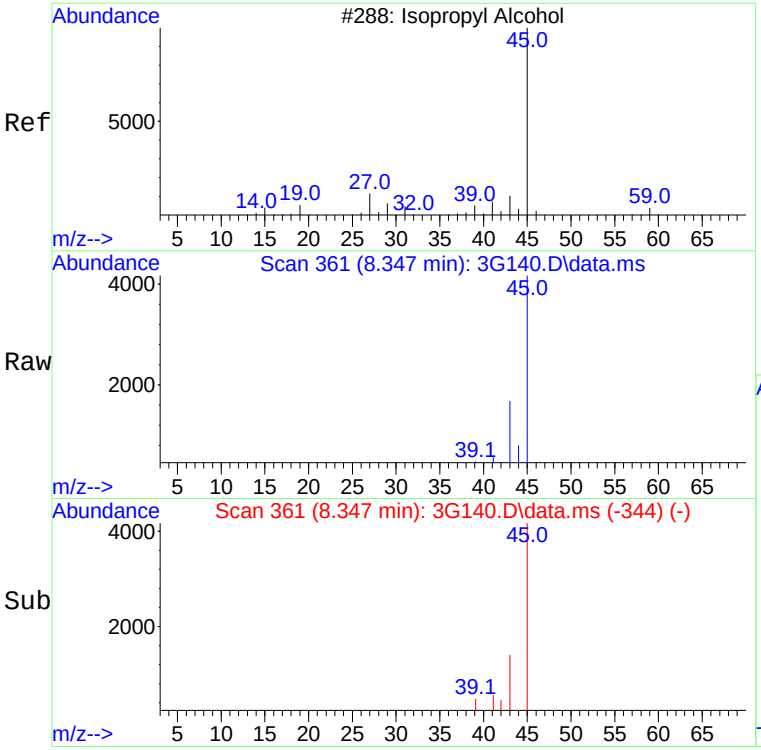


#54
Chlorobenzene
Concen: 1.09 ug/L
RT: 16.043 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 3G140.D
Acq: 22 Oct 2013 01:49

Tgt Ion:112 Resp: 10442

Ion	Ratio	Lower	Upper
112	100		
77	113.3	39.4	99.4#
114	31.8	3.0	63.0

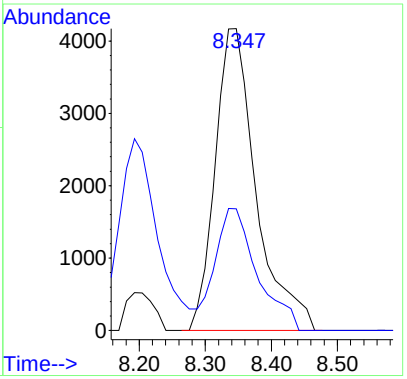


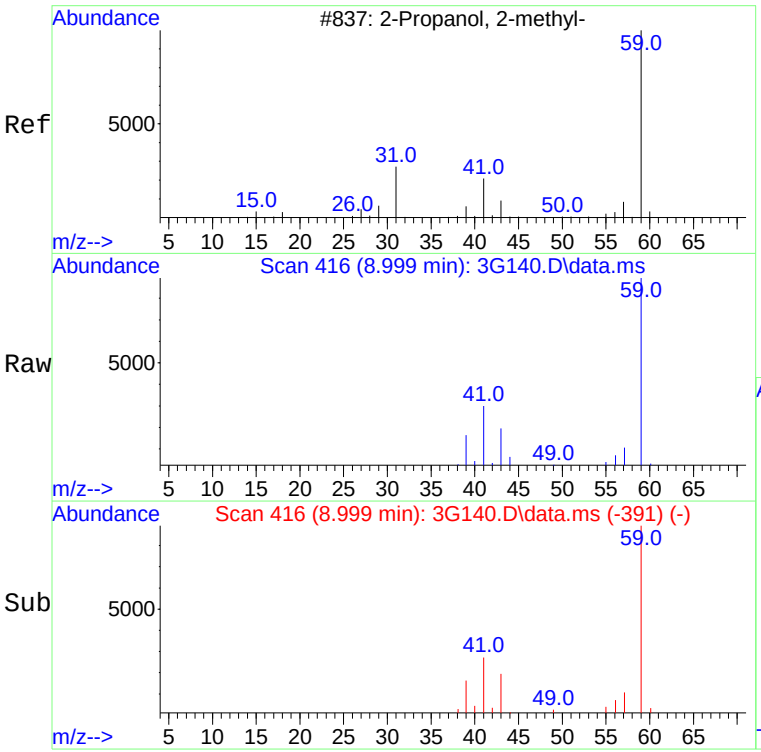


#89 BEFORE analyst DELETION
Isopropyl Alcohol
Concen: 71.59 ug/L
RT: 8.347 min Scan# 361
Delta R.T. -0.000 min
Lab File: 3G140.D
Acq: 22 Oct 2013 01:49

Tgt Ion: 45 Resp: 18016

Ion	Ratio	Lower	Upper
45	100		
43	41.5	0.0	53.0

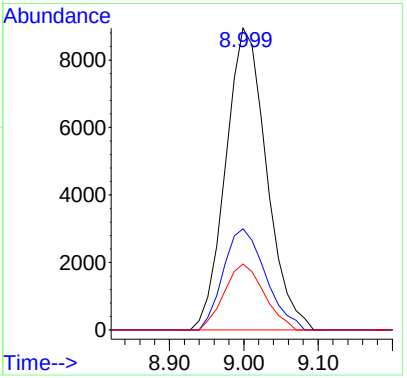


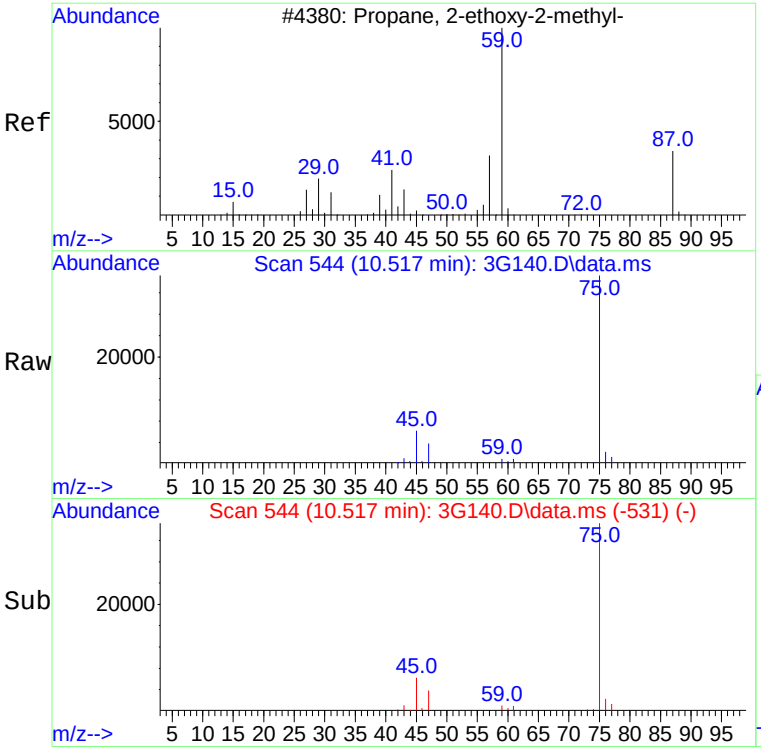


#91
tert-Butyl Alcohol
Concen: 76.20 ug/L
RT: 8.999 min Scan# 416
Delta R.T. 0.000 min
Lab File: 3G140.D
Acq: 22 Oct 2013 01:49

Tgt Ion: 59 Resp: 34080

Ion	Ratio	Lower	Upper
59	100		
41	34.7	0.0	52.0
43	21.4	0.0	44.8

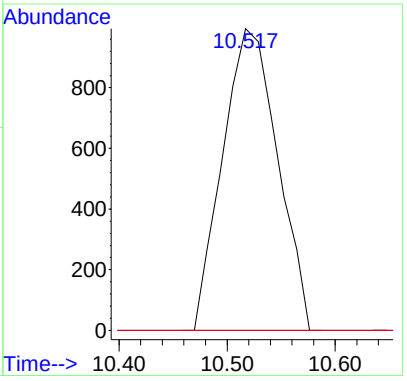


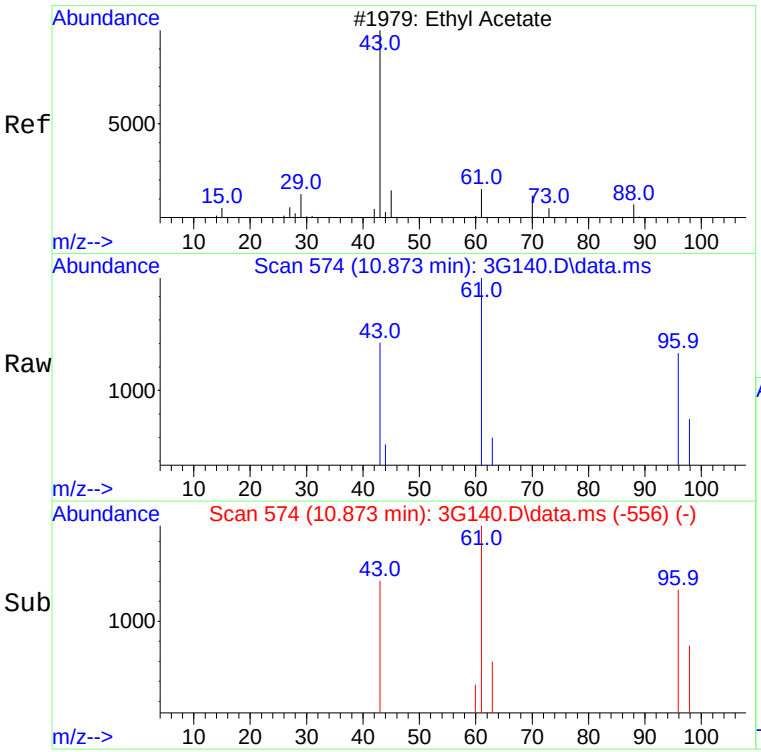


#95 BEFORE analyst DELETION
Ethyl tert-butyl ether
Concen: 0.30 ug/L
RT: 10.517 min Scan# 544
Delta R.T. -0.047 min
Lab File: 3G140.D
Acq: 22 Oct 2013 01:49

Tgt Ion: 59 Resp: 3521

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	58.9
87	0.0	12.3	72.3#

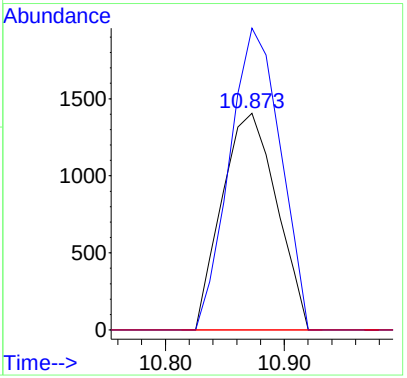


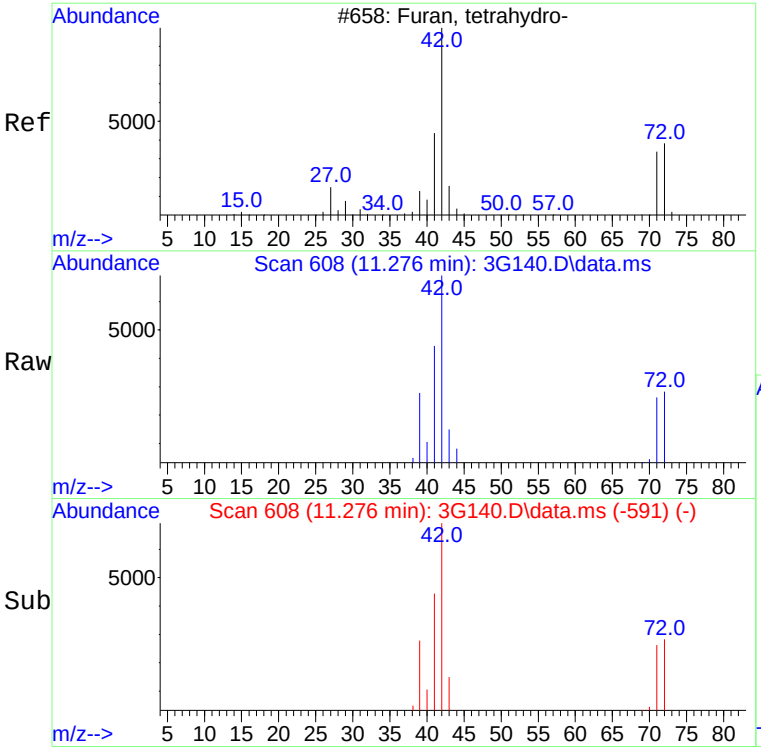


#96 BEFORE analyst DELETION
Ethyl acetate
Concen: 1.62 ug/L
RT: 10.873 min Scan# 574
Delta R.T. 0.012 min
Lab File: 3G140.D
Acq: 22 Oct 2013 01:49

Tgt Ion: 43 Resp: 4512

Ion	Ratio	Lower	Upper
43	100		
61	129.7	0.0	43.8#
70	0.0	0.0	40.4

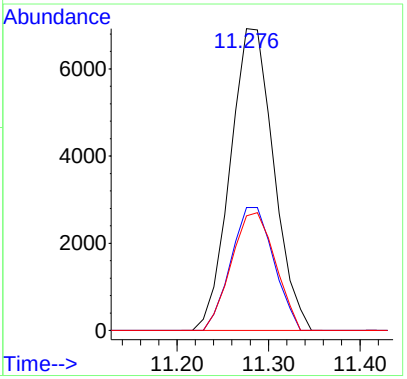


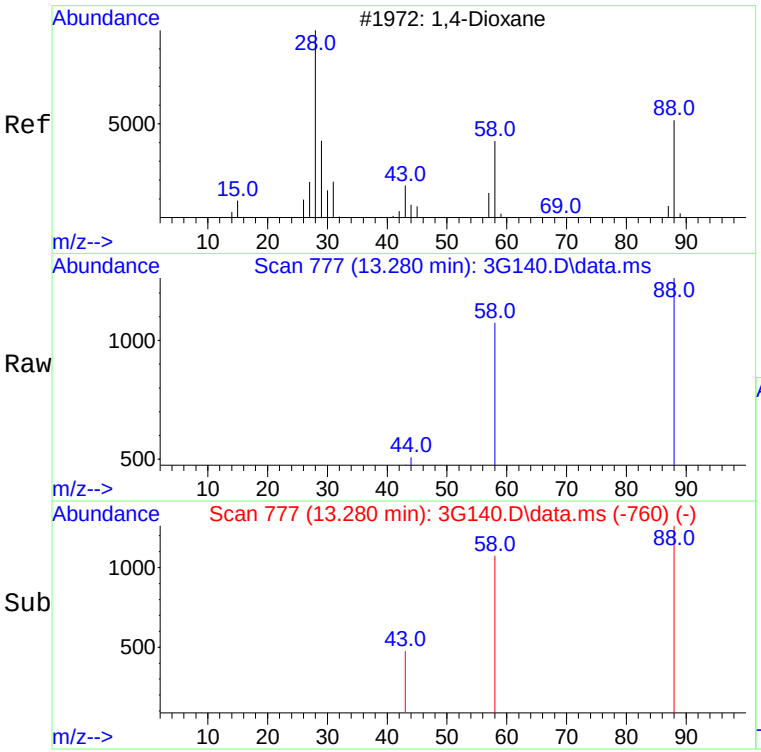


#99
Tetrahydrofuran
Concen: 24.51 ug/L
RT: 11.276 min Scan# 608
Delta R.T. -0.000 min
Lab File: 3G140.D
Acq: 22 Oct 2013 01:49

Tgt Ion: 42 Resp: 22823

Ion	Ratio	Lower	Upper
42	100		
72	40.0	14.2	74.2
71	39.4	11.7	71.7

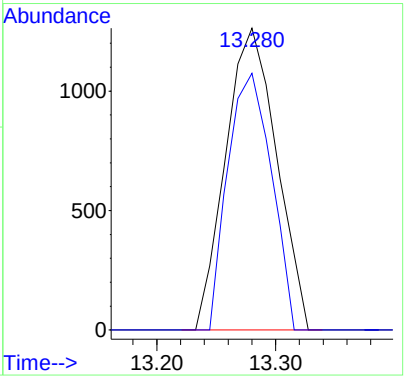




#103
1,4-Dioxane
Concen: 100.42 ug/L
RT: 13.280 min Scan# 777
Delta R.T. 0.000 min
Lab File: 3G140.D
Acq: 22 Oct 2013 01:49

Tgt Ion: 88 Resp: 3767

Ion	Ratio	Lower	Upper
88	100		
58	72.7	35.8	95.8



Standards

Low level SW846 8260B and Regular level 8260B and EPA 624

Calibration Standard Concentration Levels

	Level 1	Level 1a	Level 2	Level 3	Level 4	Level 5	Level 6 #	Level 7 !	Level 7a
Fluorobenzene (IS)	20	20/50	20/50	20/50	20/50	20/50	20/50	20/50	20/50
1,2-Dichloroethane-d4(surr)		20/50	20/50	20/50	20/50	20/50	20/50	20/50	20/50
Dichlorodifluoromethane		0.5	1	2	5	10	20	50	100
Chloromethane		0.5	1	2	5	10	20	50	100
Vinyl chloride		0.5	1	2	5	10	20	50	100
Bromomethane		0.5	1	2	5	10	20	50	100
Chloroethane		0.5	1	2	5	10	20	50	100
Trichlorofluoromethane		0.5	1	2	5	10	20	50	100
1,1-Dichloroethene		0.5	1	2	5	10	20	50	100
Acetone	1	2.5	5	10	25	50	100	250	500
Iodomethane	1	2.5	5	10	25	50	100	250	500
Carbon disulfide	1	2.5	5	10	25	50	100	250	500
Methylene chloride		0.5	1	2	5	10	20	50	100
trans-1,2-Dichloroethene		0.5	1	2	5	10	20	50	100
1,1-Dichloroethane		0.5	1	2	5	10	20	50	100
Ethyl ether		0.5	1	2	5	10	20	50	100
Vinyl acetate	1	2.5	5	10	25	50	100	250	500
cis-1,2-Dichloroethene		0.5	1	2	5	10	20	50	100
1,2-Dichloroethene (total)		1	2	4	10	20	40	100	200
Cyclohexene		0.5	1	2	5	10	20	50	100
2-Chloroethylvinyl ether			5	10	25	50	100	250	500
2,2-Dichloropropane		0.5	1	2	5	10	20	50	100
2-Butanone	1	2.5	5	10	25	50	100	250	500
Bromochloromethane		0.5	1	2	5	10	20	50	100
Chloroform		0.5	1	2	5	10	20	50	100
1,1,1-Trichloroethane		0.5	1	2	5	10	20	50	100
1,1-Dichloropropene		0.5	1	2	5	10	20	50	100
Carbon tetrachloride		0.5	1	2	5	10	20	50	100
Benzene		0.5	1	2	5	10	20	50	100
1,2-Dichloroethane		0.5	1	2	5	10	20	50	100
Trichloroethene		0.5	1	2	5	10	20	50	100
1,2-Dichloropropane		0.5	1	2	5	10	20	50	100
Dibromomethane		0.5	1	2	5	10	20	50	100
Bromodichloromethane		0.5	1	2	5	10	20	50	100
cis-1,3-Dichloropropene		0.5	1	2	5	10	20	50	100
tert-Butylmethylether		0.5	1	2	5	10	20	50	100
Ethyl Ether			1	2	5	10	20	50	100
Acetonitrile			25	50	125	250	500	1250	2500
Methyl acetate			5	10	25	50	100	250	500
Cyclohexane			1	2	5	10	20	50	100
Methylcyclohexane			1	2	5	10	20	50	100
n-Butyl alcohol		50	100	200	500	1000	2000	5000	10000
2-Nitropropane			5	10	25	50	100	250	500
Ethyl acetate			5	10	25	50	100	250	500
Acrolein			5	10	25	50	100	250	500
Trichlorotrifluoroethane		2	5	10	25	50	100	250	500
Allyl chloride			5	10	25	50	100	250	500
Acrylonitrile			5	10	25	50	100	250	500
1,4-Dioxane			50	100	250	500	1000	2500	5000
Isobutyl alcohol			50	100	250	500	1000	2500	5000
Methacrylonitrile			5	10	25	50	100	250	500
Propionitrile			5	10	25	50	100	250	500
Methyl methacrylate			5	10	25	50	100	250	500
Chlorotrifluoroethylene			5	10	25	50	100	150	200
2-Chloro-1,1,1-trifluoroethane			5	10	25	50	100	150	200
Tetrahydrofuran			5	10	25	50	100	250	500
tert-Butyl alcohol			50	100	250	500	1000	2500	5000
Isopropyl ether			1	2	5	10	20	50	100
Ethyl tert-butyl ether			1	2	5	10	20	50	100
Isopropyl alcohol			50	100	250	500	1000	2500	5000
Methyl tert-amyl ether			1	2	5	10	20	50	100
1-Chlorohexane			1	2	5	10	20	50	100
2-Chloro-1,3-butadiene(chloroprene)			1	2	5	10	20	50	100
Chlorobenzene-d5 (IS)	20	20	20/50	20/50	20/50	20/50	20/50	20/50	20/50
Toluene-d8 (surr)		20	20/50	20/50	20/50	20/50	20/50	20/50	20/50
4-Methyl-2-pentanone	1	2.5	5	10	25	50	100	250	500
Toluene		0.5	1	2	5	10	20	50	100
trans-1,3-Dichloropropene		0.5	1	2	5	10	20	50	100
1,1,2-Trichloroethane		0.5	1	2	5	10	20	50	100
Tetrachloroethene		0.5	1	2	5	10	20	50	100
1,3-Dichloropropane		0.5	1	2	5	10	20	50	100
2-Hexanone	1	2.5	5	10	25	50	20	250	500
Dibromochloromethane		0.5	1	2	5	10	20	50	100
1,2-Dibromoethane		0.5	1	2	5	10	20	50	100
Chlorobenzene		0.5	1	2	5	10	20	50	100
1,1,1,2-Tetrachloroethane		0.5	1	2	5	10	20	50	100
Ethylbenzene		0.5	1	2	5	10	20	50	100
m,p-Xylene		1	2	4	10	20	20	100	200
o-Xylene		0.5	1	2	5	10	20	50	100
Xylenes (total)		1.5	3	6	15	30	60	150	300
Stryene		0.5	1	2	5	10	20	50	100
Ethyl methacrylate			5	10	25	50	100	250	500
1,4-Dichlorobenzene-d4 (IS)	20	20	20/50	20/50	20/50	20/50	20/50	20/50	20/50
Bromofluorobenzene (surr)		20	20/50	20/50	20/50	20/50	20/50	20/50	20/50
Bromoform		0.5	1	2	5	10	20	50	100
Isopropylbenzene		0.5	1	2	5	10	20	50	100
1,1,2,2-Tetrachloroethane		0.5	1	2	5	10	20	50	100
Bromobenzene		0.5	1	2	5	10	20	50	100
1,2,3-Trichloropropane		0.5	1	2	5	10	20	50	100
n-Propylbenzene		0.5	1	2	5	10	20	50	100
2-Chlorotoluene		0.5	1	2	5	10	20	50	100
1,3,5-Trimethylbenzene		0.5	1	2	5	10	20	50	100
4-Chlorotoluene		0.5	1	2	5	10	20	50	100
1,2,4-Trimethylbenzene		0.5	1	2	5	10	20	50	100
sec-Butylbenzene		0.5	1	2	5	10	20	50	100
1,3-Dichlorobenzene		0.5	1	2	5	10	20	50	100
tert-Butylbenzene		0.5	1	2	5	10	20	50	100
Isopropyltoluene		0.5	1	2	5	10	20	50	100
1,4-Dichlorobenzene		0.5	1	2	5	10	20	50	100
n-Butylbenzene		0.5	1	2	5	10	20	50	100
1,2-Dichlorobenzene		0.5	1	2	5	10	20	50	100
1,2-Dibromo-3-chloropropa		0.5	1	2	5	10	20	50	100
1,2,4-Trichlorobenzene		0.5	1	2	5	10	20	50	100
Hexachlorobutadiene		0.5	1	2	5	10	20	50	100
Naphthalene		0.5	1	2	5	10	20	50	100
1,2,3-Trichlorobenzene		0.5	1	2	5	10	20	50	100
cis-1,4-Dichloro-2-butene			5	10	25	50	100	250	500
trans-1,4-Dichloro-2-butene			5	10	25	50	100	250	500
Pentachloroethane			5	10	25	50	100	250	500
Benzyl chloride			5	10	25	50	100	250	500
Cyclohexanone			25	50	125	250	500	1250	2500
bis(2-Chloro-isopropyl)ether			5	10	25	50	100	250	500

Method	PQL	Concentration range		
SW 846 8260B low level	Level 1 &1a	Levels 1-> 7a	IS/SS @ 20 ppb	
EPA 524.2	Level 1a	Levels 1a-> 7a	IS/SS @ 20 ppb	
SW846 8260B/624	Level 2	Levels 1a-> 7a	IS/SS @ 50 ppb	n-butyl alchol only in 1a

#: Indicates calibration verification concentration level used for low level analysis

!: Indicates calibration verification concentration level used for regular level analysis

Calibration History Report VOA3
GEL Laboratories, LLC
Method File : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Last Update : Wed Oct 09 07:01:18 2013
Integrator : (RTE Integrator) Response via : Initial Calibration

Cal Lvl:8 Amt:0.00 Last Updated with: C:\msdchem\1\DATA\100813V3\3E206.D

Injection Date	Mix	Calibration File
08 Oct 2013 15:12	A	C:\msdchem\1\DATA\100813V3\3E206.D

Cal Lvl:1 Amt:1.00 Last Updated with: C:\msdchem\1\DATA\100813V3\3E213.D

Injection Date	Mix	Calibration File
08 Oct 2013 15:41	A	C:\msdchem\1\DATA\100813V3\3E207.D
08 Oct 2013 18:34	B	C:\msdchem\1\DATA\100813V3\3E213.D

Cal Lvl:2 Amt:2.00 Last Updated with: C:\msdchem\1\DATA\100813V3\3E214.D

Injection Date	Mix	Calibration File
08 Oct 2013 16:10	A	C:\msdchem\1\DATA\100813V3\3E208.D
08 Oct 2013 19:03	B	C:\msdchem\1\DATA\100813V3\3E214.D

Cal Lvl:3 Amt:5.00 Last Updated with: C:\msdchem\1\DATA\100813V3\3E215.D

Injection Date	Mix	Calibration File
08 Oct 2013 16:39	A	C:\msdchem\1\DATA\100813V3\3E209.D
08 Oct 2013 19:32	B	C:\msdchem\1\DATA\100813V3\3E215.D

Cal Lvl:4 Amt:10.00 Last Updated with: C:\msdchem\1\DATA\100813V3\3E216.D

Injection Date	Mix	Calibration File
08 Oct 2013 17:07	A	C:\msdchem\1\DATA\100813V3\3E210.D
08 Oct 2013 20:00	B	C:\msdchem\1\DATA\100813V3\3E216.D

Cal Lvl:5 Amt:20.00 Last Updated with: C:\msdchem\1\DATA\100813V3\3E217.D

Injection Date	Mix	Calibration File
08 Oct 2013 17:36	A	C:\msdchem\1\DATA\100813V3\3E211.D
08 Oct 2013 20:29	B	C:\msdchem\1\DATA\100813V3\3E217.D

Cal Lvl:6 Amt:50.00 Last Updated with: C:\msdchem\1\DATA\100813V3\3E218.D

Injection Date	Mix	Calibration File
08 Oct 2013 13:16	A	C:\msdchem\1\DATA\100813V3\3E202.D
08 Oct 2013 20:58	B	C:\msdchem\1\DATA\100813V3\3E218.D

Cal Lvl:7 Amt:100.00 Last Updated with: C:\msdchem\1\DATA\100813V3\3E219.D

Injection Date	Mix	Calibration File
08 Oct 2013 14:14	A	C:\msdchem\1\DATA\100813V3\3E204.D
08 Oct 2013 21:26	B	C:\msdchem\1\DATA\100813V3\3E219.D

Cal Lvl:9 Amt:80.00 Last Updated with: C:\msdchem\1\DATA\100813V3\3E203.D

Injection Date	Mix	Calibration File

Calibration History Report VOA3
GEL Laboratories, LLC

Method File : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Last Update : Wed Oct 09 07:01:18 2013
Integrator : (RTE Integrator) Response via : Initial Calibration

08 Oct 2013 13:45	A	C:\msdchem\1\DATA\100813V3\3E203.D

VOA3-8260-100813.M Mon Oct 28 12:55:35 2013

Response Factor Report VOA3
GEL Laboratories, LLC

Method File : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Last Update : Wed Oct 09 07:01:18 2013
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	8 6	1 7	2 9	3	4	5	Avg	Curve	Exp	%RSD/r2
2)MA Dichlorodifluoromethane		0.4465210	0.4076889	0.4051169	0.3746217	0.3579110				
	0.3993807	0.3358321	0.4003940				0.3909	AVRG		8.7151
3)MPA Chloromethane		0.3350397	0.3083907	0.2985621	0.2658056	0.2580146				
	0.2781048	0.2424251	0.2727671				0.2824	AVRG		10.6126
4)MCA Vinyl chloride		0.3854423	0.3432831	0.3704677	0.3095741	0.3027937				
	0.3247793	0.3014617	0.3408649				0.3348	AVRG		9.3209
5)MA Bromomethane		0.2921517	0.2417715	0.2741049	0.2457461	0.2460810				
	0.2819967	0.2697662	0.2796878				0.2664	AVRG		7.2336
6)MA Chloroethane		0.2465603	0.2160425	0.2424071	0.2172112	0.2198508				
	0.2479356	0.2169637	0.2312233				0.2298	AVRG		6.1157
7)MA Trichlorofluoromethane		0.8197750	0.6887084	0.7729283	0.7050827	0.6627947				
	0.7874331	0.6428810	0.7412415				0.7276	AVRG		8.6477
8)MA Ethyl ether		0.1939583	0.1820307	0.2155888	0.1994475	0.2037651				
	0.2066461	0.2042105	0.2110952				0.2021	AVRG		5.1791
9)MA Acetone		7576	9487	24070	46496	89362				
0.0012 | 0.0438 | 0.00	214989		376185					LINR	#	0.9985
10)MCA 1,1-Dichloroethylene		0.5631801	0.5190066	0.5098517	0.5311903	0.4890829				
	0.5074064	0.4290926	0.4959201				0.5056	AVRG		7.6205
11)MA Iodomethane		0.6844395	0.6241836	0.6159048	0.5789592	0.5453333				
	0.5343387	0.5122672	0.5408445				0.5795	AVRG		10.0097
12)MA Acetonitrile		26519	39175	94501	189073	362035				
0.0312 | 0.0276 | 0.00	708537		1193668					LINR	#	0.9955
13)MA Methyl acetate		0.0455181	0.0372154	0.0388127	0.0367385	0.0353157				
	0.0320511	0.0298800	0.0306876				0.0358	AVRG		14.2470
14)MA Carbon disulfide		1.0579868	0.9409285	0.9067697	0.8737990	0.7945955				
	0.8044709	0.6824600	0.7609822				0.8527	AVRG		13.7610
15)MA Methylene chloride			22869	44119	76782	142811				
0.0160 | 0.2848 | 0.00	282033	689546	525112					LINR	#	0.9988
16)MA tert-Butyl methyl ether		0.8546903	0.7160558	0.7668190	0.7791222	0.7614664				
	0.7580753	0.7273020	0.7683516				0.7665	AVRG		5.4282

Response Factor Report VOA3
GEL Laboratories, LLC

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Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	8 6	1 7	2 9	3	4	5	Avg	Curve	Exp	%RSD/r2
17)MA trans-1,2-Dichloroethyle		0.4478956	0.4319184	0.4221169	0.3980149	0.3755525				
	0.3669081	0.3240113	0.3598435				0.3908	AVRG		10.6856
18)MA Hexane				0.3220846	0.3263142	0.3333509				
	0.3804155	0.3224172	0.3508018				0.3392	AVRG		6.7327
19)MA Vinyl acetate		0.4359182	0.3725823	0.4529490	0.4441471	0.4466560				
	0.4403624	0.3592320	0.4093957				0.4202	AVRG		8.5818
20)MPA 1,1-Dichloroethane		0.5969498	0.5382379	0.5523910	0.4950411	0.4479427				
	0.4427636		0.4298141				0.5004	AVRG		12.7795
21)MA 2-Butanone		0.0343104	0.0317697	0.0311351	0.0361913	0.0361718				
	0.0381686	0.0344838	0.0371465				0.0349	AVRG		7.1387
22)MA cis-1,2-Dichloroethylene		0.3621654	0.3148884	0.3155522	0.3080387	0.2891153				
	0.2727777	0.2602016	0.2775553				0.3000	AVRG		10.7925
23)MA 2,2-Dichloropropane		0.5338550	0.4888982	0.4731070	0.4450501	0.3966673				
	0.4467915	0.3766627	0.4316438				0.4491	AVRG		11.1866
24)MA Bromochloromethane		0.2128822	0.1808169	0.1820316	0.1747246	0.1674394				
	0.1585321	0.1551989	0.1624714				0.1743	AVRG		10.6067
25)MCA Chloroform		0.6585326	0.6104980	0.6194170	0.5603039	0.5339367				
	0.5177315	0.4501818	0.5071762				0.5572	AVRG		12.3301
26)MA 1,1,1-Trichloroethane		0.5874650	0.5401658	0.5553719	0.5085145	0.4797525				
	0.5124945	0.4432239	0.5176980				0.5181	AVRG		8.5974
27)MA Cyclohexane		0.3947438	0.4019528	0.3879989	0.3828435	0.3710925				
	0.4013990	0.3455998	0.4000813				0.3857	AVRG		5.0292
28)MA 1,1-Dichloropropene		0.3801729	0.3367140	0.3582489	0.3278639	0.3187021				
	0.3223698	0.2830937	0.3284200				0.3319	AVRG		8.6139
29)MA Carbon tetrachloride		0.6146824	0.4997039	0.5354107	0.4821416	0.4526126				
	0.4935925	0.4151541	0.4879502				0.4977	AVRG		11.8421
30)SA 1,2-Dichloroethane-d4		0.1968248	0.1942531	0.1969105	0.1882813	0.1894331				
	0.1958966	0.1800872	0.1836773				0.1907	AVRG		3.3471
31)MA 1,2-Dichloroethane		0.4538523	0.4282054	0.4532540	0.4105079	0.3940757				
	0.3709886	0.3231072	0.3682529				0.4003	AVRG		11.3461

Response Factor Report VOA3
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For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	8 6	1 7	2 9	3	4	5	Avg	Curve	Exp	%RSD/r2
32)MA Benzene		1.0171699	0.9562326	0.9656144	0.8721499	0.8416125				
	0.7988943	0.7467521	0.8536201				0.8815	AVRG		10.3709
33)MA Cyclohexene		0.4319501	0.3905283	0.4012211	0.4179262	0.3890653				
	0.4244179	0.3835152	0.4417111				0.4100	AVRG		5.3383
34)MA n-Butyl alcohol	0.0049863	0.0058247	0.0043230	0.0060691	0.0065846	0.0069578				
	0.0066018	0.0059685	0.0063708				0.0060	AVRG	#	14.0561
35)MA Trichloroethylene		0.3007659	0.2592177	0.2888324	0.2618788	0.2622950				
	0.2547129	0.2321555	0.2647943				0.2656	AVRG		7.8977
36)MA 2-Pentanone			0.1624567	0.1542374	0.1674957	0.1712443				
	0.1750708	0.1391219	0.1631479				0.1618	AVRG		7.4475
37)MCA 1,2-Dichloropropane		0.2750148	0.2408194	0.2546652	0.2293216	0.2155331				
	0.2106022	0.1918947	0.2163846				0.2293	AVRG		11.6227
38)MA Methylcyclohexane		0.4029915	0.4132107	0.4363032	0.4227808	0.4000799				
	0.4460723	0.4033286	0.4533011				0.4223	AVRG		4.9284
39)MA Dibromomethane		0.1929044	0.1693210	0.2014910	0.1827360	0.1851462				
	0.1773344	0.1637350	0.1809043				0.1817	AVRG		6.6626
40)MA Bromodichloromethane		0.4165544	0.3885052	0.3978270	0.3782567	0.3837516				
	0.3942112	0.3574553	0.3941706				0.3888	AVRG		4.3786
41)MA 2-Chloroethylvinyl ether		0.0998063	0.0942047	0.1396079	0.1085731	0.1173405				
	0.1170779	0.1065718	0.1164642				0.1125	AVRG		12.3094
42)MA cis-1,3-Dichloropropylen		0.3563921	0.3462821	0.3928588	0.3687626	0.3708313				
	0.3834456	0.3715395	0.3992444				0.3737	AVRG		4.7477
44)MA 4-Methyl-2-pentanone		0.1951925	0.1614716	0.1976884	0.1945795	0.1996704				
	0.1839620	0.1639607	0.1770421				0.1842	AVRG		8.2777
45)SA Toluene-d8		2.3143875	2.2650754	2.1929079	2.2498398	2.2839317				
	2.2258447	2.2582094	2.1410086				2.2414	AVRG		2.4275
46)MCA Toluene		2.6599806	2.2265457	2.1268023	2.1753232	2.0475148				
	1.9284328	1.8619091	1.9434466				2.1212	AVRG		11.8963
47)MA trans-1,3-Dichloropropyl		0.8751325	0.8153950	0.7840617	0.8162038	0.8821867				
	0.8198184	0.8140802	0.8537975				0.8326	AVRG		4.0969

Response Factor Report VOA3
GEL Laboratories, LLC

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For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	8 6	1 7	2 9	3	4	5	Avg	Curve	Exp	%RSD/r2
48)MA 1,1,2-Trichloroethane		0.4722616	0.4150062	0.4355410	0.4344017	0.4258103				
	0.3776633	0.3678458	0.3854989				0.4143	AVRG		8.4993
49)MA 2-Hexanone		0.2157627	0.1919256	0.2034004	0.2129386	0.2206317				
	0.2139290	0.1800947	0.1939241				0.2041	AVRG		6.9608
50)MA 1,3-Dichloropropane		0.9720326	0.8593013	0.8634587	0.8231456	0.8005559				
	0.6924082	0.6441340	0.6738935				0.7911	AVRG		14.2383
51)MA Tetrachloroethylene		0.6076748	0.5158181	0.5118843	0.4913874	0.4418164				
	0.4385891	0.4152068	0.4428926				0.4832	AVRG		12.9486
52)MA Dibromochloromethane		0.7329824	0.6936548	0.7133646	0.7076787	0.7455006				
	0.7268599	0.7571008	0.7831189				0.7325	AVRG		3.9497
53)MA 1,2-Dibromoethane		0.6511282	0.5629068	0.5757050	0.5576141	0.5765872				
	0.5529034	0.5593132	0.5839377				0.5775	AVRG		5.4799
54)MPA Chlorobenzene		1.8633338	1.5786311	1.6101507	1.5309247	1.5291729				
	1.4446753	1.4228007	1.5363939				1.5645	AVRG		8.6833
55)MA 1,1,1,2-Tetrachloroethan		0.7585829	0.7178195	0.7326097	0.7038394	0.6822216				
	0.6747573	0.6591149	0.7159269				0.7056	AVRG		4.6248
56)MCA Ethylbenzene		2.8092045	2.5246123	2.6590741	2.4777403	2.3795407				
	2.2789083	2.0077999	2.3266091				2.4329	AVRG		10.0890
57)MA m,p-Xylenes		1.0886383	0.9984638	1.0459246	0.9928081	0.9478805				
	0.9239412	0.9015044	1.0213019				0.9901	AVRG		6.3750
58)MA o-Xylene		1.0724135	1.0132431	1.0595785	1.0593919	1.0529049				
	1.0312743	1.0140783	1.1178256				1.0526	AVRG		3.2575
59)MA Styrene		1.6117080	1.6525814	1.7263243	1.7288904	1.6840838				
	1.5986961	1.5569746	1.7071375				1.6583	AVRG		3.8601
61)MPA Bromoform		0.3455742	0.3112732	0.3384444	0.3471947	0.3716318				
	0.3816618	0.4043792	0.4296037				0.3662	AVRG		10.4846
62)MA Isopropylbenzene		2.5135761	2.1533263	2.4298480	2.3173202	2.2965743				
	2.2908997	2.0643244	2.3724271				2.3048	AVRG		6.2443
63)SA Bromofluorobenzene		0.9085919	0.8995300	0.9325752	0.8875122	0.9325382				
	0.9045486	0.8996684	0.9177481				0.9103	AVRG		1.7764

Response Factor Report VOA3
GEL Laboratories, LLC

Method File : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Last Update : Wed Oct 09 07:01:18 2013
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	8 6	1 7	2 9	3	4	5	Avg	Curve	Exp	%RSD/r2
64)MPA 1,1,2,2-Tetrachloroethan		0.7258419	0.5943091	0.6403831	0.6292228	0.6306412				
	0.5812690	0.5490077	0.5860360				0.6171	AVRG		8.6841
65)MA 1,2,3-Trichloropropane		0.7825953	0.6087149	0.6315496	0.5921969	0.5889431				
	0.5433677	0.4900578	0.5390872				0.5971	AVRG		14.6465
66)MA Bromobenzene		0.8454712	0.6943106	0.7437817	0.7299672	0.6581837				
	0.6190264	0.6165873	0.6770236				0.6980	AVRG		10.7980
67)MA n-Propylbenzene		2.9565253	2.7144488	2.8953461	2.7058657	2.5285262				
	2.4810197	2.1811388	2.6116348				2.6343	AVRG		9.3434
68)MA 1,3,5-Trimethylbenzene		2.1166906	1.9419664	2.1986889	2.0851425	1.9817707				
	1.9332526	1.7791304	2.0421070				2.0098	AVRG		6.4676
69)MA 2-Chlorotoluene		0.7554820	0.6640406	0.7149937	0.6382865	0.6230373				
	0.6088510	0.6211922	0.6922114				0.6648	AVRG		7.8318
70)MA 4-Chlorotoluene		2.1084302	1.8698928	1.9945511	1.8639936	1.7228436				
	1.7194137	1.5420629	1.7799089				1.8251	AVRG		9.6310
71)MA tert-Butylbenzene		0.4558742	0.3907707	0.4451346	0.4640733	0.4661044				
	0.5023250	0.4803300	0.5387551				0.4679	AVRG		9.2062
72)MA 1,2,4-Trimethylbenzene		2.1904506	2.1312314	2.3320471	2.1868460	2.1021983				
	2.0704705	1.8904136	2.1273020				2.1289	AVRG		5.8730
73)MA sec-Butylbenzene		3.0642986	2.6757385	2.9294156	2.8817994	2.7412029				
	2.9163331	2.5459027	2.9100944				2.8331	AVRG		5.8708
74)MA 4-Isopropyltoluene		2.3377764	2.1617666	2.5204705	2.3890213	2.4113012				
	2.5453179	2.1978905	2.5764180				2.3925	AVRG		6.4757
75)MA 1,3-Dichlorobenzene		1.8956047	1.5853102	1.5451206	1.3819057	1.3701942				
	1.3030136	1.2092155	1.3891833				1.4599	AVRG		14.6316
76)MA 1,4-Dichlorobenzene		1.7749064	1.3932170	1.4182714	1.2685153	1.2489935				
	1.1981578	1.1666859	1.2777832				1.3433	AVRG		14.4961
77)MA n-Butylbenzene		2.2134824	1.9815605	2.3004696	2.1799354	2.1628604				
	2.2613359	1.9477363	2.2909447				2.1673	AVRG		6.2121
78)MA 1,2-Dichlorobenzene		1.6570264	1.4962677	1.5035381	1.4033521	1.3866786				
	1.3120018	1.2529736	1.3883084				1.4250	AVRG		8.8259

Response Factor Report VOA3
GEL Laboratories, LLC

Method File : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Last Update : Wed Oct 09 07:01:18 2013
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	8 6	1 7	2 9	3	4	5	Avg	Curve	Exp	%RSD/r2
79)MA 1,2-Dibromo-3-chloroprop		0.1513102	0.1374304	0.1486634	0.1525411	0.1776263				
	0.1747169	0.1844985	0.1953534				0.1653	AVRG		12.3675
80)MA 1,2,4-Trichlorobenzene		1.3964852	1.1720469	1.1085220	1.0608209	1.0890547				
	1.1018584	1.0785408	1.1828902				1.1488	AVRG		9.4858
81)MA Hexachlorobutadiene		0.7705449	0.6434923	0.6808313	0.6499452	0.6357882				
	0.6872705	0.6188688	0.6977987				0.6731	AVRG		7.1280
82)MA Naphthalene		3.1438895	2.5477206	2.6159654	2.7557725	3.0498620				
	2.8283791	2.8808148	2.9991456				2.8527	AVRG		7.3165
83)MA 1,2,3-Trichlorobenzene		1.3911402	1.1292712	1.1300758	1.0736643	1.1528280				
	1.1226824	1.0902652	1.1496172				1.1549	AVRG		8.5920
85)B Chlorotrifluoroethylene		45438	81516	92912	179862	409899				
0.0072 | 0.1925 | 0.00	616884	888051						LINR	#	0.9938
86)B 2-Chloro-1,1,1-trifluoro		0.4385906	0.4991365	0.4444352	0.4444031	0.4015210				
	0.3911440	0.4005033					0.4314	AVRG		8.6976
87)B Acrolein		0.0328723	0.0300263	0.0391382	0.0361334	0.0392403				
	0.0405462	0.0394378					0.0368	AVRG		10.7737
88)B Trichlorotrifluoroethane		0.3305020	0.3252460	0.3147725	0.3208344	0.2987399				
	0.2807456	0.2169659					0.2983	AVRG		13.3171
89)B Isopropyl Alcohol		0.0173720	0.0173172	0.0200873	0.0186550	0.0186421				
	0.0174318	0.0166554					0.0180	AVRG		6.4808
90)B Allyl chloride		0.1320124	0.1169337	0.1205978	0.1326915	0.1316653				
	0.1295071	0.1082095					0.1245	AVRG		7.6034
91)B tert-Butyl Alcohol		0.0325845	0.0325657	0.0362110	0.0325389	0.0326840				
	0.0295646	0.0280587					0.0320	AVRG		8.1225
92)B Acrylonitrile		0.0790539	0.0866900	0.0960504	0.0868309	0.0891799				
	0.0854578	0.0767887					0.0857	AVRG		7.4565
93)B Isopropyl ether		0.7372931	0.8114371	0.7552042	0.8764084	0.8605186				
	0.8209500	0.7676970					0.8042	AVRG		6.6048
94)B 2-Chloro-1,3-butadiene		0.3154221	0.2588602	0.2777102	0.3275430	0.3507228				
	0.3426075	0.2919898					0.3093	AVRG		11.0738

Response Factor Report VOA3
GEL Laboratories, LLC

Method File : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Last Update : Wed Oct 09 07:01:18 2013
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	8 6	1 7	2 9	3	4	5	Avg	Curve	Exp	%RSD/r2
95)B Ethyl tert-butyl ether		0.7528614	0.7989596	0.7939549	0.8895662	0.8968089				
	0.8586739	0.8282092					0.8313	AVRG		6.4104
96)B Ethyl acetate		0.2176949	0.1945823	0.2198708	0.2053091	0.2044534				
	0.1940301	0.1582308					0.1992	AVRG		10.3727
97)B Propionitrile		0.0277177	0.0295584	0.0338832	0.0290653	0.0329765				
	0.0305682	0.0273970					0.0302	AVRG		8.2452
98)B Methacrylonitrile		0.1241454	0.1152795	0.1380771	0.1308303	0.1334691				
	0.1240308	0.1042957					0.1243	AVRG		9.2787
99)B Tetrahydrofuran		0.0773794	0.0636020	0.0731104	0.0662065	0.0691064				
	0.0626530	0.0546614					0.0667	AVRG		11.1580
100)B Isobutyl alcohol		0.0102463	0.0091104	0.0118279	0.0108359	0.0114804				
	0.0105566	0.0095133					0.0105	AVRG	$	9.3617
101)B Methyl tert-amyl ether		0.6510350	0.7228896	0.6897530	0.7483107	0.7725968				
	0.7629130	0.7558773					0.7291	AVRG		6.0834
102)B Methyl methacrylate		0.1075130	0.1065311	0.1270431	0.1335925	0.1452848				
	0.1355885	0.1181133					0.1248	AVRG		11.7740
103)B 1,4-Dioxane		0.0026348	0.0023542	0.0029486	0.0027428	0.0028803				
	0.0026637	0.0025802					0.0027	AVRG	#	7.3567
104)B 2-Nitropropane		5584	9496	27636	59922	148663				
-0.0027 | 0.0676 | 0.00	380624	736486						LINR	#	0.9987
106)B Ethyl methacrylate		0.4843025	0.4870631	0.5916013	0.5836973	0.6301506				
	0.5800036	0.5048380					0.5517	AVRG		10.5925
108)B 1-Chlorohexane		0.5181869	0.6225675	0.5925845	0.7027766	0.6854172				
	0.7138371	0.6939557					0.6470	AVRG		11.1820
109)B cis-1,4-Dichloro-2-buten		0.1750642	0.1684081	0.2065031	0.1956895	0.2054650				
	0.1908117	0.1605088					0.1861	AVRG		9.8005
110)B Cyclohexanone		0.0179541	0.0180065	0.0211172	0.0189727	0.0200188				
	0.0192477	0.0171954					0.0189	AVRG		7.1154
111)B trans-1,4-Dichloro-2-but		0.1515505	0.1579306	0.1771138	0.1681043	0.1725417				
	0.1593345	0.1295711					0.1594	AVRG		9.9682

Response Factor Report VOA3
GEL Laboratories, LLC

Method File : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Last Update : Wed Oct 09 07:01:18 2013
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	8 6	1 7	2 9	3	4	5	Avg	Curve	Exp	%RSD/r2
112)B Pentachloroethane		0.3282414	0.3516747	0.3430067	0.3757243	0.3793800				
	0.3937370	0.3337905					0.3579	AVRG		7.0169
113)B Benzyl chloride		1.0679401	0.9324853	1.1098099	1.0958710	1.1215706				
	1.0597511	0.8729038					1.0372	AVRG		9.2515
114)B bis(2-Chloroisopropyl)et		0.2685875	0.2290976	0.2971987	0.2745587	0.2994609				
	0.2773498	0.2343422					0.2687	AVRG		10.3247

(#) = Out of Range ($) = Individual RF Out of Range
AVRG = Average, LINR = Linear Regression, 1/x = the inverse of concentration, 1/x^2 = the inverse square of concentration

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E202.D
Acq On : 08 Oct 2013 13:16
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-01|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD050 5ML - MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 14:26:58 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	932972	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	424566	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	507106	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	182766	51.37	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	945018	49.65	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	458702	49.68	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	372611	51.08	ug/L	100
3) Chloromethane	50	5.325	5.325	0.429	259464	49.24	ug/L	100
4) Vinyl chloride	62	5.643	5.643	0.455	303010	48.50	ug/L	100
5) Bromomethane	96	6.402	6.402	0.516	263095	52.92	ug/L	100
6) Chloroethane	64	6.627	6.627	0.534	231317	53.95	ug/L	100
7) Trichlorofluoromethane	101	7.196	7.196	0.580	734653	54.11	ug/L	100
8) Ethyl ether	59	7.647	7.647	0.617	192795	51.13	ug/L	100
9) Acetone	58	8.181	8.181	0.660	214989	261.38	ug/L	100
10) 1,1-Dichloroethylene	61	8.145	8.145	0.657	473396	50.18	ug/L	100
11) Iodomethane	142	8.442	8.442	0.681	2492615	230.50	ug/L	100
12) Acetonitrile	41	8.679	8.679	0.700	708537	1320.73	ug/L	100
13) Methyl acetate	74	8.702	8.702	0.702	149514	223.96	ug/L	100
14) Carbon disulfide	76	8.619	8.619	0.695	3752744	235.85	ug/L	100
15) Methylene chloride	84	8.940	8.940	0.721	282033	50.26	ug/L	100
16) tert-Butyl methyl ether	73	9.331	9.331	0.752	707263	49.45	ug/L	100
17) trans-1,2-Dichloroethy...	61	9.378	9.378	0.756	342315	46.95	ug/L	100
18) Hexane	57	9.746	9.746	0.786	354917	56.07	ug/L	100
19) Vinyl acetate	43	10.019	10.019	0.808	2054229	262.02	ug/L	100
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	413086	44.24	ug/L	100
21) 2-Butanone	72	10.837	10.837	0.874	178051	273.24	ug/L	100
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	254494	45.46	ug/L	100
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	416844	49.74	ug/L	100
24) Bromochloromethane	128	11.217	11.217	0.904	147906	45.49	ug/L	100
25) Chloroform	83	11.276	11.276	0.909	483029	46.46	ug/L	100
26) 1,1,1-Trichloroethane	97	11.584	11.584	0.934	478143	49.46	ug/L	100
27) Cyclohexane	56	11.679	11.679	0.942	374494	52.03	ug/L	100
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	300762	48.56	ug/L	100
29) Carbon tetrachloride	117	11.809	11.809	0.952	460508	49.59	ug/L	100
31) 1,2-Dichloroethane	62	12.082	12.082	0.974	346122	46.34	ug/L	100
32) Benzene	78	12.082	12.082	0.974	745346	45.31	ug/L	100
33) Cyclohexene	67	12.201	12.201	0.984	395970	51.75	ug/L	100
34) n-Butyl alcohol	56	12.580	12.580	1.014	615934	5533.63	ug/L	100
35) Trichloroethylene	95	12.853	12.853	1.036	237640	47.95	ug/L	100
36) 2-Pentanone	43	12.995	12.995	1.048	816681	270.46	ug/L	100
37) 1,2-Dichloropropane	63	13.161	13.161	1.061	196486	45.93	ug/L	100
38) Methylcyclohexane	83	13.126	13.126	1.058	416173	52.82	ug/L	100
39) Dibromomethane	93	13.315	13.315	1.074	165448	48.80	ug/L	100

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E202.D
Acq On : 08 Oct 2013 13:16
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-01|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD050 5ML - MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 14:26:58 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane	83	13.458	13.458	1.085	367788	50.69	ug/L	100
41) 2-Chloroethylvinyl ether	63	13.730	13.730	1.107	546152	260.28	ug/L	100
42) cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	357744	51.31	ug/L	100
44) 4-Methyl-2-pentanone	58	14.098	14.098	0.881	390520	249.68	ug/L	100
46) Toluene	91	14.406	14.406	0.900	818747	45.46	ug/L	100
47) trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	348067	49.23	ug/L	100
48) 1,1,2-Trichloroethane	83	14.845	14.845	0.927	160343	45.58	ug/L	100
49) 2-Hexanone	58	15.047	15.047	0.940	454135	262.07	ug/L	100
50) 1,3-Dichloropropane	76	15.059	15.059	0.941	293973	43.76	ug/L	100
51) Tetrachloroethylene	164	15.059	15.059	0.941	186210	45.39	ug/L	100
52) Dibromochloromethane	129	15.343	15.343	0.959	308600	49.61	ug/L	100
53) 1,2-Dibromoethane	107	15.521	15.521	0.970	234744	47.87	ug/L	100
54) Chlorobenzene	112	16.043	16.043	1.002	613360	46.17	ug/L	100
55) 1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	286479	47.81	ug/L	100
56) Ethylbenzene	91	16.114	16.114	1.007	967547	46.83	ug/L	100
57) m,p-Xylenes	106	16.233	16.233	1.014	784548	93.32	ug/L	100
58) o-Xylene	106	16.695	16.695	1.043	437844	48.99	ug/L	100
59) Styrene	104	16.695	16.695	1.043	678752	48.20	ug/L	100
61) Bromoform	173	16.980	16.980	0.914	193543	52.11	ug/L	100
62) Isopropylbenzene	105	17.075	17.075	0.920	1161729	49.70	ug/L	100
64) 1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	294765	47.10	ug/L	100
65) 1,2,3-Trichloropropane	75	17.466	17.466	0.941	275545	45.50	ug/L	100
66) Bromobenzene	156	17.502	17.502	0.943	313912	44.34	ug/L	100
67) n-Propylbenzene	91	17.513	17.513	0.943	1258140	47.09	ug/L	100
68) 1,3,5-Trimethylbenzene	105	17.668	17.668	0.951	980820	48.12	ug/L	100
69) 2-Chlorotoluene	126	17.668	17.668	0.951	308752	45.79	ug/L	100
70) 4-Chlorotoluene	91	17.774	17.774	0.957	871925	47.10	ug/L	100
71) tert-Butylbenzene	134	18.059	18.059	0.973	254732	53.68	ug/L	100
72) 1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	1049948	48.63	ug/L	100
73) sec-Butylbenzene	105	18.296	18.296	0.985	1478890	51.47	ug/L	100
74) 4-Isopropyltoluene	119	18.426	18.426	0.992	1290746	53.19	ug/L	100
75) 1,3-Dichlorobenzene	146	18.509	18.509	0.997	660766	44.63	ug/L	100
76) 1,4-Dichlorobenzene	146	18.604	18.604	1.002	607593	44.60	ug/L	100
77) n-Butylbenzene	91	18.901	18.901	1.018	1146737	52.17	ug/L	100
78) 1,2-Dichlorobenzene	146	19.055	19.055	1.026	665324	46.03	ug/L	100
79) 1,2-Dibromo-3-chloropr...	157	20.015	20.015	1.078	88600	52.86	ug/L	100
80) 1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	558759	47.96	ug/L	100
81) Hexachlorobutadiene	225	21.320	21.320	1.148	348519	51.06	ug/L	100
82) Naphthalene	128	21.581	21.581	1.162	1434288	49.57	ug/L	100
83) 1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	569319	48.60	ug/L	100
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		8.121	8.121	0.655	0m	N.D.	d	
89) Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.		
90) Allyl chloride		8.619	8.726	0.695	0m	N.D.	d	
91) tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.		
92) Acrylonitrile		9.331	9.331	0.752	0m	N.D.	d	
93) Isopropyl ether		10.019	10.031	0.808	0m	N.D.	d	
94) 2-Chloro-1,3-butadiene		10.185	10.173	0.821	0m	N.D.	d	
95) Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.		
96) Ethyl acetate		10.837	10.861	0.874	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E202.D
Acq On : 08 Oct 2013 13:16
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-01|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD050 5ML - MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 14:26:58 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
97)	Propionitrile		10.837	10.956	0.874	0m	N.D.	d
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.276	11.276	0.909	0m	N.D.	d
100)	Isobutyl alcohol		11.679	11.750	0.942	0m	N.D.	d
101)	Methyl tert-amyl ether		12.082	12.118	0.974	0m	N.D.	d
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		13.730	13.719	1.107	0m	N.D.	d
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		17.063	17.134	0.919	0m	N.D.	d
110)	Cyclohexanone		17.288	17.252	0.931	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		17.513	17.430	0.943	0m	N.D.	d
112)	Pentachloroethane		18.142	18.142	0.977	0m	N.D.	d
113)	Benzyl chloride		18.723	18.735	1.008	0m	N.D.	d
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

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Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E202.D
Acq On    : 08 Oct 2013  13:16
Operator  : CDS1
InstName  : VOA3
Sample    : |W3VM131008-01|ICAL|1|VOA|1|VOA8260BL|
Misc      : VSTD050 5ML - MIX[A]
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Oct 09 14:26:58 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title  : Volatile Organics 8260B                    SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE
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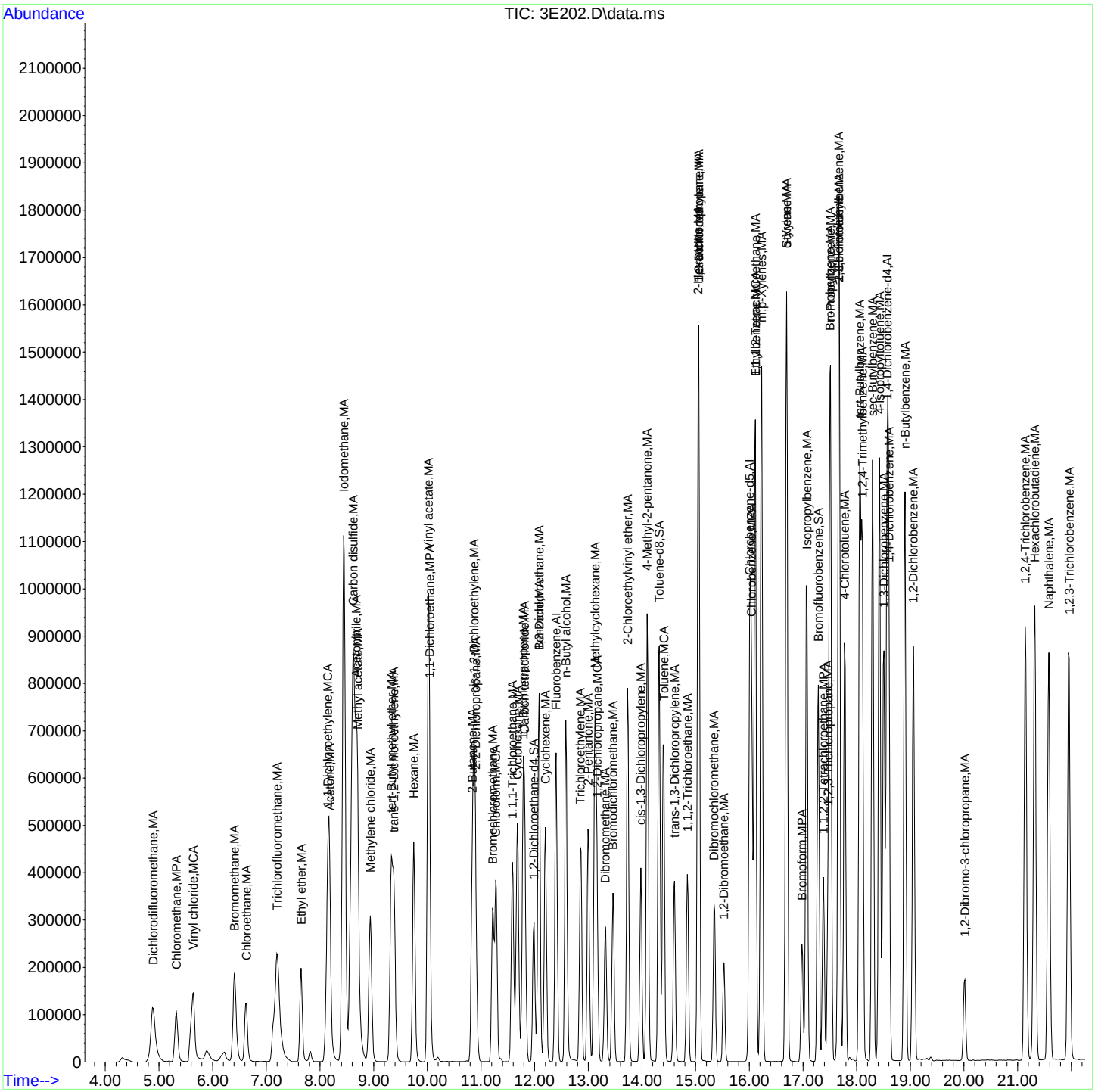

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E203.D
Acq On : 08 Oct 2013 13:45
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-02|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD080 5ML - MIX[A]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 14:27:02 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.403	12.402	1.000	1083525	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.008	16.007	1.000	502636	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	596448	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.403	12.402	1.000	0m	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.008	16.007	1.000	0m	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	199019	48.17	ug/L	0.00
45) Toluene-d8	98	14.324	14.323	0.895	1076148	47.76	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	547389	50.41	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	694139	81.94	ug/L	99
3) Chloromethane	50	5.325	5.325	0.429	472880	77.27	ug/L	99
4) Vinyl chloride	62	5.643	5.643	0.455	590937	81.44	ug/L	97
5) Bromomethane	96	6.426	6.402	0.518	484878	83.99	ug/L	99
6) Chloroethane	64	6.627	6.627	0.534	400858	80.50	ug/L	99
7) Trichlorofluoromethane	101	7.208	7.196	0.581	1285046	81.50	ug/L	100
8) Ethyl ether	59	7.647	7.647	0.617	365963	83.56	ug/L	97
9) Acetone	58	8.181	8.181	0.660	376185	394.51	ug/L	93
10) 1,1-Dichloroethylene	61	8.157	8.145	0.658	859747	78.47	ug/L	97
11) Iodomethane	142	8.454	8.442	0.682	4688148	373.30	ug/L	96
12) Acetonitrile	41	8.679	8.679	0.700	1193668	1941.37	ug/L	98
13) Methyl acetate	74	8.703	8.702	0.702	266006	343.09	ug/L	93
14) Carbon disulfide	76	8.632	8.619	0.696	6596346	356.95	ug/L	99
15) Methylene chloride	84	8.940	8.940	0.721	525112	82.27	ug/L	97
16) tert-Butyl methyl ether	73	9.331	9.331	0.752	1332045	80.19	ug/L	100
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	623839	73.67	ug/L	96
18) Hexane	57	9.758	9.746	0.787	608164	82.73	ug/L	93
19) Vinyl acetate	43	10.031	10.019	0.809	3548724	389.76	ug/L	97
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	745143	68.71	ug/L	98
21) 2-Butanone	72	10.837	10.837	0.874	321993	425.48	ug/L	88
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	481181	74.01	ug/L	95
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	748315	76.89	ug/L	96
24) Bromochloromethane	128	11.229	11.217	0.905	281667	74.59	ug/L	95
25) Chloroform	83	11.288	11.276	0.910	879261	72.81	ug/L	98
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	897502	79.94	ug/L	98
27) Cyclohexane	56	11.679	11.679	0.942	693597	82.98	ug/L	97
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	569362	79.15	ug/L	96
29) Carbon tetrachloride	117	11.821	11.809	0.953	845930	78.44	ug/L	98
31) 1,2-Dichloroethane	62	12.082	12.082	0.974	638418	73.60	ug/L	100
32) Benzene	78	12.082	12.082	0.974	1479870	77.47	ug/L	99
33) Cyclohexene	67	12.201	12.201	0.984	765768	86.18	ug/L	98
34) n-Butyl alcohol	56	12.592	12.580	1.015	1104468	8543.96	ug/L	96
35) Trichloroethylene	95	12.865	12.853	1.037	459058	79.76	ug/L	98
36) 2-Pentanone	43	12.995	12.995	1.048	1414199	403.27	ug/L	98
37) 1,2-Dichloropropane	63	13.161	13.161	1.061	375133	75.50	ug/L	98
38) Methylcyclohexane	83	13.126	13.126	1.058	785861	85.88	ug/L	96
39) Dibromomethane	93	13.327	13.315	1.075	313623	79.65	ug/L	98

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E203.D
Acq On : 08 Oct 2013 13:45
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-02|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD080 5ML - MIX[A]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 14:27:02 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane	83	13.458	13.458	1.085	683350	81.10	ug/L	99
41) 2-Chloroethylvinyl ether	63	13.731	13.730	1.107	1009535	414.26	ug/L	98
42) cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	692146	85.48	ug/L	97
44) 4-Methyl-2-pentanone	58	14.098	14.098	0.881	711902	384.46	ug/L	94
46) Toluene	91	14.407	14.406	0.900	1562954	73.29	ug/L	97
47) trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	686639	82.04	ug/L	97
48) 1,1,2-Trichloroethane	83	14.845	14.845	0.927	310025	74.45	ug/L	97
49) 2-Hexanone	58	15.059	15.047	0.941	779786	380.10	ug/L	96
50) 1,3-Dichloropropane	76	15.059	15.059	0.941	541957	68.15	ug/L	93
51) Tetrachloroethylene	164	15.059	15.059	0.941	356182	73.33	ug/L	98
52) Dibromochloromethane	129	15.355	15.343	0.959	629798	85.52	ug/L	99
53) 1,2-Dibromoethane	107	15.533	15.521	0.970	469613	80.89	ug/L	97
54) Chlorobenzene	112	16.043	16.043	1.002	1235595	78.56	ug/L	97
55) 1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	575761	81.17	ug/L	99
56) Ethylbenzene	91	16.114	16.114	1.007	1871100	76.50	ug/L	97
57) m,p-Xylenes	106	16.233	16.233	1.014	1642698	165.05	ug/L	93
58) o-Xylene	106	16.695	16.695	1.043	898975	84.96	ug/L	89
59) Styrene	104	16.695	16.695	1.043	1372910	82.36	ug/L	96
61) Bromoform	173	16.980	16.980	0.914	409978	93.85	ug/L	99
62) Isopropylbenzene	105	17.075	17.075	0.920	2264047	82.35	ug/L	98
64) 1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	559264	75.97	ug/L	100
65) 1,2,3-Trichloropropane	75	17.466	17.466	0.941	514460	72.23	ug/L	95
66) Bromobenzene	156	17.502	17.502	0.943	646095	77.59	ug/L	95
67) n-Propylbenzene	91	17.514	17.513	0.943	2492327	79.31	ug/L	97
68) 1,3,5-Trimethylbenzene	105	17.668	17.668	0.951	1949205	81.30	ug/L	96
69) 2-Chlorotoluene	126	17.680	17.668	0.952	660589	83.30	ug/L	88
70) 4-Chlorotoluene	91	17.774	17.774	0.957	1698597	78.02	ug/L	97
71) tert-Butylbenzene	134	18.059	18.059	0.973	514143	92.11	ug/L	89
72) 1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	2030120	79.94	ug/L	96
73) sec-Butylbenzene	105	18.296	18.296	0.985	2777152	82.17	ug/L	97
74) 4-Isopropyltoluene	119	18.427	18.426	0.992	2458719	86.15	ug/L	98
75) 1,3-Dichlorobenzene	146	18.510	18.509	0.997	1325721	76.12	ug/L	99
76) 1,4-Dichlorobenzene	146	18.605	18.604	1.002	1219410	76.10	ug/L	99
77) n-Butylbenzene	91	18.901	18.901	1.018	2186287	84.56	ug/L	96
78) 1,2-Dichlorobenzene	146	19.055	19.055	1.026	1324886	77.94	ug/L	98
79) 1,2-Dibromo-3-chloropr...	157	20.016	20.015	1.078	186429	94.56	ug/L	95
80) 1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	1128852	82.38	ug/L	96
81) Hexachlorobutadiene	225	21.320	21.320	1.148	665921	82.94	ug/L	99
82) Naphthalene	128	21.581	21.581	1.162	2862135	84.11	ug/L	99
83) 1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	1097099	79.63	ug/L	98
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		8.110	8.121	0.654	0m	N.D.	d	
89) Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.		
90) Allyl chloride		8.632	8.726	0.696	0m	N.D.	d	
91) tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.		
92) Acrylonitrile		9.331	9.331	0.752	0m	N.D.	d	
93) Isopropyl ether		10.031	10.031	0.809	0m	N.D.	d	
94) 2-Chloro-1,3-butadiene		10.197	10.173	0.822	0m	N.D.	d	
95) Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.		
96) Ethyl acetate		10.837	10.861	0.874	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E203.D
Acq On : 08 Oct 2013 13:45
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-02|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD080 5ML - MIX[A]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 14:27:02 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
97)	Propionitrile		10.849	10.956	0.875	0m	N.D.	d
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.288	11.276	0.910	0m	N.D.	d
100)	Isobutyl alcohol		11.679	11.750	0.942	0m	N.D.	d
101)	Methyl tert-amyl ether		12.082	12.118	0.974	0m	N.D.	d
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		13.327	13.280	1.075	0m	N.D.	d
104)	2-Nitropropane		13.731	13.719	1.107	0m	N.D.	d
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		17.063	17.134	0.919	0m	N.D.	d
110)	Cyclohexanone		17.276	17.252	0.930	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		17.514	17.430	0.943	0m	N.D.	d
112)	Pentachloroethane		18.142	18.142	0.977	0m	N.D.	d
113)	Benzyl chloride		18.688	18.735	1.006	0m	N.D.	d
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

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Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E203.D
Acq On    : 08 Oct 2013  13:45
Operator  : CDS1
InstName  : VOA3
Sample    : |W3VM131008-02|ICAL|1|VOA|1|VOA8260BL|
Misc      : VSTD080 5ML - MIX[A]
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Oct 09 14:27:02 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title  : Volatile Organics 8260B                    SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE
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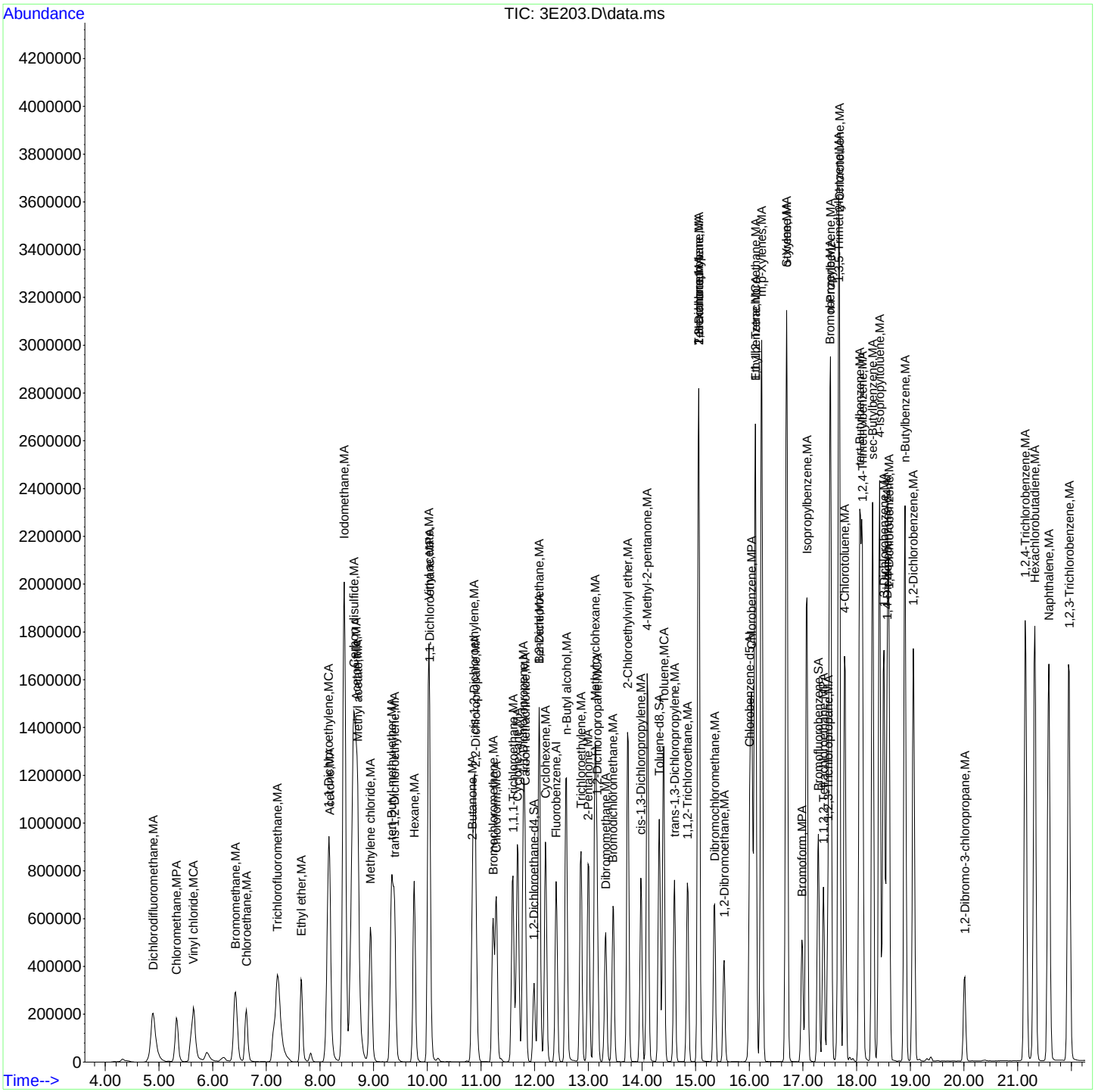

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E204.D
Acq On : 08 Oct 2013 14:14
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-03|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD100 5ML - MIX[A]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 14:27:06 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	1201307	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	526805	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	632054	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	216340	47.22	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	1189636	50.37	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	568639	49.41	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	806875	85.91	ug/L	99
3) Chloromethane	50	5.325	5.325	0.429	582454	85.85	ug/L	99
4) Vinyl chloride	62	5.643	5.643	0.455	724296	90.03	ug/L	99
5) Bromomethane	96	6.414	6.402	0.517	648144	101.26	ug/L	98 A
6) Chloroethane	64	6.627	6.627	0.534	521280	94.42	ug/L	98
7) Trichlorofluoromethane	101	7.208	7.196	0.581	1544595	88.36	ug/L	99
8) Ethyl ether	59	7.647	7.647	0.617	490639	101.05	ug/L	95 A
9) Acetone	58	8.181	8.181	0.660	460404	435.64	ug/L	88 A
10) 1,1-Dichloroethylene	61	8.157	8.145	0.658	1030944	84.87	ug/L	94
11) Iodomethane	142	8.453	8.442	0.682	6153902	441.96	ug/L	92
12) Acetonitrile	41	8.679	8.679	0.700	1529006	2251.74	ug/L	98 A
13) Methyl acetate	74	8.702	8.702	0.702	358951	417.58	ug/L #	86
14) Carbon disulfide	76	8.631	8.619	0.696	8198440	400.15	ug/L	98
15) Methylene chloride	84	8.940	8.940	0.721	689546	97.96	ug/L	93
16) tert-Butyl methyl ether	73	9.331	9.331	0.752	1747426	94.89	ug/L	100
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	778474	82.91	ug/L	93
18) Hexane	57	9.758	9.746	0.787	774644	95.04	ug/L	91
19) Vinyl acetate	43	10.031	10.019	0.809	4315479	427.50	ug/L	95
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	915144	76.11	ug/L	99
21) 2-Butanone	72	10.849	10.837	0.875	414256	493.72	ug/L #	79
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	625164	86.72	ug/L	91
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	904975	83.87	ug/L	93
24) Bromochloromethane	128	11.228	11.217	0.905	372883	89.06	ug/L	91
25) Chloroform	83	11.288	11.276	0.910	1081613	80.79	ug/L	97
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	1064896	85.55	ug/L	97
27) Cyclohexane	56	11.679	11.679	0.942	830343	89.60	ug/L	95
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	680165	85.28	ug/L	93
29) Carbon tetrachloride	117	11.821	11.809	0.953	997455	83.42	ug/L	97
31) 1,2-Dichloroethane	62	12.082	12.082	0.974	776302	80.72	ug/L	99
32) Benzene	78	12.082	12.082	0.974	1794157	84.71	ug/L	98
33) Cyclohexene	67	12.201	12.201	0.984	921439	93.53	ug/L	96
34) n-Butyl alcohol	56	12.592	12.580	1.015	1434009	10005.59	ug/L	92 A
35) Trichloroethylene	95	12.865	12.853	1.037	557780	87.41	ug/L	96
36) 2-Pentanone	43	13.007	12.995	1.049	1671281	429.85	ug/L	95
37) 1,2-Dichloropropane	63	13.161	13.161	1.061	461049	83.69	ug/L	97
38) Methylcyclohexane	83	13.126	13.126	1.058	969043	95.52	ug/L	94
39) Dibromomethane	93	13.327	13.315	1.075	393392	90.11	ug/L	94

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E204.D
Acq On : 08 Oct 2013 14:14
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-03|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD100 5ML - MIX[A]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 14:27:06 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		
40) Bromodichloromethane	83	13.458	13.458	1.085	858827	91.93	ug/L	99	
41) 2-Chloroethylvinyl ether	63	13.742	13.730	1.108	1280255	473.84	ug/L	96	
42) cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	892666	99.43	ug/L	95	
44) 4-Methyl-2-pentanone	58	14.098	14.098	0.881	863753	445.07	ug/L	90	
46) Toluene	91	14.406	14.406	0.900	1961726	87.77	ug/L	96	
47) trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	857723	97.78	ug/L	95	
48) 1,1,2-Trichloroethane	83	14.845	14.845	0.927	387566	88.80	ug/L	98	
49) 2-Hexanone	58	15.059	15.047	0.941	948748	441.24	ug/L	93	
50) 1,3-Dichloropropane	76	15.059	15.059	0.941	678666	81.42	ug/L	89	
51) Tetrachloroethylene	164	15.059	15.059	0.941	437466	85.94	ug/L	98	
52) Dibromochloromethane	129	15.355	15.343	0.959	797689	103.35	ug/L	97	A
53) 1,2-Dibromoethane	107	15.533	15.521	0.970	589298	96.85	ug/L	98	
54) Chlorobenzene	112	16.043	16.043	1.002	1499077	90.94	ug/L	95	
55) 1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	694450	93.41	ug/L	97	
56) Ethylbenzene	91	16.114	16.114	1.007	2115438	82.53	ug/L	97	
57) m,p-Xylenes	106	16.233	16.233	1.014	1899668	182.11	ug/L	90	
58) o-Xylene	106	16.695	16.695	1.043	1068443	96.34	ug/L	87	
59) Styrene	104	16.695	16.695	1.043	1640444	93.89	ug/L	94	
61) Bromoform	173	16.980	16.980	0.914	511179	110.42	ug/L	98	A
62) Isopropylbenzene	105	17.075	17.075	0.920	2609529	89.57	ug/L	96	
64) 1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	694005	88.97	ug/L	99	
65) 1,2,3-Trichloropropane	75	17.466	17.466	0.941	619486	82.08	ug/L	99	
66) Bromobenzene	156	17.502	17.502	0.943	779433	88.33	ug/L	92	
67) n-Propylbenzene	91	17.513	17.513	0.943	2757195	82.80	ug/L	97	
68) 1,3,5-Trimethylbenzene	105	17.668	17.668	0.951	2249819	88.55	ug/L	96	
69) 2-Chlorotoluene	126	17.679	17.668	0.952	785254	93.45	ug/L #	83	
70) 4-Chlorotoluene	91	17.774	17.774	0.957	1949334	84.49	ug/L	96	
71) tert-Butylbenzene	134	18.059	18.059	0.973	607189	102.65	ug/L	88	A
72) 1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	2389687	88.80	ug/L	95	
73) sec-Butylbenzene	105	18.296	18.296	0.985	3218296	89.86	ug/L	96	
74) 4-Isopropyltoluene	119	18.426	18.426	0.992	2778371	91.87	ug/L	97	
75) 1,3-Dichlorobenzene	146	18.509	18.509	0.997	1528579	82.83	ug/L	98	
76) 1,4-Dichlorobenzene	146	18.604	18.604	1.002	1474817	86.85	ug/L	98	
77) n-Butylbenzene	91	18.901	18.901	1.018	2462149	89.87	ug/L	95	
78) 1,2-Dichlorobenzene	146	19.055	19.055	1.026	1583894	87.93	ug/L	97	
79) 1,2-Dibromo-3-chloropr...	157	20.015	20.015	1.078	233226	111.64	ug/L	95	A
80) 1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	1363392	93.89	ug/L	97	
81) Hexachlorobutadiene	225	21.320	21.320	1.148	782317	91.95	ug/L	99	
82) Naphthalene	128	21.581	21.581	1.162	3641661	100.99	ug/L	99	A
83) 1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	1378213	94.40	ug/L	99	
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.			
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.			
87) Acrolein		0.000	7.932	0.000	0	N.D.			
88) Trichlorotrifluoroethane		8.133	8.121	0.656	0m	N.D. d			
89) Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.			
90) Allyl chloride		8.631	8.726	0.696	0m	N.D. d			
91) tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.			
92) Acrylonitrile		9.331	9.331	0.752	0m	N.D. d			
93) Isopropyl ether		10.019	10.031	0.808	0m	N.D. d			
94) 2-Chloro-1,3-butadiene		10.197	10.173	0.822	0m	N.D. d			
95) Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.			
96) Ethyl acetate		10.837	10.861	0.874	0m	N.D. d			

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E204.D
Acq On : 08 Oct 2013 14:14
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-03|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD100 5ML - MIX[A]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 14:27:06 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
97)	Propionitrile		10.837	10.956	0.874	0m	N.D.	d
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.288	11.276	0.910	0m	N.D.	d
100)	Isobutyl alcohol		11.679	11.750	0.942	0m	N.D.	d
101)	Methyl tert-amyl ether		12.082	12.118	0.974	0m	N.D.	d
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		13.327	13.280	1.075	0m	N.D.	d
104)	2-Nitropropane		13.730	13.719	1.107	0m	N.D.	d
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		17.063	17.134	0.919	0m	N.D.	d
110)	Cyclohexanone		17.276	17.252	0.930	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		17.513	17.430	0.943	0m	N.D.	d
112)	Pentachloroethane		18.142	18.142	0.977	0m	N.D.	d
113)	Benzyl chloride		18.782	18.735	1.011	0m	N.D.	d
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

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Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E204.D
Acq On    : 08 Oct 2013  14:14
Operator  : CDS1
InstName  : VOA3
Sample    : |W3VM131008-03|ICAL|1|VOA|1|VOA8260BL|
Misc      : VSTD100 5ML - MIX[A]
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: Oct 09 14:27:06 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title  : Volatile Organics 8260B                    SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE
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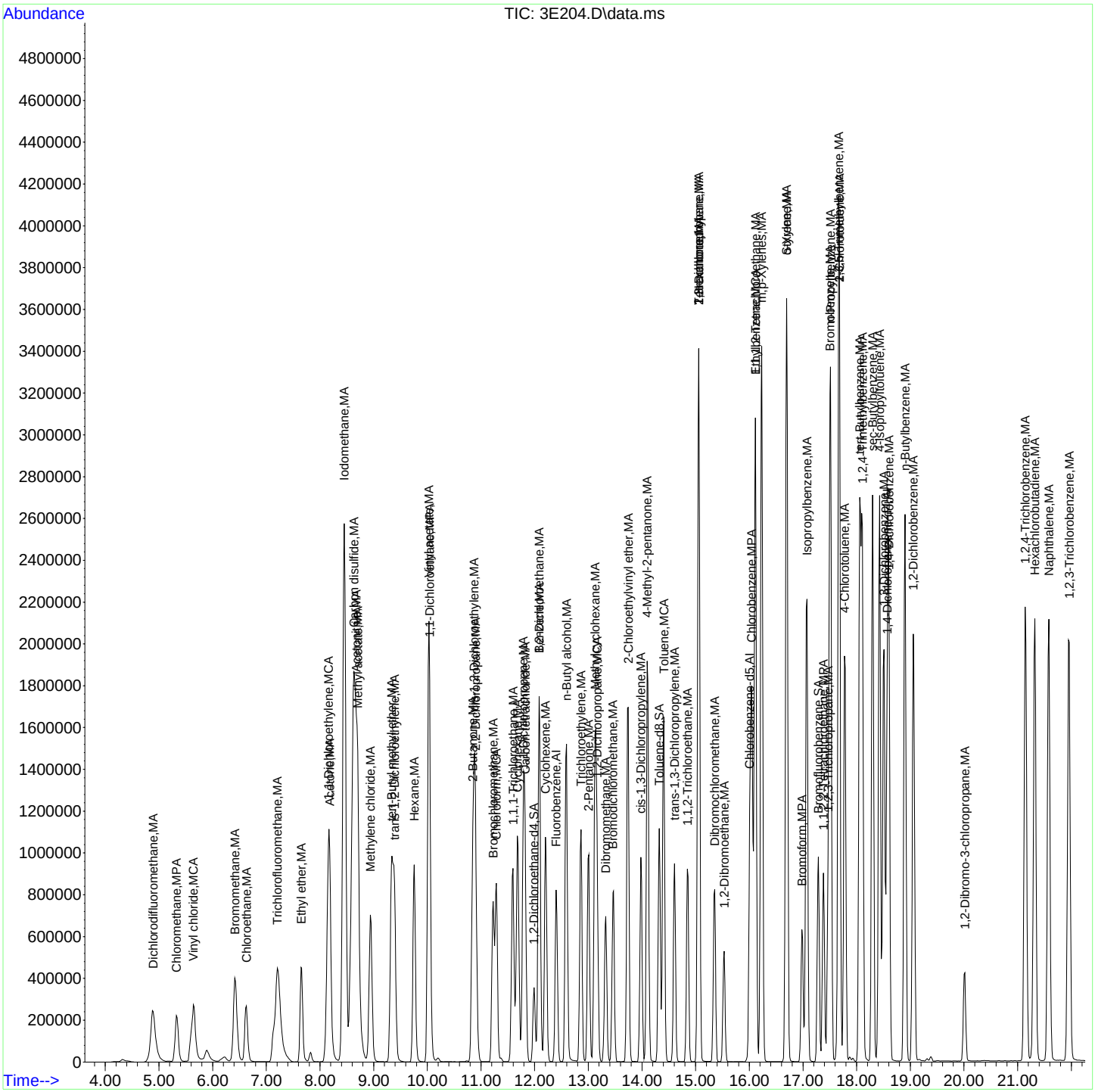


Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E206.D
Acq On : 08 Oct 2013 15:12
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-04|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD0005 5ML - MIX[A] 0930-01B+0917-01
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 14:27:14 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) Fluorobenzene	96	12.402	12.402	1.000	1183440	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	503384	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	625641	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	219732	48.69	ug/L	0.00
45) Toluene-d8	98	14.324	14.323	0.895	1120902	49.67	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	561845	49.32	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		0.000	4.894	0.000	0	N.D.		
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride		0.000	5.643	0.000	0	N.D.		
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		0.000	7.647	0.000	0	N.D.		
9) Acetone	58	8.193	8.181	0.661	3189	N.D.		
10) 1,1-Dichloroethylene	61	8.133	8.145	0.656	6492	0.54	ug/L	97
11) Iodomethane	142	8.442	8.442	0.681	43020	3.14	ug/L	99
12) Acetonitrile	41	8.703	8.679	0.702	14308	Below Cal	#	61
13) Methyl acetate	74	8.714	8.702	0.703	1950	2.30	ug/L #	96
14) Carbon disulfide	76	8.631	8.619	0.696	66441	3.29	ug/L	97
15) Methylene chloride	84	8.940	8.940	0.721	12433	Below Cal		98
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	9426	0.52	ug/L	94
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	6072	0.66	ug/L	88
18) Hexane	57	9.758	9.746	0.787	1817	N.D.		
19) Vinyl acetate		0.000	10.019	0.000	0	N.D.		
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	6996	0.59	ug/L	95
21) 2-Butanone	72	10.849	10.837	0.875	1976	2.39	ug/L	98
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	3797	0.53	ug/L	97
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	6802	0.64	ug/L	99
24) Bromochloromethane	128	11.228	11.217	0.905	1843	0.45	ug/L	85
25) Chloroform	83	11.288	11.276	0.910	8001	0.61	ug/L	100
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	7011	0.57	ug/L	92
27) Cyclohexane	56	11.679	11.679	0.942	5956	0.65	ug/L	85
28) 1,1-Dichloropropene	75	11.798	11.786	0.951	4662	0.59	ug/L	87
29) Carbon tetrachloride	117	11.821	11.809	0.953	7509	0.64	ug/L	96
31) 1,2-Dichloroethane	62	12.094	12.082	0.975	5132	0.54	ug/L	82
32) Benzene	78	12.082	12.082	0.974	11454	0.55	ug/L #	76
33) Cyclohexene	67	12.201	12.201	0.984	5414	0.56	ug/L	86
34) n-Butyl alcohol	56	12.592	12.580	1.015	5901	41.79	ug/L	94
35) Trichloroethylene	95	12.865	12.853	1.037	4005	0.64	ug/L	95
36) 2-Pentanone	43	13.007	12.995	1.049	4452	N.D.		
37) 1,2-Dichloropropane	63	13.161	13.161	1.061	2528	0.47	ug/L	97
38) Methylcyclohexane	83	13.126	13.126	1.058	5055	0.51	ug/L	97
39) Dibromomethane	93	13.327	13.315	1.075	2104	0.49	ug/L	98

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E206.D
Acq On : 08 Oct 2013 15:12
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-04|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD0005 5ML - MIX[A] 0930-01B+0917-01
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 14:27:14 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane	83	13.458	13.458	1.085	4940	0.54	ug/L #	92
41) 2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42) cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	4755	0.54	ug/L	87
44) 4-Methyl-2-pentanone	58	14.110	14.098	0.881	3660	1.97	ug/L #	56
46) Toluene	91	14.407	14.406	0.900	12621	0.59	ug/L	92
47) trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	4840	0.58	ug/L	93
48) 1,1,2-Trichloroethane	83	14.857	14.845	0.928	3010	0.72	ug/L	76
49) 2-Hexanone	58	15.059	15.047	0.941	5019	2.44	ug/L	86
50) 1,3-Dichloropropane	76	15.059	15.059	0.941	5136	0.64	ug/L	90
51) Tetrachloroethylene	164	15.059	15.059	0.941	3031	0.62	ug/L	90
52) Dibromochloromethane	129	15.355	15.343	0.959	3605	0.49	ug/L	86
53) 1,2-Dibromoethane	107	15.533	15.521	0.970	3045	0.52	ug/L	96
54) Chlorobenzene	112	16.043	16.043	1.002	11186	0.71	ug/L #	38
55) 1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	3853	0.54	ug/L	97
56) Ethylbenzene	91	16.114	16.114	1.007	16733	0.68	ug/L	96
57) m,p-Xylenes	106	16.233	16.233	1.014	12492	1.25	ug/L #	78
58) o-Xylene	106	16.695	16.695	1.043	5745	0.54	ug/L	89
59) Styrene	104	16.695	16.695	1.043	9771	0.59	ug/L	91
61) Bromoform	173	16.992	16.980	0.915	2102	0.46	ug/L	98
62) Isopropylbenzene	105	17.075	17.075	0.920	15751	0.55	ug/L	96
64) 1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	4247	0.55	ug/L	96
65) 1,2,3-Trichloropropane	75	17.478	17.466	0.941	4820	0.65	ug/L	90
66) Bromobenzene	156	17.502	17.502	0.943	5641	0.65	ug/L	96
67) n-Propylbenzene	91	17.513	17.513	0.943	20752	0.63	ug/L	96
68) 1,3,5-Trimethylbenzene	105	17.668	17.668	0.951	14819	0.59	ug/L	86
69) 2-Chlorotoluene	126	17.680	17.668	0.952	5262	0.63	ug/L	92
70) 4-Chlorotoluene	91	17.774	17.774	0.957	15527	0.68	ug/L	95
71) tert-Butylbenzene	134	18.059	18.059	0.973	3070	0.52	ug/L	95
72) 1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	14876	0.56	ug/L	90
73) sec-Butylbenzene	105	18.296	18.296	0.985	18874	0.53	ug/L	93
74) 4-Isopropyltoluene	119	18.427	18.426	0.992	15870	0.53	ug/L	97
75) 1,3-Dichlorobenzene	146	18.510	18.509	0.997	14809	0.81	ug/L	96
76) 1,4-Dichlorobenzene	146	18.604	18.604	1.002	13793	0.82	ug/L #	50
77) n-Butylbenzene	91	18.901	18.901	1.018	15266	0.56	ug/L	96
78) 1,2-Dichlorobenzene	146	19.055	19.055	1.026	13203	0.74	ug/L	93
79) 1,2-Dibromo-3-chloropr...	157	20.016	20.015	1.078	383	N.D.		
80) 1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	10591	0.74	ug/L	91
81) Hexachlorobutadiene	225	21.320	21.320	1.148	5363	0.64	ug/L	94
82) Naphthalene	128	21.581	21.581	1.162	24342	0.68	ug/L	95
83) 1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	9955	0.69	ug/L	97
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		0.000	8.121	0.000	0	N.D.		
89) Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.		
90) Allyl chloride		8.631	8.726	0.696	0m	N.D.	d	
91) tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.		
92) Acrylonitrile		0.000	9.331	0.000	0	N.D.		
93) Isopropyl ether		0.000	10.031	0.000	0	N.D.		
94) 2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95) Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.		
96) Ethyl acetate		10.849	10.861	0.875	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E206.D
Acq On : 08 Oct 2013 15:12
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-04|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD0005 5ML - MIX[A] 0930-01B+0917-01
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 14:27:14 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

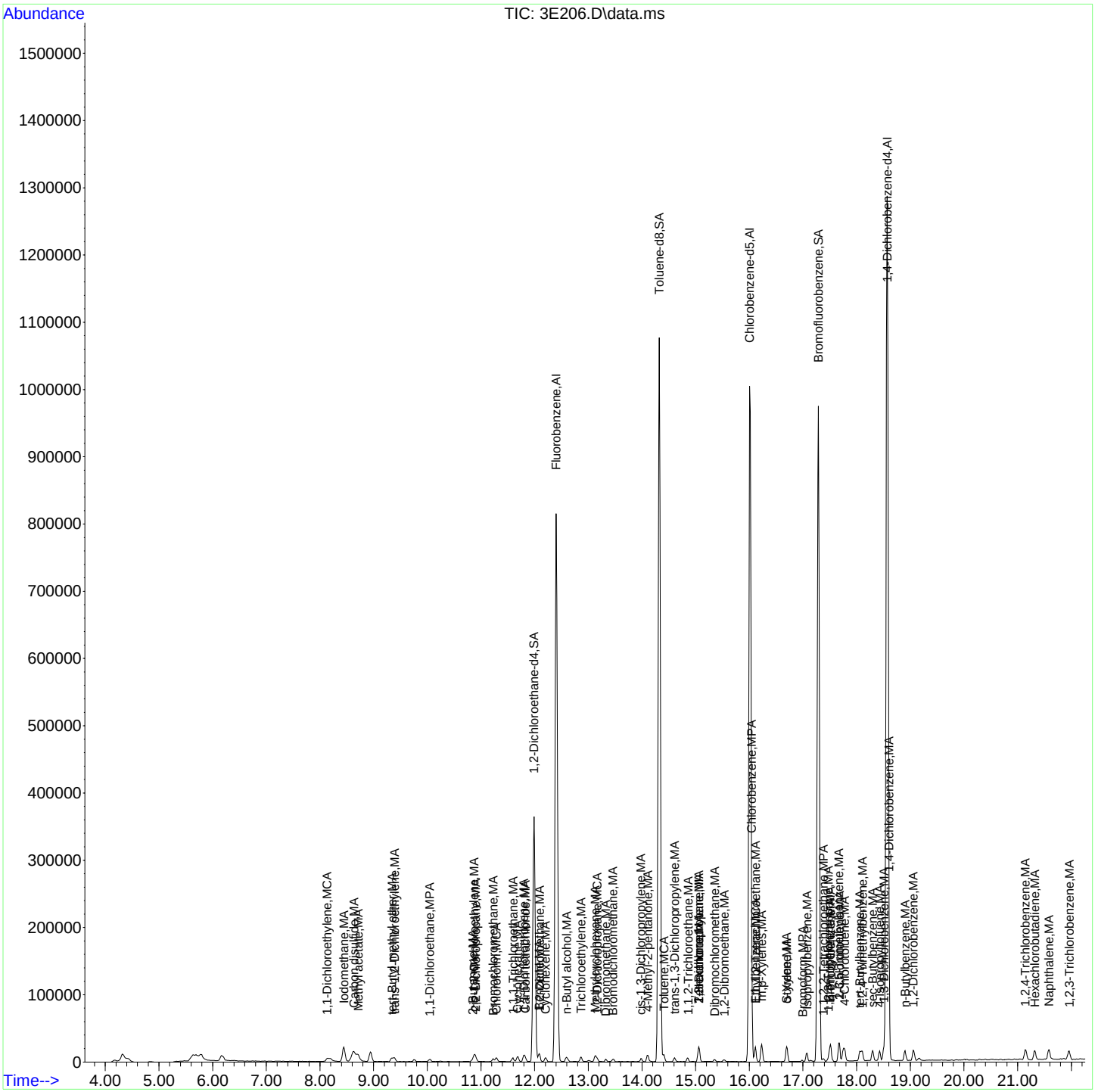
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
97)	Propionitrile		0.000	10.956	0.000	0	N.D.	
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		0.000	11.276	0.000	0	N.D.	
100)	Isobutyl alcohol		0.000	11.750	0.000	0	N.D.	
101)	Methyl tert-amyl ether		0.000	12.118	0.000	0	N.D.	
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		0.000	13.719	0.000	0	N.D.	
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		0.000	17.134	0.000	0	N.D.	
110)	Cyclohexanone		17.276	17.252	0.930	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		0.000	17.430	0.000	0	N.D.	
112)	Pentachloroethane		0.000	18.142	0.000	0	N.D.	
113)	Benzyl chloride		0.000	18.735	0.000	0	N.D.	
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E206.D
Acq On : 08 Oct 2013 15:12
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-04|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD0005 5ML - MIX[A] 0930-01B+0917-01
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 14:27:14 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E207.D
Acq On : 08 Oct 2013 15:41
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-05|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD001 5ML - MIX[A] 0925-01A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 14:27:18 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	1091214	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	445304	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	514506	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	214778	51.61	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	1030606	51.63	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	467476	49.90	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	9745	1.14	ug/L	84
3) Chloromethane	50	5.310	5.325	0.428	7312	1.19	ug/L	98
4) Vinyl chloride	62	5.631	5.643	0.454	8412	1.15	ug/L	67
5) Bromomethane	96	6.402	6.402	0.516	6376	1.10	ug/L	100
6) Chloroethane	64	6.627	6.627	0.534	5381	1.07	ug/L	87
7) Trichlorofluoromethane	101	7.208	7.196	0.581	17891	1.13	ug/L	91
8) Ethyl ether	59	7.659	7.647	0.618	4233	0.96	ug/L	96
9) Acetone	58	8.193	8.181	0.661	7576	6.53	ug/L	88
10) 1,1-Dichloroethylene	61	8.133	8.145	0.656	12291	1.11	ug/L	99
11) Iodomethane	142	8.442	8.442	0.681	74687	5.91	ug/L	99
12) Acetonitrile	41	8.691	8.679	0.701	26519	Below Cal		84
13) Methyl acetate	74	8.714	8.702	0.703	4967	6.36	ug/L #	85
14) Carbon disulfide	76	8.631	8.619	0.696	115449	6.20	ug/L	98
15) Methylene chloride	84	8.952	8.940	0.722	16106	Below Cal		98
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	18653	1.12	ug/L	98
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	9775	1.15	ug/L	92
18) Hexane	57	9.746	9.746	0.786	428	N.D.		
19) Vinyl acetate	43	10.031	10.019	0.809	47568	5.19	ug/L	97
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	13028	1.19	ug/L	93
21) 2-Butanone	72	10.849	10.837	0.875	3744	4.91	ug/L #	66
22) cis-1,2-Dichloroethylene	96	10.884	10.873	0.878	7904	1.21	ug/L	96
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	11651	1.19	ug/L	94
24) Bromochloromethane	128	11.228	11.217	0.905	4646	1.22	ug/L #	81
25) Chloroform	83	11.288	11.276	0.910	14372	1.18	ug/L	98
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	12821	1.13	ug/L	96
27) Cyclohexane	56	11.679	11.679	0.942	8615	1.02	ug/L	98
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	8297	1.15	ug/L	93
29) Carbon tetrachloride	117	11.821	11.809	0.953	13415	1.24	ug/L	91
31) 1,2-Dichloroethane	62	12.094	12.082	0.975	9905	1.13	ug/L	97
32) Benzene	78	12.082	12.082	0.974	22199	1.15	ug/L #	78
33) Cyclohexene	67	12.201	12.201	0.984	9427	1.05	ug/L	97
34) n-Butyl alcohol	56	12.592	12.580	1.015	12712	97.64	ug/L	89
35) Trichloroethylene	95	12.865	12.853	1.037	6564	1.13	ug/L	93
36) 2-Pentanone	43	13.019	12.995	1.050	184	N.D.		
37) 1,2-Dichloropropane	63	13.161	13.161	1.061	6002	1.20	ug/L	94
38) Methylcyclohexane	83	13.126	13.126	1.058	8795	0.95	ug/L	91
39) Dibromomethane	93	13.327	13.315	1.075	4210	1.06	ug/L	94

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E207.D
Acq On : 08 Oct 2013 15:41
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-05|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD001 5ML - MIX[A] 0925-01A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 14:27:18 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane	83	13.470	13.458	1.086	9091	1.07	ug/L	96
41) 2-Chloroethylvinyl ether	63	13.742	13.730	1.108	10891	4.44	ug/L	93
42) cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	7778	0.95	ug/L	95
44) 4-Methyl-2-pentanone	58	14.110	14.098	0.881	8692	5.30	ug/L	99
46) Toluene	91	14.406	14.406	0.900	23690	1.25	ug/L	92
47) trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	7794	1.05	ug/L	93
48) 1,1,2-Trichloroethane	83	14.845	14.845	0.927	4206	1.14	ug/L	93
49) 2-Hexanone	58	15.059	15.047	0.941	9608	5.29	ug/L	95
50) 1,3-Dichloropropane	76	15.059	15.059	0.941	8657	1.23	ug/L	98
51) Tetrachloroethylene	164	15.059	15.059	0.941	5412	1.26	ug/L	95
52) Dibromochloromethane	129	15.355	15.343	0.959	6528	1.00	ug/L	100
53) 1,2-Dibromoethane	107	15.533	15.521	0.970	5799	1.13	ug/L	95
54) Chlorobenzene	112	16.043	16.043	1.002	16595	1.19	ug/L #	62
55) 1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	6756	1.08	ug/L	91
56) Ethylbenzene	91	16.114	16.114	1.007	25019	1.15	ug/L	98
57) m,p-Xylenes	106	16.233	16.233	1.014	19391	2.20	ug/L	84
58) o-Xylene	106	16.695	16.695	1.043	9551	1.02	ug/L	87
59) Styrene	104	16.707	16.695	1.044	14354	0.97	ug/L	98
61) Bromoform	173	16.992	16.980	0.915	3556	0.94	ug/L	92
62) Isopropylbenzene	105	17.075	17.075	0.920	25865	1.09	ug/L	93
64) 1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	7469	1.18	ug/L	94
65) 1,2,3-Trichloropropane	75	17.478	17.466	0.941	8053	1.31	ug/L	97
66) Bromobenzene	156	17.502	17.502	0.943	8700	1.21	ug/L	94
67) n-Propylbenzene	91	17.513	17.513	0.943	30423	1.12	ug/L	93
68) 1,3,5-Trimethylbenzene	105	17.679	17.668	0.952	21781	1.05	ug/L	88
69) 2-Chlorotoluene	126	17.679	17.668	0.952	7774	1.14	ug/L	93
70) 4-Chlorotoluene	91	17.786	17.774	0.958	21696	1.16	ug/L	97
71) tert-Butylbenzene	134	18.059	18.059	0.973	4691	0.97	ug/L	93
72) 1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	22540	1.03	ug/L	91
73) sec-Butylbenzene	105	18.296	18.296	0.985	31532	1.08	ug/L	92
74) 4-Isopropyltoluene	119	18.426	18.426	0.992	24056	0.98	ug/L	98
75) 1,3-Dichlorobenzene	146	18.509	18.509	0.997	19506	1.30	ug/L	90
76) 1,4-Dichlorobenzene	146	18.604	18.604	1.002	18264	1.32	ug/L #	74
77) n-Butylbenzene	91	18.901	18.901	1.018	22777	1.02	ug/L	92
78) 1,2-Dichlorobenzene	146	19.067	19.055	1.027	17051	1.16	ug/L	97
79) 1,2-Dibromo-3-chloropr...	157	20.015	20.015	1.078	1557	0.92	ug/L	82
80) 1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	14370	1.22	ug/L	94
81) Hexachlorobutadiene	225	21.320	21.320	1.148	7929	1.14	ug/L	93
82) Naphthalene	128	21.581	21.581	1.162	32351	1.10	ug/L	97
83) 1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	14315	1.20	ug/L	97
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		8.110	8.121	0.654	0m	N.D. d		
89) Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.		
90) Allyl chloride		8.631	8.726	0.696	0m	N.D. d		
91) tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.		
92) Acrylonitrile		0.000	9.331	0.000	0	N.D.		
93) Isopropyl ether		0.000	10.031	0.000	0	N.D.		
94) 2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95) Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.		
96) Ethyl acetate		10.849	10.861	0.875	0m	N.D. d		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E207.D
Acq On : 08 Oct 2013 15:41
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-05|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD001 5ML - MIX[A] 0925-01A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 14:27:18 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

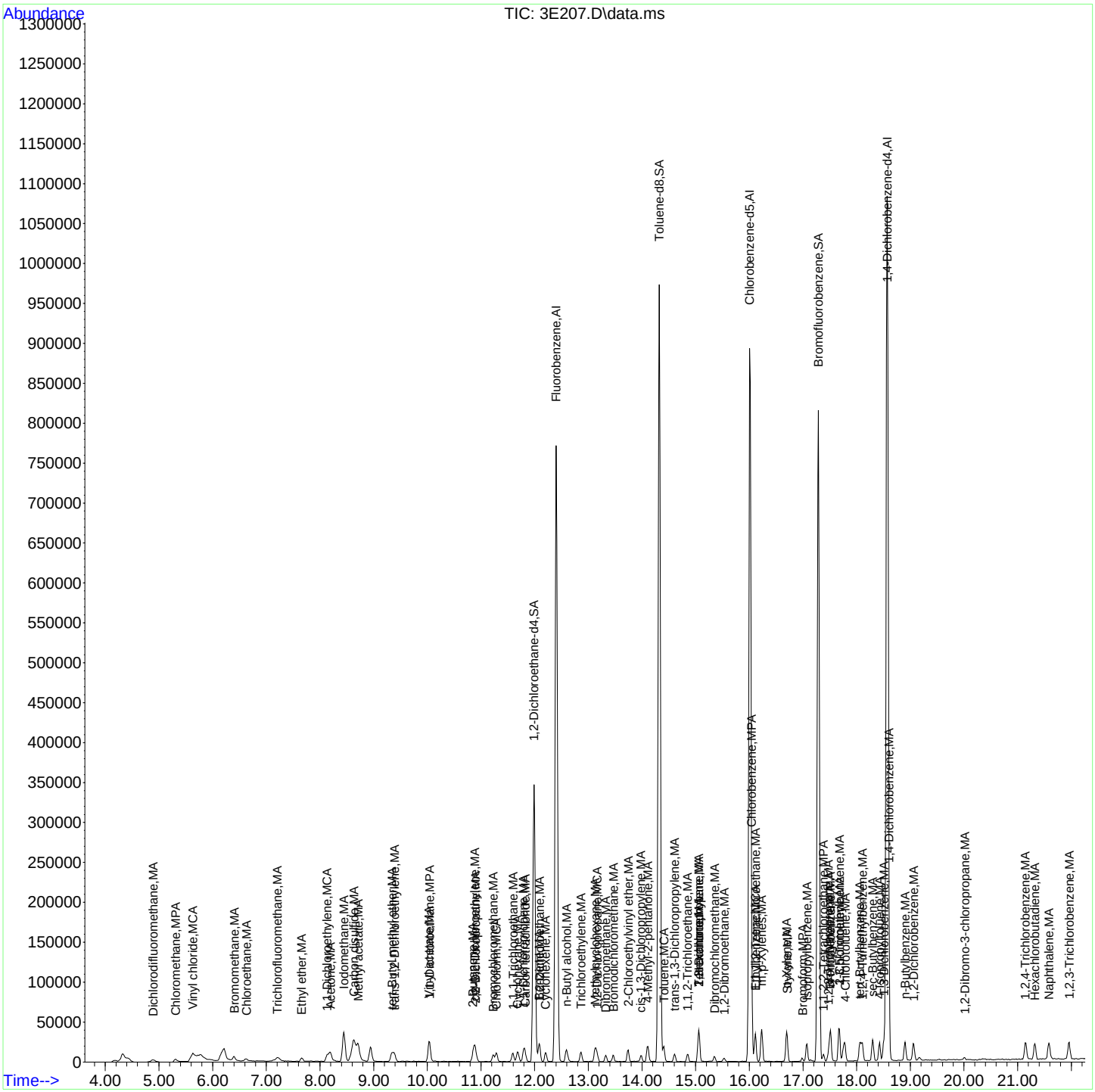
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
97)	Propionitrile		0.000	10.956	0.000	0	N.D.	
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.276	11.276	0.909	0m	N.D.	d
100)	Isobutyl alcohol		11.691	11.750	0.943	0m	N.D.	d
101)	Methyl tert-amyl ether		0.000	12.118	0.000	0	N.D.	
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		13.742	13.719	1.108	0m	N.D.	d
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		0.000	17.134	0.000	0	N.D.	
110)	Cyclohexanone		17.276	17.252	0.930	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		0.000	17.430	0.000	0	N.D.	
112)	Pentachloroethane		0.000	18.142	0.000	0	N.D.	
113)	Benzyl chloride		0.000	18.735	0.000	0	N.D.	
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E207.D
Acq On : 08 Oct 2013 15:41
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-05|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD001 5ML - MIX[A] 0925-01A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 14:27:18 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E208.D
Acq On : 08 Oct 2013 16:10
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-06|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD002 5ML - MIX[A]
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 14:27:21 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	1050372	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	463487	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	565741	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	204038	50.94	ug/L	0.00
45) Toluene-d8	98	14.324	14.323	0.895	1049833	50.53	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	508901	49.41	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	17129	2.09	ug/L	96
3) Chloromethane	50	5.310	5.325	0.428	12957	2.18	ug/L	99
4) Vinyl chloride	62	5.631	5.643	0.454	14423	2.05	ug/L	90
5) Bromomethane	96	6.390	6.402	0.515	10158	1.82	ug/L	90
6) Chloroethane	64	6.616	6.627	0.533	9077	1.88	ug/L	96
7) Trichlorofluoromethane	101	7.197	7.196	0.580	28936	1.89	ug/L	99
8) Ethyl ether	59	7.659	7.647	0.618	7648	1.80	ug/L	87
9) Acetone	58	8.193	8.181	0.661	9487	8.92	ug/L #	74
10) 1,1-Dichloroethylene	61	8.145	8.145	0.657	21806	2.05	ug/L	94
11) Iodomethane	142	8.442	8.442	0.681	131125	10.77	ug/L	99
12) Acetonitrile	41	8.691	8.679	0.701	39175	11.03	ug/L	88
13) Methyl acetate	74	8.714	8.702	0.703	7818	10.40	ug/L #	86
14) Carbon disulfide	76	8.620	8.619	0.695	197665	11.03	ug/L	100
15) Methylene chloride	84	8.940	8.940	0.721	22869	1.02	ug/L	98
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	30085	1.87	ug/L	94
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	18147	2.21	ug/L	96
18) Hexane	57	9.758	9.746	0.787	14716	2.07	ug/L	96
19) Vinyl acetate	43	10.031	10.019	0.809	78270	8.87	ug/L	98
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	22614	2.15	ug/L	98
21) 2-Butanone	72	10.849	10.837	0.875	6674	9.10	ug/L	97
22) cis-1,2-Dichloroethylene	96	10.885	10.873	0.878	13230	2.10	ug/L	97
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	20541	2.18	ug/L	98
24) Bromochloromethane	128	11.229	11.217	0.905	7597	2.08	ug/L	98
25) Chloroform	83	11.288	11.276	0.910	25650	2.19	ug/L	99
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	22695	2.09	ug/L	99
27) Cyclohexane	56	11.679	11.679	0.942	16888	2.08	ug/L	93
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	14147	2.03	ug/L	97
29) Carbon tetrachloride	117	11.821	11.809	0.953	20995	2.01	ug/L	96
31) 1,2-Dichloroethane	62	12.094	12.082	0.975	17991	2.14	ug/L	100
32) Benzene	78	12.082	12.082	0.974	40176	2.17	ug/L	97
33) Cyclohexene	67	12.201	12.201	0.984	16408	1.90	ug/L	96
34) n-Butyl alcohol	56	12.592	12.580	1.015	22704	181.18	ug/L	97
35) Trichloroethylene	95	12.865	12.853	1.037	10891	1.95	ug/L	95
36) 2-Pentanone	43	13.007	12.995	1.049	34128	10.04	ug/L	92
37) 1,2-Dichloropropane	63	13.161	13.161	1.061	10118	2.10	ug/L	96
38) Methylcyclohexane	83	13.126	13.126	1.058	17361	1.96	ug/L	95
39) Dibromomethane	93	13.327	13.315	1.075	7114	1.86	ug/L	92

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E208.D
Acq On : 08 Oct 2013 16:10
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-06|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD002 5ML - MIX[A]
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 14:27:21 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane	83	13.470	13.458	1.086	16323	2.00	ug/L	94
41) 2-Chloroethylvinyl ether	63	13.743	13.730	1.108	19790	8.38	ug/L	99
42) cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	14549	1.85	ug/L	96
44) 4-Methyl-2-pentanone	58	14.110	14.098	0.881	14968	8.77	ug/L #	79
46) Toluene	91	14.407	14.406	0.900	41279	2.10	ug/L	96
47) trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	15117	1.96	ug/L	98
48) 1,1,2-Trichloroethane	83	14.845	14.845	0.927	7694	2.00	ug/L	99
49) 2-Hexanone	58	15.059	15.047	0.941	17791	9.40	ug/L	94
50) 1,3-Dichloropropane	76	15.059	15.059	0.941	15931	2.17	ug/L	94
51) Tetrachloroethylene	164	15.059	15.059	0.941	9563	2.14	ug/L	99
52) Dibromochloromethane	129	15.355	15.343	0.959	12860	1.89	ug/L	99
53) 1,2-Dibromoethane	107	15.533	15.521	0.970	10436	1.95	ug/L	96
54) Chlorobenzene	112	16.043	16.043	1.002	29267	2.02	ug/L	75
55) 1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	13308	2.03	ug/L	99
56) Ethylbenzene	91	16.114	16.114	1.007	46805	2.08	ug/L	94
57) m,p-Xylenes	106	16.233	16.233	1.014	37022	4.03	ug/L	88
58) o-Xylene	106	16.695	16.695	1.043	18785	1.93	ug/L	89
59) Styrene	104	16.695	16.695	1.043	30638	1.99	ug/L	99
61) Bromoform	173	16.980	16.980	0.914	7044	1.70	ug/L	90
62) Isopropylbenzene	105	17.075	17.075	0.920	48729	1.87	ug/L	95
64) 1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	13449	1.93	ug/L	96
65) 1,2,3-Trichloropropane	75	17.478	17.466	0.941	13775	2.04	ug/L	89
66) Bromobenzene	156	17.502	17.502	0.943	15712	1.99	ug/L	90
67) n-Propylbenzene	91	17.514	17.513	0.943	61427	2.06	ug/L	95
68) 1,3,5-Trimethylbenzene	105	17.668	17.668	0.951	43946	1.93	ug/L	97
69) 2-Chlorotoluene	126	17.680	17.668	0.952	15027	2.00	ug/L	85
70) 4-Chlorotoluene	91	17.774	17.774	0.957	42315	2.05	ug/L	96
71) tert-Butylbenzene	134	18.059	18.059	0.973	8843	1.67	ug/L #	76
72) 1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	48229	2.00	ug/L	92
73) sec-Butylbenzene	105	18.296	18.296	0.985	60551	1.89	ug/L	96
74) 4-Isopropyltoluene	119	18.427	18.426	0.992	48920	1.81	ug/L	96
75) 1,3-Dichlorobenzene	146	18.510	18.509	0.997	35875	2.17	ug/L	96
76) 1,4-Dichlorobenzene	146	18.604	18.604	1.002	31528	2.07	ug/L	86
77) n-Butylbenzene	91	18.901	18.901	1.018	44842	1.83	ug/L	96
78) 1,2-Dichlorobenzene	146	19.067	19.055	1.027	33860	2.10	ug/L	98
79) 1,2-Dibromo-3-chloropr...	157	20.016	20.015	1.078	3110	1.66	ug/L	83
80) 1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	26523	2.04	ug/L	90
81) Hexachlorobutadiene	225	21.320	21.320	1.148	14562	1.91	ug/L	98
82) Naphthalene	128	21.581	21.581	1.162	57654	1.79	ug/L	97
83) 1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	25555	1.96	ug/L	93
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		0.000	8.121	0.000	0	N.D.		
89) Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.		
90) Allyl chloride		8.620	8.726	0.695	0m	N.D.	d	
91) tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.		
92) Acrylonitrile		0.000	9.331	0.000	0	N.D.		
93) Isopropyl ether		10.031	10.031	0.809	0m	N.D.	d	
94) 2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95) Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.		
96) Ethyl acetate		10.849	10.861	0.875	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E208.D
Acq On : 08 Oct 2013 16:10
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-06|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD002 5ML - MIX[A]
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 14:27:21 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
97)	Propionitrile		0.000	10.956	0.000	0	N.D.	
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.288	11.276	0.910	0m	N.D.	d
100)	Isobutyl alcohol		11.691	11.750	0.943	0m	N.D.	d
101)	Methyl tert-amyl ether		0.000	12.118	0.000	0	N.D.	
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		13.743	13.719	1.108	0m	N.D.	d
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		0.000	17.134	0.000	0	N.D.	
110)	Cyclohexanone		17.276	17.252	0.930	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		0.000	17.430	0.000	0	N.D.	
112)	Pentachloroethane		0.000	18.142	0.000	0	N.D.	
113)	Benzyl chloride		0.000	18.735	0.000	0	N.D.	
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

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Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E208.D
Acq On    : 08 Oct 2013  16:10
Operator  : CDS1
InstName  : VOA3
Sample    : |W3VM131008-06|ICAL|1|VOA|1|VOA8260BL|
Misc      : VSTD002 5ML - MIX[A]
ALS Vial  : 8   Sample Multiplier: 1

Quant Time: Oct 09 14:27:21 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title  : Volatile Organics 8260B                    SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE
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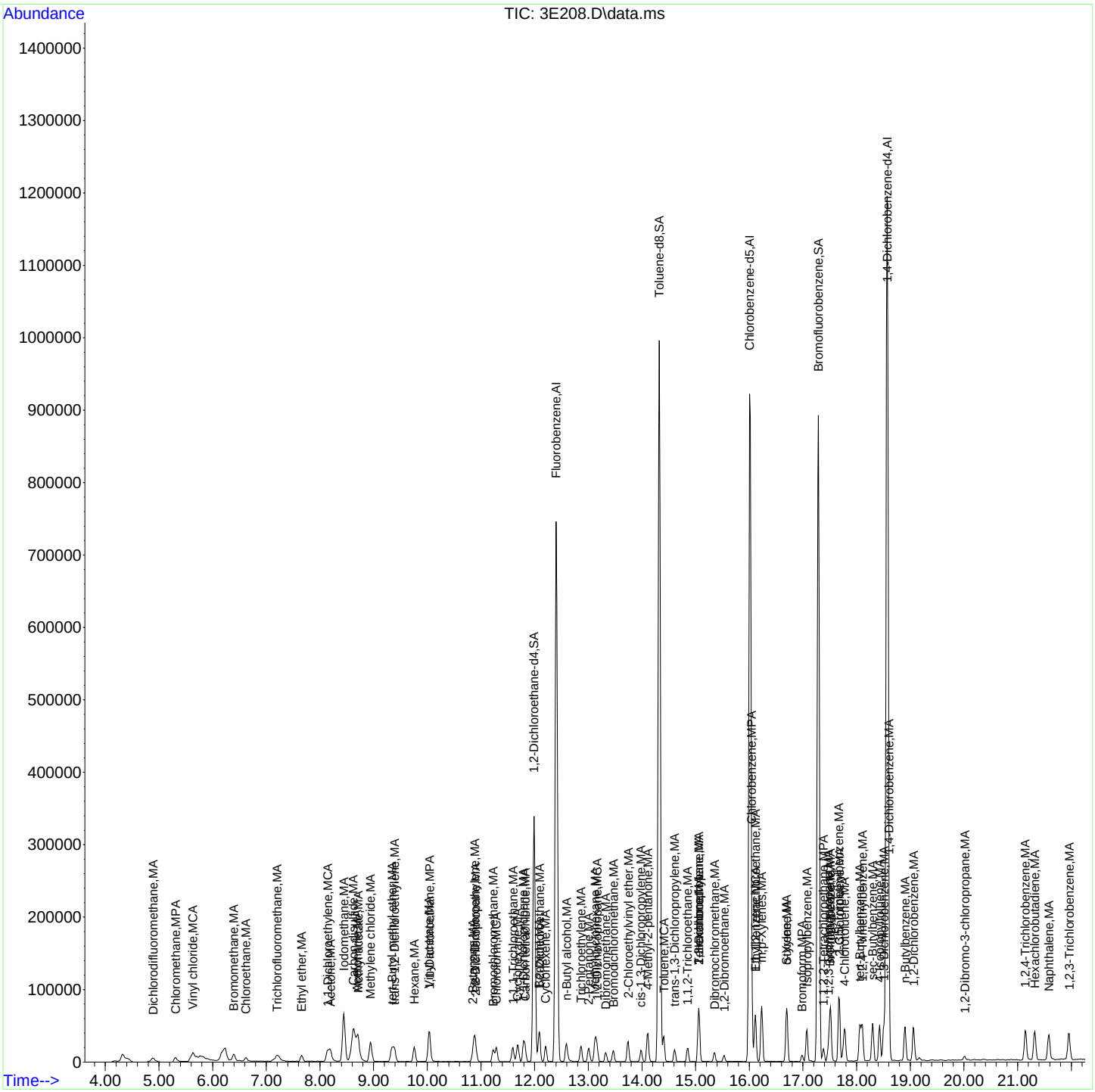


Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E209.D
Acq On : 08 Oct 2013 16:39
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-07|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD005 5ML - MIX[A]
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 14:27:26 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	1016472	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	455181	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	537725	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	200154	51.64	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	998170	48.92	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	501469	51.22	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	41179	5.18	ug/L	97
3) Chloromethane	50	5.310	5.325	0.428	30348	5.29	ug/L	99
4) Vinyl chloride	62	5.631	5.643	0.454	37657	5.53	ug/L	98
5) Bromomethane	96	6.390	6.402	0.515	27862	5.14	ug/L	100
6) Chloroethane	64	6.615	6.627	0.533	24640	5.27	ug/L	99
7) Trichlorofluoromethane	101	7.208	7.196	0.581	78566	5.31	ug/L	100
8) Ethyl ether	59	7.659	7.647	0.618	21914	5.33	ug/L	97
9) Acetone	58	8.193	8.181	0.661	24070	25.62	ug/L	98
10) 1,1-Dichloroethylene	61	8.145	8.145	0.657	51825	5.04	ug/L	97
11) Iodomethane	142	8.442	8.442	0.681	313025	26.57	ug/L	100
12) Acetonitrile	41	8.691	8.679	0.701	94501	112.00	ug/L	95
13) Methyl acetate	74	8.714	8.702	0.703	19726	27.12	ug/L	95
14) Carbon disulfide	76	8.631	8.619	0.696	460853	26.58	ug/L	100
15) Methylene chloride	84	8.940	8.940	0.721	44119	4.82	ug/L	99
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	77945	5.00	ug/L	95
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	42907	5.40	ug/L	98
18) Hexane	57	9.758	9.746	0.787	32739	4.75	ug/L	96
19) Vinyl acetate	43	10.031	10.019	0.809	230205	26.95	ug/L	98
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	56149	5.52	ug/L	99
21) 2-Butanone	72	10.849	10.837	0.875	15824	22.29	ug/L #	81
22) cis-1,2-Dichloroethylene	96	10.884	10.873	0.878	32075	5.26	ug/L	98
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	48090	5.27	ug/L	95
24) Bromochloromethane	128	11.228	11.217	0.905	18503	5.22	ug/L	98
25) Chloroform	83	11.288	11.276	0.910	62962	5.56	ug/L	98
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	56452	5.36	ug/L	97
27) Cyclohexane	56	11.679	11.679	0.942	39439	5.03	ug/L	99
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	36415	5.40	ug/L	98
29) Carbon tetrachloride	117	11.821	11.809	0.953	54423	5.38	ug/L	97
31) 1,2-Dichloroethane	62	12.094	12.082	0.975	46072	5.66	ug/L	97
32) Benzene	78	12.082	12.082	0.974	98152	5.48	ug/L	100
33) Cyclohexene	67	12.213	12.201	0.985	40783	4.89	ug/L	98
34) n-Butyl alcohol	56	12.592	12.580	1.015	61691	508.71	ug/L	95
35) Trichloroethylene	95	12.865	12.853	1.037	29359	5.44	ug/L	97
36) 2-Pentanone	43	13.007	12.995	1.049	78389	23.83	ug/L	97
37) 1,2-Dichloropropane	63	13.161	13.161	1.061	25886	5.55	ug/L	98
38) Methylcyclohexane	83	13.126	13.126	1.058	44349	5.17	ug/L	95
39) Dibromomethane	93	13.327	13.315	1.075	20481	5.54	ug/L	97

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E209.D
Acq On : 08 Oct 2013 16:39
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-07|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD005 5ML - MIX[A]
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 14:27:26 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane	83	13.470	13.458	1.086	40438	5.12	ug/L	99
41) 2-Chloroethylvinyl ether	63	13.742	13.730	1.108	56763	24.83	ug/L	98
42) cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	39933	5.26	ug/L	97
44) 4-Methyl-2-pentanone	58	14.110	14.098	0.881	44992	26.83	ug/L	98
46) Toluene	91	14.406	14.406	0.900	96808	5.01	ug/L	100
47) trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	35689	4.71	ug/L	98
48) 1,1,2-Trichloroethane	83	14.845	14.845	0.927	19825	5.26	ug/L	99
49) 2-Hexanone	58	15.059	15.047	0.941	46292	24.92	ug/L	95
50) 1,3-Dichloropropane	76	15.059	15.059	0.941	39303	5.46	ug/L	99
51) Tetrachloroethylene	164	15.059	15.059	0.941	23300	5.30	ug/L	100
52) Dibromochloromethane	129	15.355	15.343	0.959	32471	4.87	ug/L	99
53) 1,2-Dibromoethane	107	15.533	15.521	0.970	26205	4.98	ug/L	100
54) Chlorobenzene	112	16.043	16.043	1.002	73291	5.15	ug/L	90
55) 1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	33347	5.19	ug/L	97
56) Ethylbenzene	91	16.114	16.114	1.007	121036	5.46	ug/L	95
57) m,p-Xylenes	106	16.233	16.233	1.014	95217	10.56	ug/L	86
58) o-Xylene	106	16.695	16.695	1.043	48230	5.03	ug/L	85
59) Styrene	104	16.707	16.695	1.044	78579	5.21	ug/L	99
61) Bromoform	173	16.980	16.980	0.914	18199	4.62	ug/L	99
62) Isopropylbenzene	105	17.075	17.075	0.920	130659	5.27	ug/L	96
64) 1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	34435	5.19	ug/L	96
65) 1,2,3-Trichloropropane	75	17.478	17.466	0.941	33960	5.29	ug/L	92
66) Bromobenzene	156	17.502	17.502	0.943	39995	5.33	ug/L	96
67) n-Propylbenzene	91	17.513	17.513	0.943	155690	5.50	ug/L	95
68) 1,3,5-Trimethylbenzene	105	17.668	17.668	0.951	118229	5.47	ug/L	98
69) 2-Chlorotoluene	126	17.679	17.668	0.952	38447	5.38	ug/L	86
70) 4-Chlorotoluene	91	17.786	17.774	0.958	107252	5.46	ug/L	96
71) tert-Butylbenzene	134	18.059	18.059	0.973	23936	4.76	ug/L #	84
72) 1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	125400	5.48	ug/L	92
73) sec-Butylbenzene	105	18.296	18.296	0.985	157522	5.17	ug/L	96
74) 4-Isopropyltoluene	119	18.427	18.426	0.992	135532	5.27	ug/L	97
75) 1,3-Dichlorobenzene	146	18.510	18.509	0.997	83085	5.29	ug/L	99
76) 1,4-Dichlorobenzene	146	18.604	18.604	1.002	76264	5.28	ug/L	96
77) n-Butylbenzene	91	18.901	18.901	1.018	123702	5.31	ug/L	96
78) 1,2-Dichlorobenzene	146	19.067	19.055	1.027	80849	5.28	ug/L	99
79) 1,2-Dibromo-3-chloropr...	157	20.016	20.015	1.078	7994	4.50	ug/L	97
80) 1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	59608	4.82	ug/L	98
81) Hexachlorobutadiene	225	21.320	21.320	1.148	36610	5.06	ug/L	97
82) Naphthalene	128	21.581	21.581	1.162	140667	4.59	ug/L	99
83) 1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	60767	4.89	ug/L	99
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		8.121	8.121	0.655	0m	N.D.	d	
89) Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.		
90) Allyl chloride		8.631	8.726	0.696	0m	N.D.	d	
91) tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.		
92) Acrylonitrile		9.343	9.331	0.753	0m	N.D.	d	
93) Isopropyl ether		10.031	10.031	0.809	0m	N.D.	d	
94) 2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95) Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.		
96) Ethyl acetate		10.849	10.861	0.875	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E209.D
Acq On : 08 Oct 2013 16:39
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-07|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD005 5ML - MIX[A]
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 14:27:26 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

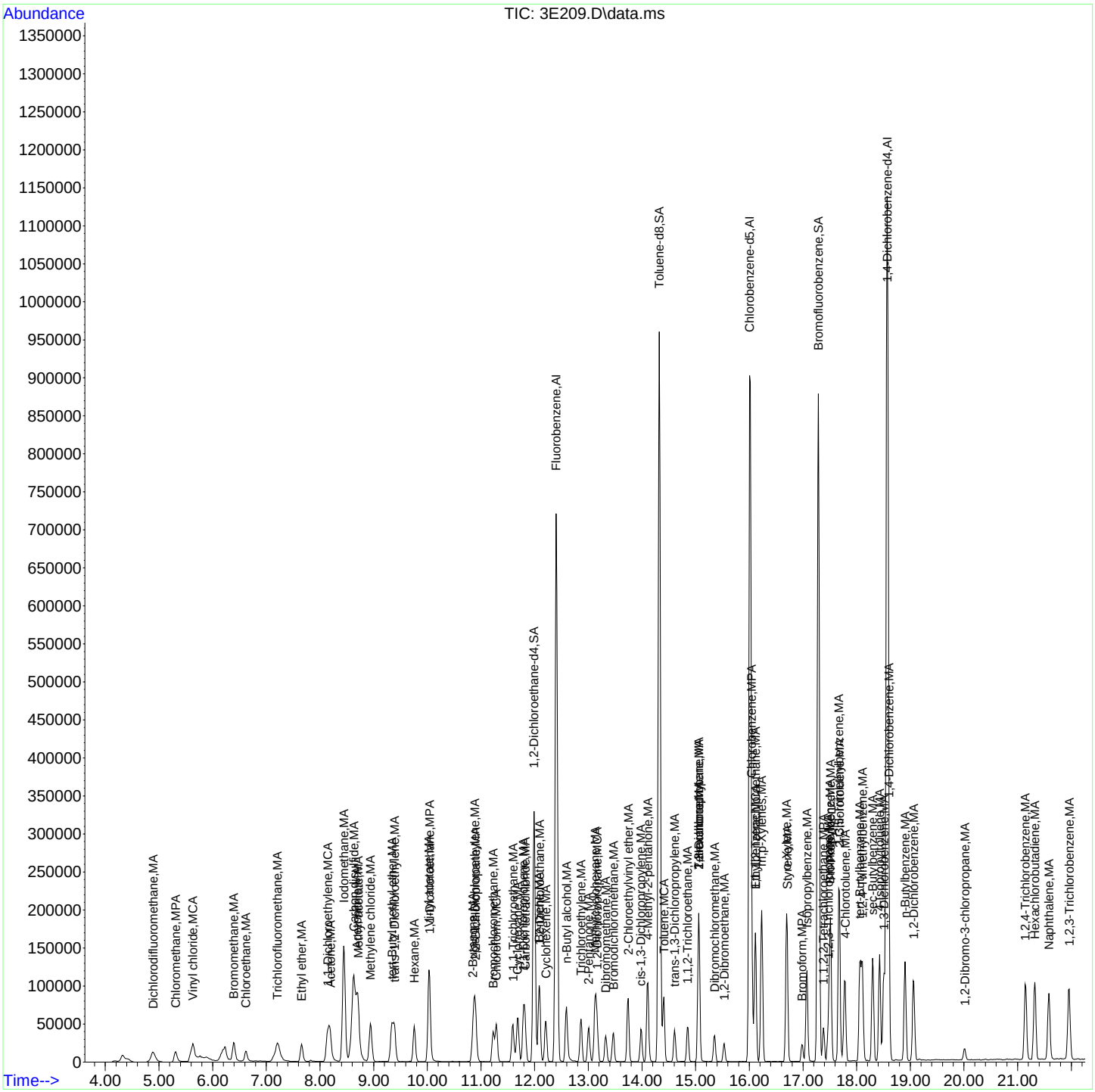
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
97)	Propionitrile		0.000	10.956	0.000	0	N.D.	
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.288	11.276	0.910	0m	N.D.	d
100)	Isobutyl alcohol		11.691	11.750	0.943	0m	N.D.	d
101)	Methyl tert-amyl ether		12.082	12.118	0.974	0m	N.D.	d
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		13.742	13.719	1.108	0m	N.D.	d
106)	Ethyl methacrylate		14.608	14.608	0.913	0m	N.D.	d
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		17.075	17.134	0.920	0m	N.D.	d
110)	Cyclohexanone		17.288	17.252	0.931	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		0.000	17.430	0.000	0	N.D.	
112)	Pentachloroethane		18.142	18.142	0.977	0m	N.D.	d
113)	Benzyl chloride		18.735	18.735	1.009	0m	N.D.	d
114)	bis(2-Chloroisopropyl)...		19.162	19.150	1.032	0m	N.D.	d

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E209.D
Acq On : 08 Oct 2013 16:39
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-07|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD005 5ML - MIX[A]
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 09 14:27:26 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E210.D
Acq On : 08 Oct 2013 17:07
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-08|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD010 5ML - MIX[A]
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 14:27:30 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	1045388	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	448007	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	531791	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	196827	49.37	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	1007944	50.19	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	471971	48.75	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	78325	9.58	ug/L	97
3) Chloromethane	50	5.310	5.325	0.428	55574	9.41	ug/L	99
4) Vinyl chloride	62	5.631	5.643	0.454	64725	9.25	ug/L	100
5) Bromomethane	96	6.390	6.402	0.515	51380	9.22	ug/L	99
6) Chloroethane	64	6.615	6.627	0.533	45414	9.45	ug/L	97
7) Trichlorofluoromethane	101	7.208	7.196	0.581	147417	9.69	ug/L	100
8) Ethyl ether	59	7.659	7.647	0.618	41700	9.87	ug/L	95
9) Acetone	58	8.193	8.181	0.661	46496	49.34	ug/L	96
10) 1,1-Dichloroethylene	61	8.145	8.145	0.657	111060	10.51	ug/L	100
11) Iodomethane	142	8.442	8.442	0.681	605237	49.95	ug/L	100
12) Acetonitrile	41	8.691	8.679	0.701	189073	271.40	ug/L	99
13) Methyl acetate	74	8.714	8.702	0.703	38406	51.34	ug/L	99
14) Carbon disulfide	76	8.619	8.619	0.695	913459	51.23	ug/L	99
15) Methylene chloride	84	8.940	8.940	0.721	76782	10.09	ug/L	100
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	162897	10.16	ug/L	99
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	83216	10.19	ug/L	97
18) Hexane	57	9.758	9.746	0.787	68225	9.62	ug/L	99
19) Vinyl acetate	43	10.031	10.019	0.809	464306	52.86	ug/L	99
20) 1,1-Dichloroethane	63	10.042	10.043	0.810	103502	9.89	ug/L	99
21) 2-Butanone	72	10.849	10.837	0.875	37834	51.82	ug/L	98
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	64404	10.27	ug/L	97
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	93050	9.91	ug/L	98
24) Bromochloromethane	128	11.228	11.217	0.905	36531	10.03	ug/L	96
25) Chloroform	83	11.288	11.276	0.910	117147	10.06	ug/L	99
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	106319	9.82	ug/L	98
27) Cyclohexane	56	11.691	11.679	0.943	80044	9.93	ug/L	97
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	68549	9.88	ug/L	99
29) Carbon tetrachloride	117	11.821	11.809	0.953	100805	9.69	ug/L	100
31) 1,2-Dichloroethane	62	12.094	12.082	0.975	85828	10.26	ug/L	97
32) Benzene	78	12.082	12.082	0.974	182347	9.89	ug/L	99
33) Cyclohexene	67	12.201	12.201	0.984	87379	10.19	ug/L	95
34) n-Butyl alcohol	56	12.592	12.580	1.015	137669	1103.83	ug/L	95
35) Trichloroethylene	95	12.865	12.853	1.037	54753	9.86	ug/L	100
36) 2-Pentanone	43	13.007	12.995	1.049	175098	51.75	ug/L	99
37) 1,2-Dichloropropane	63	13.161	13.161	1.061	47946	10.00	ug/L	98
38) Methylcyclohexane	83	13.126	13.126	1.058	88394	10.01	ug/L	97
39) Dibromomethane	93	13.327	13.315	1.075	38206	10.06	ug/L	98

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E210.D
Acq On : 08 Oct 2013 17:07
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-08|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD010 5ML - MIX[A]
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 14:27:30 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane	83	13.470	13.458	1.086	79085	9.73	ug/L	99
41) 2-Chloroethylvinyl ether	63	13.742	13.730	1.108	113501	48.27	ug/L	99
42) cis-1,3-Dichloropropylene	75	13.979	13.980	1.127	77100	9.87	ug/L	98
44) 4-Methyl-2-pentanone	58	14.098	14.098	0.881	87173	52.82	ug/L	93
46) Toluene	91	14.406	14.406	0.900	194912	10.25	ug/L	97
47) trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	73133	9.80	ug/L	98
48) 1,1,2-Trichloroethane	83	14.845	14.845	0.927	38923	10.49	ug/L	98
49) 2-Hexanone	58	15.059	15.047	0.941	95398	52.17	ug/L	98
50) 1,3-Dichloropropane	76	15.059	15.059	0.941	73755	10.40	ug/L	97
51) Tetrachloroethylene	164	15.059	15.059	0.941	44029	10.17	ug/L	96
52) Dibromochloromethane	129	15.355	15.343	0.959	63409	9.66	ug/L	99
53) 1,2-Dibromoethane	107	15.533	15.521	0.970	49963	9.66	ug/L	97
54) Chlorobenzene	112	16.043	16.043	1.002	137173	9.79	ug/L	95
55) 1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	63065	9.97	ug/L	98
56) Ethylbenzene	91	16.114	16.114	1.007	222009	10.18	ug/L	96
57) m,p-Xylenes	106	16.233	16.233	1.014	177914	20.06	ug/L	90
58) o-Xylene	106	16.695	16.695	1.043	94923	10.06	ug/L	88
59) Styrene	104	16.695	16.695	1.043	154911	10.43	ug/L	98
61) Bromoform	173	16.992	16.980	0.915	36927	9.48	ug/L	99
62) Isopropylbenzene	105	17.075	17.075	0.920	246466	10.05	ug/L	98
64) 1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	66923	10.20	ug/L	99
65) 1,2,3-Trichloropropane	75	17.478	17.466	0.941	62985	9.92	ug/L	91
66) Bromobenzene	156	17.501	17.502	0.943	77638	10.46	ug/L	98
67) n-Propylbenzene	91	17.513	17.513	0.943	287791	10.27	ug/L	96
68) 1,3,5-Trimethylbenzene	105	17.667	17.668	0.951	221772	10.37	ug/L	96
69) 2-Chlorotoluene	126	17.679	17.668	0.952	67887	9.60	ug/L	85
70) 4-Chlorotoluene	91	17.774	17.774	0.957	198251	10.21	ug/L	96
71) tert-Butylbenzene	134	18.059	18.059	0.973	49358	9.92	ug/L #	87
72) 1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	232589	10.27	ug/L	98
73) sec-Butylbenzene	105	18.296	18.296	0.985	306503	10.17	ug/L	97
74) 4-Isopropyltoluene	119	18.426	18.426	0.992	254092	9.99	ug/L	98
75) 1,3-Dichlorobenzene	146	18.509	18.509	0.997	146977	9.47	ug/L	98
76) 1,4-Dichlorobenzene	146	18.604	18.604	1.002	134917	9.44	ug/L	97
77) n-Butylbenzene	91	18.901	18.901	1.018	231854	10.06	ug/L	96
78) 1,2-Dichlorobenzene	146	19.055	19.055	1.026	149258	9.85	ug/L	99
79) 1,2-Dibromo-3-chloropr...	157	20.015	20.015	1.078	16224	9.23	ug/L	98
80) 1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	112827	9.23	ug/L	97
81) Hexachlorobutadiene	225	21.320	21.320	1.148	69127	9.66	ug/L	100
82) Naphthalene	128	21.581	21.581	1.162	293099	9.66	ug/L	100
83) 1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	114193	9.30	ug/L	99
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		0.000	8.121	0.000	0	N.D.		
89) Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.		
90) Allyl chloride		8.619	8.726	0.695	0m	N.D.	d	
91) tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.		
92) Acrylonitrile		9.331	9.331	0.752	0m	N.D.	d	
93) Isopropyl ether		10.031	10.031	0.809	0m	N.D.	d	
94) 2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95) Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.		
96) Ethyl acetate		10.849	10.861	0.875	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E210.D
Acq On : 08 Oct 2013 17:07
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-08|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD010 5ML - MIX[A]
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 09 14:27:30 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
97)	Propionitrile		0.000	10.956	0.000	0	N.D.	
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.288	11.276	0.910	0m	N.D.	d
100)	Isobutyl alcohol		11.679	11.750	0.942	0m	N.D.	d
101)	Methyl tert-amyl ether		12.082	12.118	0.974	0m	N.D.	d
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		13.742	13.719	1.108	0m	N.D.	d
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		17.075	17.134	0.920	0m	N.D.	d
110)	Cyclohexanone		17.276	17.252	0.930	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		17.513	17.430	0.943	0m	N.D.	d
112)	Pentachloroethane		0.000	18.142	0.000	0	N.D.	
113)	Benzyl chloride		18.723	18.735	1.008	0m	N.D.	d
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

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Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E210.D
Acq On    : 08 Oct 2013  17:07
Operator  : CDS1
InstName  : VOA3
Sample    : |W3VM131008-08|ICAL|1|VOA|1|VOA8260BL|
Misc      : VSTD010 5ML - MIX[A]
ALS Vial  : 10   Sample Multiplier: 1

Quant Time: Oct 09 14:27:30 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title  : Volatile Organics 8260B                    SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE
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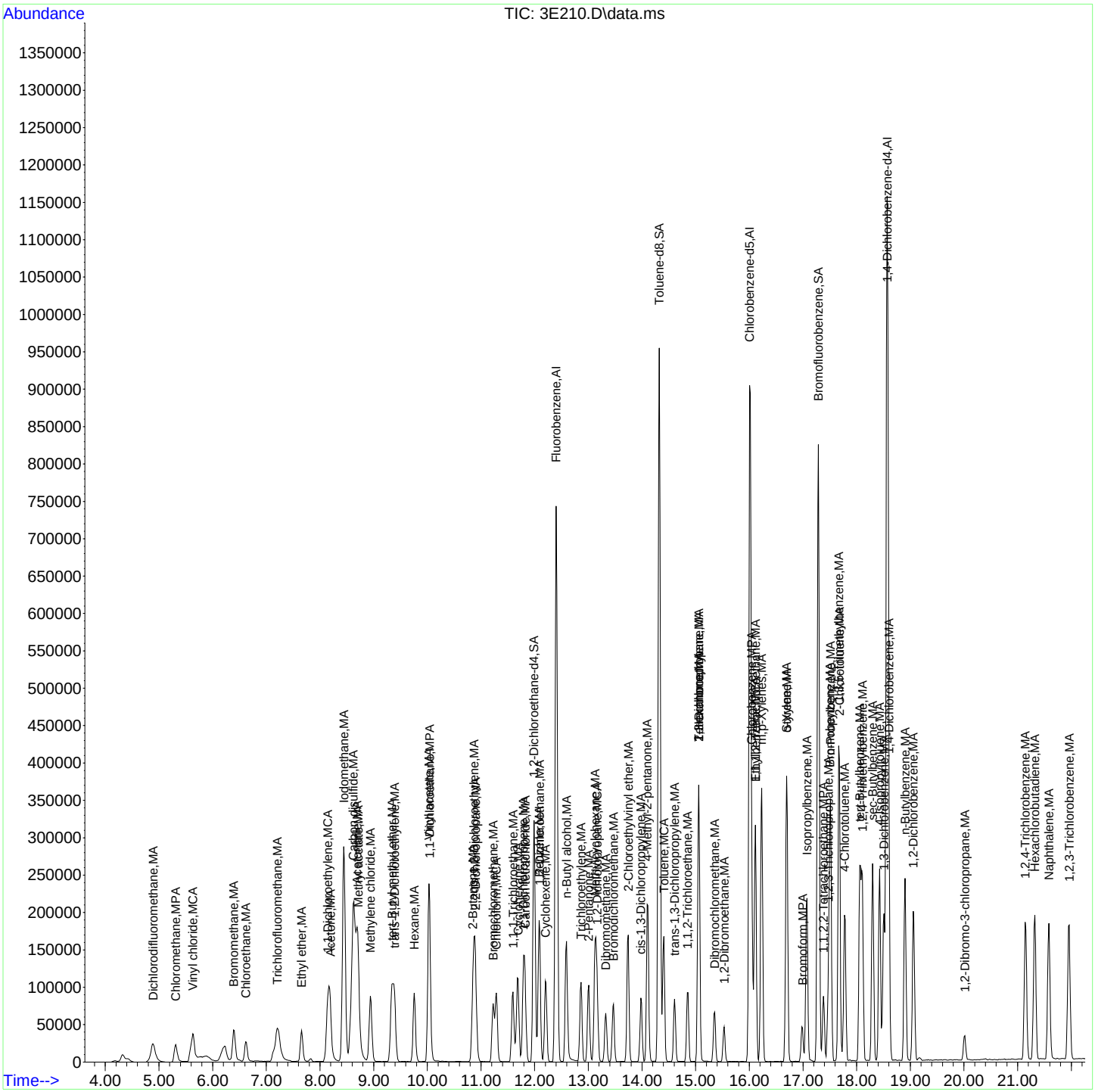

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E211.D
Acq On : 08 Oct 2013 17:36
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-09|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD020 5ML - MIX[A]
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 14:27:33 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	1071761	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	452954	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	546428	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	203027	49.68	ug/L	0.00
45) Toluene-d8	98	14.324	14.323	0.895	1034516	50.95	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	509565	51.22	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	153438	18.31	ug/L	98
3) Chloromethane	50	5.310	5.325	0.428	110612	18.27	ug/L	99
4) Vinyl chloride	62	5.643	5.643	0.455	129809	18.09	ug/L	100
5) Bromomethane	96	6.402	6.402	0.516	105496	18.47	ug/L	99
6) Chloroethane	64	6.616	6.627	0.533	94251	19.14	ug/L	98
7) Trichlorofluoromethane	101	7.208	7.196	0.581	284143	18.22	ug/L	99
8) Ethyl ether	59	7.659	7.647	0.618	87355	20.17	ug/L	96
9) Acetone	58	8.193	8.181	0.661	89362	93.69	ug/L	100
10) 1,1-Dichloroethylene	61	8.145	8.145	0.657	209672	19.35	ug/L	98
11) Iodomethane	142	8.442	8.442	0.681	1168934	94.10	ug/L	98
12) Acetonitrile	41	8.679	8.679	0.700	362035	556.02	ug/L	99
13) Methyl acetate	74	8.703	8.702	0.702	75700	98.71	ug/L	99
14) Carbon disulfide	76	8.631	8.619	0.696	1703233	93.18	ug/L	99
15) Methylene chloride	84	8.940	8.940	0.721	142811	20.59	ug/L	100
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	326444	19.87	ug/L	99
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	161001	19.22	ug/L	99
18) Hexane	57	9.758	9.746	0.787	142909	19.65	ug/L	99
19) Vinyl acetate	43	10.031	10.019	0.809	957417	106.31	ug/L	99
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	192035	17.90	ug/L	99
21) 2-Butanone	72	10.849	10.837	0.875	77535	103.58	ug/L	98
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	123945	19.27	ug/L	94
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	170053	17.67	ug/L	96
24) Bromochloromethane	128	11.228	11.217	0.905	71782	19.22	ug/L	97
25) Chloroform	83	11.288	11.276	0.910	228901	19.16	ug/L	98
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	205672	18.52	ug/L	99
27) Cyclohexane	56	11.679	11.679	0.942	159089	19.24	ug/L	99
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	136629	19.20	ug/L	97
29) Carbon tetrachloride	117	11.821	11.809	0.953	194037	18.19	ug/L	100
31) 1,2-Dichloroethane	62	12.082	12.082	0.974	168942	19.69	ug/L	98
32) Benzene	78	12.082	12.082	0.974	360803	19.09	ug/L	100
33) Cyclohexene	67	12.201	12.201	0.984	166794	18.98	ug/L	99
34) n-Butyl alcohol	56	12.592	12.580	1.015	298286	2332.81	ug/L	99
35) Trichloroethylene	95	12.865	12.853	1.037	112447	19.75	ug/L	98
36) 2-Pentanone	43	13.007	12.995	1.049	367066	105.82	ug/L	100
37) 1,2-Dichloropropane	63	13.161	13.161	1.061	92400	18.80	ug/L	100
38) Methylcyclohexane	83	13.126	13.126	1.058	171516	18.95	ug/L	96
39) Dibromomethane	93	13.327	13.315	1.075	79373	20.38	ug/L	99

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E211.D
Acq On : 08 Oct 2013 17:36
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-09|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD020 5ML - MIX[A]
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 14:27:33 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane	83	13.458	13.458	1.085	164516	19.74	ug/L	97
41) 2-Chloroethylvinyl ether	63	13.742	13.730	1.108	251522	104.34	ug/L	99
42) cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	158977	19.85	ug/L	100
44) 4-Methyl-2-pentanone	58	14.098	14.098	0.881	180883	108.40	ug/L	97
46) Toluene	91	14.407	14.406	0.900	370972	19.30	ug/L	99
47) trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	159836	21.19	ug/L	99
48) 1,1,2-Trichloroethane	83	14.845	14.845	0.927	77149	20.56	ug/L	98
49) 2-Hexanone	58	15.059	15.047	0.941	199872	108.11	ug/L	99
50) 1,3-Dichloropropane	76	15.059	15.059	0.941	145046	20.24	ug/L	96
51) Tetrachloroethylene	164	15.059	15.059	0.941	80049	18.29	ug/L	99
52) Dibromochloromethane	129	15.355	15.343	0.959	135071	20.35	ug/L	97
53) 1,2-Dibromoethane	107	15.533	15.521	0.970	104467	19.97	ug/L	98
54) Chlorobenzene	112	16.043	16.043	1.002	277058	19.55	ug/L	99
55) 1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	123606	19.34	ug/L	99
56) Ethylbenzene	91	16.114	16.114	1.007	431129	19.56	ug/L	98
57) m,p-Xylenes	106	16.233	16.233	1.014	343477	38.30	ug/L	92
58) o-Xylene	106	16.695	16.695	1.043	190767	20.01	ug/L	96
59) Styrene	104	16.695	16.695	1.043	305125	20.31	ug/L	99
61) Bromoform	173	16.980	16.980	0.914	81228	20.30	ug/L	99
62) Isopropylbenzene	105	17.075	17.075	0.920	501965	19.93	ug/L	98
64) 1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	137840	20.44	ug/L	100
65) 1,2,3-Trichloropropane	75	17.466	17.466	0.941	128726	19.73	ug/L	100
66) Bromobenzene	156	17.502	17.502	0.943	143860	18.86	ug/L	98
67) n-Propylbenzene	91	17.514	17.513	0.943	552663	19.20	ug/L	98
68) 1,3,5-Trimethylbenzene	105	17.668	17.668	0.951	433158	19.72	ug/L	98
69) 2-Chlorotoluene	126	17.680	17.668	0.952	136178	18.74	ug/L	94
70) 4-Chlorotoluene	91	17.774	17.774	0.957	376564	18.88	ug/L	100
71) tert-Butylbenzene	134	18.059	18.059	0.973	101877	19.92	ug/L	95
72) 1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	459480	19.75	ug/L	96
73) sec-Butylbenzene	105	18.296	18.296	0.985	599148	19.35	ug/L	98
74) 4-Isopropyltoluene	119	18.427	18.426	0.992	527041	20.16	ug/L	99
75) 1,3-Dichlorobenzene	146	18.510	18.509	0.997	299485	18.77	ug/L	99
76) 1,4-Dichlorobenzene	146	18.604	18.604	1.002	272994	18.60	ug/L	99
77) n-Butylbenzene	91	18.901	18.901	1.018	472739	19.96	ug/L	97
78) 1,2-Dichlorobenzene	146	19.055	19.055	1.026	303088	19.46	ug/L	99
79) 1,2-Dibromo-3-chloropr...	157	20.016	20.015	1.078	38824	21.50	ug/L	96
80) 1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	238036	18.96	ug/L	99
81) Hexachlorobutadiene	225	21.320	21.320	1.148	138965	18.89	ug/L	99
82) Naphthalene	128	21.581	21.581	1.162	666612	21.38	ug/L	100
83) 1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	251975	19.96	ug/L	99
85) Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86) 2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		0.000	8.121	0.000	0	N.D.		
89) Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.		
90) Allyl chloride		8.631	8.726	0.696	0m	N.D.	d	
91) tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.		
92) Acrylonitrile		9.331	9.331	0.752	0m	N.D.	d	
93) Isopropyl ether		10.031	10.031	0.809	0m	N.D.	d	
94) 2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95) Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.		
96) Ethyl acetate		10.849	10.861	0.875	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E211.D
Acq On : 08 Oct 2013 17:36
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-09|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD020 5ML - MIX[A]
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 09 14:27:33 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
97)	Propionitrile		10.849	10.956	0.875	0m	N.D.		d
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.		
99)	Tetrahydrofuran		11.288	11.276	0.910	0m	N.D.		d
100)	Isobutyl alcohol		11.679	11.750	0.942	0m	N.D.		d
101)	Methyl tert-amyl ether		12.082	12.118	0.974	0m	N.D.		d
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.		d
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.		
104)	2-Nitropropane		13.731	13.719	1.107	0m	N.D.		d
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.		
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.		
109)	cis-1,4-Dichloro-2-butene		17.063	17.134	0.919	0m	N.D.		d
110)	Cyclohexanone		17.276	17.252	0.930	0m	N.D.		d
111)	trans-1,4-Dichloro-2-b...		17.514	17.430	0.943	0m	N.D.		d
112)	Pentachloroethane		18.142	18.142	0.977	0m	N.D.		d
113)	Benzyl chloride		0.000	18.735	0.000	0	N.D.		
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

```
Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E211.D
Acq On    : 08 Oct 2013  17:36
Operator  : CDS1
InstName  : VOA3
Sample    : |W3VM131008-09|ICAL|1|VOA|1|VOA8260BL|
Misc      : VSTD020 5ML - MIX[A]
ALS Vial  : 11   Sample Multiplier: 1

Quant Time: Oct 09 14:27:33 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title  : Volatile Organics 8260B                    SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE
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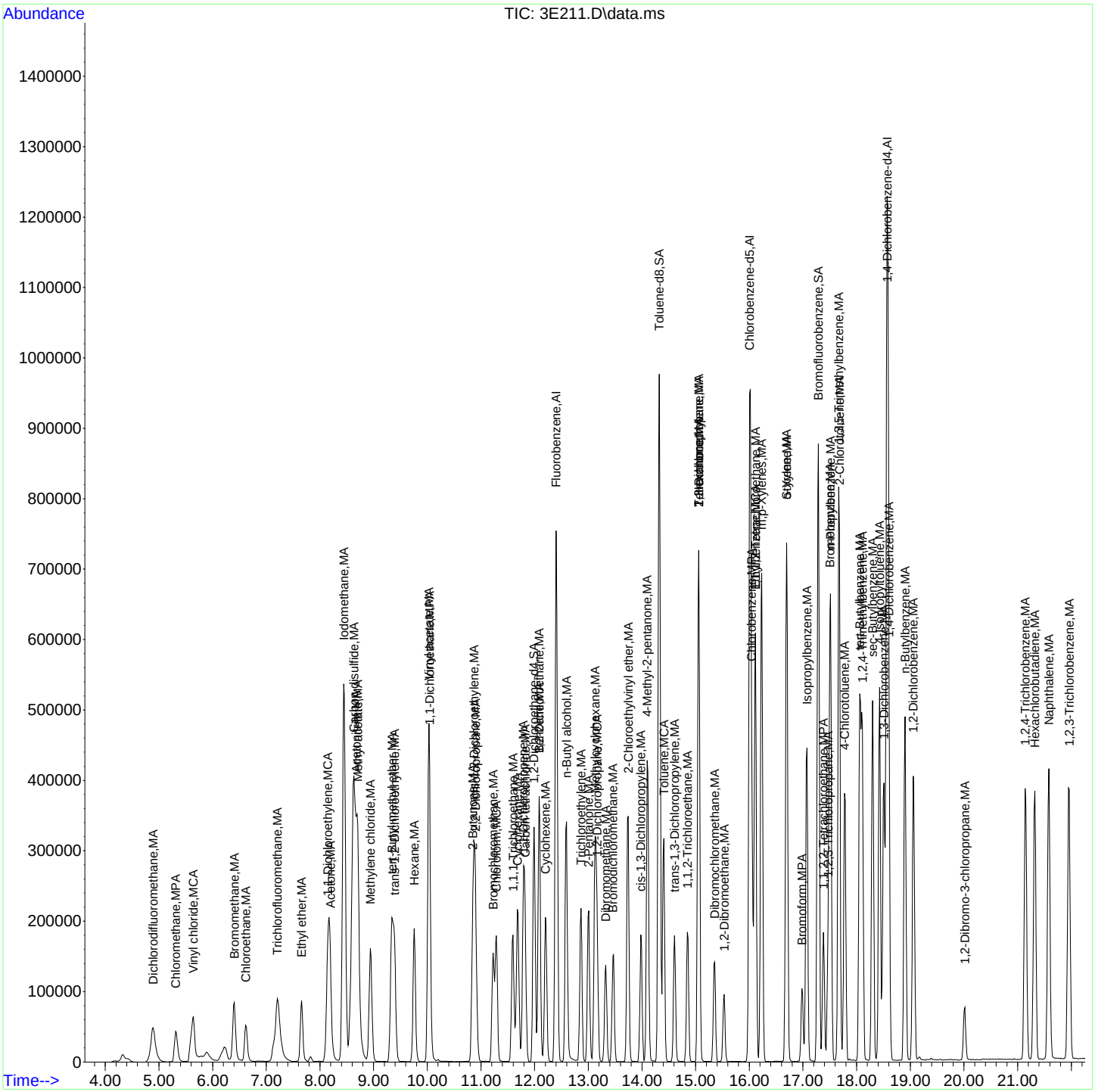

Continuing Calibration Summary

Client SDG: 335204

Instrument ID: VOA3.I **Injection Date:** 08-OCT-13 18:05

Data File: 100813V3\3E212.D **Init. Cal. Date(s)** 08-OCT-13 13:16 - 08-OCT-13 21:2

Lab Sample ID W3VM131008-10 **Method:** 100813V3\VOA3-8260-100813.M

Quant Type ISTD **Method Update:** 09-OCT-13 07:01

	Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type	
S	1,2-Dichloroethane-d4	0.1907	0.18432		.01		-3.34557	60		Averaged	
S	Toluene-d8	2.2414	2.18692		.01		-2.43062	60		Averaged	
S	Bromofluorobenzene	0.9103	0.89354		.01		-1.84115	60		Averaged	
	Dichlorodifluoromethane	0.3909	0.33304		.01		-14.80174	60		Averaged	
	Chloromethane	0.2824	0.25742		.1		-8.84561	60		Averaged	SPCC
	Vinyl chloride	0.3348	0.33097		.01		-1.14397	20		Averaged	CCC
	Bromomethane	0.2664	0.25975		.01		-2.49625	60		Averaged	
	Chloroethane	0.2298	0.21234		.01		-7.59791	60		Averaged	
	Trichlorofluoromethane	0.7276	0.60324		.01		-17.09181	60		Averaged	
	1,1-Dichloroethylene	0.5056	0.48748		.01		-3.58386	20		Averaged	CCC
	Acetone	250	231.14	250			-7.544	60		Linear	
	Carbon disulfide	0.8527	0.8099		.01		-5.01935	60		Averaged	
	Methyl acetate	0.0358	0.0333		.01		-6.98324	60		Averaged	
	Methylene chloride	50	50.75	50			1.5	60		Linear	
	tert-Butyl methyl ether	0.7665	0.77285		.01		0.82844	60		Averaged	
	trans-1,2-Dichloroethylene	0.3908	0.36009		.01		-7.85824	60		Averaged	
	1,1-Dichloroethane	0.5004	0.44608		.1		-10.85532	60		Averaged	SPCC
	2-Butanone	0.0349	0.03852		.01		10.37249	60		Averaged	
	cis-1,2-Dichloroethylene	0.3	0.2804		.01		-6.53333	60		Averaged	
	Bromochloromethane	0.1743	0.16191		.01		-7.10843	60		Averaged	
	Chloroform	0.5572	0.51422		.01		-7.71357	20		Averaged	CCC
	1,1,1-Trichloroethane	0.5181	0.49507		.01		-4.44509	60		Averaged	
	Cyclohexane	0.3857	0.39986		.01		3.67125	60		Averaged	
	Carbon tetrachloride	0.4977	0.45117		.01		-9.34901	60		Averaged	
	1,2-Dichloroethane	0.4003	0.37215		.01		-7.03223	60		Averaged	
	Benzene	0.8815	0.84455		.01		-4.19172	60		Averaged	
	Trichloroethylene	0.2656	0.26175		.01		-1.44955	60		Averaged	
	Methylcyclohexane	0.4223	0.43683		.01		3.44068	60		Averaged	
	1,2-Dichloropropane	0.2293	0.21087		.01		-8.03751	20		Averaged	CCC
	Bromodichloromethane	0.3888	0.37907		.01		-2.50257	60		Averaged	
	cis-1,3-Dichloropropylene	0.3737	0.40172		.01		7.49799	60		Averaged	
	4-Methyl-2-pentanone	0.1842	0.1683		.01		-8.63192	60		Averaged	
	Toluene	2.1212	1.98289		.01		-6.52037	20		Averaged	CCC
	trans-1,3-Dichloropropylene	0.8326	0.83191		.01		-0.08287	60		Averaged	
	1,1,2-Trichloroethane	0.4143	0.38895		.01		-6.11875	60		Averaged	
	2-Hexanone	0.2041	0.19672		.01		-3.61587	60		Averaged	
	Tetrachloroethylene	0.4832	0.4392		.01		-9.10596	60		Averaged	

Continuing Calibration Summary

Instrument ID: VOA3.I **Injection Date:** 08-OCT-13 18:05

Data File: 100813V3\3E212.D **Init. Cal. Date(s)** 08-OCT-13 13:16 08-OCT-13 21:2

Lab Sample ID W3VM131008-10 **Method:** 100813V3\VOA3-8260-100813.M

Quant Type ISTD

Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type	
Dibromochloromethane	0.7325	0.72718		.01		-0.72628	60		Averaged	
1,2-Dibromoethane	0.5775	0.55968		.01		-3.08571	60		Averaged	
Chlorobenzene	1.5645	1.49487		.3		-4.45062	60		Averaged	SPCC
Ethylbenzene	2.4329	2.21937		.01		-8.77677	20		Averaged	CCC
m,p-Xylenes	0.9901	0.93578		.01		-5.48631	60		Averaged	
o-Xylene	1.0526	1.07994		.01		2.59738	60		Averaged	
Styrene	1.6583	1.65362		.01		-0.28222	60		Averaged	
Bromoform	0.3662	0.39383		.1		7.54506	60		Averaged	SPCC
Isopropylbenzene	2.3048	2.22449		.01		-3.48447	60		Averaged	
1,1,2,2-Tetrachloroethane	0.6171	0.5786		.3		-6.23886	60		Averaged	SPCC
1,3-Dichlorobenzene	1.4599	1.27191		.01		-12.87691	60		Averaged	
1,4-Dichlorobenzene	1.3433	1.18025		.01		-12.13802	60		Averaged	
1,2-Dichlorobenzene	1.425	1.31956		.01		-7.3993	60		Averaged	
1,2-Dibromo-3-chloropropane	0.1653	0.15618		.01		-5.51724	60		Averaged	
1,2,4-Trichlorobenzene	1.1488	1.02102		.01		-11.12291	60		Averaged	
1,2,3-Trichlorobenzene	1.1549	1.0746		.01		-6.95298	60		Averaged	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E212.D
Acq On : 08 Oct 2013 18:05
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-10|ICV|1|VOA|1|VOA8260BL|
Misc : ICV 5ML - MIX[A] 0815-01I/02Z+1007-01
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 14:27:36 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.403	12.402	1.000	1110454	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	511090	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	611182	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.403	12.402	1.000	1110454	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	511090	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	611182	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	204683	48.34	ug/L	0.00
45) Toluene-d8	98	14.324	14.323	0.895	1117712	48.78	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	546114	49.08	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	369822	42.60	ug/L	100
3) Chloromethane	50	5.325	5.325	0.429	285857	45.58	ug/L	100
4) Vinyl chloride	62	5.643	5.643	0.455	367529	49.42	ug/L	97
5) Bromomethane	96	6.402	6.402	0.516	288435	48.75	ug/L	99
6) Chloroethane	64	6.616	6.627	0.533	235795	46.21	ug/L	98
7) Trichlorofluoromethane	101	7.208	7.196	0.581	669867	41.45	ug/L	100
8) Ethyl ether	59	7.659	7.647	0.618	227362	50.66	ug/L	96
9) Acetone	58	8.181	8.181	0.660	226435	231.14	ug/L	96
10) 1,1-Dichloroethylene	61	8.157	8.145	0.658	541326	48.21	ug/L	97
11) Iodomethane	142	8.454	8.442	0.682	3090780	240.14	ug/L	96
12) Acetonitrile	41	8.679	8.679	0.700	734368	1142.78	ug/L	99
13) Methyl acetate	74	8.714	8.702	0.703	184874	232.67	ug/L	94
14) Carbon disulfide	76	8.631	8.619	0.696	4496765	237.44	ug/L	100
15) Methylene chloride	84	8.940	8.940	0.721	338765	50.75	ug/L	97
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	858219	50.42	ug/L	99
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	399859	46.07	ug/L	96
18) Hexane	57	9.758	9.746	0.787	297441	39.48	ug/L	95
19) Vinyl acetate	43	10.031	10.019	0.809	2023656	216.87	ug/L	99
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	495355	44.57	ug/L	100
21) 2-Butanone	72	10.849	10.837	0.875	213854	275.73	ug/L	90
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	311367	46.73	ug/L	95
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	448378	44.96	ug/L	98
24) Bromochloromethane	128	11.229	11.217	0.905	179794	46.46	ug/L	97
25) Chloroform	83	11.288	11.276	0.910	571021	46.14	ug/L	99
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	549750	47.78	ug/L	98
27) Cyclohexane	56	11.679	11.679	0.942	444024	51.83	ug/L	98
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	341954	46.38	ug/L	96
29) Carbon tetrachloride	117	11.821	11.809	0.953	500999	45.33	ug/L	98
31) 1,2-Dichloroethane	62	12.082	12.082	0.974	413261	46.49	ug/L	100
32) Benzene	78	12.082	12.082	0.974	937829	47.90	ug/L	99
33) Cyclohexene	67	12.201	12.201	0.984	476272	52.30	ug/L	98
34) n-Butyl alcohol	56	12.592	12.580	1.015	691294	5218.04	ug/L	98
35) Trichloroethylene	95	12.865	12.853	1.037	290661	49.28	ug/L	99
36) 2-Pentanone	43	13.007	12.995	1.049	855443	238.02	ug/L	98
37) 1,2-Dichloropropane	63	13.161	13.161	1.061	234160	45.99	ug/L	98
38) Methylcyclohexane	83	13.126	13.126	1.058	485084	51.73	ug/L	97
39) Dibromomethane	93	13.327	13.315	1.075	199329	49.40	ug/L	98

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E212.D
Acq On : 08 Oct 2013 18:05
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-10|ICV|1|VOA|1|VOA8260BL|
Misc : ICV 5ML - MIX[A] 0815-01I/02Z+1007-01
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 14:27:36 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane	83	13.458	13.458	1.085	420942	48.74	ug/L	99
41) 2-Chloroethylvinyl ether	63	13.743	13.730	1.108	627366	251.19	ug/L	98
42) cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	446087	53.75	ug/L	97
44) 4-Methyl-2-pentanone	58	14.098	14.098	0.881	430088	228.43	ug/L	96
46) Toluene	91	14.407	14.406	0.900	1013433	46.74	ug/L	99
47) trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	425181	49.96	ug/L	97
48) 1,1,2-Trichloroethane	83	14.845	14.845	0.927	198787	46.95	ug/L	98
49) 2-Hexanone	58	15.059	15.047	0.941	502708	240.99	ug/L	95
50) 1,3-Dichloropropane	76	15.059	15.059	0.941	366344	45.30	ug/L	93
51) Tetrachloroethylene	164	15.059	15.059	0.941	224469	45.45	ug/L	99
52) Dibromochloromethane	129	15.355	15.343	0.959	371655	49.63	ug/L	100
53) 1,2-Dibromoethane	107	15.533	15.521	0.970	286046	48.46	ug/L	99
54) Chlorobenzene	112	16.043	16.043	1.002	764012	47.77	ug/L	98
55) 1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	338145	46.88	ug/L	99
56) Ethylbenzene	91	16.114	16.114	1.007	1134297	45.61	ug/L	100
57) m,p-Xylenes	106	16.233	16.233	1.014	956537	94.52	ug/L	99
58) o-Xylene	106	16.695	16.695	1.043	551945	51.30	ug/L	96
59) Styrene	104	16.695	16.695	1.043	845148	49.86	ug/L	97
61) Bromoform	173	16.980	16.980	0.914	240699	53.77	ug/L	99
62) Isopropylbenzene	105	17.075	17.075	0.920	1359566	48.26	ug/L	99
64) 1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	353629	46.88	ug/L	100
65) 1,2,3-Trichloropropane	75	17.466	17.466	0.941	311901	42.74	ug/L	93
66) Bromobenzene	156	17.502	17.502	0.943	395552	46.36	ug/L	95
67) n-Propylbenzene	91	17.514	17.513	0.943	1499416	46.56	ug/L	99
68) 1,3,5-Trimethylbenzene	105	17.668	17.668	0.951	1201699	48.91	ug/L	98
69) 2-Chlorotoluene	126	17.680	17.668	0.952	389324	47.91	ug/L	94
70) 4-Chlorotoluene	91	17.774	17.774	0.957	1044844	46.83	ug/L	99
71) tert-Butylbenzene	134	18.059	18.059	0.973	291916	51.04	ug/L	97
72) 1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	1227654	47.18	ug/L	100
73) sec-Butylbenzene	105	18.296	18.296	0.985	1643687	47.46	ug/L	100
74) 4-Isopropyltoluene	119	18.427	18.426	0.992	1406145	48.08	ug/L	99
75) 1,3-Dichlorobenzene	146	18.510	18.509	0.997	777367	43.56	ug/L	100
76) 1,4-Dichlorobenzene	146	18.604	18.604	1.002	721347	43.93	ug/L	99
77) n-Butylbenzene	91	18.901	18.901	1.018	1268657	47.89	ug/L	99
78) 1,2-Dichlorobenzene	146	19.055	19.055	1.026	806489	46.30	ug/L	99
79) 1,2-Dibromo-3-chloropr...	157	20.016	20.015	1.078	95453	47.25	ug/L	96
80) 1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	624026	44.44	ug/L	98
81) Hexachlorobutadiene	225	21.320	21.320	1.148	388116	47.17	ug/L	100
82) Naphthalene	128	21.581	21.581	1.162	1665144	47.75	ug/L	100
83) 1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	656775	46.52	ug/L	99
85) Chlorotrifluoroethylene		4.790	4.790	0.386	0m	N.D.	d	
86) 2-Chloro-1,1,1-trifluo...		5.857	5.868	0.472	0m	N.D.	d	
87) Acrolein		0.000	7.932	0.000	0	N.D.		
88) Trichlorotrifluoroethane		8.133	8.121	0.656	0m	N.D.	d	
89) Isopropyl Alcohol		8.181	8.347	0.660	0m	N.D.	d	
90) Allyl chloride		8.631	8.726	0.696	0m	N.D.	d	
91) tert-Butyl Alcohol		9.011	8.999	0.727	0m	N.D.	d	
92) Acrylonitrile		9.343	9.331	0.753	0m	N.D.	d	
93) Isopropyl ether		10.031	10.031	0.809	0m	N.D.	d	
94) 2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95) Ethyl tert-butyl ether		10.564	10.564	0.852	0m	N.D.	d	
96) Ethyl acetate		10.849	10.861	0.875	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E212.D
Acq On : 08 Oct 2013 18:05
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-10|ICV|1|VOA|1|VOA8260BL|
Misc : ICV 5ML - MIX[A] 0815-01I/02Z+1007-01
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 14:27:36 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
97)	Propionitrile		10.849	10.956	0.875	0m	N.D.	d
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.288	11.276	0.910	0m	N.D.	d
100)	Isobutyl alcohol		11.679	11.750	0.942	0m	N.D.	d
101)	Methyl tert-amyl ether		12.082	12.118	0.974	0m	N.D.	d
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		13.731	13.719	1.107	0m	N.D.	d
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		17.063	17.134	0.919	0m	N.D.	d
110)	Cyclohexanone		17.288	17.252	0.931	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		17.514	17.430	0.943	0m	N.D.	d
112)	Pentachloroethane		18.142	18.142	0.977	0m	N.D.	d
113)	Benzyl chloride		18.723	18.735	1.008	0m	N.D.	d
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

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Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E212.D
Acq On    : 08 Oct 2013  18:05
Operator  : CDS1
InstName  : VOA3
Sample    : |W3VM131008-10|ICV|1|VOA|1|VOA8260BL|
Misc      : ICV 5ML - MIX[A] 0815-01I/02Z+1007-01
ALS Vial  : 12   Sample Multiplier: 1

Quant Time: Oct 09 14:27:36 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title  : Volatile Organics 8260B                    SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE
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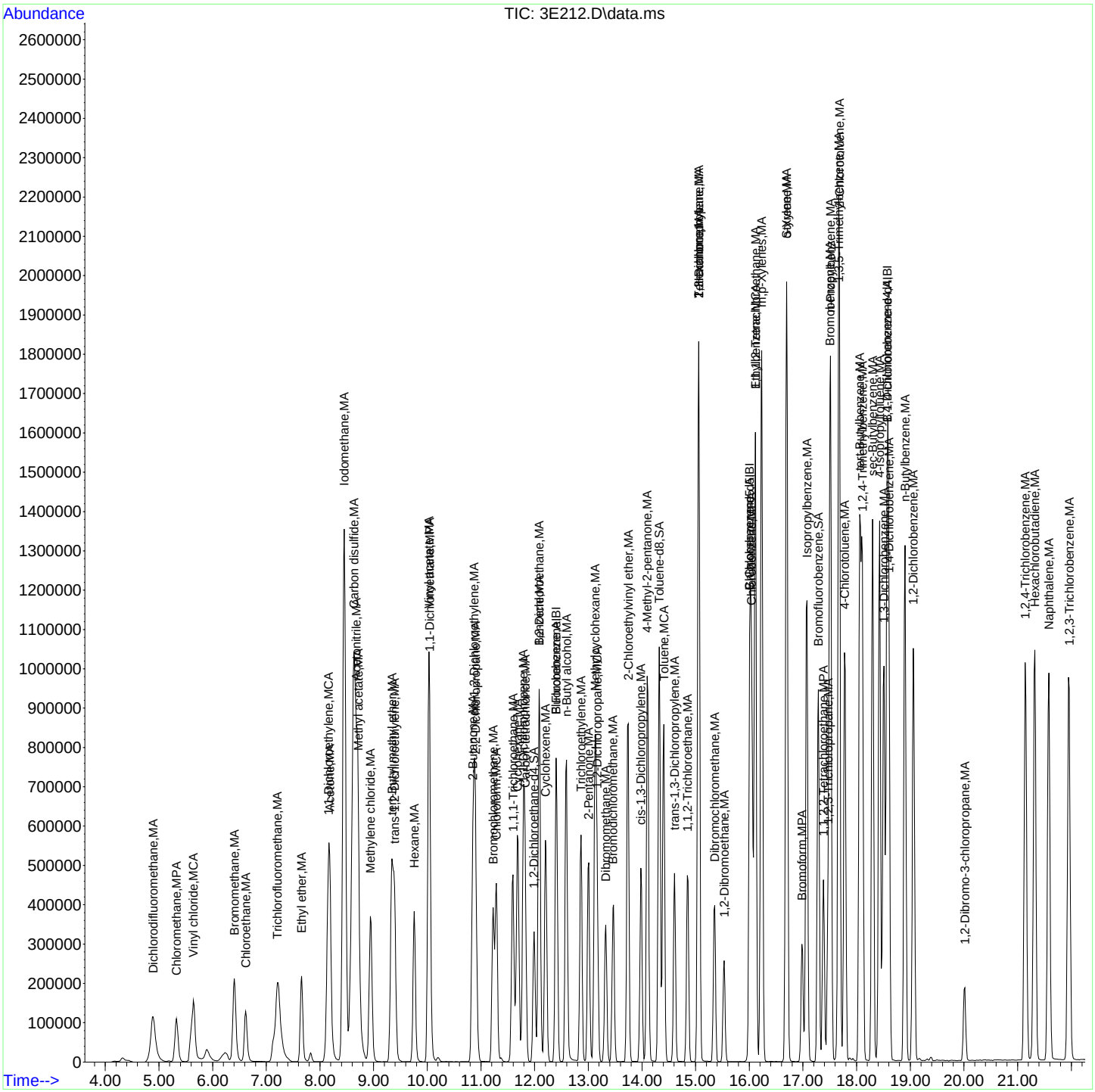


Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E213.D
Acq On : 08 Oct 2013 18:34
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-11|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD005S 5ML - MIX[B] 0830-01+920-01C
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 09 14:27:40 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	1146559	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	509475	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	620915	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	0d	0.00	ug/L	
45) Toluene-d8	98	14.323	14.323	0.895	0d	0.00	ug/L	
63) Bromofluorobenzene	95	17.288	17.288	0.931	0d	0.00	ug/L	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		4.790	4.894	0.386	0m	N.D.	d	
3) Chloromethane		5.295	5.325	0.427	0m	N.D.	d	
4) Vinyl chloride		0.000	5.643	0.000	0	N.D.		
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		0.000	7.647	0.000	0	N.D.		
9) Acetone		0.000	8.181	0.000	0	N.D.		
10) 1,1-Dichloroethylene		0.000	8.145	0.000	0	N.D.		
11) Iodomethane		8.442	8.442	0.681	0m	N.D.	d	
12) Acetonitrile		8.726	8.679	0.704	0m	N.D.	d	
13) Methyl acetate		0.000	8.702	0.000	0	N.D.		
14) Carbon disulfide		8.620	8.619	0.695	0m	N.D.	d	
15) Methylene chloride		8.940	8.940	0.721	0m	N.D.	d	
16) tert-Butyl methyl ether		0.000	9.331	0.000	0	N.D.		
17) trans-1,2-Dichloroethy...		9.390	9.378	0.757	0m	N.D.	d	
18) Hexane		0.000	9.746	0.000	0	N.D.		
19) Vinyl acetate		10.031	10.019	0.809	0m	N.D.	d	
20) 1,1-Dichloroethane		0.000	10.043	0.000	0	N.D.		
21) 2-Butanone		0.000	10.837	0.000	0	N.D.		
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		11.288	11.276	0.910	0m	N.D.	d	
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		11.762	11.679	0.948	0m	N.D.	d	
28) 1,1-Dichloropropene		11.786	11.786	0.950	0m	N.D.	d	
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		0.000	12.082	0.000	0	N.D.		
32) Benzene		12.082	12.082	0.974	0m	N.D.	d	
33) Cyclohexene		0.000	12.201	0.000	0	N.D.		
34) n-Butyl alcohol		12.604	12.580	1.016	0m	N.D.	d	
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		
36) 2-Pentanone		13.007	12.995	1.049	0m	N.D.	d	
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		0.000	13.126	0.000	0	N.D.		
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E213.D
Acq On : 08 Oct 2013 18:34
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-11|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD005S 5ML - MIX[B] 0830-01+920-01C
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 09 14:27:40 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41) 2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42) cis-1,3-Dichloropropylene		13.991	13.980	1.128	0m	N.D.	d	
44) 4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46) Toluene		14.406	14.406	0.900	0m	N.D.	d	
47) trans-1,3-Dichloroprop...		14.608	14.608	0.913	0m	N.D.	d	
48) 1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49) 2-Hexanone		15.059	15.047	0.941	0m	N.D.	d	
50) 1,3-Dichloropropane		15.059	15.059	0.941	0m	N.D.	d	
51) Tetrachloroethylene		15.059	15.059	0.941	0m	N.D.	d	
52) Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53) 1,2-Dibromoethane		15.533	15.521	0.970	0m	N.D.	d	
54) Chlorobenzene		16.043	16.043	1.002	0m	N.D.	d	
55) 1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.		
56) Ethylbenzene		16.114	16.114	1.007	0m	N.D.	d	
57) m,p-Xylenes		16.233	16.233	1.014	0m	N.D.	d	
58) o-Xylene		16.695	16.695	1.043	0m	N.D.	d	
59) Styrene		16.707	16.695	1.044	0m	N.D.	d	
61) Bromoform		0.000	16.980	0.000	0	N.D.		
62) Isopropylbenzene		17.063	17.075	0.919	0m	N.D.	d	
64) 1,1,2,2-Tetrachloroethane		17.276	17.383	0.930	0m	N.D.	d	
65) 1,2,3-Trichloropropane		17.430	17.466	0.939	0m	N.D.	d	
66) Bromobenzene		17.502	17.502	0.943	0m	N.D.	d	
67) n-Propylbenzene		17.513	17.513	0.943	0m	N.D.	d	
68) 1,3,5-Trimethylbenzene		17.668	17.668	0.951	0m	N.D.	d	
69) 2-Chlorotoluene		17.668	17.668	0.951	0m	N.D.	d	
70) 4-Chlorotoluene		17.786	17.774	0.958	0m	N.D.	d	
71) tert-Butylbenzene		18.142	18.059	0.977	0m	N.D.	d	
72) 1,2,4-Trimethylbenzene		18.106	18.106	0.975	0m	N.D.	d	
73) sec-Butylbenzene		18.296	18.296	0.985	0m	N.D.	d	
74) 4-Isopropyltoluene		18.427	18.426	0.992	0m	N.D.	d	
75) 1,3-Dichlorobenzene		18.510	18.509	0.997	0m	N.D.	d	
76) 1,4-Dichlorobenzene		18.604	18.604	1.002	0m	N.D.	d	
77) n-Butylbenzene		18.901	18.901	1.018	0m	N.D.	d	
78) 1,2-Dichlorobenzene		19.067	19.055	1.027	0m	N.D.	d	
79) 1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80) 1,2,4-Trichlorobenzene		21.154	21.142	1.139	0m	N.D.	d	
81) Hexachlorobutadiene		21.320	21.320	1.148	0m	N.D.	d	
82) Naphthalene		21.581	21.581	1.162	0m	N.D.	d	
83) 1,2,3-Trichlorobenzene		21.948	21.960	1.182	0m	N.D.	d	
85) Chlorotrifluoroethylene	116	4.790	4.790	0.386	45438	8.43	ug/L	98
86) 2-Chloro-1,1,1-trifluo...	118	5.845	5.868	0.471	50287	5.08	ug/L	98
87) Acrolein	56	7.944	7.932	0.640	3769	4.47	ug/L	86
88) Trichlorotrifluoroethane	101	8.121	8.121	0.655	37894	5.54	ug/L	94
89) Isopropyl Alcohol	45	8.347	8.347	0.673	19918	48.19	ug/L	83
90) Allyl chloride	76	8.738	8.726	0.705	15136	5.30	ug/L	94
91) tert-Butyl Alcohol	59	9.011	8.999	0.727	37360	50.87	ug/L	93
92) Acrylonitrile	53	9.331	9.331	0.752	9064	4.61	ug/L	97
93) Isopropyl ether	45	10.031	10.031	0.809	16907	0.92	ug/L	91
94) 2-Chloro-1,3-butadiene	53	10.173	10.173	0.820	7233	1.02	ug/L	91
95) Ethyl tert-butyl ether	59	10.564	10.564	0.852	17264	0.91	ug/L	98
96) Ethyl acetate	43	10.873	10.861	0.877	24960	5.47	ug/L	96

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E213.D
Acq On : 08 Oct 2013 18:34
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-11|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD005S 5ML - MIX[B] 0830-01+920-01C
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 09 14:27:40 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

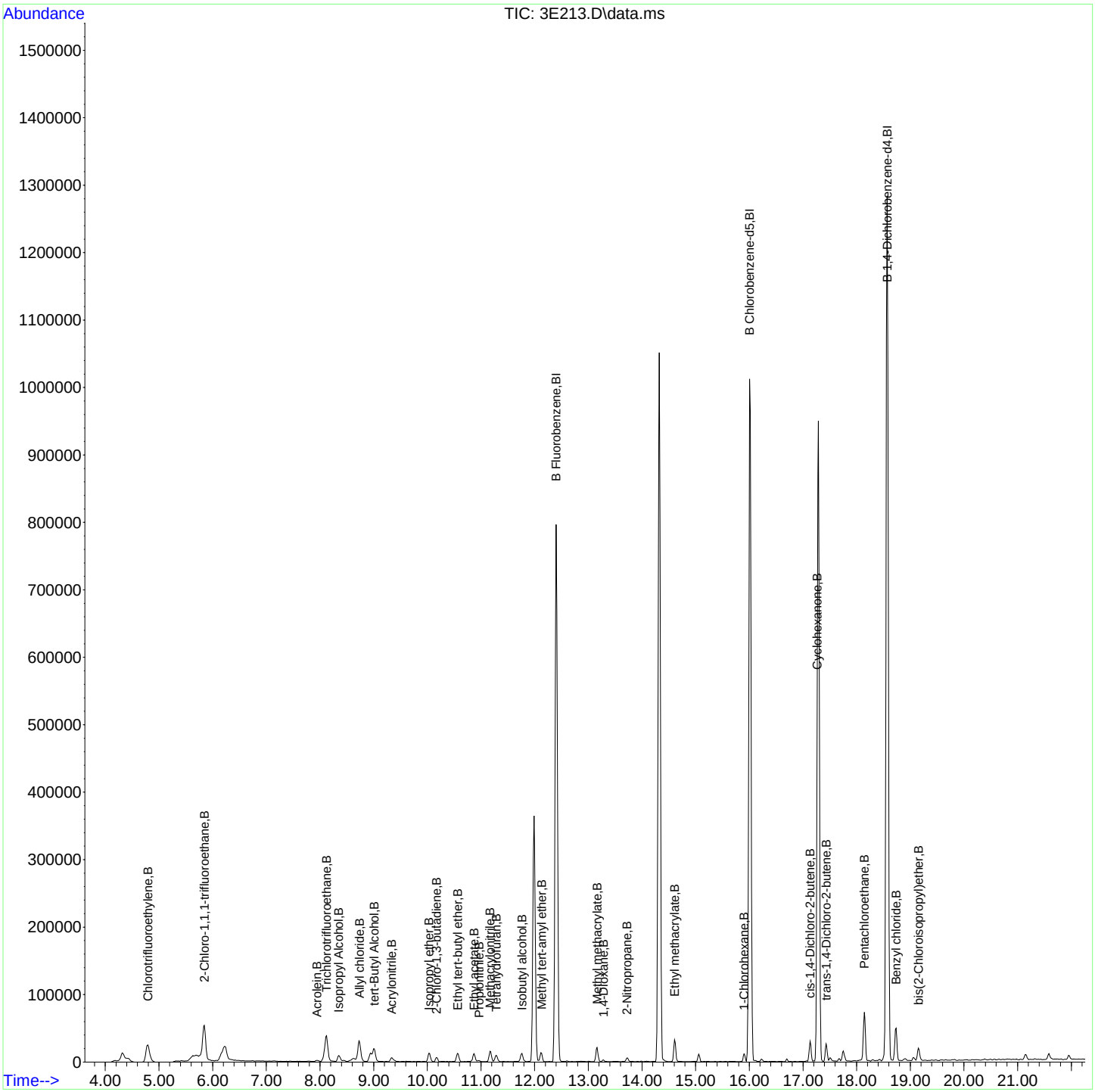
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
97)	Propionitrile	54	10.968	10.956	0.884	3178	4.59	ug/L #	66
98)	Methacrylonitrile	41	11.169	11.169	0.901	14234	4.99	ug/L	93
99)	Tetrahydrofuran	42	11.288	11.276	0.910	8872	5.80	ug/L	90
100)	Isobutyl alcohol	43	11.762	11.750	0.948	11748	48.74	ug/L	83
101)	Methyl tert-amyl ether	73	12.130	12.118	0.978	14929	0.89	ug/L	88
102)	Methyl methacrylate	69	13.161	13.161	1.061	12327	4.31	ug/L	86
103)	1,4-Dioxane	88	13.280	13.280	1.071	3021	49.04	ug/L	86
104)	2-Nitropropane	43	13.719	13.719	1.106	5584	5.59	ug/L	87
106)	Ethyl methacrylate	69	14.608	14.608	0.913	24674	4.39	ug/L	94
108)	1-Chlorohexane	91	15.901	15.901	0.856	6435	0.80	ug/L	96
109)	cis-1,4-Dichloro-2-butene	53	17.134	17.134	0.923	10870	4.70	ug/L #	79
110)	Cyclohexanone	55	17.264	17.252	0.930	5574	23.71	ug/L	93
111)	trans-1,4-Dichloro-2-b...	53	17.430	17.430	0.939	9410	4.75	ug/L	92
112)	Pentachloroethane	167	18.142	18.142	0.977	20381	4.59	ug/L	70
113)	Benzyl chloride	91	18.735	18.735	1.009	66310	5.15	ug/L	94
114)	bis(2-Chloroisopropyl)...	45	19.150	19.150	1.031	16677	5.00	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E213.D
Acq On : 08 Oct 2013 18:34
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-11|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD005S 5ML - MIX[B] 0830-01+920-01C
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 09 14:27:40 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E214.D
Acq On : 08 Oct 2013 19:03
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-12|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD010S 5ML - MIX[B]
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 14:27:44 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	1057907	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	457836	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	521590	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	0d	0.00	ug/L	
45) Toluene-d8	98	14.323	14.323	0.895	0d	0.00	ug/L	
63) Bromofluorobenzene	95	17.288	17.288	0.931	0d	0.00	ug/L	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		4.790	4.894	0.386	0m	N.D.	d	
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride		5.631	5.643	0.454	0m	N.D.	d	
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		0.000	7.647	0.000	0	N.D.		
9) Acetone		0.000	8.181	0.000	0	N.D.		
10) 1,1-Dichloroethylene		0.000	8.145	0.000	0	N.D.		
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile		8.738	8.679	0.705	0m	N.D.	d	
13) Methyl acetate		0.000	8.702	0.000	0	N.D.		
14) Carbon disulfide		8.738	8.619	0.705	0m	N.D.	d	
15) Methylene chloride		8.940	8.940	0.721	0m	N.D.	d	
16) tert-Butyl methyl ether		0.000	9.331	0.000	0	N.D.		
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		0.000	9.746	0.000	0	N.D.		
19) Vinyl acetate		10.031	10.019	0.809	0m	N.D.	d	
20) 1,1-Dichloroethane		0.000	10.043	0.000	0	N.D.		
21) 2-Butanone		0.000	10.837	0.000	0	N.D.		
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		11.750	11.679	0.947	0m	N.D.	d	
28) 1,1-Dichloropropene		0.000	11.786	0.000	0	N.D.		
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		0.000	12.082	0.000	0	N.D.		
32) Benzene		0.000	12.082	0.000	0	N.D.		
33) Cyclohexene		0.000	12.201	0.000	0	N.D.		
34) n-Butyl alcohol		0.000	12.580	0.000	0	N.D.		
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		
36) 2-Pentanone		13.019	12.995	1.050	0m	N.D.	d	
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		0.000	13.126	0.000	0	N.D.		
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E214.D
Acq On : 08 Oct 2013 19:03
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-12|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD010S 5ML - MIX[B]
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 14:27:44 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41) 2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42) cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.		
44) 4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46) Toluene		14.406	14.406	0.900	0m	N.D. d		
47) trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.		
48) 1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49) 2-Hexanone		0.000	15.047	0.000	0	N.D.		
50) 1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.		
51) Tetrachloroethylene		15.059	15.059	0.941	0m	N.D. d		
52) Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53) 1,2-Dibromoethane		0.000	15.521	0.000	0	N.D.		
54) Chlorobenzene		16.043	16.043	1.002	0m	N.D. d		
55) 1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.		
56) Ethylbenzene		16.114	16.114	1.007	0m	N.D. d		
57) m,p-Xylenes		16.233	16.233	1.014	0m	N.D. d		
58) o-Xylene		0.000	16.695	0.000	0	N.D.		
59) Styrene		16.707	16.695	1.044	0m	N.D. d		
61) Bromoform		0.000	16.980	0.000	0	N.D.		
62) Isopropylbenzene		17.075	17.075	0.920	0m	N.D. d		
64) 1,1,2,2-Tetrachloroethane		17.264	17.383	0.930	0m	N.D. d		
65) 1,2,3-Trichloropropane		17.430	17.466	0.939	0m	N.D. d		
66) Bromobenzene		17.513	17.502	0.943	0m	N.D. d		
67) n-Propylbenzene		17.513	17.513	0.943	0m	N.D. d		
68) 1,3,5-Trimethylbenzene		17.668	17.668	0.951	0m	N.D. d		
69) 2-Chlorotoluene		0.000	17.668	0.000	0	N.D.		
70) 4-Chlorotoluene		17.774	17.774	0.957	0m	N.D. d		
71) tert-Butylbenzene		18.142	18.059	0.977	0m	N.D. d		
72) 1,2,4-Trimethylbenzene		18.106	18.106	0.975	0m	N.D. d		
73) sec-Butylbenzene		18.296	18.296	0.985	0m	N.D. d		
74) 4-Isopropyltoluene		18.427	18.426	0.992	0m	N.D. d		
75) 1,3-Dichlorobenzene		18.510	18.509	0.997	0m	N.D. d		
76) 1,4-Dichlorobenzene		18.604	18.604	1.002	0m	N.D. d		
77) n-Butylbenzene		18.901	18.901	1.018	0m	N.D. d		
78) 1,2-Dichlorobenzene		19.067	19.055	1.027	0m	N.D. d		
79) 1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80) 1,2,4-Trichlorobenzene		21.154	21.142	1.139	0m	N.D. d		
81) Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.		
82) Naphthalene		21.581	21.581	1.162	0m	N.D. d		
83) 1,2,3-Trichlorobenzene		21.960	21.960	1.183	0m	N.D. d		
85) Chlorotrifluoroethylene	116	4.790	4.790	0.386	81516	18.16	ug/L	99
86) 2-Chloro-1,1,1-trifluo...	118	5.845	5.868	0.471	105608	11.57	ug/L	98
87) Acrolein	56	7.944	7.932	0.640	6353	8.17	ug/L	95
88) Trichlorotrifluoroethane	101	8.121	8.121	0.655	68816	10.90	ug/L	95
89) Isopropyl Alcohol	45	8.347	8.347	0.673	36640	96.08	ug/L	83
90) Allyl chloride	76	8.738	8.726	0.705	24741	9.39	ug/L #	79
91) tert-Butyl Alcohol	59	9.011	8.999	0.727	68903	101.67	ug/L	94
92) Acrylonitrile	53	9.331	9.331	0.752	18342	10.11	ug/L	94
93) Isopropyl ether	45	10.031	10.031	0.809	34337	2.02	ug/L	93
94) 2-Chloro-1,3-butadiene	53	10.173	10.173	0.820	10954	1.67	ug/L	98
95) Ethyl tert-butyl ether	59	10.564	10.564	0.852	33809	1.92	ug/L	96
96) Ethyl acetate	43	10.873	10.861	0.877	41170	9.77	ug/L	95

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E214.D
Acq On : 08 Oct 2013 19:03
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-12|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD010S 5ML - MIX[B]
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 14:27:44 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

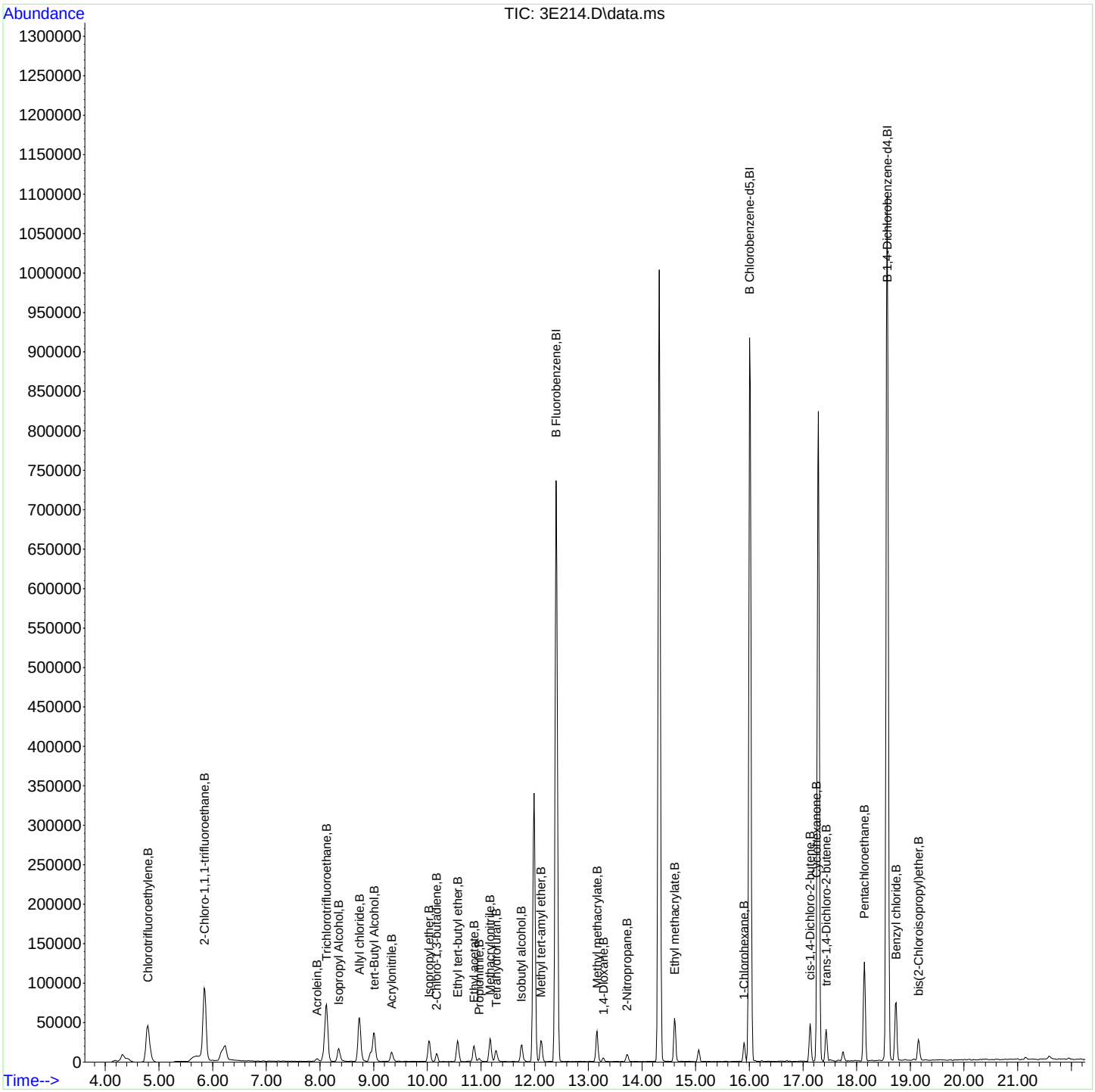
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
97)	Propionitrile	54	10.968	10.956	0.884	6254	9.80	ug/L	85
98)	Methacrylonitrile	41	11.169	11.169	0.901	24391	9.27	ug/L	95
99)	Tetrahydrofuran	42	11.288	11.276	0.910	13457	9.54	ug/L	94
100)	Isobutyl alcohol	43	11.750	11.750	0.947	19276	86.68	ug/L	83
101)	Methyl tert-amyl ether	73	12.118	12.118	0.977	30590	1.98	ug/L	92
102)	Methyl methacrylate	69	13.161	13.161	1.061	22540	8.54	ug/L	94
103)	1,4-Dioxane	88	13.280	13.280	1.071	4981	87.63	ug/L	98
104)	2-Nitropropane	43	13.719	13.719	1.106	9496	8.63	ug/L	83
106)	Ethyl methacrylate	69	14.608	14.608	0.913	44599	8.83	ug/L	98
108)	1-Chlorohexane	91	15.901	15.901	0.856	12989	1.92	ug/L	95
109)	cis-1,4-Dichloro-2-butene	53	17.134	17.134	0.923	17568	9.05	ug/L	82
110)	Cyclohexanone	55	17.253	17.252	0.929	9392	47.56	ug/L	92
111)	trans-1,4-Dichloro-2-b...	53	17.430	17.430	0.939	16475	9.90	ug/L	81
112)	Pentachloroethane	167	18.142	18.142	0.977	36686	9.83	ug/L	76
113)	Benzyl chloride	91	18.735	18.735	1.009	97275	8.99	ug/L	95
114)	bis(2-Chloroisopropyl)...	45	19.150	19.150	1.031	23899	8.53	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E214.D
Acq On : 08 Oct 2013 19:03
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-12|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD010S 5ML - MIX[B]
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 09 14:27:44 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E215.D
Acq On : 08 Oct 2013 19:32
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-13|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD025S 5ML - MIX[B]
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 14:27:47 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) Fluorobenzene	96	12.403	12.402	1.000	0m	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.403	12.402	1.000	1011594	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	431473	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	506375	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	0d	0.00	ug/L	
45) Toluene-d8	98	14.324	14.323	0.895	0d	0.00	ug/L	
63) Bromofluorobenzene	95	17.288	17.288	0.931	0d	0.00	ug/L	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		4.790	4.894	0.386	0m	N.D.	d	
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride		5.845	5.643	0.471	0m	N.D.	d	
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		0.000	7.647	0.000	0	N.D.		
9) Acetone		8.347	8.181	0.673	0m	N.D.	d	
10) 1,1-Dichloroethylene		0.000	8.145	0.000	0	N.D.		
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile		8.738	8.679	0.705	0m	N.D.	d	
13) Methyl acetate		0.000	8.702	0.000	0	N.D.		
14) Carbon disulfide		8.738	8.619	0.705	0m	N.D.	d	
15) Methylene chloride		8.940	8.940	0.721	0m	N.D.	d	
16) tert-Butyl methyl ether		0.000	9.331	0.000	0	N.D.		
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		9.758	9.746	0.787	0m	N.D.	d	
19) Vinyl acetate		10.031	10.019	0.809	0m	N.D.	d	
20) 1,1-Dichloroethane		0.000	10.043	0.000	0	N.D.		
21) 2-Butanone		0.000	10.837	0.000	0	N.D.		
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		11.750	11.679	0.947	0m	N.D.	d	
28) 1,1-Dichloropropene		0.000	11.786	0.000	0	N.D.		
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		0.000	12.082	0.000	0	N.D.		
32) Benzene		0.000	12.082	0.000	0	N.D.		
33) Cyclohexene		0.000	12.201	0.000	0	N.D.		
34) n-Butyl alcohol		0.000	12.580	0.000	0	N.D.		
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		
36) 2-Pentanone		13.161	12.995	1.061	0m	N.D.	d	
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		0.000	13.126	0.000	0	N.D.		
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E215.D
Acq On : 08 Oct 2013 19:32
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-13|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD025S 5ML - MIX[B]
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 14:27:47 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40)	Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41)	2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42)	cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.		
44)	4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46)	Toluene		14.407	14.406	0.900	0m	N.D.	d	
47)	trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.		
48)	1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49)	2-Hexanone		0.000	15.047	0.000	0	N.D.		
50)	1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.		
51)	Tetrachloroethylene		15.059	15.059	0.941	0m	N.D.	d	
52)	Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53)	1,2-Dibromoethane		0.000	15.521	0.000	0	N.D.		
54)	Chlorobenzene		0.000	16.043	0.000	0	N.D.		
55)	1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.		
56)	Ethylbenzene		16.114	16.114	1.007	0m	N.D.	d	
57)	m,p-Xylenes		0.000	16.233	0.000	0	N.D.		
58)	o-Xylene		0.000	16.695	0.000	0	N.D.		
59)	Styrene		16.695	16.695	1.043	0m	N.D.	d	
61)	Bromoform		0.000	16.980	0.000	0	N.D.		
62)	Isopropylbenzene		17.276	17.075	0.930	0m	N.D.	d	
64)	1,1,2,2-Tetrachloroethane		17.264	17.383	0.930	0m	N.D.	d	
65)	1,2,3-Trichloropropane		17.430	17.466	0.939	0m	N.D.	d	
66)	Bromobenzene		0.000	17.502	0.000	0	N.D.		
67)	n-Propylbenzene		17.514	17.513	0.943	0m	N.D.	d	
68)	1,3,5-Trimethylbenzene		0.000	17.668	0.000	0	N.D.		
69)	2-Chlorotoluene		0.000	17.668	0.000	0	N.D.		
70)	4-Chlorotoluene		17.786	17.774	0.958	0m	N.D.	d	
71)	tert-Butylbenzene		18.142	18.059	0.977	0m	N.D.	d	
72)	1,2,4-Trimethylbenzene		18.106	18.106	0.975	0m	N.D.	d	
73)	sec-Butylbenzene		0.000	18.296	0.000	0	N.D.		
74)	4-Isopropyltoluene		0.000	18.426	0.000	0	N.D.		
75)	1,3-Dichlorobenzene		18.510	18.509	0.997	0m	N.D.	d	
76)	1,4-Dichlorobenzene		18.605	18.604	1.002	0m	N.D.	d	
77)	n-Butylbenzene		18.901	18.901	1.018	0m	N.D.	d	
78)	1,2-Dichlorobenzene		19.067	19.055	1.027	0m	N.D.	d	
79)	1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80)	1,2,4-Trichlorobenzene		21.154	21.142	1.139	0m	N.D.	d	
81)	Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.		
82)	Naphthalene		21.581	21.581	1.162	0m	N.D.	d	
83)	1,2,3-Trichlorobenzene		21.960	21.960	1.183	0m	N.D.	d	
85)	Chlorotrifluoroethylene	116	4.790	4.790	0.386	92912	22.00	ug/L	98
86)	2-Chloro-1,1,1-trifluo...	118	5.857	5.868	0.472	224794	25.76	ug/L	97
87)	Acrolein	56	7.944	7.932	0.640	19796	26.61	ug/L	99
88)	Trichlorotrifluoroethane	101	8.122	8.121	0.655	159211	26.38	ug/L	96
89)	Isopropyl Alcohol	45	8.347	8.347	0.673	101601	278.63	ug/L	89
90)	Allyl chloride	76	8.738	8.726	0.705	60998	24.21	ug/L	87
91)	tert-Butyl Alcohol	59	9.011	8.999	0.727	183154	282.64	ug/L	94
92)	Acrylonitrile	53	9.331	9.331	0.752	48582	28.01	ug/L	96
93)	Isopropyl ether	45	10.031	10.031	0.809	76396	4.70	ug/L	95
94)	2-Chloro-1,3-butadiene	53	10.173	10.173	0.820	28093	4.49	ug/L	96
95)	Ethyl tert-butyl ether	59	10.564	10.564	0.852	80316	4.78	ug/L	97
96)	Ethyl acetate	43	10.873	10.861	0.877	111210	27.60	ug/L	98

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E215.D
Acq On : 08 Oct 2013 19:32
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-13|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD025S 5ML - MIX[B]
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 14:27:47 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

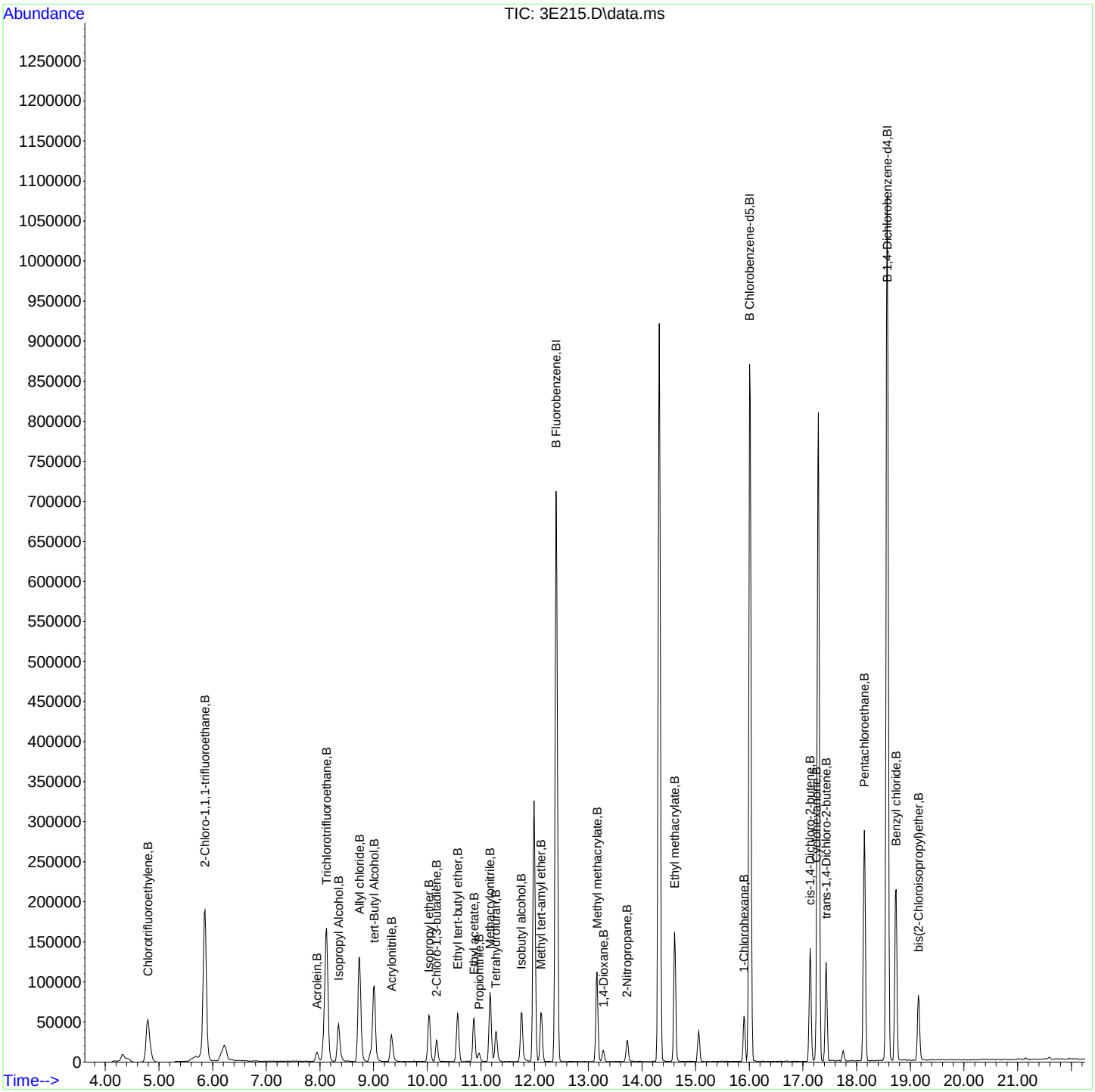
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
97)	Propionitrile	54	10.968	10.956	0.884	17138	28.08	ug/L	99
98)	Methacrylonitrile	41	11.169	11.169	0.901	69839	27.77	ug/L	96
99)	Tetrahydrofuran	42	11.276	11.276	0.909	36979	27.41	ug/L	96
100)	Isobutyl alcohol	43	11.750	11.750	0.947	59825	281.34	ug/L	90
101)	Methyl tert-amyl ether	73	12.118	12.118	0.977	69775	4.73	ug/L	94
102)	Methyl methacrylate	69	13.161	13.161	1.061	64258	25.45	ug/L	92
103)	1,4-Dioxane	88	13.280	13.280	1.071	14914	274.40	ug/L	99
104)	2-Nitropropane	43	13.719	13.719	1.106	27636	22.20	ug/L	85
106)	Ethyl methacrylate	69	14.608	14.608	0.913	127630	26.81	ug/L	95
108)	1-Chlorohexane	91	15.901	15.901	0.856	30007	4.58	ug/L	91
109)	cis-1,4-Dichloro-2-butene	53	17.134	17.134	0.923	52284	27.75	ug/L	84
110)	Cyclohexanone	55	17.253	17.252	0.929	26733	139.44	ug/L	96
111)	trans-1,4-Dichloro-2-b...	53	17.430	17.430	0.939	44843	27.77	ug/L	89
112)	Pentachloroethane	167	18.142	18.142	0.977	86845	23.96	ug/L	84
113)	Benzyl chloride	91	18.735	18.735	1.009	280990	26.75	ug/L	96
114)	bis(2-Chloroisopropyl)...	45	19.150	19.150	1.031	75247	27.66	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E215.D
Acq On : 08 Oct 2013 19:32
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-13|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD025S 5ML - MIX[B]
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 09 14:27:47 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E216.D
Acq On : 08 Oct 2013 20:00
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-14|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD050S 5ML - MIX[B]
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 14:27:50 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.403	12.402	1.000	0m	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.008	16.007	1.000	0m	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.403	12.402	1.000	1048809	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.008	16.007	1.000	451227	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	524121	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.988	11.987	0.967	0d	0.00	ug/L	
45) Toluene-d8	98	14.324	14.323	0.895	0d	0.00	ug/L	
63) Bromofluorobenzene	95	17.288	17.288	0.931	0d	0.00	ug/L	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		4.790	4.894	0.386	0m	N.D.	d	
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride		5.869	5.643	0.473	0m	N.D.	d	
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		0.000	7.647	0.000	0	N.D.		
9) Acetone		8.347	8.181	0.673	0m	N.D.	d	
10) 1,1-Dichloroethylene		8.122	8.145	0.655	0m	N.D.	d	
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile		8.726	8.679	0.704	0m	N.D.	d	
13) Methyl acetate		8.738	8.702	0.705	0m	N.D.	d	
14) Carbon disulfide		8.738	8.619	0.705	0m	N.D.	d	
15) Methylene chloride		8.940	8.940	0.721	0m	N.D.	d	
16) tert-Butyl methyl ether		0.000	9.331	0.000	0	N.D.		
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		9.758	9.746	0.787	0m	N.D.	d	
19) Vinyl acetate		10.031	10.019	0.809	0m	N.D.	d	
20) 1,1-Dichloroethane		10.173	10.043	0.820	0m	N.D.	d	
21) 2-Butanone		0.000	10.837	0.000	0	N.D.		
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		11.750	11.679	0.947	0m	N.D.	d	
28) 1,1-Dichloropropene		0.000	11.786	0.000	0	N.D.		
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		0.000	12.082	0.000	0	N.D.		
32) Benzene		0.000	12.082	0.000	0	N.D.		
33) Cyclohexene		12.118	12.201	0.977	0m	N.D.	d	
34) n-Butyl alcohol		0.000	12.580	0.000	0	N.D.		
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		
36) 2-Pentanone		13.161	12.995	1.061	0m	N.D.	d	
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		0.000	13.126	0.000	0	N.D.		
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E216.D
Acq On : 08 Oct 2013 20:00
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-14|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD050S 5ML - MIX[B]
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 14:27:50 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41) 2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42) cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.		
44) 4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46) Toluene		14.407	14.406	0.900	0m	N.D.	d	
47) trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.		
48) 1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49) 2-Hexanone		0.000	15.047	0.000	0	N.D.		
50) 1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.		
51) Tetrachloroethylene		15.059	15.059	0.941	0m	N.D.	d	
52) Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53) 1,2-Dibromoethane		0.000	15.521	0.000	0	N.D.		
54) Chlorobenzene		16.055	16.043	1.003	0m	N.D.	d	
55) 1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.		
56) Ethylbenzene		0.000	16.114	0.000	0	N.D.		
57) m,p-Xylenes		0.000	16.233	0.000	0	N.D.		
58) o-Xylene		0.000	16.695	0.000	0	N.D.		
59) Styrene		16.695	16.695	1.043	0m	N.D.	d	
61) Bromoform		0.000	16.980	0.000	0	N.D.		
62) Isopropylbenzene		17.288	17.075	0.931	0m	N.D.	d	
64) 1,1,2,2-Tetrachloroethane		17.253	17.383	0.929	0m	N.D.	d	
65) 1,2,3-Trichloropropane		17.431	17.466	0.939	0m	N.D.	d	
66) Bromobenzene		0.000	17.502	0.000	0	N.D.		
67) n-Propylbenzene		17.514	17.513	0.943	0m	N.D.	d	
68) 1,3,5-Trimethylbenzene		0.000	17.668	0.000	0	N.D.		
69) 2-Chlorotoluene		0.000	17.668	0.000	0	N.D.		
70) 4-Chlorotoluene		17.786	17.774	0.958	0m	N.D.	d	
71) tert-Butylbenzene		18.142	18.059	0.977	0m	N.D.	d	
72) 1,2,4-Trimethylbenzene		0.000	18.106	0.000	0	N.D.		
73) sec-Butylbenzene		0.000	18.296	0.000	0	N.D.		
74) 4-Isopropyltoluene		0.000	18.426	0.000	0	N.D.		
75) 1,3-Dichlorobenzene		18.510	18.509	0.997	0m	N.D.	d	
76) 1,4-Dichlorobenzene		18.593	18.604	1.001	0m	N.D.	d	
77) n-Butylbenzene		18.735	18.901	1.009	0m	N.D.	d	
78) 1,2-Dichlorobenzene		19.055	19.055	1.026	0m	N.D.	d	
79) 1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80) 1,2,4-Trichlorobenzene		21.154	21.142	1.139	0m	N.D.	d	
81) Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.		
82) Naphthalene		21.581	21.581	1.162	0m	N.D.	d	
83) 1,2,3-Trichlorobenzene		21.949	21.960	1.182	0m	N.D.	d	
85) Chlorotrifluoroethylene	116	4.790	4.790	0.386	179862	42.69	ug/L	99
86) 2-Chloro-1,1,1-trifluo...	118	5.869	5.868	0.473	466094	51.51	ug/L	99
87) Acrolein	56	7.944	7.932	0.640	37897	49.13	ug/L	99
88) Trichlorotrifluoroethane	101	8.122	8.121	0.655	336494	53.78	ug/L	96
89) Isopropyl Alcohol	45	8.347	8.347	0.673	195655	517.53	ug/L	90
90) Allyl chloride	76	8.738	8.726	0.705	139168	53.28	ug/L	90
91) tert-Butyl Alcohol	59	8.999	8.999	0.726	341271	507.95	ug/L	96
92) Acrylonitrile	53	9.331	9.331	0.752	91069	50.65	ug/L	99
93) Isopropyl ether	45	10.031	10.031	0.809	183837	10.90	ug/L	95
94) 2-Chloro-1,3-butadiene	53	10.173	10.173	0.820	68706	10.59	ug/L	97
95) Ethyl tert-butyl ether	59	10.564	10.564	0.852	186597	10.70	ug/L	98
96) Ethyl acetate	43	10.861	10.861	0.876	215330	51.54	ug/L	98

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E216.D
Acq On : 08 Oct 2013 20:00
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-14|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD050S 5ML - MIX[B]
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 14:27:50 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

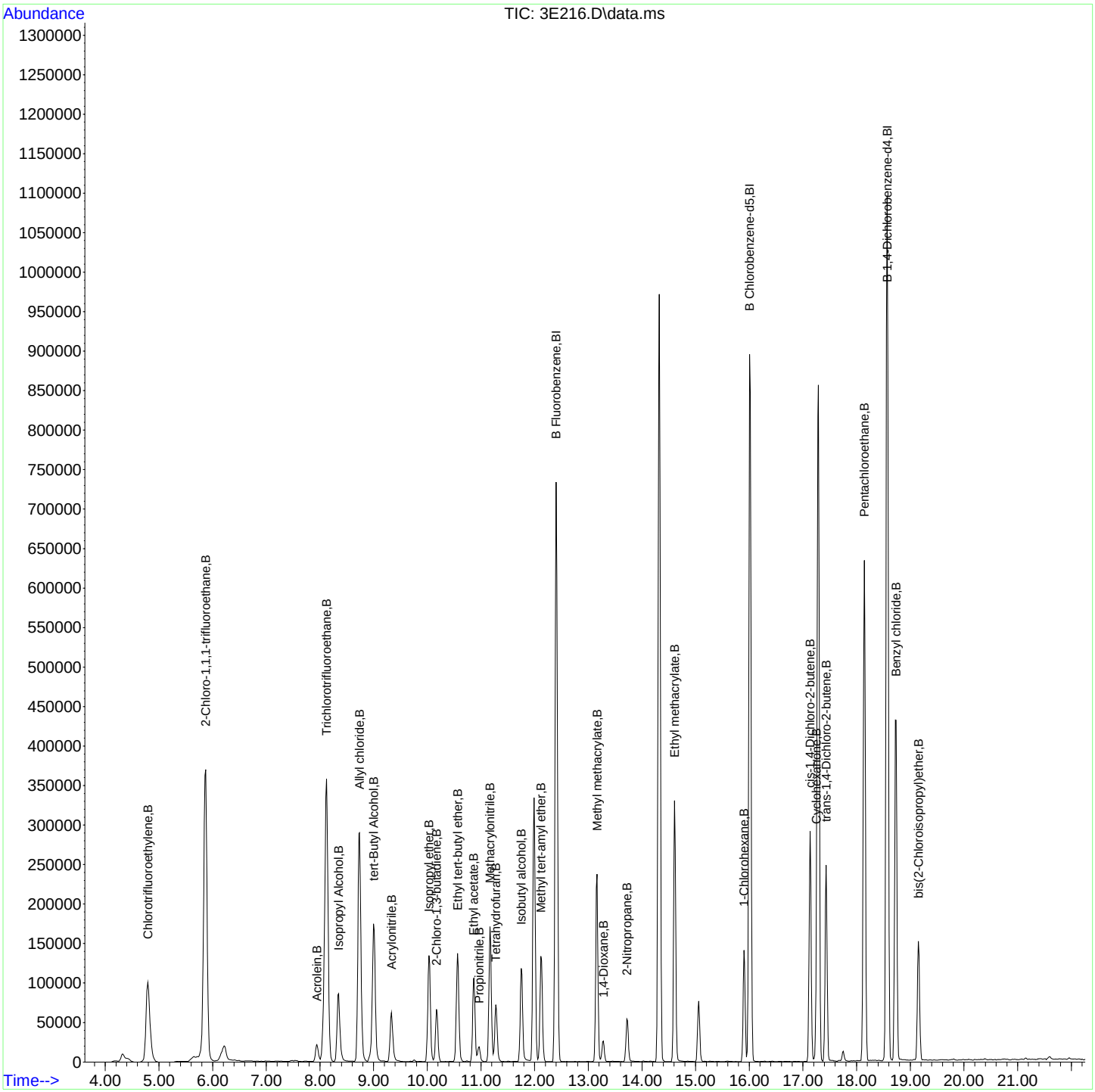
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
97)	Propionitrile	54	10.968	10.956	0.884	30484	48.17	ug/L	100
98)	Methacrylonitrile	41	11.169	11.169	0.901	137216	52.63	ug/L	96
99)	Tetrahydrofuran	42	11.276	11.276	0.909	69438	49.65	ug/L	99
100)	Isobutyl alcohol	43	11.750	11.750	0.947	113648	515.50	ug/L	93
101)	Methyl tert-amyl ether	73	12.118	12.118	0.977	156967	10.26	ug/L	97
102)	Methyl methacrylate	69	13.161	13.161	1.061	140113	53.52	ug/L	94
103)	1,4-Dioxane	88	13.280	13.280	1.071	28767	510.51	ug/L	97
104)	2-Nitropropane	43	13.719	13.719	1.106	59922	44.25	ug/L	92
106)	Ethyl methacrylate	69	14.608	14.608	0.913	263380	52.90	ug/L	97
108)	1-Chlorohexane	91	15.901	15.901	0.856	73668	10.86	ug/L	94
109)	cis-1,4-Dichloro-2-butene	53	17.134	17.134	0.923	102565	52.59	ug/L	92
110)	Cyclohexanone	55	17.253	17.252	0.929	49720	250.56	ug/L	97
111)	trans-1,4-Dichloro-2-b...	53	17.431	17.430	0.939	88107	52.71	ug/L	94
112)	Pentachloroethane	167	18.142	18.142	0.977	196925	52.48	ug/L	90
113)	Benzyl chloride	91	18.735	18.735	1.009	574369	52.83	ug/L	96
114)	bis(2-Chloroisopropyl)...	45	19.150	19.150	1.031	143902	51.10	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E216.D
Acq On : 08 Oct 2013 20:00
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-14|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD050S 5ML - MIX[B]
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 09 14:27:50 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E217.D
Acq On : 08 Oct 2013 20:29
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-15|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD100S 5ML - MIX[B]
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 09 14:27:53 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	1091339	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	481204	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	566498	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	0d	0.00	ug/L	
45) Toluene-d8	98	14.324	14.323	0.895	0d	0.00	ug/L	
63) Bromofluorobenzene	95	17.288	17.288	0.931	0d	0.00	ug/L	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		4.790	4.894	0.386	0m	N.D.	d	
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride		5.868	5.643	0.473	0m	N.D.	d	
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		0.000	7.647	0.000	0	N.D.		
9) Acetone		8.122	8.181	0.655	0m	N.D.	d	
10) 1,1-Dichloroethylene		8.122	8.145	0.655	0m	N.D.	d	
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile		8.726	8.679	0.704	0m	N.D.	d	
13) Methyl acetate		8.738	8.702	0.705	0m	N.D.	d	
14) Carbon disulfide		8.738	8.619	0.705	0m	N.D.	d	
15) Methylene chloride		8.940	8.940	0.721	0m	N.D.	d	
16) tert-Butyl methyl ether		0.000	9.331	0.000	0	N.D.		
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		9.758	9.746	0.787	0m	N.D.	d	
19) Vinyl acetate		10.031	10.019	0.809	0m	N.D.	d	
20) 1,1-Dichloroethane		10.173	10.043	0.820	0m	N.D.	d	
21) 2-Butanone		0.000	10.837	0.000	0	N.D.		
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		11.750	11.679	0.947	0m	N.D.	d	
28) 1,1-Dichloropropene		11.750	11.786	0.947	0m	N.D.	d	
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		0.000	12.082	0.000	0	N.D.		
32) Benzene		0.000	12.082	0.000	0	N.D.		
33) Cyclohexene		12.118	12.201	0.977	0m	N.D.	d	
34) n-Butyl alcohol		12.746	12.580	1.028	0m	N.D.	d	
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		
36) 2-Pentanone		13.161	12.995	1.061	0m	N.D.	d	
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		13.150	13.126	1.060	0m	N.D.	d	
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E217.D
Acq On : 08 Oct 2013 20:29
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-15|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD100S 5ML - MIX[B]
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 09 14:27:53 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41) 2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42) cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.		
44) 4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46) Toluene		14.407	14.406	0.900	0m	N.D.	d	
47) trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.		
48) 1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49) 2-Hexanone		0.000	15.047	0.000	0	N.D.		
50) 1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.		
51) Tetrachloroethylene		15.059	15.059	0.941	0m	N.D.	d	
52) Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53) 1,2-Dibromoethane		0.000	15.521	0.000	0	N.D.		
54) Chlorobenzene		0.000	16.043	0.000	0	N.D.		
55) 1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.		
56) Ethylbenzene		0.000	16.114	0.000	0	N.D.		
57) m,p-Xylenes		0.000	16.233	0.000	0	N.D.		
58) o-Xylene		0.000	16.695	0.000	0	N.D.		
59) Styrene		0.000	16.695	0.000	0	N.D.		
61) Bromoform		0.000	16.980	0.000	0	N.D.		
62) Isopropylbenzene		17.288	17.075	0.931	0m	N.D.	d	
64) 1,1,2,2-Tetrachloroethane		17.430	17.383	0.939	0m	N.D.	d	
65) 1,2,3-Trichloropropane		17.430	17.466	0.939	0m	N.D.	d	
66) Bromobenzene		0.000	17.502	0.000	0	N.D.		
67) n-Propylbenzene		17.430	17.513	0.939	0m	N.D.	d	
68) 1,3,5-Trimethylbenzene		0.000	17.668	0.000	0	N.D.		
69) 2-Chlorotoluene		0.000	17.668	0.000	0	N.D.		
70) 4-Chlorotoluene		17.774	17.774	0.957	0m	N.D.	d	
71) tert-Butylbenzene		18.142	18.059	0.977	0m	N.D.	d	
72) 1,2,4-Trimethylbenzene		18.106	18.106	0.975	0m	N.D.	d	
73) sec-Butylbenzene		18.189	18.296	0.980	0m	N.D.	d	
74) 4-Isopropyltoluene		0.000	18.426	0.000	0	N.D.		
75) 1,3-Dichlorobenzene		18.510	18.509	0.997	0m	N.D.	d	
76) 1,4-Dichlorobenzene		18.604	18.604	1.002	0m	N.D.	d	
77) n-Butylbenzene		18.723	18.901	1.008	0m	N.D.	d	
78) 1,2-Dichlorobenzene		19.055	19.055	1.026	0m	N.D.	d	
79) 1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80) 1,2,4-Trichlorobenzene		21.142	21.142	1.139	0m	N.D.	d	
81) Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.		
82) Naphthalene		21.581	21.581	1.162	0m	N.D.	d	
83) 1,2,3-Trichlorobenzene		21.960	21.960	1.183	0m	N.D.	d	
85) Chlorotrifluoroethylene	116	4.790	4.790	0.386	409899	95.72	ug/L	99
86) 2-Chloro-1,1,1-trifluo...	118	5.868	5.868	0.473	876391	93.08	ug/L	99
87) Acrolein	56	7.944	7.932	0.640	85649	106.72	ug/L	98
88) Trichlorotrifluoroethane	101	8.122	8.121	0.655	652053	100.16	ug/L	97
89) Isopropyl Alcohol	45	8.335	8.347	0.672	406896	1034.35	ug/L	94
90) Allyl chloride	76	8.738	8.726	0.705	287383	105.74	ug/L	93
91) tert-Butyl Alcohol	59	8.999	8.999	0.726	713386	1020.43	ug/L	98
92) Acrylonitrile	53	9.331	9.331	0.752	194651	104.03	ug/L	98
93) Isopropyl ether	45	10.031	10.031	0.809	375647	21.40	ug/L	98
94) 2-Chloro-1,3-butadiene	53	10.173	10.173	0.820	153103	22.68	ug/L	94
95) Ethyl tert-butyl ether	59	10.564	10.564	0.852	391489	21.58	ug/L	98
96) Ethyl acetate	43	10.861	10.861	0.876	446256	102.65	ug/L	99

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E217.D
Acq On : 08 Oct 2013 20:29
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-15|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD100S 5ML - MIX[B]
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 09 14:27:53 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

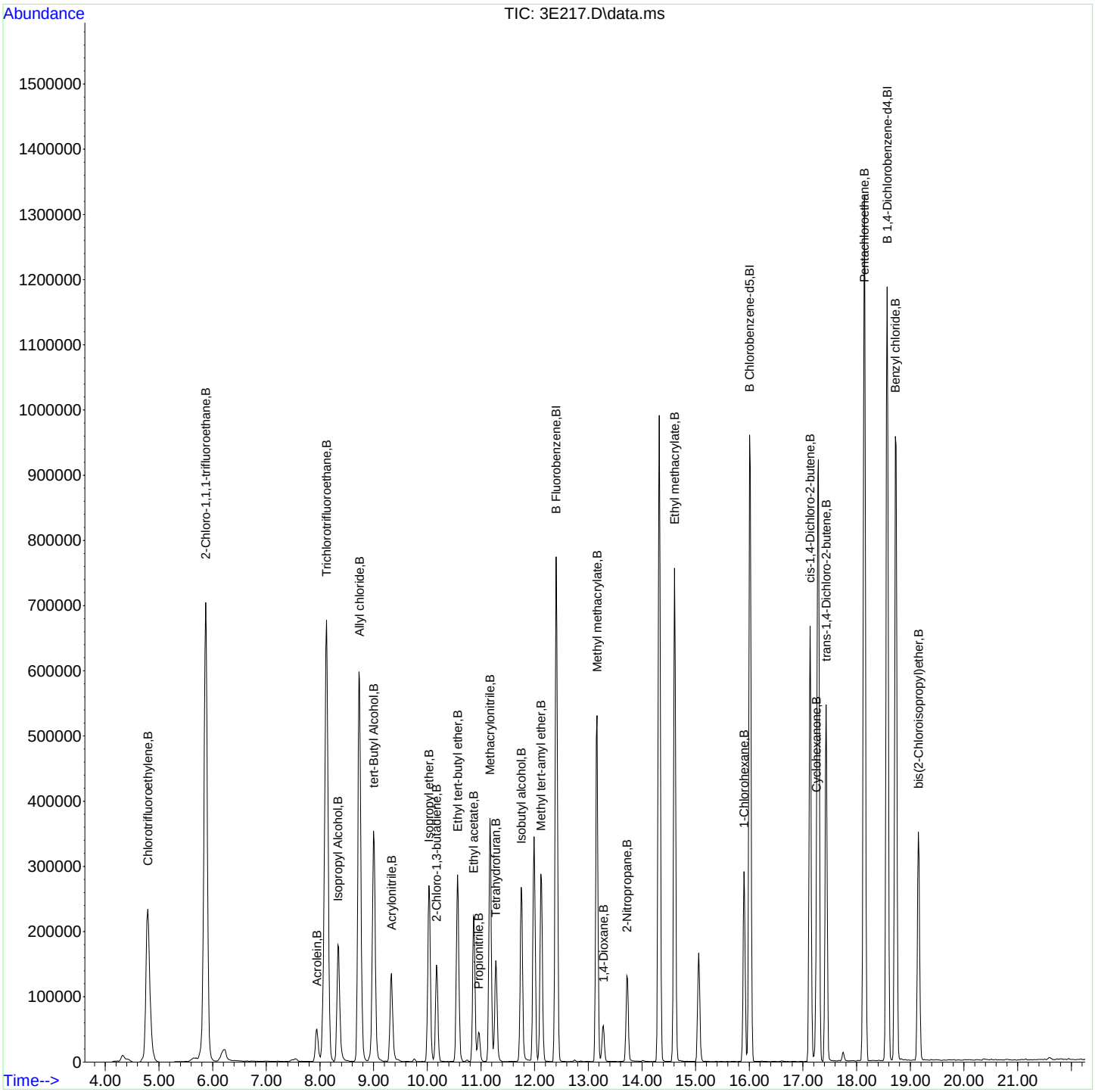
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
97)	Propionitrile	54	10.956	10.956	0.883	71977	109.31	ug/L	96
98)	Methacrylonitrile	41	11.169	11.169	0.901	291320	107.37	ug/L	98
99)	Tetrahydrofuran	42	11.276	11.276	0.909	150837	103.65	ug/L	96
100)	Isobutyl alcohol	43	11.750	11.750	0.947	250581	1092.32	ug/L	96
101)	Methyl tert-amyl ether	73	12.118	12.118	0.977	337266	21.19	ug/L	98
102)	Methyl methacrylate	69	13.161	13.161	1.061	317110	116.41	ug/L	97
103)	1,4-Dioxane	88	13.280	13.280	1.071	62867	1072.17	ug/L	98
104)	2-Nitropropane	43	13.719	13.719	1.106	148663	102.75	ug/L	93
106)	Ethyl methacrylate	69	14.608	14.608	0.913	606462	114.23	ug/L	99
108)	1-Chlorohexane	91	15.901	15.901	0.856	155315	21.19	ug/L	96
109)	cis-1,4-Dichloro-2-butene	53	17.134	17.134	0.923	232791	110.43	ug/L	96
110)	Cyclohexanone	55	17.253	17.252	0.929	113406	528.75	ug/L	99
111)	trans-1,4-Dichloro-2-b...	53	17.430	17.430	0.939	195489	108.21	ug/L	95
112)	Pentachloroethane	167	18.142	18.142	0.977	429836	105.99	ug/L	95
113)	Benzyl chloride	91	18.723	18.735	1.008	1270735	108.14	ug/L	98
114)	bis(2-Chloroisopropyl)...	45	19.150	19.150	1.031	339288	111.47	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E217.D
Acq On : 08 Oct 2013 20:29
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-15|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD100S 5ML - MIX[B]
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 09 14:27:53 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E218.D
Acq On : 08 Oct 2013 20:58
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-16|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD250S 5ML - MIX[B]
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 09 14:27:56 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	1079553	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	456383	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	544211	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	0d	0.00	ug/L	
45) Toluene-d8	98	14.323	14.323	0.895	0d	0.00	ug/L	
63) Bromofluorobenzene	95	17.288	17.288	0.931	0d	0.00	ug/L	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		4.790	4.894	0.386	0m	N.D.	d	
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride		5.868	5.643	0.473	0m	N.D.	d	
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		7.659	7.647	0.618	0m	N.D.	d	
9) Acetone		8.204	8.181	0.662	0m	N.D.	d	
10) 1,1-Dichloroethylene		8.121	8.145	0.655	0m	N.D.	d	
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile		8.726	8.679	0.704	0m	N.D.	d	
13) Methyl acetate		8.726	8.702	0.704	0m	N.D.	d	
14) Carbon disulfide		8.726	8.619	0.704	0m	N.D.	d	
15) Methylene chloride		8.940	8.940	0.721	0m	N.D.	d	
16) tert-Butyl methyl ether		0.000	9.331	0.000	0	N.D.		
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		9.758	9.746	0.787	0m	N.D.	d	
19) Vinyl acetate		10.031	10.019	0.809	0m	N.D.	d	
20) 1,1-Dichloroethane		10.173	10.043	0.820	0m	N.D.	d	
21) 2-Butanone		10.861	10.837	0.876	0m	N.D.	d	
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		11.750	11.679	0.947	0m	N.D.	d	
28) 1,1-Dichloropropene		11.750	11.786	0.947	0m	N.D.	d	
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		12.118	12.082	0.977	0m	N.D.	d	
32) Benzene		12.082	12.082	0.974	0m	N.D.	d	
33) Cyclohexene		12.118	12.201	0.977	0m	N.D.	d	
34) n-Butyl alcohol		12.746	12.580	1.028	0m	N.D.	d	
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		
36) 2-Pentanone		13.161	12.995	1.061	0m	N.D.	d	
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		13.161	13.126	1.061	0m	N.D.	d	
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E218.D
Acq On : 08 Oct 2013 20:58
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-16|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD250S 5ML - MIX[B]
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 09 14:27:56 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41) 2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42) cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.		
44) 4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46) Toluene		14.406	14.406	0.900	0m	N.D. d		
47) trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.		
48) 1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49) 2-Hexanone		0.000	15.047	0.000	0	N.D.		
50) 1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.		
51) Tetrachloroethylene		15.059	15.059	0.941	0m	N.D. d		
52) Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53) 1,2-Dibromoethane		15.533	15.521	0.970	0m	N.D. d		
54) Chlorobenzene		0.000	16.043	0.000	0	N.D.		
55) 1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.		
56) Ethylbenzene		16.114	16.114	1.007	0m	N.D. d		
57) m,p-Xylenes		0.000	16.233	0.000	0	N.D.		
58) o-Xylene		0.000	16.695	0.000	0	N.D.		
59) Styrene		0.000	16.695	0.000	0	N.D.		
61) Bromoform		0.000	16.980	0.000	0	N.D.		
62) Isopropylbenzene		17.288	17.075	0.931	0m	N.D. d		
64) 1,1,2,2-Tetrachloroethane		17.430	17.383	0.939	0m	N.D. d		
65) 1,2,3-Trichloropropane		17.430	17.466	0.939	0m	N.D. d		
66) Bromobenzene		0.000	17.502	0.000	0	N.D.		
67) n-Propylbenzene		17.430	17.513	0.939	0m	N.D. d		
68) 1,3,5-Trimethylbenzene		17.679	17.668	0.952	0m	N.D. d		
69) 2-Chlorotoluene		17.668	17.668	0.951	0m	N.D. d		
70) 4-Chlorotoluene		17.786	17.774	0.958	0m	N.D. d		
71) tert-Butylbenzene		18.142	18.059	0.977	0m	N.D. d		
72) 1,2,4-Trimethylbenzene		18.106	18.106	0.975	0m	N.D. d		
73) sec-Butylbenzene		18.201	18.296	0.980	0m	N.D. d		
74) 4-Isopropyltoluene		18.426	18.426	0.992	0m	N.D. d		
75) 1,3-Dichlorobenzene		18.509	18.509	0.997	0m	N.D. d		
76) 1,4-Dichlorobenzene		18.604	18.604	1.002	0m	N.D. d		
77) n-Butylbenzene		18.735	18.901	1.009	0m	N.D. d		
78) 1,2-Dichlorobenzene		19.055	19.055	1.026	0m	N.D. d		
79) 1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80) 1,2,4-Trichlorobenzene		21.154	21.142	1.139	0m	N.D. d		
81) Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.		
82) Naphthalene		21.581	21.581	1.162	0m	N.D. d		
83) 1,2,3-Trichlorobenzene		21.960	21.960	1.183	0m	N.D. d		
85) Chlorotrifluoroethylene	116	4.790	4.790	0.386	616884	146.59	ug/L	100
86) 2-Chloro-1,1,1-trifluo...	118	5.868	5.868	0.473	1266782	136.01	ug/L	100
87) Acrolein	56	7.932	7.932	0.640	218859	275.67	ug/L	100
88) Trichlorotrifluoroethane	101	8.121	8.121	0.655	1515399	235.32	ug/L	100
89) Isopropyl Alcohol	45	8.347	8.347	0.673	940930	2418.00	ug/L	100
90) Allyl chloride	76	8.726	8.726	0.704	699049	260.02	ug/L	100
91) tert-Butyl Alcohol	59	8.999	8.999	0.726	1595829	2307.60	ug/L	100
92) Acrylonitrile	53	9.331	9.331	0.752	461281	249.23	ug/L	100
93) Isopropyl ether	45	10.031	10.031	0.809	886259	51.04	ug/L	100
94) 2-Chloro-1,3-butadiene	53	10.173	10.173	0.820	369863	55.39	ug/L	100
95) Ethyl tert-butyl ether	59	10.564	10.564	0.852	926984	51.65	ug/L	100
96) Ethyl acetate	43	10.861	10.861	0.876	1047329	243.55	ug/L	100

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E218.D
Acq On : 08 Oct 2013 20:58
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-16|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD250S 5ML - MIX[B]
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 09 14:27:56 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

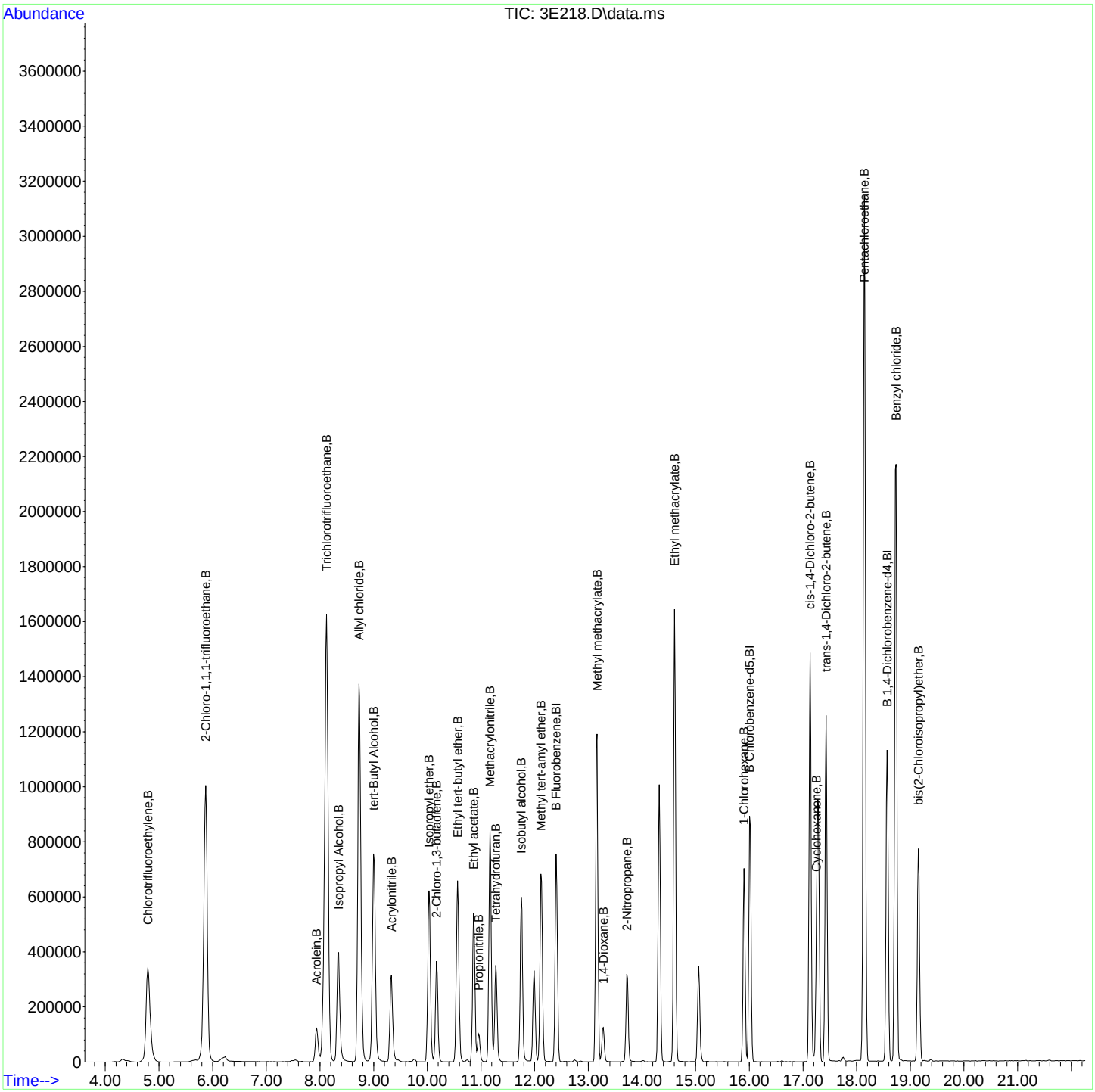
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
97)	Propionitrile	54	10.956	10.956	0.883	165000	253.33	ug/L	100
98)	Methacrylonitrile	41	11.169	11.169	0.901	669489	249.45	ug/L	100
99)	Tetrahydrofuran	42	11.276	11.276	0.909	338186	234.92	ug/L	100
100)	Isobutyl alcohol	43	11.750	11.750	0.947	569820	2511.05	ug/L	100
101)	Methyl tert-amyl ether	73	12.118	12.118	0.977	823605	52.32	ug/L	100
102)	Methyl methacrylate	69	13.161	13.161	1.061	731875	271.59	ug/L	100
103)	1,4-Dioxane	88	13.280	13.280	1.071	143782	2478.92	ug/L	100
104)	2-Nitropropane	43	13.719	13.719	1.106	380624	262.80	ug/L	100
106)	Ethyl methacrylate	69	14.608	14.608	0.913	1323519	262.84	ug/L	100
108)	1-Chlorohexane	91	15.901	15.901	0.856	388478	55.16	ug/L	100
109)	cis-1,4-Dichloro-2-butene	53	17.134	17.134	0.923	519209	256.38	ug/L	100
110)	Cyclohexanone	55	17.252	17.252	0.929	261870	1270.96	ug/L	100
111)	trans-1,4-Dichloro-2-b...	53	17.430	17.430	0.939	433558	249.82	ug/L	100
112)	Pentachloroethane	167	18.142	18.142	0.977	1071380	275.00	ug/L	100
113)	Benzyl chloride	91	18.735	18.735	1.009	2883641	255.44	ug/L	100
114)	bis(2-Chloroisopropyl)...	45	19.150	19.150	1.031	754684	258.09	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E218.D
Acq On : 08 Oct 2013 20:58
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-16|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD250S 5ML - MIX[B]
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 09 14:27:56 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E219.D
Acq On : 08 Oct 2013 21:26
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-17|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD500S 5ML - MIX[B]
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 14:27:59 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	0m	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	0m	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	0m	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	1107775	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	477614	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	579261	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	0d	0.00	ug/L	
45) Toluene-d8	98	14.323	14.323	0.895	0d	0.00	ug/L	
63) Bromofluorobenzene	95	17.288	17.288	0.931	0d	0.00	ug/L	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		4.790	4.894	0.386	0m	N.D.	d	
3) Chloromethane		5.310	5.325	0.428	0m	N.D.	d	
4) Vinyl chloride		5.868	5.643	0.473	0m	N.D.	d	
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		7.659	7.647	0.618	0m	N.D.	d	
9) Acetone		8.121	8.181	0.655	0m	N.D.	d	
10) 1,1-Dichloroethylene		8.121	8.145	0.655	0m	N.D.	d	
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile		8.726	8.679	0.704	0m	N.D.	d	
13) Methyl acetate		8.726	8.702	0.704	0m	N.D.	d	
14) Carbon disulfide		8.726	8.619	0.704	0m	N.D.	d	
15) Methylene chloride		8.940	8.940	0.721	0m	N.D.	d	
16) tert-Butyl methyl ether		0.000	9.331	0.000	0	N.D.		
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		9.758	9.746	0.787	0m	N.D.	d	
19) Vinyl acetate		10.031	10.019	0.809	0m	N.D.	d	
20) 1,1-Dichloroethane		10.173	10.043	0.820	0m	N.D.	d	
21) 2-Butanone		10.861	10.837	0.876	0m	N.D.	d	
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		11.750	11.679	0.947	0m	N.D.	d	
28) 1,1-Dichloropropene		11.750	11.786	0.947	0m	N.D.	d	
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		12.118	12.082	0.977	0m	N.D.	d	
32) Benzene		12.094	12.082	0.975	0m	N.D.	d	
33) Cyclohexene		12.118	12.201	0.977	0m	N.D.	d	
34) n-Butyl alcohol		12.568	12.580	1.013	0m	N.D.	d	
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		
36) 2-Pentanone		13.019	12.995	1.050	0m	N.D.	d	
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		13.161	13.126	1.061	0m	N.D.	d	
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E219.D
Acq On : 08 Oct 2013 21:26
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-17|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD500S 5ML - MIX[B]
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 14:27:59 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		
40)	Bromodichloromethane		0.000	13.458	0.000	0	N.D.			
41)	2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.			
42)	cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.			
44)	4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.			
46)	Toluene		14.406	14.406	0.900	0m	N.D.	d		
47)	trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.			
48)	1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.			
49)	2-Hexanone		0.000	15.047	0.000	0	N.D.			
50)	1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.			
51)	Tetrachloroethylene		15.059	15.059	0.941	0m	N.D.	d		
52)	Dibromochloromethane		0.000	15.343	0.000	0	N.D.			
53)	1,2-Dibromoethane		15.533	15.521	0.970	0m	N.D.	d		
54)	Chlorobenzene		0.000	16.043	0.000	0	N.D.			
55)	1,1,1,2-Tetrachloroethane		16.114	16.114	1.007	0m	N.D.	d		
56)	Ethylbenzene		16.114	16.114	1.007	0m	N.D.	d		
57)	m,p-Xylenes		0.000	16.233	0.000	0	N.D.			
58)	o-Xylene		0.000	16.695	0.000	0	N.D.			
59)	Styrene		0.000	16.695	0.000	0	N.D.			
61)	Bromoform		0.000	16.980	0.000	0	N.D.			
62)	Isopropylbenzene		17.288	17.075	0.931	0m	N.D.	d		
64)	1,1,2,2-Tetrachloroethane		17.430	17.383	0.939	0m	N.D.	d		
65)	1,2,3-Trichloropropane		17.430	17.466	0.939	0m	N.D.	d		
66)	Bromobenzene		0.000	17.502	0.000	0	N.D.			
67)	n-Propylbenzene		17.430	17.513	0.939	0m	N.D.	d		
68)	1,3,5-Trimethylbenzene		0.000	17.668	0.000	0	N.D.			
69)	2-Chlorotoluene		17.667	17.668	0.951	0m	N.D.	d		
70)	4-Chlorotoluene		17.774	17.774	0.957	0m	N.D.	d		
71)	tert-Butylbenzene		18.142	18.059	0.977	0m	N.D.	d		
72)	1,2,4-Trimethylbenzene		18.106	18.106	0.975	0m	N.D.	d		
73)	sec-Butylbenzene		18.189	18.296	0.980	0m	N.D.	d		
74)	4-Isopropyltoluene		18.438	18.426	0.993	0m	N.D.	d		
75)	1,3-Dichlorobenzene		18.498	18.509	0.996	0m	N.D.	d		
76)	1,4-Dichlorobenzene		18.604	18.604	1.002	0m	N.D.	d		
77)	n-Butylbenzene		18.723	18.901	1.008	0m	N.D.	d		
78)	1,2-Dichlorobenzene		19.055	19.055	1.026	0m	N.D.	d		
79)	1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.			
80)	1,2,4-Trichlorobenzene		21.154	21.142	1.139	0m	N.D.	d		
81)	Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.			
82)	Naphthalene		21.581	21.581	1.162	0m	N.D.	d		
83)	1,2,3-Trichlorobenzene		21.960	21.960	1.183	0m	N.D.	d		
85)	Chlorotrifluoroethylene	116	4.790	4.790	0.386	888051	206.41	ug/L	99	A
86)	2-Chloro-1,1,1-trifluo...	118	5.868	5.868	0.473	1774670	185.68	ug/L	98	
87)	Acrolein	56	7.932	7.932	0.640	436882	536.27	ug/L	98	A
88)	Trichlorotrifluoroethane	101	8.121	8.121	0.655	2403494	363.72	ug/L	98	
89)	Isopropyl Alcohol	45	8.335	8.347	0.672	1845043	4620.60	ug/L	99	
90)	Allyl chloride	76	8.726	8.726	0.704	1198718	434.52	ug/L	95	
91)	tert-Butyl Alcohol	59	9.011	8.999	0.727	3108277	4380.12	ug/L	98	
92)	Acrylonitrile	53	9.331	9.331	0.752	850646	447.90	ug/L	99	
93)	Isopropyl ether	45	10.031	10.031	0.809	1700871	95.46	ug/L	98	
94)	2-Chloro-1,3-butadiene	53	10.173	10.173	0.820	646918	94.41	ug/L	98	
95)	Ethyl tert-butyl ether	59	10.564	10.564	0.852	1834939	99.63	ug/L	99	
96)	Ethyl acetate	43	10.861	10.861	0.876	1752841	397.23	ug/L	99	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E219.D
Acq On : 08 Oct 2013 21:26
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-17|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD500S 5ML - MIX[B]
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 14:27:59 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

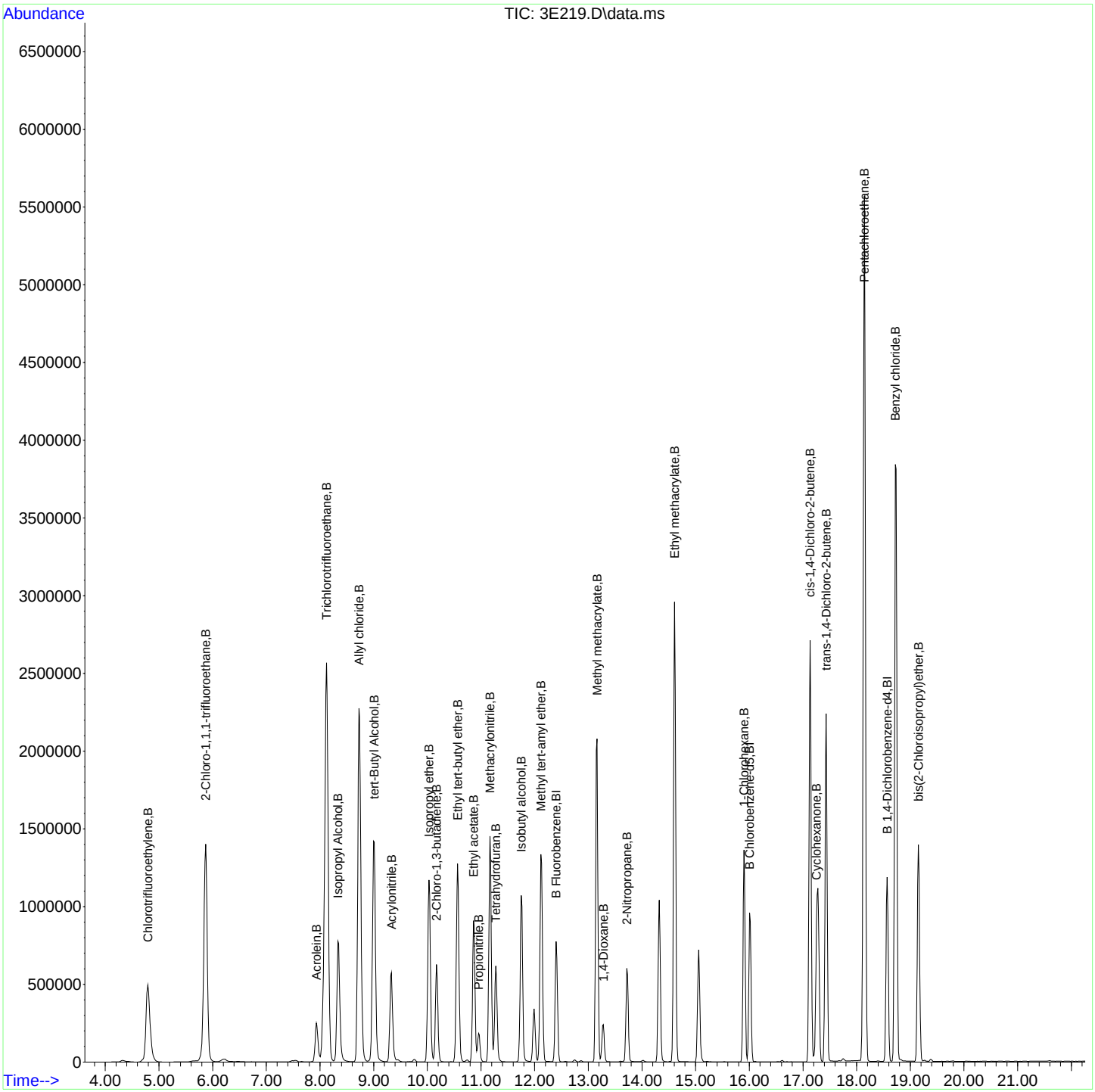
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		
97)	Propionitrile	54	10.956	10.956	0.883	303497	454.09	ug/L	98	
98)	Methacrylonitrile	41	11.169	11.169	0.901	1155362	419.52	ug/L	97	
99)	Tetrahydrofuran	42	11.276	11.276	0.909	605525	409.91	ug/L	99	
100)	Isobutyl alcohol	43	11.750	11.750	0.947	1053858	4525.77	ug/L	96	
101)	Methyl tert-amyl ether	73	12.118	12.118	0.977	1674684	103.68	ug/L	98	A
102)	Methyl methacrylate	69	13.161	13.161	1.061	1308430	473.17	ug/L	97	
103)	1,4-Dioxane	88	13.280	13.280	1.071	285831	4802.42	ug/L	98	
104)	2-Nitropropane	43	13.719	13.719	1.106	736486	493.79	ug/L	98	
106)	Ethyl methacrylate	69	14.608	14.608	0.913	2411177	457.56	ug/L	97	
108)	1-Chlorohexane	91	15.901	15.901	0.856	803963	107.25	ug/L	96	A
109)	cis-1,4-Dichloro-2-butene	53	17.134	17.134	0.923	929765	431.33	ug/L	96	
110)	Cyclohexanone	55	17.252	17.252	0.929	498030	2270.87	ug/L	98	
111)	trans-1,4-Dichloro-2-b...	53	17.430	17.430	0.939	750555	406.31	ug/L	95	
112)	Pentachloroethane	167	18.142	18.142	0.977	1933518	466.27	ug/L	99	
113)	Benzyl chloride	91	18.723	18.735	1.008	5056391	420.80	ug/L	98	
114)	bis(2-Chloroisopropyl)...	45	19.150	19.150	1.031	1357453	436.14	ug/L	95	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E219.D
Acq On : 08 Oct 2013 21:26
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-17|ICAL|1|VOA|1|VOA8260BL|
Misc : VSTD500S 5ML - MIX[B]
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 14:27:59 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 335204

Instrument ID: VOA3.I

Injection Date: 08-OCT-13 22:23

Data File: 100813V3\3E221.D

Init. Cal. Date(s) 08-OCT-13 13:16 - 08-OCT-13 21:2

Lab Sample ID W3VM131008-18

Method: 100813V3\VOA3-8260-100813.M

Quant Type ISTD

Method Update: 09-OCT-13 07:01

	Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
S	1,2-Dichloroethane-d4	0.1907	0.18634		.01		-2.28631	60		Averaged
S	Toluene-d8	2.2414	2.25756		.01		0.72098	60		Averaged
S	Bromofluorobenzene	0.9103	0.90624		.01		-0.44601	60		Averaged
	Trichlorotrifluoroethane	0.2983	0.28216		.01		-5.41066	60		Averaged
	Ethyl acetate	0.1992	0.17141		.01		-13.9508	60		Averaged
	Tetrahydrofuran	0.0667	0.05762		.01		-13.61319	60		Averaged
	1,4-Dioxane	0.0027	0.0026		.01		-3.7037	60		Averaged

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E221.D
Acq On : 08 Oct 2013 22:23
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-18|ICV|1|VOA|1|VOA8260BL|
Misc : ICV 5ML - MIX[B] 0926-08A+0920-08A+16A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 09 14:28:06 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	1097359	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	473624	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	564282	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	1097359	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	473624	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	564282	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	204483	48.86	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	1069233	50.36	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	511377	49.78	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		4.790	4.894	0.386	0m	N.D.	d	
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride		5.880	5.643	0.474	0m	N.D.	d	
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		0.000	7.647	0.000	0	N.D.		
9) Acetone		8.121	8.181	0.655	0m	N.D.	d	
10) 1,1-Dichloroethylene		8.121	8.145	0.655	0m	N.D.	d	
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile		8.726	8.679	0.704	0m	N.D.	d	
13) Methyl acetate		8.726	8.702	0.704	0m	N.D.	d	
14) Carbon disulfide		8.738	8.619	0.705	0m	N.D.	d	
15) Methylene chloride		8.940	8.940	0.721	0m	N.D.	d	
16) tert-Butyl methyl ether		9.331	9.331	0.752	0m	N.D.	d	
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		9.758	9.746	0.787	0m	N.D.	d	
19) Vinyl acetate		10.031	10.019	0.809	0m	N.D.	d	
20) 1,1-Dichloroethane		10.173	10.043	0.820	0m	N.D.	d	
21) 2-Butanone		10.849	10.837	0.875	0m	N.D.	d	
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		11.288	11.276	0.910	0m	N.D.	d	
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		11.750	11.679	0.947	0m	N.D.	d	
28) 1,1-Dichloropropene		11.750	11.786	0.947	0m	N.D.	d	
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		12.118	12.082	0.977	0m	N.D.	d	
32) Benzene		0.000	12.082	0.000	0	N.D.		
33) Cyclohexene		12.118	12.201	0.977	0m	N.D.	d	
34) n-Butyl alcohol		12.746	12.580	1.028	0m	N.D.	d	
35) Trichloroethylene		12.865	12.853	1.037	0m	N.D.	d	
36) 2-Pentanone		13.161	12.995	1.061	0m	N.D.	d	
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		13.161	13.126	1.061	0m	N.D.	d	
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E221.D
Acq On : 08 Oct 2013 22:23
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-18|ICV|1|VOA|1|VOA8260BL|
Misc : ICV 5ML - MIX[B] 0926-08A+0920-08A+16A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 09 14:28:06 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40) Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41) 2-Chloroethylvinyl ether		13.742	13.730	1.108	0m	N.D.	d	
42) cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.		
44) 4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46) Toluene		14.406	14.406	0.900	0m	N.D.	d	
47) trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.		
48) 1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49) 2-Hexanone		0.000	15.047	0.000	0	N.D.		
50) 1,3-Dichloropropane		15.094	15.059	0.943	0m	N.D.	d	
51) Tetrachloroethylene		15.059	15.059	0.941	0m	N.D.	d	
52) Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53) 1,2-Dibromoethane		15.533	15.521	0.970	0m	N.D.	d	
54) Chlorobenzene		0.000	16.043	0.000	0	N.D.		
55) 1,1,1,2-Tetrachloroethane		16.114	16.114	1.007	0m	N.D.	d	
56) Ethylbenzene		16.114	16.114	1.007	0m	N.D.	d	
57) m,p-Xylenes		16.233	16.233	1.014	0m	N.D.	d	
58) o-Xylene		0.000	16.695	0.000	0	N.D.		
59) Styrene		16.695	16.695	1.043	0m	N.D.	d	
61) Bromoform		0.000	16.980	0.000	0	N.D.		
62) Isopropylbenzene		17.075	17.075	0.920	0m	N.D.	d	
64) 1,1,2,2-Tetrachloroethane		17.430	17.383	0.939	0m	N.D.	d	
65) 1,2,3-Trichloropropane		17.430	17.466	0.939	0m	N.D.	d	
66) Bromobenzene		0.000	17.502	0.000	0	N.D.		
67) n-Propylbenzene		17.430	17.513	0.939	0m	N.D.	d	
68) 1,3,5-Trimethylbenzene		0.000	17.668	0.000	0	N.D.		
69) 2-Chlorotoluene		17.679	17.668	0.952	0m	N.D.	d	
70) 4-Chlorotoluene		17.786	17.774	0.958	0m	N.D.	d	
71) tert-Butylbenzene		18.142	18.059	0.977	0m	N.D.	d	
72) 1,2,4-Trimethylbenzene		18.106	18.106	0.975	0m	N.D.	d	
73) sec-Butylbenzene		0.000	18.296	0.000	0	N.D.		
74) 4-Isopropyltoluene		0.000	18.426	0.000	0	N.D.		
75) 1,3-Dichlorobenzene		18.509	18.509	0.997	0m	N.D.	d	
76) 1,4-Dichlorobenzene		18.604	18.604	1.002	0m	N.D.	d	
77) n-Butylbenzene		18.735	18.901	1.009	0m	N.D.	d	
78) 1,2-Dichlorobenzene		19.055	19.055	1.026	0m	N.D.	d	
79) 1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80) 1,2,4-Trichlorobenzene		21.154	21.142	1.139	0m	N.D.	d	
81) Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.		
82) Naphthalene		21.581	21.581	1.162	0m	N.D.	d	
83) 1,2,3-Trichlorobenzene		21.960	21.960	1.183	0m	N.D.	d	
85) Chlorotrifluoroethylene	116	4.790	4.790	0.386	548692	128.04	ug/L	100
86) 2-Chloro-1,1,1-trifluo...	118	5.880	5.868	0.474	1135732	119.96	ug/L	99
87) Acrolein	56	7.932	7.932	0.640	221582	274.57	ug/L	97
88) Trichlorotrifluoroethane	101	8.121	8.121	0.655	1548172	236.51	ug/L	99
89) Isopropyl Alcohol	45	8.335	8.347	0.672	928332	2346.92	ug/L	100
90) Allyl chloride	76	8.738	8.726	0.705	655136	239.73	ug/L	99
91) tert-Butyl Alcohol	59	8.999	8.999	0.726	1560445	2219.82	ug/L	100
92) Acrylonitrile	53	9.331	9.331	0.752	426537	226.72	ug/L	99
93) Isopropyl ether	45	10.031	10.031	0.809	848462	48.07	ug/L	99
94) 2-Chloro-1,3-butadiene	53	10.173	10.173	0.820	327476	48.25	ug/L	98
95) Ethyl tert-butyl ether	59	10.564	10.564	0.852	916426	50.23	ug/L	99
96) Ethyl acetate	43	10.861	10.861	0.876	940501	215.16	ug/L	100

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E221.D
Acq On : 08 Oct 2013 22:23
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-18|ICV|1|VOA|1|VOA8260BL|
Misc : ICV 5ML - MIX[B] 0926-08A+0920-08A+16A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 09 14:28:06 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

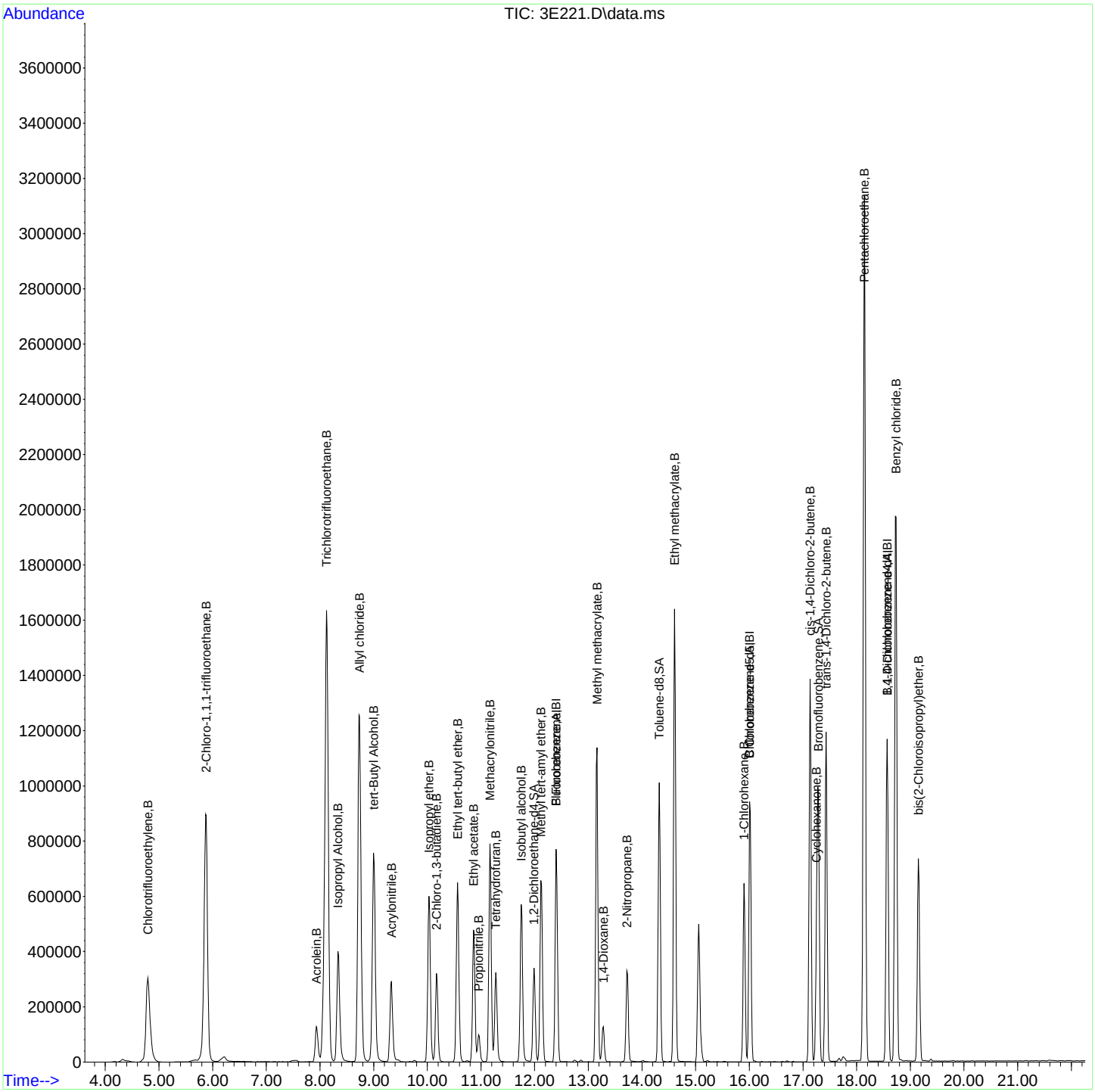
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
97)	Propionitrile	54	10.956	10.956	0.883	158828	239.90	ug/L	98
98)	Methacrylonitrile	41	11.169	11.169	0.901	627019	229.84	ug/L	100
99)	Tetrahydrofuran	42	11.276	11.276	0.909	316130	216.04	ug/L	98
100)	Isobutyl alcohol	43	11.750	11.750	0.947	551747	2391.96	ug/L	98
101)	Methyl tert-amyl ether	73	12.118	12.118	0.977	807263	50.45	ug/L	100
102)	Methyl methacrylate	69	13.161	13.161	1.061	699522	255.37	ug/L	99
103)	1,4-Dioxane	88	13.280	13.280	1.071	142771	2421.55	ug/L	100
104)	2-Nitropropane	43	13.719	13.719	1.106	393944	267.55	ug/L	100
106)	Ethyl methacrylate	69	14.608	14.608	0.913	1333916	255.26	ug/L	99
108)	1-Chlorohexane	91	15.901	15.901	0.856	360884	49.42	ug/L	99
109)	cis-1,4-Dichloro-2-butene	53	17.134	17.134	0.923	480773	228.96	ug/L	99
110)	Cyclohexanone	55	17.252	17.252	0.929	265849	1244.37	ug/L	96
111)	trans-1,4-Dichloro-2-b...	53	17.430	17.430	0.939	412738	229.36	ug/L	100
112)	Pentachloroethane	167	18.142	18.142	0.977	1063728	263.33	ug/L	100
113)	Benzyl chloride	91	18.735	18.735	1.009	2656304	226.93	ug/L	99
114)	bis(2-Chloroisopropyl)...	45	19.150	19.150	1.031	721127	237.84	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E221.D
Acq On : 08 Oct 2013 22:23
Operator : CDS1
InstName : VOA3
Sample : |W3VM131008-18|ICV|1|VOA|1|VOA8260BL|
Misc : ICV 5ML - MIX[B] 0926-08A+0920-08A+16A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 09 14:28:06 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 335204

Instrument ID: VOA3.I **Injection Date:** 21-OCT-13 19:34

Data File: 102113V3\3G127.D **Init. Cal. Date(s)** 08-OCT-13 13:16 - 08-OCT-13 21:2

Lab Sample ID W3VM131021-06 **Method:** 100813V3\VOA3-8260-100813.M

Quant Type ISTD **Method Update:** 09-OCT-13 07:01

	Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type	
S	1,2-Dichloroethane-d4	0.1907	0.17401		.01		-8.75197	60		Averaged	
S	Toluene-d8	2.2414	2.22426		.01		-0.7647	60		Averaged	
S	Bromofluorobenzene	0.9103	0.86076		.01		-5.44216	60		Averaged	
	Dichlorodifluoromethane	0.3909	0.37918		.01		-2.99821	60		Averaged	
	Chloromethane	0.2824	0.26679		.1		-5.52762	60		Averaged	SPCC
	Vinyl chloride	0.3348	0.32774		.01		-2.10872	20		Averaged	CCC
	Bromomethane	0.2664	0.25683		.01		-3.59234	60		Averaged	
	Chloroethane	0.2298	0.20469		.01		-10.92689	60		Averaged	
	Trichlorofluoromethane	0.7276	0.67624		.01		-7.05882	60		Averaged	
	1,1-Dichloroethylene	0.5056	0.44222		.01		-12.5356	20		Averaged	CCC
	Acetone	250	202.74	250			-18.904	60		Linear	
	Carbon disulfide	0.8527	0.72644		.01		-14.80708	60		Averaged	
	Methyl acetate	0.0358	0.03072		.01		-14.18994	60		Averaged	
	Methylene chloride	50	46.93	50			-6.14	60		Linear	
	tert-Butyl methyl ether	0.7665	0.70793		.01		-7.64123	60		Averaged	
	trans-1,2-Dichloroethylene	0.3908	0.32493		.01		-16.85517	60		Averaged	
	1,1-Dichloroethane	0.5004	0.38024		.1		-24.01279	60		Averaged	SPCC
	2-Butanone	0.0349	0.03244		.01		-7.04871	60		Averaged	
	cis-1,2-Dichloroethylene	0.3	0.25867		.01		-13.77667	60		Averaged	
	Bromochloromethane	0.1743	0.15449		.01		-11.36546	60		Averaged	
	Chloroform	0.5572	0.46559		.01		-16.44113	20		Averaged	CCC
	1,1,1-Trichloroethane	0.5181	0.44626		.01		-13.86605	60		Averaged	
	Cyclohexane	0.3857	0.32464		.01		-15.83096	60		Averaged	
	Carbon tetrachloride	0.4977	0.43327		.01		-12.94555	60		Averaged	
	1,2-Dichloroethane	0.4003	0.33721		.01		-15.76068	60		Averaged	
	Benzene	0.8815	0.71738		.01		-18.61826	60		Averaged	
	Trichloroethylene	0.2656	0.23086		.01		-13.07982	60		Averaged	
	Methylcyclohexane	0.4223	0.37664		.01		-10.81222	60		Averaged	
	1,2-Dichloropropane	0.2293	0.18394		.01		-19.78195	20		Averaged	CCC
	Bromodichloromethane	0.3888	0.35413		.01		-8.91718	60		Averaged	
	cis-1,3-Dichloropropylene	0.3737	0.3543		.01		-5.19133	60		Averaged	
	4-Methyl-2-pentanone	0.1842	0.17378		.01		-5.65689	60		Averaged	
	Toluene	2.1212	1.85516		.01		-12.54196	20		Averaged	CCC
	trans-1,3-Dichloropropylene	0.8326	0.788		.01		-5.35671	60		Averaged	
	1,1,2-Trichloroethane	0.4143	0.36326		.01		-12.31958	60		Averaged	
	2-Hexanone	0.2041	0.18338		.01		-10.15189	60		Averaged	
	Tetrachloroethylene	0.4832	0.41375		.01		-14.37293	60		Averaged	

Continuing Calibration Summary

Instrument ID: VOA3.I **Injection Date:** 21-OCT-13 19:34

Data File: 102113V3\3G127.D **Init. Cal. Date(s)** 08-OCT-13 13:16 08-OCT-13 21:2

Lab Sample ID W3VM131021-06 **Method:** 100813V3\VOA3-8260-100813.M

Quant Type ISTD

Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type	
Dibromochloromethane	0.7325	0.71007		.01		-3.06212	60		Averaged	
1,2-Dibromoethane	0.5775	0.53388		.01		-7.55325	60		Averaged	
Chlorobenzene	1.5645	1.41123		.3		-9.79674	60		Averaged	SPCC
Ethylbenzene	2.4329	2.13743		.01		-12.14477	20		Averaged	CCC
m,p-Xylenes	0.9901	0.9016		.01		-8.93849	60		Averaged	
o-Xylene	1.0526	0.96813		.01		-8.02489	60		Averaged	
Styrene	1.6583	1.53008		.01		-7.73201	60		Averaged	
Bromoform	0.3662	0.38356		.1		4.74058	60		Averaged	SPCC
Isopropylbenzene	2.3048	2.14858		.01		-6.77803	60		Averaged	
1,1,2,2-Tetrachloroethane	0.6171	0.55837		.3		-9.5171	60		Averaged	SPCC
1,3-Dichlorobenzene	1.4599	1.23203		.01		-15.6086	60		Averaged	
1,4-Dichlorobenzene	1.3433	1.15585		.01		-13.95444	60		Averaged	
1,2-Dichlorobenzene	1.425	1.26221		.01		-11.42386	60		Averaged	
1,2-Dibromo-3-chloropropane	0.1653	0.1713		.01		3.62976	60		Averaged	
1,2,4-Trichlorobenzene	1.1488	1.02265		.01		-10.98102	60		Averaged	
1,2,3-Trichlorobenzene	1.1549	1.0655		.01		-7.74093	60		Averaged	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G127.D
Acq On : 21 Oct 2013 19:34
Operator : CDS1
InstName : VOA3
Sample : |W3VM131021-06|CCV|1|VOA|1|VOA8260BL|
Misc : CCV 5ML - MIX[A] 0916-07H+0917-07F
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 22 07:33:19 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.403	12.402	1.000	925953	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.008	16.007	1.000	405842	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	480590	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.403	12.402	1.000	925953	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.008	16.007	1.000	405842	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	480590	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	161127	45.63	ug/L	0.00
45) Toluene-d8	98	14.324	14.323	0.895	902697	49.62	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	413672	47.28	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	351104	48.50	ug/L	99
3) Chloromethane	50	5.325	5.325	0.429	247031	47.24	ug/L	100
4) Vinyl chloride	62	5.643	5.643	0.455	303470	48.94	ug/L	99
5) Bromomethane	96	6.402	6.402	0.516	237811	48.20	ug/L	99
6) Chloroethane	64	6.616	6.627	0.533	189534	44.54	ug/L	100
7) Trichlorofluoromethane	101	7.197	7.196	0.580	626168	46.47	ug/L	100
8) Ethyl ether	59	7.647	7.647	0.617	178877	47.80	ug/L	92
9) Acetone	58	8.181	8.181	0.660	165749	202.74	ug/L	95
10) 1,1-Dichloroethylene	61	8.145	8.145	0.657	409477	43.73	ug/L	96
11) Iodomethane	142	8.454	8.442	0.682	2448858	228.17	ug/L	98
12) Acetonitrile	41	8.679	8.679	0.700	597077	1112.86	ug/L	99
13) Methyl acetate	74	8.703	8.702	0.702	142248	214.69	ug/L	91
14) Carbon disulfide	76	8.620	8.619	0.695	3363233	212.97	ug/L	100
15) Methylene chloride	84	8.940	8.940	0.721	262356	46.93	ug/L	95
16) tert-Butyl methyl ether	73	9.331	9.331	0.752	655514	46.18	ug/L	100
17) trans-1,2-Dichloroethy...	61	9.379	9.378	0.756	300867	41.57	ug/L	96
18) Hexane	57	9.758	9.746	0.787	255331	40.64	ug/L	96
19) Vinyl acetate	43	10.019	10.019	0.808	1730061	222.35	ug/L	98
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	352084	37.99	ug/L	99
21) 2-Butanone	72	10.837	10.837	0.874	150188	232.23	ug/L	90
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	239519	43.11	ug/L	94
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	358095	43.06	ug/L	95
24) Bromochloromethane	128	11.229	11.217	0.905	143054	44.33	ug/L	90
25) Chloroform	83	11.288	11.276	0.910	431115	41.78	ug/L	99
26) 1,1,1-Trichloroethane	97	11.584	11.584	0.934	413217	43.07	ug/L	97
27) Cyclohexane	56	11.679	11.679	0.942	300599	42.08	ug/L	99
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	260503	42.38	ug/L	95
29) Carbon tetrachloride	117	11.821	11.809	0.953	401186	43.53	ug/L	99
31) 1,2-Dichloroethane	62	12.082	12.082	0.974	312238	42.12	ug/L	99
32) Benzene	78	12.082	12.082	0.974	664262	40.69	ug/L	100
33) Cyclohexene	67	12.201	12.201	0.984	341437	44.96	ug/L	96
34) n-Butyl alcohol	56	12.580	12.580	1.014	582335	5271.43	ug/L	96
35) Trichloroethylene	95	12.865	12.853	1.037	213763	43.46	ug/L	98
36) 2-Pentanone	43	12.995	12.995	1.048	700882	233.87	ug/L	98
37) 1,2-Dichloropropane	63	13.161	13.161	1.061	170321	40.11	ug/L	99
38) Methylcyclohexane	83	13.126	13.126	1.058	348747	44.60	ug/L	96
39) Dibromomethane	93	13.316	13.315	1.074	153464	45.61	ug/L	99

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G127.D
Acq On : 21 Oct 2013 19:34
Operator : CDS1
InstName : VOA3
Sample : |W3VM131021-06|CCV|1|VOA|1|VOA8260BL|
Misc : CCV 5ML - MIX[A] 0916-07H+0917-07F
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 22 07:33:19 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40)	Bromodichloromethane	83	13.458	13.458	1.085	327910	45.54	ug/L	100
41)	2-Chloroethylvinyl ether	63	13.731	13.730	1.107	504592	242.29	ug/L	98
42)	cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	328061	47.41	ug/L	97
44)	4-Methyl-2-pentanone	58	14.098	14.098	0.881	352633	235.86	ug/L	95
46)	Toluene	91	14.407	14.406	0.900	752900	43.73	ug/L	100
47)	trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	319804	47.32	ug/L	97
48)	1,1,2-Trichloroethane	83	14.845	14.845	0.927	147426	43.85	ug/L	97
49)	2-Hexanone	58	15.059	15.047	0.941	372122	224.65	ug/L	96
50)	1,3-Dichloropropane	76	15.059	15.059	0.941	269999	42.05	ug/L	94
51)	Tetrachloroethylene	164	15.059	15.059	0.941	167918	42.82	ug/L	99
52)	Dibromochloromethane	129	15.355	15.343	0.959	288178	48.47	ug/L	98
53)	1,2-Dibromoethane	107	15.533	15.521	0.970	216669	46.22	ug/L	99
54)	Chlorobenzene	112	16.043	16.043	1.002	572735	45.10	ug/L	98
55)	1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	265128	46.29	ug/L	99
56)	Ethylbenzene	91	16.114	16.114	1.007	867458	43.93	ug/L	99
57)	m,p-Xylenes	106	16.233	16.233	1.014	731816	91.07	ug/L	99
58)	o-Xylene	106	16.695	16.695	1.043	392906	45.99	ug/L	98
59)	Styrene	104	16.695	16.695	1.043	620970	46.13	ug/L	97
61)	Bromoform	173	16.980	16.980	0.914	184337	52.37	ug/L	99
62)	Isopropylbenzene	105	17.075	17.075	0.920	1032586	46.61	ug/L	99
64)	1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	268345	45.24	ug/L	99
65)	1,2,3-Trichloropropane	75	17.478	17.466	0.941	243763	42.48	ug/L	98
66)	Bromobenzene	156	17.502	17.502	0.943	293971	43.81	ug/L	96
67)	n-Propylbenzene	91	17.514	17.513	0.943	1110148	43.84	ug/L	100
68)	1,3,5-Trimethylbenzene	105	17.668	17.668	0.951	899275	46.55	ug/L	99
69)	2-Chlorotoluene	126	17.680	17.668	0.952	290755	45.50	ug/L	97
70)	4-Chlorotoluene	91	17.774	17.774	0.957	755077	43.04	ug/L	98
71)	tert-Butylbenzene	134	18.059	18.059	0.973	227787	50.65	ug/L	98
72)	1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	945332	46.20	ug/L	99
73)	sec-Butylbenzene	105	18.296	18.296	0.985	1290550	47.39	ug/L	100
74)	4-Isopropyltoluene	119	18.427	18.426	0.992	1094711	47.60	ug/L	99
75)	1,3-Dichlorobenzene	146	18.510	18.509	0.997	592103	42.19	ug/L	100
76)	1,4-Dichlorobenzene	146	18.605	18.604	1.002	555488	43.02	ug/L	98
77)	n-Butylbenzene	91	18.901	18.901	1.018	977955	46.95	ug/L	99
78)	1,2-Dichlorobenzene	146	19.055	19.055	1.026	606604	44.29	ug/L	99
79)	1,2-Dibromo-3-chloropr...	157	20.016	20.015	1.078	82323	51.82	ug/L	99
80)	1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	491474	44.51	ug/L	99
81)	Hexachlorobutadiene	225	21.320	21.320	1.148	287417	44.43	ug/L	99
82)	Naphthalene	128	21.581	21.581	1.162	1383714	50.46	ug/L	100
83)	1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	512069	46.13	ug/L	99
85)	Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86)	2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87)	Acrolein		0.000	7.932	0.000	0	N.D.		
88)	Trichlorotrifluoroethane		8.133	8.121	0.656	0m	N.D.	d	
89)	Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.		
90)	Allyl chloride		8.620	8.726	0.695	0m	N.D.	d	
91)	tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.		
92)	Acrylonitrile		9.331	9.331	0.752	0m	N.D.	d	
93)	Isopropyl ether		10.019	10.031	0.808	0m	N.D.	d	
94)	2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.		
95)	Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.		
96)	Ethyl acetate		10.837	10.861	0.874	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G127.D
Acq On : 21 Oct 2013 19:34
Operator : CDS1
InstName : VOA3
Sample : |W3VM131021-06|CCV|1|VOA|1|VOA8260BL|
Misc : CCV 5ML - MIX[A] 0916-07H+0917-07F
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 22 07:33:19 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
97)	Propionitrile		10.837	10.956	0.874	0m	N.D.	d
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.276	11.276	0.909	0m	N.D.	d
100)	Isobutyl alcohol		11.679	11.750	0.942	0m	N.D.	d
101)	Methyl tert-amyl ether		12.082	12.118	0.974	0m	N.D.	d
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		13.731	13.719	1.107	0m	N.D.	d
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		17.063	17.134	0.919	0m	N.D.	d
110)	Cyclohexanone		17.276	17.252	0.930	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		17.514	17.430	0.943	0m	N.D.	d
112)	Pentachloroethane		18.142	18.142	0.977	0m	N.D.	d
113)	Benzyl chloride		18.723	18.735	1.008	0m	N.D.	d
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

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Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G127.D
Acq On    : 21 Oct 2013  19:34
Operator  : CDS1
InstName  : VOA3
Sample    : |W3VM131021-06|CCV|1|VOA|1|VOA8260BL|
Misc      : CCV 5ML - MIX[A] 0916-07H+0917-07F
ALS Vial  : 27   Sample Multiplier: 1

Quant Time: Oct 22 07:33:19 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title  : Volatile Organics 8260B                    SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE
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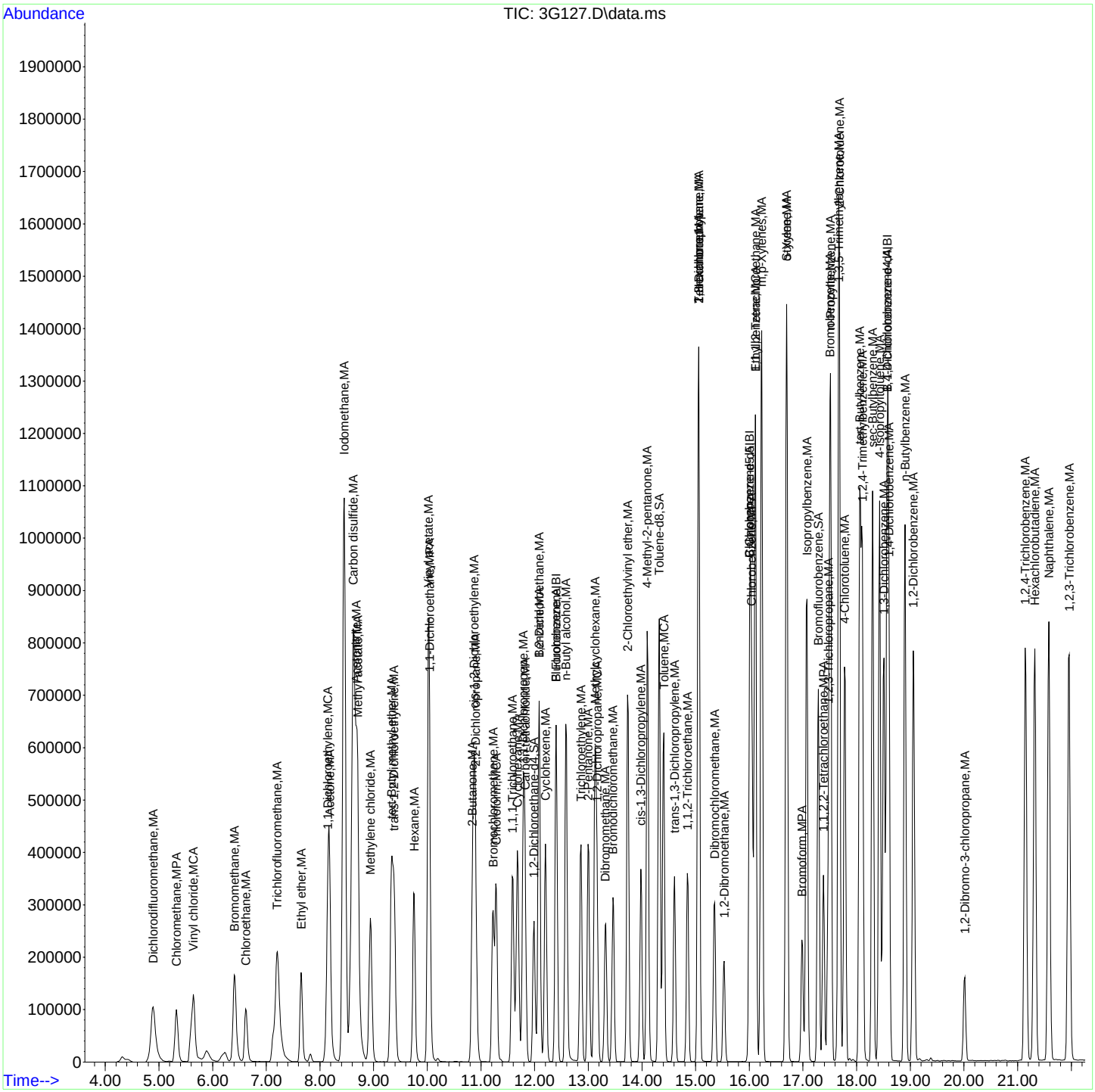


Continuing Calibration Summary

Client SDG: 335204

Instrument ID: VOA3.I

Injection Date: 21-OCT-13 20:32

Data File: 102113V3\3G129.D

Init. Cal. Date(s) 08-OCT-13 13:16 - 08-OCT-13 21:2

Lab Sample ID W3VM131021-08

Method: 100813V3\VOA3-8260-100813.M

Quant Type ISTD

Method Update: 09-OCT-13 07:01

	Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
S	1,2-Dichloroethane-d4	0.1907	0.17845		.01		-6.4237	60		Averaged
S	Toluene-d8	2.2414	2.40028		.01		7.08843	60		Averaged
S	Bromofluorobenzene	0.9103	0.83638		.01		-8.1204	60		Averaged
	Trichlorotrifluoroethane	0.2983	0.27066		.01		-9.26584	60		Averaged
	Ethyl acetate	0.1992	0.14648		.01		-26.46586	60		Averaged
	Tetrahydrofuran	0.0667	0.04795		.01		-28.11094	60		Averaged
	1,4-Dioxane	0.0027	0.00243		.01		-10	60		Averaged

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G129.D
Acq On : 21 Oct 2013 20:32
Operator : CDS1
InstName : VOA3
Sample : |W3VM131021-08|CCV|1|VOA|1|VOA8260BL|
Misc : CCV 5ML - MIX[B] 0926-08A+0926-16A
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 22 07:34:19 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) Fluorobenzene	96	12.402	12.402	1.000	1060166	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	445238	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	575840	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	1060166	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	445238	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	575840	50.00	ug/L	0.00
System Monitoring Compounds								
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	189182	46.79	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	1068695	53.54	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	481619	45.94	ug/L	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		4.790	4.894	0.386	0m	N.D.	d	
3) Chloromethane		5.310	5.325	0.428	0m	N.D.	d	
4) Vinyl chloride		5.631	5.643	0.454	0m	N.D.	d	
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		0.000	7.647	0.000	0	N.D.		
9) Acetone		8.121	8.181	0.655	0m	N.D.	d	
10) 1,1-Dichloroethylene		8.121	8.145	0.655	0m	N.D.	d	
11) Iodomethane		8.442	8.442	0.681	0m	N.D.	d	
12) Acetonitrile		8.726	8.679	0.704	0m	N.D.	d	
13) Methyl acetate		8.726	8.702	0.704	0m	N.D.	d	
14) Carbon disulfide		8.726	8.619	0.704	0m	N.D.	d	
15) Methylene chloride		8.940	8.940	0.721	0m	N.D.	d	
16) tert-Butyl methyl ether		9.343	9.331	0.753	0m	N.D.	d	
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		9.758	9.746	0.787	0m	N.D.	d	
19) Vinyl acetate		10.031	10.019	0.809	0m	N.D.	d	
20) 1,1-Dichloroethane		10.173	10.043	0.820	0m	N.D.	d	
21) 2-Butanone		10.861	10.837	0.876	0m	N.D.	d	
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		11.288	11.276	0.910	0m	N.D.	d	
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		11.750	11.679	0.947	0m	N.D.	d	
28) 1,1-Dichloropropene		11.750	11.786	0.947	0m	N.D.	d	
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		12.106	12.082	0.976	0m	N.D.	d	
32) Benzene		12.082	12.082	0.974	0m	N.D.	d	
33) Cyclohexene		12.201	12.201	0.984	0m	N.D.	d	
34) n-Butyl alcohol		12.746	12.580	1.028	0m	N.D.	d	
35) Trichloroethylene		12.865	12.853	1.037	0m	N.D.	d	
36) 2-Pentanone		13.161	12.995	1.061	0m	N.D.	d	
37) 1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.		
38) Methylcyclohexane		13.149	13.126	1.060	0m	N.D.	d	
39) Dibromomethane		0.000	13.315	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G129.D
Acq On : 21 Oct 2013 20:32
Operator : CDS1
InstName : VOA3
Sample : |W3VM131021-08|CCV|1|VOA|1|VOA8260BL|
Misc : CCV 5ML - MIX[B] 0926-08A+0926-16A
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 22 07:34:19 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
40)	Bromodichloromethane		0.000	13.458	0.000	0	N.D.		
41)	2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42)	cis-1,3-Dichloropropylene		13.979	13.980	1.127	0m	N.D.	d	
44)	4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.		
46)	Toluene		14.406	14.406	0.900	0m	N.D.	d	
47)	trans-1,3-Dichloroprop...		14.608	14.608	0.913	0m	N.D.	d	
48)	1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.		
49)	2-Hexanone		15.059	15.047	0.941	0m	N.D.	d	
50)	1,3-Dichloropropane		15.082	15.059	0.942	0m	N.D.	d	
51)	Tetrachloroethylene		15.059	15.059	0.941	0m	N.D.	d	
52)	Dibromochloromethane		0.000	15.343	0.000	0	N.D.		
53)	1,2-Dibromoethane		15.533	15.521	0.970	0m	N.D.	d	
54)	Chlorobenzene		16.043	16.043	1.002	0m	N.D.	d	
55)	1,1,1,2-Tetrachloroethane		16.114	16.114	1.007	0m	N.D.	d	
56)	Ethylbenzene		16.114	16.114	1.007	0m	N.D.	d	
57)	m,p-Xylenes		16.233	16.233	1.014	0m	N.D.	d	
58)	o-Xylene		16.695	16.695	1.043	0m	N.D.	d	
59)	Styrene		16.707	16.695	1.044	0m	N.D.	d	
61)	Bromoform		0.000	16.980	0.000	0	N.D.		
62)	Isopropylbenzene		17.075	17.075	0.920	0m	N.D.	d	
64)	1,1,2,2-Tetrachloroethane		17.430	17.383	0.939	0m	N.D.	d	
65)	1,2,3-Trichloropropane		17.430	17.466	0.939	0m	N.D.	d	
66)	Bromobenzene		17.501	17.502	0.943	0m	N.D.	d	
67)	n-Propylbenzene		17.513	17.513	0.943	0m	N.D.	d	
68)	1,3,5-Trimethylbenzene		17.667	17.668	0.951	0m	N.D.	d	
69)	2-Chlorotoluene		17.679	17.668	0.952	0m	N.D.	d	
70)	4-Chlorotoluene		17.786	17.774	0.958	0m	N.D.	d	
71)	tert-Butylbenzene		18.142	18.059	0.977	0m	N.D.	d	
72)	1,2,4-Trimethylbenzene		18.106	18.106	0.975	0m	N.D.	d	
73)	sec-Butylbenzene		18.296	18.296	0.985	0m	N.D.	d	
74)	4-Isopropyltoluene		18.426	18.426	0.992	0m	N.D.	d	
75)	1,3-Dichlorobenzene		18.509	18.509	0.997	0m	N.D.	d	
76)	1,4-Dichlorobenzene		18.604	18.604	1.002	0m	N.D.	d	
77)	n-Butylbenzene		18.901	18.901	1.018	0m	N.D.	d	
78)	1,2-Dichlorobenzene		19.067	19.055	1.027	0m	N.D.	d	
79)	1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.		
80)	1,2,4-Trichlorobenzene		21.154	21.142	1.139	0m	N.D.	d	
81)	Hexachlorobutadiene		21.320	21.320	1.148	0m	N.D.	d	
82)	Naphthalene		21.581	21.581	1.162	0m	N.D.	d	
83)	1,2,3-Trichlorobenzene		21.960	21.960	1.183	0m	N.D.	d	
85)	Chlorotrifluoroethylene	116	4.790	4.790	0.386	660921	160.10	ug/L	99
86)	2-Chloro-1,1,1-trifluo...	118	5.868	5.868	0.473	1317936	144.09	ug/L	96
87)	Acrolein	56	7.932	7.932	0.640	160749	206.18	ug/L	99
88)	Trichlorotrifluoroethane	101	8.121	8.121	0.655	1434701	226.86	ug/L	98
89)	Isopropyl Alcohol	45	8.335	8.347	0.672	808659	2116.10	ug/L	100
90)	Allyl chloride	76	8.726	8.726	0.704	574469	217.59	ug/L	92
91)	tert-Butyl Alcohol	59	8.999	8.999	0.726	1390094	2046.86	ug/L	98
92)	Acrylonitrile	53	9.331	9.331	0.752	344018	189.27	ug/L	100
93)	Isopropyl ether	45	10.031	10.031	0.809	787954	46.21	ug/L	98
94)	2-Chloro-1,3-butadiene	53	10.173	10.173	0.820	276566	42.18	ug/L	98
95)	Ethyl tert-butyl ether	59	10.564	10.564	0.852	866873	49.18	ug/L	98
96)	Ethyl acetate	43	10.861	10.861	0.876	776466	183.87	ug/L	98

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G129.D
Acq On : 21 Oct 2013 20:32
Operator : CDS1
InstName : VOA3
Sample : |W3VM131021-08|CCV|1|VOA|1|VOA8260BL|
Misc : CCV 5ML - MIX[B] 0926-08A+0926-16A
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 22 07:34:19 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

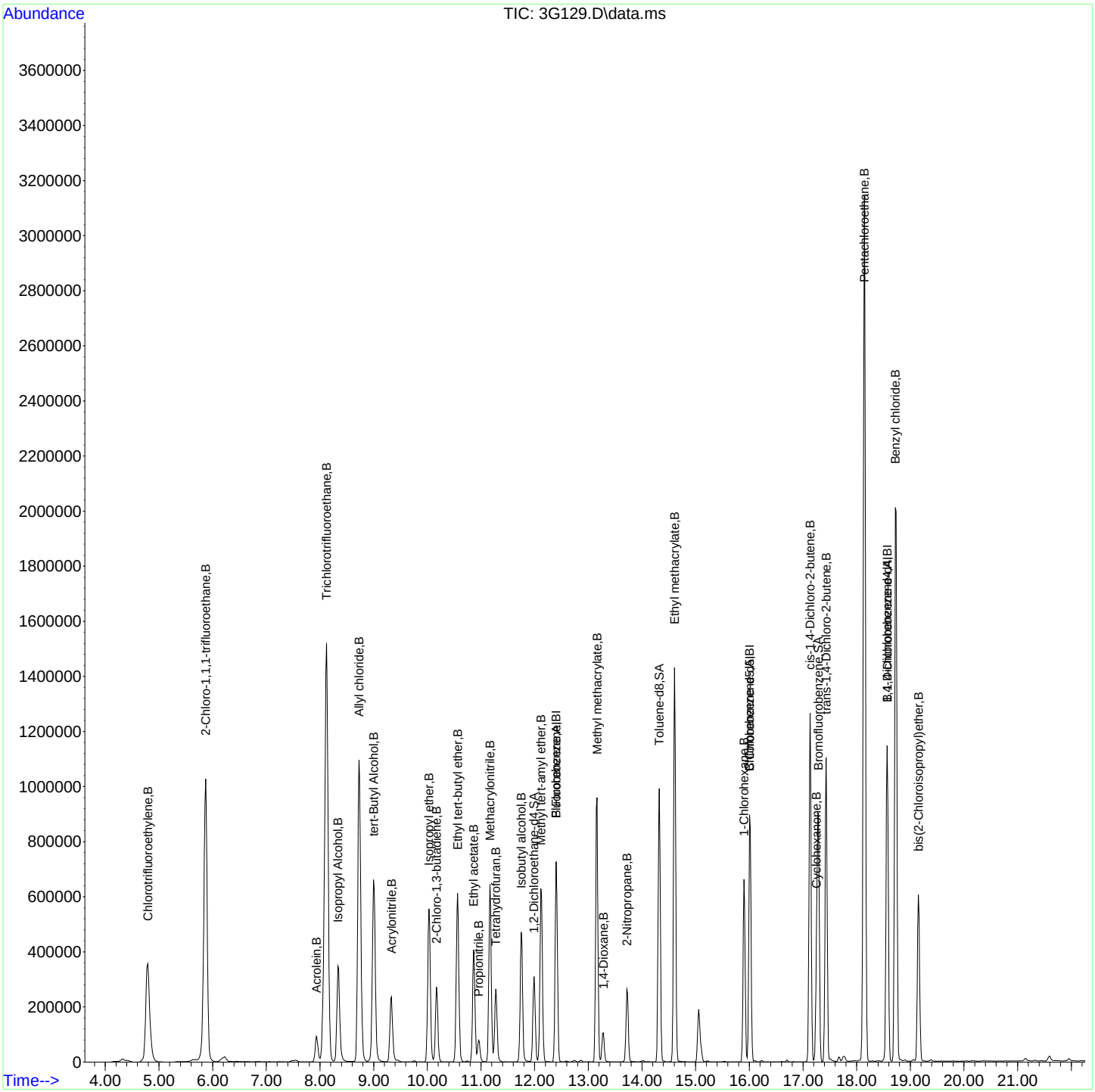
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
97)	Propionitrile	54	10.956	10.956	0.883	129790	202.91	ug/L	98
98)	Methacrylonitrile	41	11.169	11.169	0.901	503100	190.88	ug/L	97
99)	Tetrahydrofuran	42	11.276	11.276	0.909	254196	179.81	ug/L	97
100)	Isobutyl alcohol	43	11.750	11.750	0.947	454241	2038.33	ug/L	97
101)	Methyl tert-amyl ether	73	12.118	12.118	0.977	777810	50.32	ug/L	99
102)	Methyl methacrylate	69	13.161	13.161	1.061	603517	228.05	ug/L	95
103)	1,4-Dioxane	88	13.280	13.280	1.071	128760	2260.52	ug/L	94
104)	2-Nitropropane	43	13.719	13.719	1.106	310167	218.41	ug/L	98
106)	Ethyl methacrylate	69	14.608	14.608	0.913	1194613	243.18	ug/L	96
108)	1-Chlorohexane	91	15.901	15.901	0.856	396366	53.19	ug/L	96
109)	cis-1,4-Dichloro-2-butene	53	17.134	17.134	0.923	428294	199.87	ug/L	97
110)	Cyclohexanone	55	17.252	17.252	0.929	210968	967.67	ug/L	96
111)	trans-1,4-Dichloro-2-b...	53	17.430	17.430	0.939	363152	197.76	ug/L	93
112)	Pentachloroethane	167	18.142	18.142	0.977	1097702	266.29	ug/L	99
113)	Benzyl chloride	91	18.723	18.735	1.008	2706740	226.60	ug/L	99
114)	bis(2-Chloroisopropyl)...	45	19.150	19.150	1.031	585019	189.08	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G129.D
Acq On : 21 Oct 2013 20:32
Operator : CDS1
InstName : VOA3
Sample : |W3VM131021-08|CCV|1|VOA|1|VOA8260BL|
Misc : CCV 5ML - MIX[B] 0926-08A+0926-16A
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 22 07:34:19 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



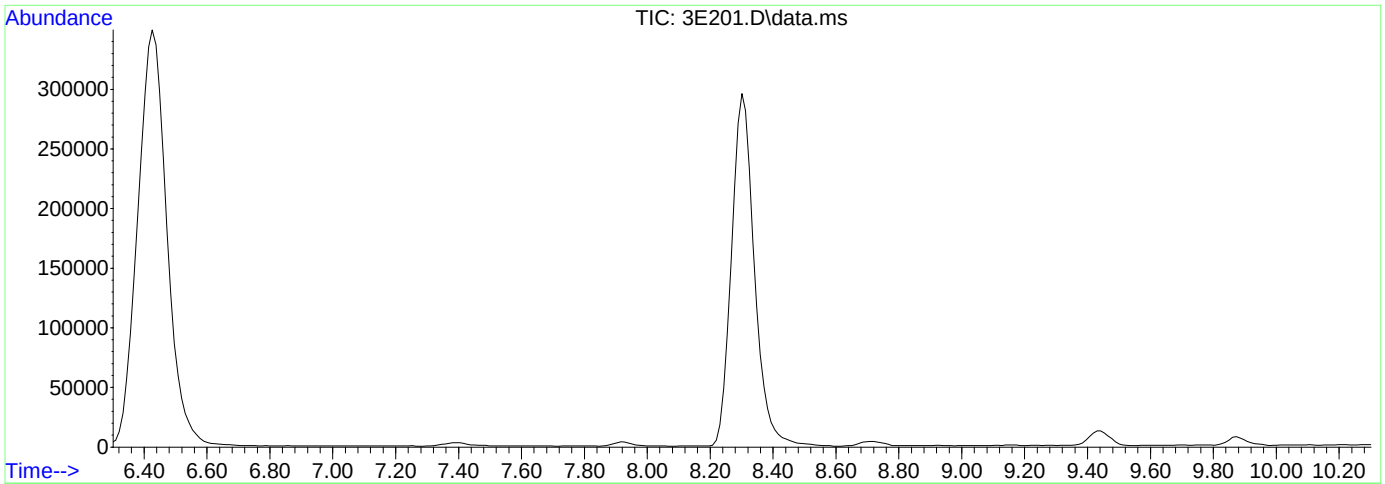
Quality Control Data

Tune Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\100813V3\
Data File : 3E201.D
Acq On : 08 Oct 2013 12:40
Operator : CDS1
Sample : |IVM130920-01|BFB2|1|VOA|1|VOA8260BL|
Misc : BFB 5ML n/a
ALS Vial : 1 Sample Multiplier: 1

Integration File:

Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Title : Volatile Organics 8260B SubList :
Last Update : Wed Oct 09 07:01:18 2013



Spectrum Information: Average of 8.289 to 8.313 min.

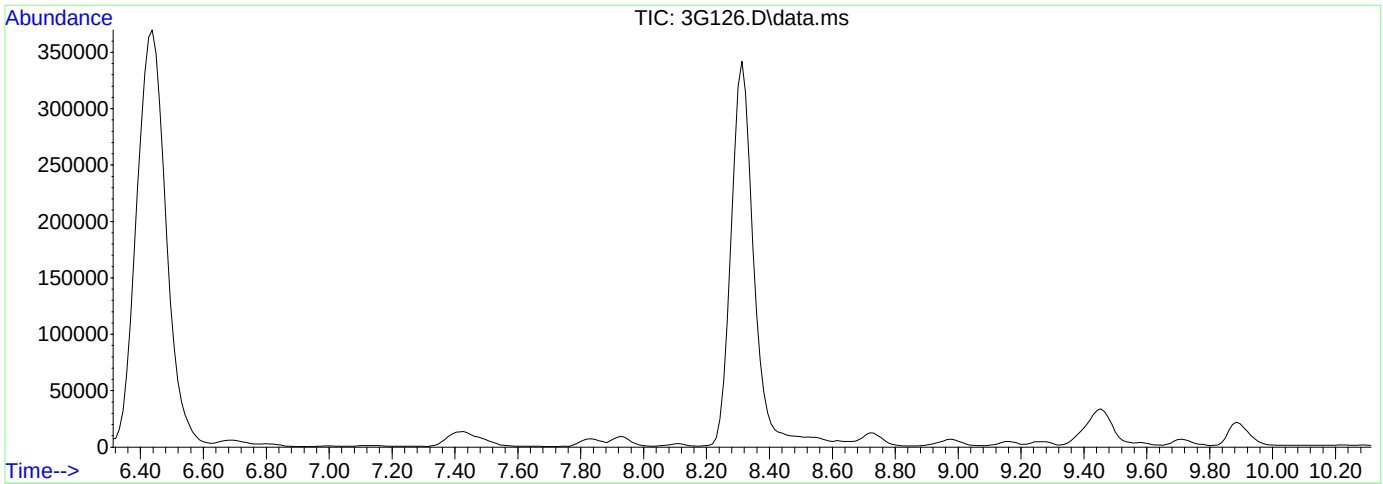
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	11602	PASS
75	95	30	60	53.3	31635	PASS
95	95	100	100	100.0	59371	PASS
96	95	5	9	6.8	4026	PASS
173	174	0.00	2	0.6	276	PASS
174	95	50	100	79.3	47067	PASS
175	174	5	9	7.2	3373	PASS
176	174	95	101	98.1	46152	PASS
177	176	5	9	6.2	2878	PASS

Tune Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G126.D
Acq On : 21 Oct 2013 19:09
Operator : CDS1
Sample : |IVM131021-01|BFB2|1|VOA|1|VOA8260BL|
Misc : BFB 5ML -
ALS Vial : 26 Sample Multiplier: 1

Integration File:

Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Title : Volatile Organics 8260B SubList :
Last Update : Wed Oct 09 07:01:18 2013



Spectrum Information: Average of 8.301 to 8.324 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	12389	PASS
75	95	30	60	49.9	34504	PASS
95	95	100	100	100.0	69080	PASS
96	95	5	9	7.3	5073	PASS
173	174	0.00	2	0.7	379	PASS
174	95	50	100	83.1	57392	PASS
175	174	5	9	7.4	4247	PASS
176	174	95	101	96.4	55331	PASS
177	176	5	9	6.8	3780	PASS

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**			**Matrix:**	**GROUND WATER**
Lab Sample ID:	**1202971501**				
Client Sample:	**QC for batch 1340505**	**Client:**	**EBER001**	**Project:**	**QC**
Client ID:	**MB for batch 1340505**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/21/2013 21:01**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/21/2013 21:01**				
Data File:	**102113V3\3G130.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene	U	1.00	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane	U	1.00	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane	U	1.00	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.300	1.00
123-91-1	1,4-Dioxane	U	50.0	ug/L	15.0	50.0
78-93-3	2-Butanone	U	5.00	ug/L	2.00	5.00
591-78-6	2-Hexanone	U	5.00	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.50	5.00
67-64-1	Acetone	U	5.00	ug/L	2.50	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
74-97-5	Bromochloromethane	U	1.00	ug/L	0.300	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.300	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.300	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.300	1.00
75-15-0	Carbon disulfide	U	5.00	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.300	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.300	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.300	1.00
67-66-3	Chloroform	U	1.00	ug/L	0.300	1.00
74-87-3	Chloromethane	U	1.00	ug/L	0.300	1.00
110-82-7	Cyclohexane	U	1.00	ug/L	0.300	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane	U	1.00	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.300	1.00
98-82-8	Isopropylbenzene	U	1.00	ug/L	0.300	1.00
79-20-9	Methyl acetate	U	5.00	ug/L	1.50	5.00
108-87-2	Methylcyclohexane	U	1.00	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**			**Matrix:**	**GROUND WATER**
Lab Sample ID:	**1202971501**				
Client Sample:	**QC for batch 1340505**	**Client:**	**EBER001**	**Project:**	**QC**
Client ID:	**MB for batch 1340505**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/21/2013 21:01**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/21/2013 21:01**				
Data File:	**102113V3\3G130.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride	U	5.00	ug/L	1.00	5.00
100-42-5	Styrene	U	1.00	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran	U	5.00	ug/L	1.50	5.00
108-88-3	Toluene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes	U	2.00	ug/L	0.300	2.00
95-47-6	o-Xylene	U	1.00	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether	U	1.00	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.300	1.00

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G130.D
Acq On : 21 Oct 2013 21:01
Operator : CDS1
InstName : VOA3
Sample : |1202971501|1340505|1|VOA|1|VOA8260BL|
Misc : BLANK 5ML N/A
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 22 07:35:34 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) Fluorobenzene	96	12.402	12.402	1.000	1015539	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	438796	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	536624	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	1015539	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	438796	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	536624	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	191750	49.51	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	997542	50.71	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	480191	49.15	ug/L	0.00

Compound	Amount	Range	Recovery
30) 1,2-Dichloroethane-d4	50.000	78 - 124	99.02%
45) Toluene-d8	50.000	80 - 120	101.42%
63) Bromofluorobenzene	50.000	80 - 120	98.30%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane		0.000	4.894	0.000	0	N.D.		
3) Chloromethane		0.000	5.325	0.000	0	N.D.		
4) Vinyl chloride	62	5.631	5.643	0.454	986	N.D.		
5) Bromomethane		0.000	6.402	0.000	0	N.D.		
6) Chloroethane		0.000	6.627	0.000	0	N.D.		
7) Trichlorofluoromethane		0.000	7.196	0.000	0	N.D.		
8) Ethyl ether		0.000	7.647	0.000	0	N.D.		
9) Acetone		0.000	8.181	0.000	0	N.D.		
10) 1,1-Dichloroethylene		0.000	8.145	0.000	0	N.D.		
11) Iodomethane		0.000	8.442	0.000	0	N.D.		
12) Acetonitrile	41	8.714	8.679	0.703	1472	Below Cal	#	60
13) Methyl acetate		0.000	8.702	0.000	0	N.D.		
14) Carbon disulfide	76	8.572	8.619	0.691	1446	N.D.		
15) Methylene chloride	84	8.940	8.940	0.721	8771	Below Cal		93
16) tert-Butyl methyl ether		0.000	9.331	0.000	0	N.D.		
17) trans-1,2-Dichloroethy...		0.000	9.378	0.000	0	N.D.		
18) Hexane		0.000	9.746	0.000	0	N.D.		
19) Vinyl acetate		0.000	10.019	0.000	0	N.D.		
20) 1,1-Dichloroethane		0.000	10.043	0.000	0	N.D.		
21) 2-Butanone		0.000	10.837	0.000	0	N.D.		
22) cis-1,2-Dichloroethylene		0.000	10.873	0.000	0	N.D.		
23) 2,2-Dichloropropane		0.000	10.896	0.000	0	N.D.		
24) Bromochloromethane		0.000	11.217	0.000	0	N.D.		
25) Chloroform		0.000	11.276	0.000	0	N.D.		
26) 1,1,1-Trichloroethane		0.000	11.584	0.000	0	N.D.		
27) Cyclohexane		0.000	11.679	0.000	0	N.D.		
28) 1,1-Dichloropropene		0.000	11.786	0.000	0	N.D.		
29) Carbon tetrachloride		0.000	11.809	0.000	0	N.D.		
31) 1,2-Dichloroethane		0.000	12.082	0.000	0	N.D.		
32) Benzene		0.000	12.082	0.000	0	N.D.		
33) Cyclohexene		0.000	12.201	0.000	0	N.D.		
34) n-Butyl alcohol		0.000	12.580	0.000	0	N.D.		
35) Trichloroethylene		0.000	12.853	0.000	0	N.D.		

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G130.D
Acq On : 21 Oct 2013 21:01
Operator : CDS1
InstName : VOA3
Sample : |1202971501|1340505|1|VOA|1|VOA8260BL|
Misc : BLANK 5ML N/A
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 22 07:35:34 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
36)	2-Pentanone		0.000	12.995	0.000	0	N.D.	
37)	1,2-Dichloropropane		0.000	13.161	0.000	0	N.D.	
38)	Methylcyclohexane		0.000	13.126	0.000	0	N.D.	
39)	Dibromomethane		0.000	13.315	0.000	0	N.D.	
40)	Bromodichloromethane		0.000	13.458	0.000	0	N.D.	
41)	2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.	
42)	cis-1,3-Dichloropropylene		0.000	13.980	0.000	0	N.D.	
44)	4-Methyl-2-pentanone		0.000	14.098	0.000	0	N.D.	
46)	Toluene	91	14.395	14.406	0.899	456	N.D.	
47)	trans-1,3-Dichloroprop...		0.000	14.608	0.000	0	N.D.	
48)	1,1,2-Trichloroethane		0.000	14.845	0.000	0	N.D.	
49)	2-Hexanone		0.000	15.047	0.000	0	N.D.	
50)	1,3-Dichloropropane		0.000	15.059	0.000	0	N.D.	
51)	Tetrachloroethylene		0.000	15.059	0.000	0	N.D.	
52)	Dibromochloromethane		0.000	15.343	0.000	0	N.D.	
53)	1,2-Dibromoethane		0.000	15.521	0.000	0	N.D.	
54)	Chlorobenzene	112	16.055	16.043	1.003	510	N.D.	
55)	1,1,1,2-Tetrachloroethane		0.000	16.114	0.000	0	N.D.	
56)	Ethylbenzene	91	16.114	16.114	1.007	857	N.D.	
57)	m,p-Xylenes	106	16.233	16.233	1.014	629	N.D.	
58)	o-Xylene		0.000	16.695	0.000	0	N.D.	
59)	Styrene	104	16.707	16.695	1.044	813	N.D.	
61)	Bromoform		0.000	16.980	0.000	0	N.D.	
62)	Isopropylbenzene	105	17.288	17.075	0.931	398	N.D.	
64)	1,1,2,2-Tetrachloroethane		0.000	17.383	0.000	0	N.D.	
65)	1,2,3-Trichloropropane	75	17.430	17.466	0.939	1222	N.D.	
66)	Bromobenzene	156	17.513	17.502	0.943	416	N.D.	
67)	n-Propylbenzene	91	17.513	17.513	0.943	1339	N.D.	
68)	1,3,5-Trimethylbenzene	105	17.667	17.668	0.951	980	N.D.	
69)	2-Chlorotoluene		0.000	17.668	0.000	0	N.D.	
70)	4-Chlorotoluene	91	17.786	17.774	0.958	2121	N.D.	
71)	tert-Butylbenzene		0.000	18.059	0.000	0	N.D.	
72)	1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	727	N.D.	
73)	sec-Butylbenzene	105	18.296	18.296	0.985	862	N.D.	
74)	4-Isopropyltoluene	119	18.426	18.426	0.992	643	N.D.	
75)	1,3-Dichlorobenzene	146	18.509	18.509	0.997	2005	N.D.	
76)	1,4-Dichlorobenzene	146	18.604	18.604	1.002	3052	N.D.	
77)	n-Butylbenzene	91	18.901	18.901	1.018	1751	N.D.	
78)	1,2-Dichlorobenzene	146	19.067	19.055	1.027	2246	N.D.	
79)	1,2-Dibromo-3-chloropr...		0.000	20.015	0.000	0	N.D.	
80)	1,2,4-Trichlorobenzene	180	21.154	21.142	1.139	2588	N.D.	
81)	Hexachlorobutadiene		0.000	21.320	0.000	0	N.D.	
82)	Naphthalene	128	21.581	21.581	1.162	6725	N.D.	
83)	1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	1706	N.D.	
85)	Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.	
86)	2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.	
87)	Acrolein		0.000	7.932	0.000	0	N.D.	
88)	Trichlorotrifluoroethane		0.000	8.121	0.000	0	N.D.	
89)	Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.	
90)	Allyl chloride	76	8.572	8.726	0.691	1266	N.D.	
91)	tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.	
92)	Acrylonitrile		0.000	9.331	0.000	0	N.D.	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G130.D
Acq On : 21 Oct 2013 21:01
Operator : CDS1
InstName : VOA3
Sample : |1202971501|1340505|1|VOA|1|VOA8260BL|
Misc : BLANK 5ML N/A
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 22 07:35:34 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

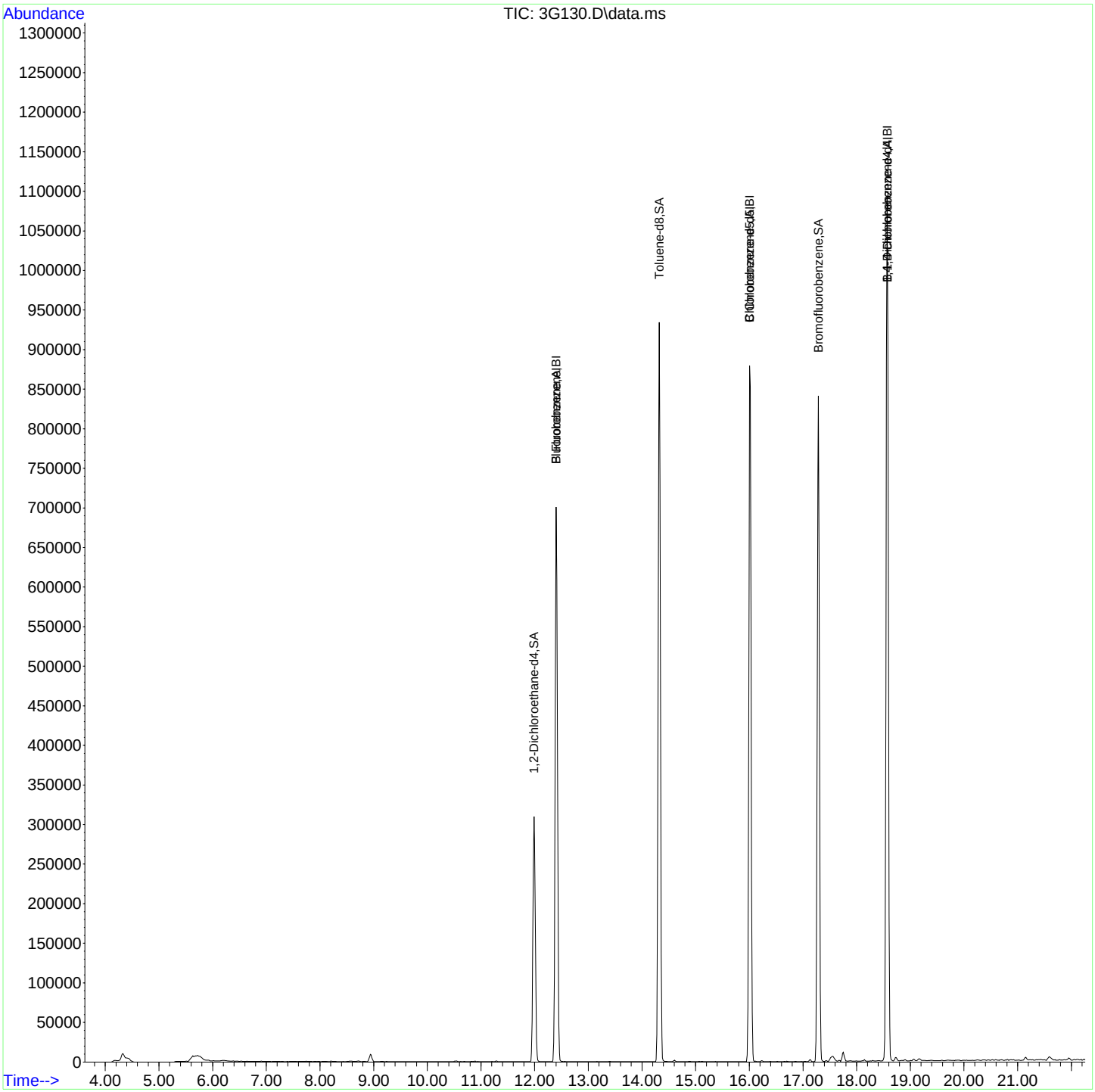
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
93)	Isopropyl ether		0.000	10.031	0.000	0	N.D.	
94)	2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.	
95)	Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.	
96)	Ethyl acetate	43	10.873	10.861	0.877	938	N.D.	
97)	Propionitrile		0.000	10.956	0.000	0	N.D.	
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran	42	11.288	11.276	0.910	672	N.D.	
100)	Isobutyl alcohol		0.000	11.750	0.000	0	N.D.	
101)	Methyl tert-amyl ether		0.000	12.118	0.000	0	N.D.	
102)	Methyl methacrylate		0.000	13.161	0.000	0	N.D.	
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		0.000	13.719	0.000	0	N.D.	
106)	Ethyl methacrylate	69	14.608	14.608	0.913	487	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene	53	17.134	17.134	0.923	679	N.D.	
110)	Cyclohexanone	55	17.276	17.252	0.930	1268	N.D.	
111)	trans-1,4-Dichloro-2-b...	53	17.430	17.430	0.939	795	N.D.	
112)	Pentachloroethane	167	18.142	18.142	0.977	714	N.D.	
113)	Benzyl chloride	91	18.735	18.735	1.009	7849	N.D.	
114)	bis(2-Chloroisopropyl)...	45	19.162	19.150	1.032	1156	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G130.D
Acq On : 21 Oct 2013 21:01
Operator : CDS1
InstName : VOA3
Sample : |1202971501|1340505|1|VOA|1|VOA8260BL|
Misc : BLANK 5ML N/A
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 22 07:35:34 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**			**Matrix:**	**GROUND WATER**
Lab Sample ID:	**1202971502**				
Client Sample:	**QC for batch 1340505**	**Client:**	**EBER001**	**Project:**	**QC**
Client ID:	**LCS for batch 1340505**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/21/2013 20:03**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/21/2013 20:03**				
Data File:	**102113V3\3G128.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane		50.9	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane		44.0	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane		44.7	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane		44.3	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene		50.0	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene		47.4	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene		47.3	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane		46.2	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane		47.9	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene		46.6	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane		44.5	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane		46.4	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene		45.1	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene		46.0	ug/L	0.300	1.00
123-91-1	1,4-Dioxane	U	50.0	ug/L	15.0	50.0
78-93-3	2-Butanone		261	ug/L	2.00	5.00
591-78-6	2-Hexanone		241	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone		212	ug/L	1.50	5.00
67-64-1	Acetone		222	ug/L	2.50	5.00
71-43-2	Benzene		47.6	ug/L	0.300	1.00
74-97-5	Bromochloromethane		48.5	ug/L	0.300	1.00
75-27-4	Bromodichloromethane		50.0	ug/L	0.300	1.00
75-25-2	Bromoform		51.3	ug/L	0.300	1.00
74-83-9	Bromomethane		50.7	ug/L	0.300	1.00
75-15-0	Carbon disulfide		256	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride		49.5	ug/L	0.300	1.00
108-90-7	Chlorobenzene		51.3	ug/L	0.300	1.00
75-00-3	Chloroethane		44.2	ug/L	0.300	1.00
67-66-3	Chloroform		47.0	ug/L	0.300	1.00
74-87-3	Chloromethane		48.9	ug/L	0.300	1.00
110-82-7	Cyclohexane		52.6	ug/L	0.300	1.00
124-48-1	Dibromochloromethane		49.9	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane		46.7	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene		49.4	ug/L	0.300	1.00
98-82-8	Isopropylbenzene		51.2	ug/L	0.300	1.00
79-20-9	Methyl acetate		227	ug/L	1.50	5.00
108-87-2	Methylcyclohexane		54.5	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**			**Matrix:**	**GROUND WATER**
Lab Sample ID:	**1202971502**				
Client Sample:	**QC for batch 1340505**	**Client:**	**EBER001**	**Project:**	**QC**
Client ID:	**LCS for batch 1340505**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/21/2013 20:03**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/21/2013 20:03**				
Data File:	**102113V3\3G128.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride		52.7	ug/L	1.00	5.00
100-42-5	Styrene		50.7	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene		48.0	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran	U	5.00	ug/L	1.50	5.00
108-88-3	Toluene		47.7	ug/L	0.300	1.00
79-01-6	Trichloroethylene		50.6	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane		44.6	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride		53.0	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene		48.0	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene		51.5	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes		101	ug/L	0.300	2.00
95-47-6	o-Xylene		51.3	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether		47.1	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene		46.8	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene		48.6	ug/L	0.300	1.00

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G128.D
Acq On : 21 Oct 2013 20:03
Operator : CDS1
InstName : VOA3
Sample : |1202971502|1340505|1|VOA|1|VOA8260BL|
Misc : LCS 5ML - MIX[A] 0815-01J/02M+1021-02
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 22 07:33:41 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	944821	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	440464	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	539206	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	944821	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	440464	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	539206	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	168853	46.86	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	967353	48.99	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	470999	47.98	ug/L	0.00

Compound	Amount	Range	Recovery
30) 1,2-Dichloroethane-d4	50.000	78 - 124	93.72%
45) Toluene-d8	50.000	80 - 120	97.98%
63) Bromofluorobenzene	50.000	80 - 120	95.96%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	345195	46.73	ug/L	100
3) Chloromethane	50	5.325	5.325	0.429	260850	48.88	ug/L	100
4) Vinyl chloride	62	5.643	5.643	0.455	335378	53.01	ug/L	98
5) Bromomethane	96	6.402	6.402	0.516	255347	50.72	ug/L	98
6) Chloroethane	64	6.615	6.627	0.533	191942	44.21	ug/L	100
7) Trichlorofluoromethane	101	7.208	7.196	0.581	613069	44.59	ug/L	100
8) Ethyl ether	59	7.659	7.647	0.618	184490	48.31	ug/L	94
9) Acetone	58	8.181	8.181	0.660	185330	222.29	ug/L	92
10) 1,1-Dichloroethylene	61	8.145	8.145	0.657	477368	49.97	ug/L	95
11) Iodomethane	142	8.453	8.442	0.682	2868732	261.96	ug/L	96
12) Acetonitrile	41	8.679	8.679	0.700	562673	1023.46	ug/L	99
13) Methyl acetate	74	8.702	8.702	0.702	153319	226.78	ug/L #	85
14) Carbon disulfide	76	8.619	8.619	0.695	4119270	255.63	ug/L	100
15) Methylene chloride	84	8.940	8.940	0.721	298591	52.67	ug/L	92
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	682452	47.12	ug/L	100
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	345306	46.76	ug/L	93
18) Hexane	57	9.758	9.746	0.787	236948	36.96	ug/L	94
19) Vinyl acetate	43	10.031	10.019	0.809	1617576	203.74	ug/L	98
20) 1,1-Dichloroethane	63	10.042	10.043	0.810	418814	44.29	ug/L	99
21) 2-Butanone	72	10.849	10.837	0.875	172428	261.29	ug/L #	86
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	272364	48.04	ug/L	93
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	414657	48.86	ug/L	96
24) Bromochloromethane	128	11.228	11.217	0.905	159785	48.52	ug/L	89
25) Chloroform	83	11.288	11.276	0.910	495032	47.01	ug/L	100
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	497787	50.85	ug/L	98
27) Cyclohexane	56	11.679	11.679	0.942	383470	52.61	ug/L	93
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	295581	47.12	ug/L	92
29) Carbon tetrachloride	117	11.821	11.809	0.953	465093	49.46	ug/L	100
31) 1,2-Dichloroethane	62	12.082	12.082	0.974	336886	44.54	ug/L	99
32) Benzene	78	12.082	12.082	0.974	792707	47.59	ug/L	99
33) Cyclohexene	67	12.201	12.201	0.984	415579	53.63	ug/L	96
34) n-Butyl alcohol	56	12.592	12.580	1.015	491615	4361.35	ug/L	96
35) Trichloroethylene	95	12.865	12.853	1.037	253669	50.55	ug/L	98

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G128.D
Acq On : 21 Oct 2013 20:03
Operator : CDS1
InstName : VOA3
Sample : |1202971502|1340505|1|VOA|1|VOA8260BL|
Misc : LCS 5ML - MIX[A] 0815-01J/02M+1021-02
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 22 07:33:41 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
36)	2-Pentanone	43	13.007	12.995	1.049	623790	203.99	ug/L	97
37)	1,2-Dichloropropane	63	13.161	13.161	1.061	201065	46.41	ug/L	98
38)	Methylcyclohexane	83	13.126	13.126	1.058	434647	54.47	ug/L	96
39)	Dibromomethane	93	13.327	13.315	1.075	158997	46.31	ug/L	96
40)	Bromodichloromethane	83	13.470	13.458	1.086	367031	49.95	ug/L	99
41)	2-Chloroethylvinyl ether	63	13.742	13.730	1.108	508115	239.11	ug/L	98
42)	cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	363362	51.46	ug/L	96
44)	4-Methyl-2-pentanone	58	14.098	14.098	0.881	344595	212.37	ug/L	94
46)	Toluene	91	14.406	14.406	0.900	890755	47.67	ug/L	99
47)	trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	356373	48.59	ug/L	96
48)	1,1,2-Trichloroethane	83	14.845	14.845	0.927	163249	44.73	ug/L	98
49)	2-Hexanone	58	15.059	15.047	0.941	432740	240.71	ug/L	95
50)	1,3-Dichloropropane	76	15.059	15.059	0.941	299340	42.95	ug/L	92
51)	Tetrachloroethylene	164	15.059	15.059	0.941	204479	48.04	ug/L	99
52)	Dibromochloromethane	129	15.355	15.343	0.959	321839	49.87	ug/L	100
53)	1,2-Dibromoethane	107	15.533	15.521	0.970	243768	47.92	ug/L	100
54)	Chlorobenzene	112	16.043	16.043	1.002	707141	51.31	ug/L	97
55)	1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	306178	49.26	ug/L	99
56)	Ethylbenzene	91	16.114	16.114	1.007	1057941	49.36	ug/L	99
57)	m,p-Xylenes	106	16.233	16.233	1.014	878821	100.76	ug/L	100
58)	o-Xylene	106	16.695	16.695	1.043	475467	51.28	ug/L	97
59)	Styrene	104	16.695	16.695	1.043	739996	50.66	ug/L	95
61)	Bromoform	173	16.980	16.980	0.914	202617	51.30	ug/L	99
62)	Isopropylbenzene	105	17.075	17.075	0.920	1271826	51.17	ug/L	100
64)	1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	292930	44.02	ug/L	100
65)	1,2,3-Trichloropropane	75	17.478	17.466	0.941	264975	41.15	ug/L	91
66)	Bromobenzene	156	17.501	17.502	0.943	349420	46.42	ug/L	94
67)	n-Propylbenzene	91	17.513	17.513	0.943	1377999	48.51	ug/L	100
68)	1,3,5-Trimethylbenzene	105	17.668	17.668	0.951	1092082	50.39	ug/L	98
69)	2-Chlorotoluene	126	17.679	17.668	0.952	352613	49.19	ug/L	94
70)	4-Chlorotoluene	91	17.774	17.774	0.957	945149	48.02	ug/L	98
71)	tert-Butylbenzene	134	18.059	18.059	0.973	278222	55.14	ug/L	92
72)	1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	1108327	48.28	ug/L	100
73)	sec-Butylbenzene	105	18.296	18.296	0.985	1532630	50.16	ug/L	99
74)	4-Isopropyltoluene	119	18.426	18.426	0.992	1317776	51.07	ug/L	99
75)	1,3-Dichlorobenzene	146	18.509	18.509	0.997	709915	45.09	ug/L	100
76)	1,4-Dichlorobenzene	146	18.604	18.604	1.002	666037	45.98	ug/L	98
77)	n-Butylbenzene	91	18.901	18.901	1.018	1216005	52.03	ug/L	99
78)	1,2-Dichlorobenzene	146	19.055	19.055	1.026	716817	46.64	ug/L	99
79)	1,2-Dibromo-3-chloropr...	157	20.015	20.015	1.078	82274	46.16	ug/L	95
80)	1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	585935	47.30	ug/L	100
81)	Hexachlorobutadiene	225	21.320	21.320	1.148	341452	47.04	ug/L	99
82)	Naphthalene	128	21.581	21.581	1.162	1461281	47.50	ug/L	100
83)	1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	590598	47.42	ug/L	99
85)	Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86)	2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87)	Acrolein		0.000	7.932	0.000	0	N.D.		
88)	Trichlorotrifluoroethane		8.133	8.121	0.656	0m	N.D.	d	
89)	Isopropyl Alcohol		0.000	8.347	0.000	0	N.D.		
90)	Allyl chloride		8.619	8.726	0.695	0m	N.D.	d	
91)	tert-Butyl Alcohol		0.000	8.999	0.000	0	N.D.		
92)	Acrylonitrile		9.343	9.331	0.753	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G128.D
Acq On : 21 Oct 2013 20:03
Operator : CDS1
InstName : VOA3
Sample : |1202971502|1340505|1|VOA|1|VOA8260BL|
Misc : LCS 5ML - MIX[A] 0815-01J/02M+1021-02
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 22 07:33:41 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

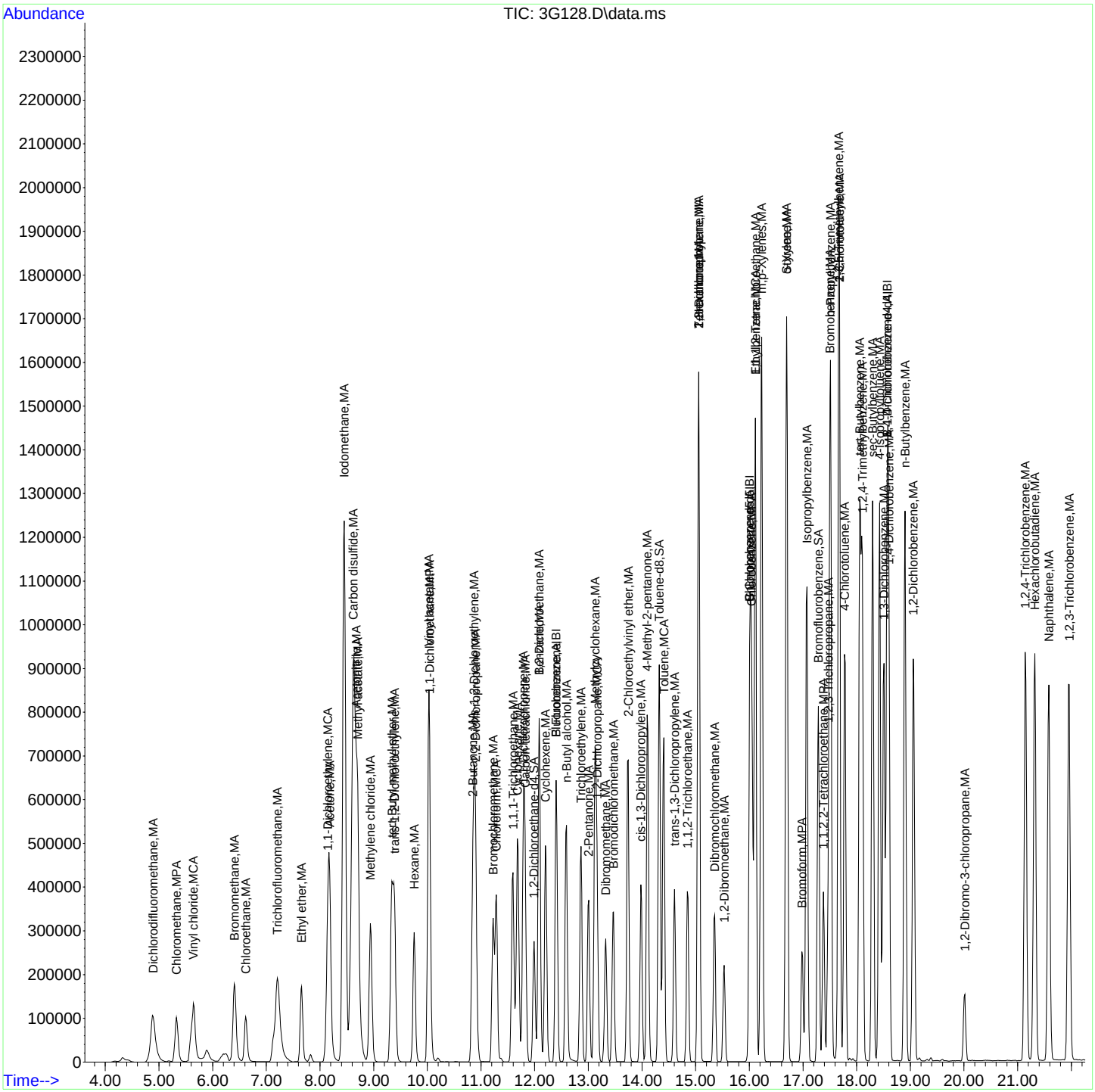
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
93)	Isopropyl ether		10.031	10.031	0.809	0m	N.D.	d
94)	2-Chloro-1,3-butadiene		10.197	10.173	0.822	0m	N.D.	d
95)	Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.	
96)	Ethyl acetate		10.837	10.861	0.874	0m	N.D.	d
97)	Propionitrile		10.837	10.956	0.874	0m	N.D.	d
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.288	11.276	0.910	0m	N.D.	d
100)	Isobutyl alcohol		11.679	11.750	0.942	0m	N.D.	d
101)	Methyl tert-amyl ether		12.082	12.118	0.974	0m	N.D.	d
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		13.730	13.719	1.107	0m	N.D.	d
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		17.063	17.134	0.919	0m	N.D.	d
110)	Cyclohexanone		17.276	17.252	0.930	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		17.513	17.430	0.943	0m	N.D.	d
112)	Pentachloroethane		18.142	18.142	0.977	0m	N.D.	d
113)	Benzyl chloride		18.735	18.735	1.009	0m	N.D.	d
114)	bis(2-Chloroisopropyl)...		0.000	19.150	0.000	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G128.D
Acq On : 21 Oct 2013 20:03
Operator : CDS1
InstName : VOA3
Sample : |1202971502|1340505|1|VOA|1|VOA8260BL|
Misc : LCS 5ML - MIX[A] 0815-01J/02M+1021-02
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 22 07:33:41 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE



Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 12:02**	**Matrix:**	**WATER**
Lab Sample ID:	**1202971009**	**Date Received:**	**10/09/2013 09:05**		
Client Sample:	**QC for batch 1340505**	**Client:**	**EBER001**	**Project:**	**QC**
Client ID:	**WLL20131008G5PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 03:45**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 03:45**				
Data File:	**102113V3\3G144.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane		55.6	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane		46.1	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane		48.6	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane		50.6	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene		53.8	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene		42.2	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene		39.7	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane		48.5	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane		48.6	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene		45.1	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane		52.5	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane		50.5	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene		42.6	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene		43.6	ug/L	0.300	1.00
123-91-1	1,4-Dioxane	U	50.0	ug/L	15.0	50.0
78-93-3	2-Butanone		178	ug/L	2.00	5.00
591-78-6	2-Hexanone		199	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone		230	ug/L	1.50	5.00
67-64-1	Acetone		109	ug/L	2.50	5.00
71-43-2	Benzene		50.0	ug/L	0.300	1.00
74-97-5	Bromochloromethane		47.4	ug/L	0.300	1.00
75-27-4	Bromodichloromethane		55.0	ug/L	0.300	1.00
75-25-2	Bromoform		50.2	ug/L	0.300	1.00
74-83-9	Bromomethane		59.3	ug/L	0.300	1.00
75-15-0	Carbon disulfide		282	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride		59.0	ug/L	0.300	1.00
108-90-7	Chlorobenzene		51.8	ug/L	0.300	1.00
75-00-3	Chloroethane		52.6	ug/L	0.300	1.00
67-66-3	Chloroform		51.6	ug/L	0.300	1.00
74-87-3	Chloromethane		57.7	ug/L	0.300	1.00
110-82-7	Cyclohexane		58.3	ug/L	0.300	1.00
124-48-1	Dibromochloromethane		51.0	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane		54.5	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene		51.6	ug/L	0.300	1.00
98-82-8	Isopropylbenzene		50.4	ug/L	0.300	1.00
79-20-9	Methyl acetate		233	ug/L	1.50	5.00
108-87-2	Methylcyclohexane		56.8	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 12:02**	**Matrix:**	**WATER**
Lab Sample ID:	**1202971009**	**Date Received:**	**10/09/2013 09:05**		
Client Sample:	**QC for batch 1340505**	**Client:**	**EBER001**	**Project:**	**QC**
Client ID:	**WLL20131008G5PS**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 03:45**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 03:45**				
Data File:	**102113V3\3G144.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride		53.8	ug/L	1.00	5.00
100-42-5	Styrene		52.5	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene		49.2	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran	U	5.00	ug/L	1.50	5.00
108-88-3	Toluene		51.3	ug/L	0.300	1.00
79-01-6	Trichloroethylene		54.9	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane		55.3	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride		71.5	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene		51.9	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene		50.5	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes		103	ug/L	0.300	2.00
95-47-6	o-Xylene		53.6	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether		49.7	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene		51.6	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene		48.9	ug/L	0.300	1.00

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G144.D
Acq On : 22 Oct 2013 03:45
Operator : CDS1
InstName : VOA3
Sample : |1202971009|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2 MS 335201004 MIX[A]
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 22 07:44:56 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) Fluorobenzene	96	12.402	12.402	1.000	591186	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	279888	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	364892	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	591186	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	279888	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	364892	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	122350	54.27	ug/L	0.00
45) Toluene-d8	98	14.323	14.323	0.895	646548	51.53	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	323928	48.76	ug/L	0.00

Compound	Amount	Range	Recovery
30) 1,2-Dichloroethane-d4	50.000	78 - 124	108.54%
45) Toluene-d8	50.000	80 - 120	103.06%
63) Bromofluorobenzene	50.000	80 - 120	97.52%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	251691	54.45	ug/L	99
3) Chloromethane	50	5.340	5.325	0.431	192716	57.72	ug/L	100
4) Vinyl chloride	62	5.667	5.643	0.457	282943	71.47	ug/L	99
5) Bromomethane	96	6.437	6.402	0.519	186738	59.28	ug/L	100
6) Chloroethane	64	6.627	6.627	0.534	142878	52.59	ug/L	100
7) Trichlorofluoromethane	101	7.208	7.196	0.581	475730	55.30	ug/L	98
8) Ethyl ether	59	7.659	7.647	0.618	129875	54.35	ug/L	100
9) Acetone	58	8.181	8.181	0.660	57321	109.18	ug/L #	83
10) 1,1-Dichloroethylene	61	8.157	8.145	0.658	321370	53.76	ug/L	99
11) Iodomethane	142	8.453	8.442	0.682	1802652	263.07	ug/L	96
12) Acetonitrile	41	8.679	8.679	0.700	444456	1306.88	ug/L	99
13) Methyl acetate	74	8.702	8.702	0.702	98508	232.87	ug/L	97
14) Carbon disulfide	76	8.631	8.619	0.696	2841966	281.87	ug/L	99
15) Methylene chloride	84	8.940	8.940	0.721	190514	53.77	ug/L	99
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	450218	49.68	ug/L	99
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	238515	51.62	ug/L	99
18) Hexane		0.000	9.746	0.000	0	N.D.		
19) Vinyl acetate	43	10.031	10.019	0.809	1189200	239.38	ug/L	100
20) 1,1-Dichloroethane	63	10.042	10.043	0.810	299531	50.62	ug/L	99
21) 2-Butanone	72	10.849	10.837	0.875	73488	177.98	ug/L	97
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	183955	51.85	ug/L	98
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	271944	51.22	ug/L	98
24) Bromochloromethane	128	11.228	11.217	0.905	97666	47.40	ug/L	96
25) Chloroform	83	11.288	11.276	0.910	339664	51.55	ug/L	99
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	340522	55.59	ug/L	99
27) Cyclohexane	56	11.679	11.679	0.942	266042	58.34	ug/L	97
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	204303	52.05	ug/L	100
29) Carbon tetrachloride	117	11.821	11.809	0.953	347418	59.04	ug/L	100
31) 1,2-Dichloroethane	62	12.082	12.082	0.974	248372	52.48	ug/L	99
32) Benzene	78	12.082	12.082	0.974	521102	50.00	ug/L	99
33) Cyclohexene	67	12.201	12.201	0.984	284223	58.62	ug/L	98
34) n-Butyl alcohol	56	12.592	12.580	1.015	410474	5819.78	ug/L	99
35) Trichloroethylene	95	12.865	12.853	1.037	172234	54.85	ug/L	97

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G144.D
Acq On : 22 Oct 2013 03:45
Operator : CDS1
InstName : VOA3
Sample : |1202971009|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2 MS 335201004 MIX[A]
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 22 07:44:56 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
36)	2-Pentanone	43	13.019	12.995	1.050	391	N.D.		
37)	1,2-Dichloropropane	63	13.161	13.161	1.061	136823	50.47	ug/L	97
38)	Methylcyclohexane	83	13.126	13.126	1.058	283453	56.77	ug/L	99
39)	Dibromomethane	93	13.327	13.315	1.075	110646	51.50	ug/L	98
40)	Bromodichloromethane	83	13.458	13.458	1.085	253019	55.03	ug/L	100
41)	2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42)	cis-1,3-Dichloropropylene	75	13.979	13.980	1.127	222956	50.46	ug/L	99
44)	4-Methyl-2-pentanone	58	14.098	14.098	0.881	237440	230.28	ug/L	95
46)	Toluene	91	14.406	14.406	0.900	608629	51.26	ug/L	98
47)	trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	228104	48.94	ug/L	99
48)	1,1,2-Trichloroethane	83	14.845	14.845	0.927	112735	48.62	ug/L	99
49)	2-Hexanone	58	15.059	15.047	0.941	227452	199.11	ug/L	97
50)	1,3-Dichloropropane	76	15.059	15.059	0.941	217118	49.03	ug/L	90
51)	Tetrachloroethylene	164	15.059	15.059	0.941	133144	49.23	ug/L	95
52)	Dibromochloromethane	129	15.355	15.343	0.959	209128	51.00	ug/L	100
53)	1,2-Dibromoethane	107	15.533	15.521	0.970	156966	48.55	ug/L	98
54)	Chlorobenzene	112	16.043	16.043	1.002	453186	51.75	ug/L	100
55)	1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	201962	51.13	ug/L	99
56)	Ethylbenzene	91	16.114	16.114	1.007	703013	51.62	ug/L	99
57)	m,p-Xylenes	106	16.233	16.233	1.014	572644	103.33	ug/L	95
58)	o-Xylene	106	16.695	16.695	1.043	315805	53.60	ug/L	96
59)	Styrene	104	16.695	16.695	1.043	487106	52.47	ug/L	99
61)	Bromoform	173	16.980	16.980	0.914	134222	50.22	ug/L	99
62)	Isopropylbenzene	105	17.075	17.075	0.920	848045	50.42	ug/L	98
64)	1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	207776	46.14	ug/L	99
65)	1,2,3-Trichloropropane	75	17.478	17.466	0.941	192995	44.29	ug/L	98
66)	Bromobenzene	156	17.501	17.502	0.943	220638	43.31	ug/L	99
67)	n-Propylbenzene	91	17.513	17.513	0.943	918961	47.80	ug/L	98
68)	1,3,5-Trimethylbenzene	105	17.667	17.668	0.951	731720	49.89	ug/L	98
69)	2-Chlorotoluene	126	17.679	17.668	0.952	226074	46.60	ug/L	96
70)	4-Chlorotoluene	91	17.774	17.774	0.957	623613	46.82	ug/L	98
71)	tert-Butylbenzene	134	18.059	18.059	0.973	179001	52.42	ug/L	96
72)	1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	750875	48.33	ug/L	98
73)	sec-Butylbenzene	105	18.296	18.296	0.985	1050506	50.81	ug/L	98
74)	4-Isopropyltoluene	119	18.426	18.426	0.992	898225	51.44	ug/L	99
75)	1,3-Dichlorobenzene	146	18.509	18.509	0.997	453968	42.61	ug/L	99
76)	1,4-Dichlorobenzene	146	18.604	18.604	1.002	427700	43.63	ug/L	98
77)	n-Butylbenzene	91	18.901	18.901	1.018	792306	50.09	ug/L	98
78)	1,2-Dichlorobenzene	146	19.055	19.055	1.026	468959	45.09	ug/L	99
79)	1,2-Dibromo-3-chloropr...	157	20.015	20.015	1.078	58439	48.45	ug/L	100
80)	1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	332518	39.66	ug/L	99
81)	Hexachlorobutadiene	225	21.320	21.320	1.148	234353	47.71	ug/L	99
82)	Naphthalene	128	21.581	21.581	1.162	949328	45.60	ug/L	99
83)	1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	355829	42.22	ug/L	98
85)	Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86)	2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87)	Acrolein		0.000	7.932	0.000	0	N.D.		
88)	Trichlorotrifluoroethane		8.121	8.121	0.655	0m	N.D.	d	
89)	Isopropyl Alcohol		8.347	8.347	0.673	0m	N.D.	d	
90)	Allyl chloride		8.631	8.726	0.696	0m	N.D.	d	
91)	tert-Butyl Alcohol		8.999	8.999	0.726	0m	N.D.	d	
92)	Acrylonitrile		9.331	9.331	0.752	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G144.D
Acq On : 22 Oct 2013 03:45
Operator : CDS1
InstName : VOA3
Sample : |1202971009|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2 MS 335201004 MIX[A]
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 22 07:44:56 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

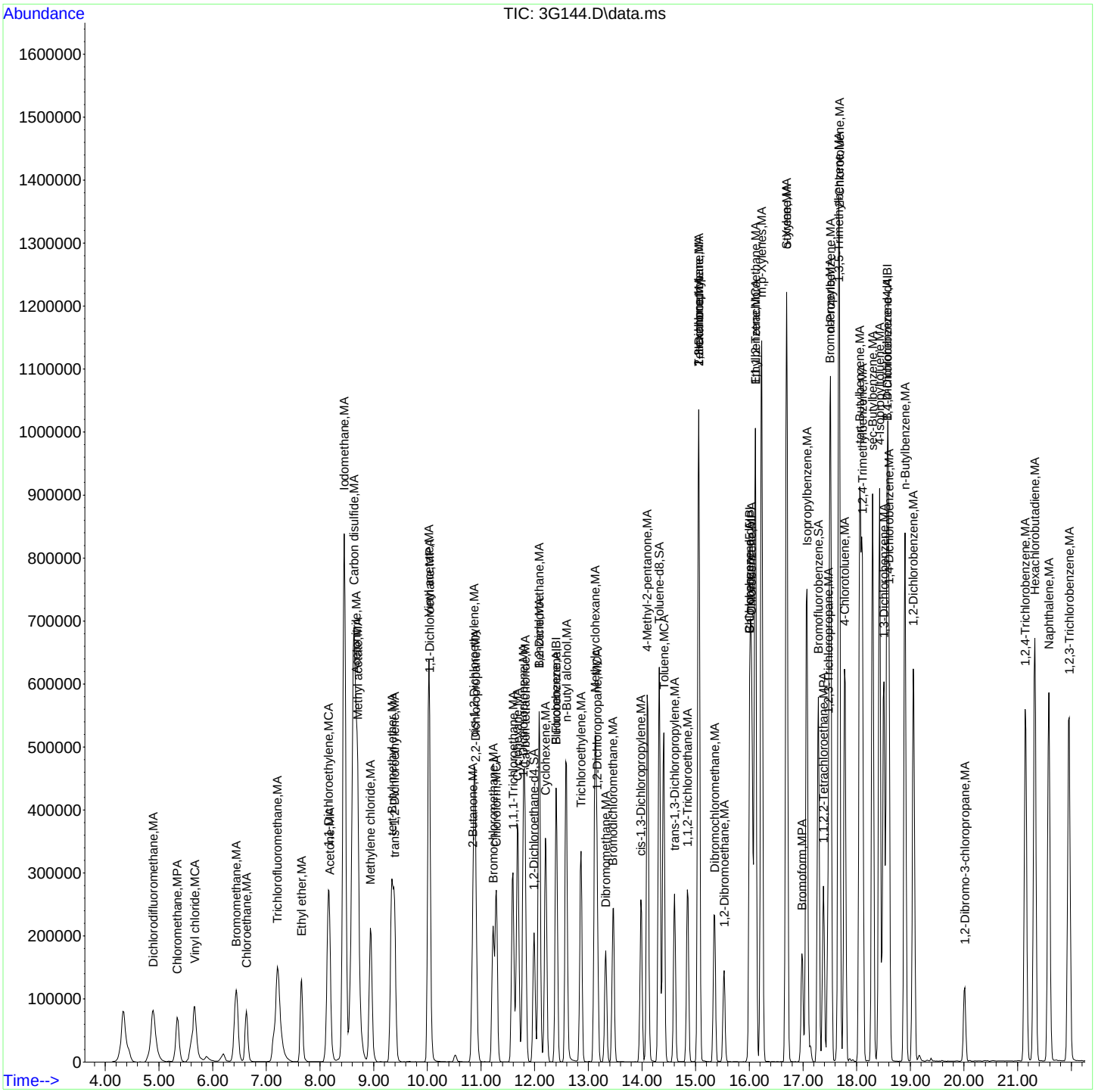
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
93)	Isopropyl ether		10.031	10.031	0.809	0m	N.D.	d
94)	2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.	
95)	Ethyl tert-butyl ether		0.000	10.564	0.000	0	N.D.	
96)	Ethyl acetate		10.837	10.861	0.874	0m	N.D.	d
97)	Propionitrile		0.000	10.956	0.000	0	N.D.	
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.288	11.276	0.910	0m	N.D.	d
100)	Isobutyl alcohol		11.679	11.750	0.942	0m	N.D.	d
101)	Methyl tert-amyl ether		12.082	12.118	0.974	0m	N.D.	d
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		13.292	13.280	1.072	0m	N.D.	d
104)	2-Nitropropane		0.000	13.719	0.000	0	N.D.	
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		17.063	17.134	0.919	0m	N.D.	d
110)	Cyclohexanone		17.276	17.252	0.930	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		17.513	17.430	0.943	0m	N.D.	d
112)	Pentachloroethane		18.142	18.142	0.977	0m	N.D.	d
113)	Benzyl chloride		18.675	18.735	1.006	0m	N.D.	d
114)	bis(2-Chloroisopropyl)...		19.162	19.150	1.032	0m	N.D.	d

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

```
Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G144.D
Acq On    : 22 Oct 2013  03:45
Operator  : CDS1
InstName  : VOA3
Sample    : |1202971009|1340505|1|VOA|1|VOA8260BL|
Misc      : EBER 5ML PH2 MS 335201004 MIX[A]
ALS Vial  : 44   Sample Multiplier: 1

Quant Time: Oct 22 07:44:56 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title  : Volatile Organics 8260B                    SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE
```



Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 12:02**	**Matrix:**	**WATER**
Lab Sample ID:	**1202971010**	**Date Received:**	**10/09/2013 09:05**		
Client Sample:	**QC for batch 1340505**	**Client:**	**EBER001**	**Project:**	**QC**
Client ID:	**WLL20131008G5PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 04:14**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 04:14**				
Data File:	**102113V3\3G145.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-55-6	1,1,1-Trichloroethane		51.7	ug/L	0.300	1.00
79-34-5	1,1,2,2-Tetrachloroethane		46.2	ug/L	0.300	1.00
79-00-5	1,1,2-Trichloroethane		46.4	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane		47.0	ug/L	0.300	1.00
75-35-4	1,1-Dichloroethylene		51.6	ug/L	0.300	1.00
87-61-6	1,2,3-Trichlorobenzene		42.3	ug/L	0.300	1.00
120-82-1	1,2,4-Trichlorobenzene		40.0	ug/L	0.300	1.00
96-12-8	1,2-Dibromo-3-chloropropane		48.6	ug/L	0.500	1.00
106-93-4	1,2-Dibromoethane		47.9	ug/L	0.300	1.00
95-50-1	1,2-Dichlorobenzene		46.5	ug/L	0.300	1.00
107-06-2	1,2-Dichloroethane		49.5	ug/L	0.300	1.00
78-87-5	1,2-Dichloropropane		47.5	ug/L	0.300	1.00
541-73-1	1,3-Dichlorobenzene		42.8	ug/L	0.300	1.00
106-46-7	1,4-Dichlorobenzene		42.9	ug/L	0.300	1.00
123-91-1	1,4-Dioxane	U	50.0	ug/L	15.0	50.0
78-93-3	2-Butanone		172	ug/L	2.00	5.00
591-78-6	2-Hexanone		191	ug/L	2.20	5.00
108-10-1	4-Methyl-2-pentanone		224	ug/L	1.50	5.00
67-64-1	Acetone		107	ug/L	2.50	5.00
71-43-2	Benzene		48.3	ug/L	0.300	1.00
74-97-5	Bromochloromethane		46.0	ug/L	0.300	1.00
75-27-4	Bromodichloromethane		51.1	ug/L	0.300	1.00
75-25-2	Bromoform		52.5	ug/L	0.300	1.00
74-83-9	Bromomethane		55.6	ug/L	0.300	1.00
75-15-0	Carbon disulfide		263	ug/L	1.50	5.00
56-23-5	Carbon tetrachloride		53.0	ug/L	0.300	1.00
108-90-7	Chlorobenzene		51.0	ug/L	0.300	1.00
75-00-3	Chloroethane		47.0	ug/L	0.300	1.00
67-66-3	Chloroform		48.7	ug/L	0.300	1.00
74-87-3	Chloromethane		56.6	ug/L	0.300	1.00
110-82-7	Cyclohexane		52.5	ug/L	0.300	1.00
124-48-1	Dibromochloromethane		49.9	ug/L	0.300	1.00
75-71-8	Dichlorodifluoromethane		51.2	ug/L	0.300	1.00
141-78-6	Ethyl acetate	U	5.00	ug/L	1.50	5.00
100-41-4	Ethylbenzene		47.7	ug/L	0.300	1.00
98-82-8	Isopropylbenzene		50.2	ug/L	0.300	1.00
79-20-9	Methyl acetate		229	ug/L	1.50	5.00
108-87-2	Methylcyclohexane		54.1	ug/L	0.300	1.00

Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**335204**	**Date Collected:**	**10/08/2013 12:02**	**Matrix:**	**WATER**
Lab Sample ID:	**1202971010**	**Date Received:**	**10/09/2013 09:05**		
Client Sample:	**QC for batch 1340505**	**Client:**	**EBER001**	**Project:**	**QC**
Client ID:	**WLL20131008G5PSD**	**Method:**	**SW846 8260B**	**SOP Ref:**	**GL-OA-E-038**
Batch ID:	**1340505**	**Inst:**	**VOA3.I**	**Dilution:**	**1**
Run Date:	**10/22/2013 04:14**	**Analyst:**	**CDS1**	**Purge Vol:**	**5 mL**
Prep Date:	**10/22/2013 04:14**				
Data File:	**102113V3\3G145.D**	**Column:**	**DB-624**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
75-09-2	Methylene chloride		52.8	ug/L	1.00	5.00
100-42-5	Styrene		50.7	ug/L	0.300	1.00
127-18-4	Tetrachloroethylene		45.6	ug/L	0.300	1.00
109-99-9	Tetrahydrofuran	U	5.00	ug/L	1.50	5.00
108-88-3	Toluene		47.7	ug/L	0.300	1.00
79-01-6	Trichloroethylene		50.1	ug/L	0.300	1.00
75-69-4	Trichlorofluoromethane		48.5	ug/L	0.300	1.00
76-13-1	Trichlorotrifluoroethane	U	5.00	ug/L	1.50	5.00
75-01-4	Vinyl chloride		64.6	ug/L	0.300	1.00
156-59-2	cis-1,2-Dichloroethylene		49.6	ug/L	0.300	1.00
10061-01-5	cis-1,3-Dichloropropylene		50.1	ug/L	0.300	1.00
179601-23-1	m,p-Xylenes		98.0	ug/L	0.300	2.00
95-47-6	o-Xylene		51.2	ug/L	0.300	1.00
1634-04-4	tert-Butyl methyl ether		51.5	ug/L	0.300	1.00
156-60-5	trans-1,2-Dichloroethylene		48.9	ug/L	0.300	1.00
10061-02-6	trans-1,3-Dichloropropylene		46.8	ug/L	0.300	1.00

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G145.D
Acq On : 22 Oct 2013 04:14
Operator : CDS1
InstName : VOA3
Sample : |1202971010|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2 MSD 335201004 MIX[A]
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 25 13:43:11 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) Fluorobenzene	96	12.402	12.402	1.000	716975	50.00	ug/L	0.00
43) Chlorobenzene-d5	82	16.007	16.007	1.000	332163	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	401357	50.00	ug/L	0.00
84) B Fluorobenzene	96	12.402	12.402	1.000	716975	50.00	ug/L	0.00
105) B Chlorobenzene-d5	82	16.007	16.007	1.000	332163	50.00	ug/L	0.00
107) B 1,4-Dichlorobenzene-d4	152	18.569	18.569	1.000	401357	50.00	ug/L	0.00
System Monitoring Compounds								Dev(Min)
30) 1,2-Dichloroethane-d4	67	11.987	11.987	0.967	140072	51.23	ug/L	0.00
45) Toluene-d8	98	14.324	14.323	0.895	737266	49.51	ug/L	0.00
63) Bromofluorobenzene	95	17.288	17.288	0.931	366785	50.19	ug/L	0.00

Compound	Amount	Range	Recovery
30) 1,2-Dichloroethane-d4	50.000	78 - 124	102.46%
45) Toluene-d8	50.000	80 - 120	99.02%
63) Bromofluorobenzene	50.000	80 - 120	100.38%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) Dichlorodifluoromethane	85	4.894	4.894	0.395	286907	51.18	ug/L	99
3) Chloromethane	50	5.340	5.325	0.431	229062	56.57	ug/L	100
4) Vinyl chloride	62	5.667	5.643	0.457	310274	64.62	ug/L	99
5) Bromomethane	96	6.449	6.402	0.520	212573	55.64	ug/L	99
6) Chloroethane	64	6.627	6.627	0.534	154903	47.01	ug/L	98
7) Trichlorofluoromethane	101	7.208	7.196	0.581	506079	48.51	ug/L	99
8) Ethyl ether	59	7.659	7.647	0.618	152115	52.49	ug/L	94
9) Acetone	58	8.181	8.181	0.660	68134	106.98	ug/L	98
10) 1,1-Dichloroethylene	61	8.157	8.145	0.658	373742	51.55	ug/L	99
11) Iodomethane	142	8.454	8.442	0.682	2158104	259.69	ug/L	99
12) Acetonitrile	41	8.679	8.679	0.700	484984	1170.18	ug/L	100
13) Methyl acetate	74	8.703	8.702	0.702	117374	228.79	ug/L	92
14) Carbon disulfide	76	8.631	8.619	0.696	3215888	262.99	ug/L	100
15) Methylene chloride	84	8.940	8.940	0.721	226938	52.76	ug/L	97
16) tert-Butyl methyl ether	73	9.343	9.331	0.753	565535	51.45	ug/L	99
17) trans-1,2-Dichloroethy...	61	9.390	9.378	0.757	274222	48.94	ug/L	99
18) Hexane		0.000	9.746	0.000	0	N.D.		
19) Vinyl acetate	43	10.031	10.019	0.809	1256513	208.56	ug/L	99
20) 1,1-Dichloroethane	63	10.043	10.043	0.810	337375	47.01	ug/L	100
21) 2-Butanone	72	10.849	10.837	0.875	86020	171.78	ug/L	95
22) cis-1,2-Dichloroethylene	96	10.873	10.873	0.877	213298	49.58	ug/L	96
23) 2,2-Dichloropropane	77	10.896	10.896	0.879	307227	47.71	ug/L	100
24) Bromochloromethane	128	11.228	11.217	0.905	115033	46.03	ug/L	97
25) Chloroform	83	11.288	11.276	0.910	389400	48.73	ug/L	100
26) 1,1,1-Trichloroethane	97	11.596	11.584	0.935	383722	51.65	ug/L	99
27) Cyclohexane	56	11.679	11.679	0.942	290432	52.51	ug/L	97
28) 1,1-Dichloropropene	75	11.786	11.786	0.950	231048	48.54	ug/L	97
29) Carbon tetrachloride	117	11.821	11.809	0.953	378226	53.00	ug/L	100
31) 1,2-Dichloroethane	62	12.082	12.082	0.974	284223	49.52	ug/L	98
32) Benzene	78	12.082	12.082	0.974	610161	48.27	ug/L	100
33) Cyclohexene	67	12.201	12.201	0.984	314521	53.49	ug/L	97
34) n-Butyl alcohol	56	12.592	12.580	1.015	442726	5175.78	ug/L	99
35) Trichloroethylene	95	12.865	12.853	1.037	190773	50.09	ug/L	100

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G145.D
Acq On : 22 Oct 2013 04:14
Operator : CDS1
InstName : VOA3
Sample : |1202971010|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2 MSD 335201004 MIX[A]
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 25 13:43:11 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
36)	2-Pentanone	43	13.019	12.995	1.050	585	N.D.		
37)	1,2-Dichloropropane	63	13.161	13.161	1.061	156238	47.52	ug/L	98
38)	Methylcyclohexane	83	13.126	13.126	1.058	327357	54.06	ug/L	99
39)	Dibromomethane	93	13.327	13.315	1.075	125797	48.28	ug/L	100
40)	Bromodichloromethane	83	13.458	13.458	1.085	284919	51.10	ug/L	99
41)	2-Chloroethylvinyl ether		0.000	13.730	0.000	0	N.D.		
42)	cis-1,3-Dichloropropylene	75	13.980	13.980	1.127	268308	50.07	ug/L	99
44)	4-Methyl-2-pentanone	58	14.098	14.098	0.881	274524	224.35	ug/L	100
46)	Toluene	91	14.407	14.406	0.900	671440	47.65	ug/L	99
47)	trans-1,3-Dichloroprop...	75	14.608	14.608	0.913	258649	46.76	ug/L	98
48)	1,1,2-Trichloroethane	83	14.845	14.845	0.927	127725	46.41	ug/L	99
49)	2-Hexanone	58	15.059	15.047	0.941	258432	190.62	ug/L	99
50)	1,3-Dichloropropane	76	15.059	15.059	0.941	238880	45.45	ug/L	90
51)	Tetrachloroethylene	164	15.059	15.059	0.941	146306	45.58	ug/L	97
52)	Dibromochloromethane	129	15.355	15.343	0.959	242575	49.85	ug/L	99
53)	1,2-Dibromoethane	107	15.533	15.521	0.970	183765	47.90	ug/L	99
54)	Chlorobenzene	112	16.043	16.043	1.002	529714	50.97	ug/L	99
55)	1,1,1,2-Tetrachloroethane	131	16.114	16.114	1.007	232317	49.56	ug/L	99
56)	Ethylbenzene	91	16.114	16.114	1.007	771101	47.71	ug/L	99
57)	m,p-Xylenes	106	16.233	16.233	1.014	644793	98.03	ug/L	97
58)	o-Xylene	106	16.695	16.695	1.043	357888	51.18	ug/L	98
59)	Styrene	104	16.695	16.695	1.043	558986	50.74	ug/L	99
61)	Bromoform	173	16.980	16.980	0.914	154318	52.49	ug/L	99
62)	Isopropylbenzene	105	17.075	17.075	0.920	928708	50.20	ug/L	98
64)	1,1,2,2-Tetrachloroethane	83	17.383	17.383	0.936	228868	46.20	ug/L	98
65)	1,2,3-Trichloropropane	75	17.466	17.466	0.941	211715	44.17	ug/L	96
66)	Bromobenzene	156	17.502	17.502	0.943	250044	44.62	ug/L	100
67)	n-Propylbenzene	91	17.513	17.513	0.943	1017636	48.12	ug/L	99
68)	1,3,5-Trimethylbenzene	105	17.668	17.668	0.951	810157	50.22	ug/L	98
69)	2-Chlorotoluene	126	17.680	17.668	0.952	250674	46.98	ug/L	99
70)	4-Chlorotoluene	91	17.774	17.774	0.957	694851	47.43	ug/L	99
71)	tert-Butylbenzene	134	18.059	18.059	0.973	186008	49.52	ug/L	92
72)	1,2,4-Trimethylbenzene	105	18.106	18.106	0.975	826818	48.38	ug/L	98
73)	sec-Butylbenzene	105	18.296	18.296	0.985	1132529	49.80	ug/L	98
74)	4-Isopropyltoluene	119	18.427	18.426	0.992	973823	50.71	ug/L	99
75)	1,3-Dichlorobenzene	146	18.510	18.509	0.997	501741	42.81	ug/L	99
76)	1,4-Dichlorobenzene	146	18.604	18.604	1.002	462100	42.85	ug/L	98
77)	n-Butylbenzene	91	18.901	18.901	1.018	838627	48.20	ug/L	99
78)	1,2-Dichlorobenzene	146	19.055	19.055	1.026	531621	46.48	ug/L	99
79)	1,2-Dibromo-3-chloropr...	157	20.016	20.015	1.078	64520	48.63	ug/L	97
80)	1,2,4-Trichlorobenzene	180	21.142	21.142	1.139	369237	40.04	ug/L	99
81)	Hexachlorobutadiene	225	21.320	21.320	1.148	246992	45.72	ug/L	100
82)	Naphthalene	128	21.581	21.581	1.162	1072542	46.84	ug/L	100
83)	1,2,3-Trichlorobenzene	180	21.960	21.960	1.183	391974	42.28	ug/L	99
85)	Chlorotrifluoroethylene		0.000	4.790	0.000	0	N.D.		
86)	2-Chloro-1,1,1-trifluo...		0.000	5.868	0.000	0	N.D.		
87)	Acrolein		0.000	7.932	0.000	0	N.D.		
88)	Trichlorotrifluoroethane		8.145	8.121	0.657	0m	N.D.	d	
89)	Isopropyl Alcohol		8.347	8.347	0.673	0m	N.D.	d	
90)	Allyl chloride		8.631	8.726	0.696	0m	N.D.	d	
91)	tert-Butyl Alcohol		8.999	8.999	0.726	0m	N.D.	d	
92)	Acrylonitrile		9.331	9.331	0.752	0m	N.D.	d	

Quantitation Report
GEL Laboratories, LLC

Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G145.D
Acq On : 22 Oct 2013 04:14
Operator : CDS1
InstName : VOA3
Sample : |1202971010|1340505|1|VOA|1|VOA8260BL|
Misc : EBER 5ML PH2 MSD 335201004 MIX[A]
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 25 13:43:11 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title : Volatile Organics 8260B SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE

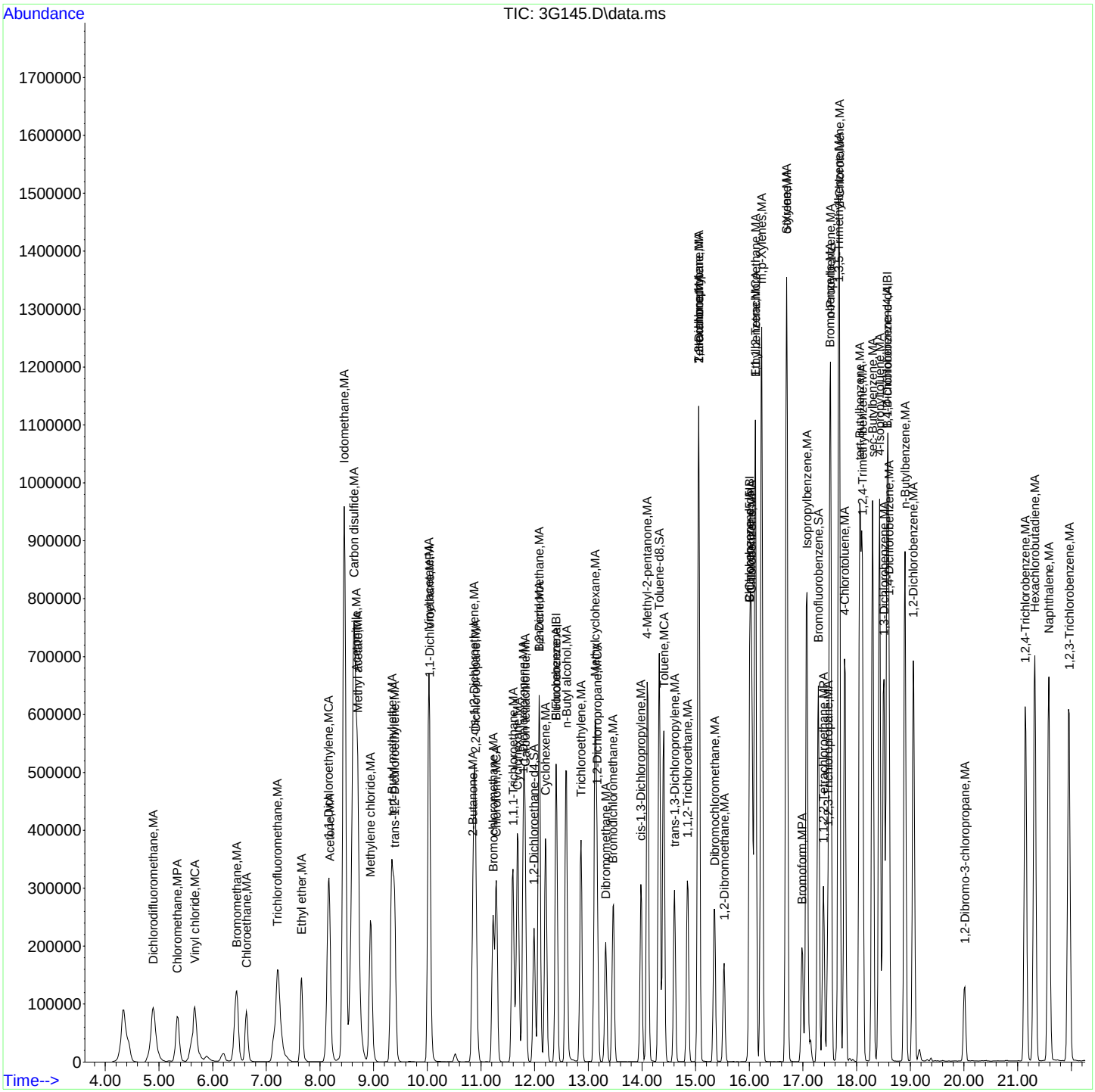
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units
93)	Isopropyl ether		10.031	10.031	0.809	0m	N.D.	d
94)	2-Chloro-1,3-butadiene		0.000	10.173	0.000	0	N.D.	
95)	Ethyl tert-butyl ether		10.529	10.564	0.849	0m	N.D.	d
96)	Ethyl acetate		10.849	10.861	0.875	0m	N.D.	d
97)	Propionitrile		10.849	10.956	0.875	0m	N.D.	d
98)	Methacrylonitrile		0.000	11.169	0.000	0	N.D.	
99)	Tetrahydrofuran		11.288	11.276	0.910	0m	N.D.	d
100)	Isobutyl alcohol		11.786	11.750	0.950	0m	N.D.	d
101)	Methyl tert-amyl ether		12.082	12.118	0.974	0m	N.D.	d
102)	Methyl methacrylate		13.126	13.161	1.058	0m	N.D.	d
103)	1,4-Dioxane		0.000	13.280	0.000	0	N.D.	
104)	2-Nitropropane		0.000	13.719	0.000	0	N.D.	
106)	Ethyl methacrylate		0.000	14.608	0.000	0	N.D.	
108)	1-Chlorohexane		0.000	15.901	0.000	0	N.D.	
109)	cis-1,4-Dichloro-2-butene		17.063	17.134	0.919	0m	N.D.	d
110)	Cyclohexanone		17.276	17.252	0.930	0m	N.D.	d
111)	trans-1,4-Dichloro-2-b...		17.513	17.430	0.943	0m	N.D.	d
112)	Pentachloroethane		18.142	18.142	0.977	0m	N.D.	d
113)	Benzyl chloride		18.676	18.735	1.006	0m	N.D.	d
114)	bis(2-Chloroisopropyl)...		19.162	19.150	1.032	0m	N.D.	d

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

```
Data Path : C:\msdchem\1\DATA\102113V3\
Data File : 3G145.D
Acq On    : 22 Oct 2013  04:14
Operator  : CDS1
InstName  : VOA3
Sample    : |1202971010|1340505|1|VOA|1|VOA8260BL|
Misc      : EBER 5ML PH2 MSD 335201004 MIX[A]
ALS Vial  : 45   Sample Multiplier: 1

Quant Time: Oct 25 13:43:11 2013
Quant Method : C:\msdchem\1\DATA\100813V3\VOA3-8260-100813.M
Quant Title  : Volatile Organics 8260B                    SubList :
QLast Update : Wed Oct 09 07:01:18 2013
Response via : Initial Calibration
Integrator: RTE
```



Miscellaneous

General Engineering Laboratories, LLC
Revision:11/22/04

ORGANIC RUN LOG - INSTRUMENT ID#VOA3

Date: 10/8/2013 Method 8260/624 Operator: CDS1

REVIEWED BY: _____
DATE: _____

HARDWARE CONFIGURATION & METHOD CONDITIONS SUMMARY No# 36

Daily Instrument Readings:
Multiplier Voltage: 1929

CALIBRATION & CC INFORMATION:

Initial Calibration Date: 10/8/2013

(See pg. _____ for ICAL Std. Sci. Ids)

Cl test lot # N/A

Sequence Number: 100813V3

Daily Standard Solution ID#		Volume Added for Purge (ul) Blk/ Smpl	CCV	MS/ LCS	BFB
IS	UVM130911-01	1	1	1	
SS	UVM130911-02	1	1	1	
Long ICV	W3VM131008-10			5uL ea.	
BFB	IVM130920-01				1
Short ICV	W3VM131008-18			5uL ea.	

Purge Amount	
5	Water Purge Vol:
n/a	Soil Purge Wt.
n/a	Mid level ext. MeOH Vol:
n/a	ul
n/a	Methanol Lot #
x	Heated Purge

Analysis Date	Time	Data File	Lab Sample ID	Client	Batch #	Wt.(g) or Vol(ml/ul)	Dil. Factor	pH	AS Slot #	Matrix w or s	Analyst	Cl test (Y/N)	Acceptable(O/X)	Comments
8 Oct 2013	12:40	3E201.D	IVM130920-01	--------	BFB2	5ML	1	N/A	1	w	CDS1	N/A	O	
8 Oct 2013	13:16	3E202.D	W3VM131008-01	VSTD050	ICAL	5ML	1	N/A	2	w	CDS1	N/A	O	UVM130930-07B+UVM130917-07+UVM130925-07A
8 Oct 2013	13:45	3E203.D	W3VM131008-02	VSTD080	ICAL	5ML	1	N/A	3	w	CDS1	N/A	O	UVM130930-08B+UVM130917-08+UVM130925-08A
8 Oct 2013	14:14	3E204.D	W3VM131008-03	VSTD100	ICAL	5ML	1	N/A	4	w	CDS1	N/A	O	UVM130930-08B+UVM130917-08+UVM130925-08A
8 Oct 2013	14:43	3E205.D	120280------	--------	BLANK	5mL	1	N/A	5	w	CDS1	N/A	X	clean-up blank
8 Oct 2013	15:12	3E206.D	W3VM131008-04	VSTD0005	ICAL	5ML	1	N/A	6	w	CDS1	N/A	O	UVM130930-01B+UVM130917-01
8 Oct 2013	15:41	3E207.D	W3VM131008-05	VSTD001	ICAL	5ML	1	N/A	7	w	CDS1	N/A	O	UVM130930-02B+UVM130917-02
8 Oct 2013	16:10	3E208.D	W3VM131008-06	VSTD002	ICAL	5ML	1	N/A	8	w	CDS1	N/A	O	UVM130930-03B+UVM130917-03+UVM130925-03A
8 Oct 2013	16:39	3E209.D	W3VM131008-07	VSTD005	ICAL	5ML	1	N/A	9	w	CDS1	N/A	O	UVM130930-04B+UVM130917-04+UVM130925-04A
8 Oct 2013	17:07	3E210.D	W3VM131008-08	VSTD010	ICAL	5ML	1	N/A	10	w	CDS1	N/A	O	UVM130930-05B+UVM130917-05+UVM130925-05A
8 Oct 2013	17:36	3E211.D	W3VM131008-09	VSTD020	ICAL	5ML	1	N/A	11	w	CDS1	N/A	O	UVM130930-06B+UVM130917-06+UVM130925-06A
8 Oct 2013	18:05	3E212.D	W3VM131008-10	ICV	ICV	5ML	1	N/A	12	w	CDS1	N/A	O	UVM130815-01I+UVM130815-02Z+IVM131007-01+UVM130925-09B
8 Oct 2013	18:34	3E213.D	W3VM131008-11	VSTD005S	ICAL	5ML	1	N/A	13	w	CDS1	N/A	O	UVM130926-01+UVM130926-09+UVM130920-01C
8 Oct 2013	19:03	3E214.D	W3VM131008-12	VSTD010S	ICAL	5ML	1	N/A	14	w	CDS1	N/A	O	UVM130926-02+UVM130926-10+UVM130920-02C
8 Oct 2013	19:32	3E215.D	W3VM131008-13	VSTD025S	ICAL	5ML	1	N/A	15	w	CDS1	N/A	O	UVM130926-03+UVM130926-11+UVM130920-03C
8 Oct 2013	20:00	3E216.D	W3VM131008-14	VSTD050S	ICAL	5ML	1	N/A	16	w	CDS1	N/A	O	UVM130926-04+UVM130926-12+UVM130920-04C
8 Oct 2013	20:29	3E217.D	W3VM131008-15	VSTD100S	ICAL	5ML	1	N/A	17	w	CDS1	N/A	O	UVM130926-05+UVM130926-13+UVM130920-05C
8 Oct 2013	20:58	3E218.D	W3VM131008-16	VSTD250S	ICAL	5ML	1	N/A	18	w	CDS1	N/A	O	UVM130926-06+UVM130926-14+UVM130920-06C
8 Oct 2013	21:26	3E219.D	W3VM131008-17	VSTD500S	ICAL	5ML	1	N/A	19	w	CDS1	N/A	O	UVM130926-07+UVM130926-15+UVM130920-07C
8 Oct 2013	21:55	3E220.D	120280------	--------	BLANK	5mL	1	N/A	20	w	CDS1	N/A	X	clean-up blank
8 Oct 2013	22:23	3E221.D	W3VM131008-18	ICV	ICV	5ML	1	N/A	21	w	CDS1	N/A	O	UVM130926-08A+UVM130920-08B+UVM130926-16A

General Engineering Laboratories, LLC
Revision:11/22/04

ORGANIC RUN LOG - INSTRUMENT ID#VOA3

Date: 10/21/2013 Method 8260/624 Operator: CDS1

REVIEWED BY: _____
DATE: _____

HARDWARE CONFIGURATION & METHOD CONDITIONS SUMMARY No# 36

Daily Instrument Readings:
Multiplier Voltage: 2059

CALIBRATION & CC INFORMATION:

Initial Calibration Date: 10/8/2013

(See pg. _____ for ICAL Std. Sci. Ids)

Cl test lot # 3260

Sequence Number: 102113V3pm

Daily Standard	Solution ID#	Volume Added for Purge (ul) Blk/ Smpl	CCV	MS/ LCS	BFB
CCV	W3VM131021-06		5uL ea.		
IS	UVM131003-01	1	1	1	
SS	UVM131003-02	1	1	1	
LCS/MS	W3VM131021-07			5uL ea.	
BFB	IVM131021-01				1
Short CCV	W3VM131021-08		5uL ea.		
Short LCS	W3VM131021-08			5uL ea.	

Purge Amount	
5	Water Purge Vol:
n/a	Soil Purge Wt.
n/a	Mid level ext. MeOH Vol:
n/a	ul
n/a	Methanol Lot #
x	Heated Purge

Analysis Date	Time	Data File	Lab Sample ID	Client	Batch #	Wt.(g) or Vol(ml/ul)	Dil. Factor	pH	AS Slot #	Matrix w or s	Analyst	Cl test (Y/N)	Acceptable(O/X)	Comments
10/21/2013	19:09	3G126.D	IVM131021-01	-------	BFB2	5ML	1	N/A	26	w	CDS1	N/A	O	
10/21/2013	19:34	3G127.D	W3VM131021-06	-------	CCV	5ML	1	N/A	27	w	CDS1	N/A	O	UVM130916-07H+UVM130917-07F+UVM130925-09B
10/21/2013	20:03	3G128.D	W3VM131021-07	-------	LCS	5ML	1	N/A	28	w	CDS1	N/A	O	UVM130815-01J+UVM130815-02M+IVM131021-02
10/21/2013	20:32	3G129.D	W3VM131021-08	-------	CCV	5ML	1	N/A	29	w	CDS1	N/A	O	UVM130926-08A+UVM130926-16A
10/21/2013	21:01	3G130.D	120296------	-------	BLANK	5ML	1	N/A	30	w	CDS1	N/A	O	
10/21/2013	21:30	3G131.D	335948004	SSFL	1340523	5ML	1	PH2	31	w	CDS1	N	O	
10/21/2013	21:59	3G132.D	335201001	EBER	1340505	5ML	1	PH2	32	w	CDS1	N	O	
10/21/2013	22:27	3G133.D	335201002	EBER	1340505	5ML	1	PH2	33	w	CDS1	N	O	
10/21/2013	22:56	3G134.D	335201003	EBER	1340505	5ML	1	PH7	34	w	CDS1	N	O	
10/21/2013	23:25	3G135.D	335201004	EBER	1340505	5ML	1	PH2	35	w	CDS1	N	O	
10/21/2013	23:54	3G136.D	335204001	EBER	1340505	5ML	1	PH2	36	w	CDS1	N	O	
10/22/2013	0:23	3G137.D	335204002	EBER	1340505	5ML	1	PH2	37	w	CDS1	N	O	
10/22/2013	0:52	3G138.D	335204003	EBER	1340505	5ML	1	PH2	38	w	CDS1	N	O	
10/22/2013	1:20	3G139.D	335204004	EBER	1340505	5ML	1	PH2	39	w	CDS1	N	O	
10/22/2013	1:49	3G140.D	335204005	EBER	1340505	5ML	1	PH7	40	w	CDS1	N	O	
10/22/2013	2:18	3G141.D	335300001	EBER	1340505	5ML	1	PH2	41	w	CDS1	N	O	
10/22/2013	2:47	3G142.D	335300002	EBER	1340505	5ML	1	PH2	42	w	CDS1	N	O	
10/22/2013	3:16	3G143.D	335619015	EBER	1340505	5ML	1	PH2	43	w	CDS1	N	O	
10/22/2013	3:45	3G144.D	1202971009	EBER	1340505	5ML	1	PH2	44	w	CDS1	N	O	MS 335201002
10/22/2013	4:14	3G145.D	1202971010	EBER	1340505	5ML	1	PH2	45	w	CDS1	N	O	MSD 335201002

DATA EXCEPTION REPORT

Mo.Day Yr.	Division:	Quality Criteria:	Type:
25-OCT-13	Federal	SOP	Process
Instrument Type:	**Test / Method:**	**Matrix Type:**	**Client Code:**
VOA GC/MS	8260B	Liquid	EBER001
Batch ID:	**Sample Numbers:**		
1340505	See Below		

Potentially affected work order(s)(SDG): 335201,335204,335300,335619

Application Issues:

Failed Recovery for MS/PS

Failed Recovery for MSD/PSD

Specification and Requirements Exception Description:	DER Disposition:
1. The recovery for Vinyl Chloride was outside of the acceptance limits in the MS and in the MSD performed on sample 3358201004. The calculated relative percent difference between the MS and MSD for this compound was within the acceptance limits. in MS: Vinyl Chloride 142.9% limits: 52-129% in MSD: Vinyl Chloride 129.4% limits: 52-129%	1. Narrate and report data.

Originator's Name:

Crystal Stacey 25-OCT-13

Data Validator/Group Leader:

Erin Haubert 29-OCT-13