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Quality Control Summary
SDG: L712424

For: URS Corporation -Tucson AZ - 1088308
Holloman AFB

L712424

Lab SampleID.	Client ID
L712424-01	H-TU904-FIELDBLANK-BT01
L712424-02	H-TU904-MW01-NT01
L712424-03	H-TU904-MW02-NT01
L712424-04	H-TU904-MW02-DT01
L712424-05	H-TU904-MW03-NT01
L712424-06	H-TU904-MW04-NT01
L712424-07	H-TU904-MW07-NT01
L712424-08	H-TU904-TRIPBLANK-TT02

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Quality Control Summary
SDG: L712424

For: URS Corporation -Tucson AZ - 1088308
Project: Holloman AFB
December 08, 2015

Sample Receiving and Handling

All sample aliquots were received at the correct temperature, in the proper containers, and with the appropriate preservatives. All method specified holding times were met.

Volatile TPH by Method 8015D/GRO

Laboratory Control Sample

Samples L712424-01, -02, -03, -04, -05, -06, -07, and -08 were analyzed in analytical batch WG734192. The laboratory control sample associated with these samples was within the laboratory control limits for all target analytes reported from this batch. The relative percent difference was within laboratory limits for all target analytes reported from this batch.

Matrix Spike/Matrix Spike Duplicate

For analytical batch WG734192 matrix spike/matrix spike duplicate analysis was performed on sample L712424-05. The matrix spike recoveries and relative percent differences were within laboratory control limits for all target analytes reported from this batch.

For analytical batch WG734192 matrix spike/matrix spike duplicate analysis was performed on sample L711879-08. The matrix spike recoveries and relative percent differences were within laboratory control limits for all target analytes reported from this batch.

Blank Analysis

The method blank, the initial, and all continuing calibration blanks contained no analytes at concentrations above the method reporting limit.

Calibration Summary

Instrument VOCGC1 was calibrated on 6/19/2014. The initial calibration and continuing calibration verification standards were within method limits.

Surrogate Summary

The surrogate recoveries were within method limits for all samples.

Internal Standards

The internal standard responses and retention times were within method limits for all samples and quality control samples.

Volatile Organic Compounds by Method 8260B

Laboratory Control Sample

Samples L712424-01, -02, -03, -04, -05, -06, -07, and -08 were analyzed in analytical batch WG734030. The laboratory control sample associated with these samples was within the laboratory control limits for all target analytes reported from this batch. The relative percent difference was within laboratory limits for all target analytes reported from this batch.

Matrix Spike/Matrix Spike Duplicate

For analytical batch WG734030 matrix spike/matrix spike duplicate analysis was performed on sample L712424-05. The matrix spike recoveries were below laboratory control limits for 2-Chloroethyl vinyl ether. The spike recoveries were within limits for the remaining target compounds reported from this batch. The relative percent difference exceeded laboratory limits for 2-Chloroethyl vinyl ether.

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Quality Control Summary

SDG: L712424

For: URS Corporation -Tucson AZ - 1088308
Project: Holloman AFB
December 08, 2015

Blank Analysis
The method blank, the initial, and all continuing calibration blanks contained no analytes at concentrations above the method reporting limit.

Calibration Summary
Instrument VOCMS23 was calibrated on 7/11/2014. The initial calibration and continuing calibration verification standards were within method limits.

Surrogate Summary
The surrogate recoveries were within method limits for all samples.

Internal Standards
The internal standard responses and retention times were within method limits for all samples and quality control samples.

Digitally signed by Nancy McLain
DN: cn=Nancy McLain, o, ou=ESC Lab Sciences, email=nmclain@esclabsciences.com, c=US
Date: 2015.12.08 14:05:08 -06'00'

Nancy F. McLain
ESC Representative
ESC Lab Sciences

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Tax I.D. 62-0814289

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Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

Report Summary

Friday January 09, 2015

Report Number: L712424
Samples Received: 07/26/14
Client Project: 23446543.0053AA

Description: Holloman AFB

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Pamela A. Langford

Pam Langford , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-01

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-FIELDBLANK-BT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/25/14 09:00

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
TPH (GC/FID) Low Fraction	8006-61-9	U	31	50.	100	ug/l		8015D/G	07/30/14	1
Surrogate Recovery-%										
a,a,a-Trifluorotoluene(FID)	98-08-8	96.4				% Rec.		8015D/G	07/30/14	1
Volatile Organics										
Acetone	67-64-1	U	10	25.	50	ug/l		8260B	07/29/14	1
Benzene	71-43-2	U	0.33	0.50	1	ug/l		8260B	07/29/14	1
Bromobenzene	108-86-1	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
Bromochloromethane	74-97-5	U	0.52	0.75	1	ug/l		8260B	07/29/14	1
Bromodichloromethane	75-27-4	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Bromoform	75-25-2	U	0.47	0.50	1	ug/l		8260B	07/29/14	1
Bromomethane	74-83-9	U	0.87	2.5	5	ug/l		8260B	07/29/14	1
n-Butylbenzene	104-51-8	U	0.36	0.50	1	ug/l		8260B	07/29/14	1
sec-Butylbenzene	135-98-8	U	0.36	0.50	1	ug/l		8260B	07/29/14	1
tert-Butylbenzene	98-06-6	U	0.4	0.50	1	ug/l		8260B	07/29/14	1
Carbon Disulfide	75-15-0	U	0.28	0.50	1	ug/l		8260B	07/29/14	1
Carbon tetrachloride	56-23-5	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Chlorobenzene	108-90-7	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
Chlorodibromomethane	124-48-1	U	0.33	0.50	1	ug/l		8260B	07/29/14	1
Chloroethane	75-00-3	U	0.45	2.5	5	ug/l		8260B	07/29/14	1
Chloroform	67-66-3	0.41	0.32	2.5	5	ug/l	J	8260B	07/29/14	1
Chloromethane	74-87-3	U	0.28	0.50	2.5	ug/l		8260B	07/29/14	1
2-Chlorotoluene	95-49-8	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
4-Chlorotoluene	106-43-4	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.3	2.5	5	ug/l		8260B	07/29/14	1
1,2-Dibromoethane	106-93-4	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Dibromomethane	74-95-3	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dichlorobenzene	95-50-1	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.50	1	ug/l		8260B	07/29/14	1
1,4-Dichlorobenzene	106-46-7	U	0.27	0.50	1	ug/l		8260B	07/29/14	1
Dichlorodifluoromethane	75-71-8	U	0.55	2.5	5	ug/l		8260B	07/29/14	1
1,1-Dichloroethane	75-34-3	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dichloroethane	107-06-2	U	0.36	0.50	1	ug/l		8260B	07/29/14	1
1,1-Dichloroethene	75-35-4	U	0.4	0.50	1	ug/l		8260B	07/29/14	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
trans-1,2-Dichloroethene	156-60-5	U	0.4	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dichloropropane	78-87-5	U	0.31	0.50	1	ug/l		8260B	07/29/14	1
1,1-Dichloropropene	563-58-6	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,3-Dichloropropane	142-28-9	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
cis-1,3-Dichloropropene	10061-01-5	U	0.42	0.50	1	ug/l		8260B	07/29/14	1
trans-1,3-Dichloropropene	10061-02-6	U	0.42	0.50	1	ug/l		8260B	07/29/14	1
2,2-Dichloropropane	594-20-7	U	0.32	0.50	1	ug/l		8260B	07/29/14	1
Ethylbenzene	100-41-4	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
2-Hexanone	591-78-6	U	3.8	5.0	10	ug/l		8260B	07/29/14	1
Hexachloro-1,3-butadiene	87-68-3	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
Isopropylbenzene	98-82-8	U	0.33	0.50	1	ug/l		8260B	07/29/14	1

U = Not Detected at the LOD
Note:
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-01

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-FIELDBLANK-BT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/25/14 09:00

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
p-Isopropyltoluene	99-87-6	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
2-Butanone (MEK)	78-93-3	U	3.9	5.0	10	ug/l		8260B	07/29/14	1
Methylene Chloride	75-09-2	U	1	2.5	5	ug/l		8260B	07/29/14	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.1	5.0	10	ug/l		8260B	07/29/14	1
Methyl tert-butyl ether	1634-04-4	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
Naphthalene	91-20-3	U	1	2.5	5	ug/l		8260B	07/29/14	1
n-Propylbenzene	103-65-1	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
Styrene	100-42-5	U	0.31	0.50	1	ug/l		8260B	07/29/14	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.75	1	ug/l		8260B	07/29/14	1
Tetrachloroethene	127-18-4	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
Toluene	108-88-3	U	0.78	2.5	5	ug/l		8260B	07/29/14	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.50	1	ug/l		8260B	07/29/14	1
1,2,4-Trichlorobenzene	120-82-1	U	0.21	0.50	1	ug/l		8260B	07/29/14	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.50	1	ug/l		8260B	07/29/14	1
1,1,2-Trichloroethane	79-00-5	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Trichloroethene	79-01-6	U	0.4	0.50	1	ug/l		8260B	07/29/14	1
Trichlorofluoromethane	75-69-4	U	1.2	2.5	5	ug/l		8260B	07/29/14	1
1,2,3-Trichloropropane	96-18-4	U	0.81	1.0	2.5	ug/l		8260B	07/29/14	1
1,2,4-Trimethylbenzene	95-63-6	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
1,3,5-Trimethylbenzene	108-67-8	U	0.39	0.50	1	ug/l		8260B	07/29/14	1
o-Xylene	95-47-6	U	0.34	0.50	1	ug/l		8260B	07/29/14	1
m&p-Xylene	1330-20-7	U	0.72	1.0	2	ug/l		8260B	07/29/14	1
Vinyl chloride	75-01-4	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
Surrogate Recovery										
Toluene-d8	2037-26-5	104.				% Rec.		8260B	07/29/14	1
Dibromofluoromethane	1868-53-7	100.				% Rec.		8260B	07/29/14	1
4-Bromofluorobenzene	460-00-4	102.				% Rec.		8260B	07/29/14	1

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-02

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW01-NT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 13:05

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
TPH (GC/FID) Low Fraction	8006-61-9	U	31	50.	100	ug/l		8015D/G	07/30/14	1
Surrogate Recovery-%										
a,a,a-Trifluorotoluene(FID)	98-08-8	96.1				% Rec.		8015D/G	07/30/14	1
Volatile Organics										
Acetone	67-64-1	U	10	25.	50	ug/l		8260B	07/30/14	1
Benzene	71-43-2	U	0.33	0.50	1	ug/l		8260B	07/30/14	1
Bromobenzene	108-86-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Bromochloromethane	74-97-5	U	0.52	0.75	1	ug/l		8260B	07/30/14	1
Bromodichloromethane	75-27-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Bromoform	75-25-2	U	0.47	0.50	1	ug/l		8260B	07/30/14	1
Bromomethane	74-83-9	U	0.87	2.5	5	ug/l		8260B	07/30/14	1
n-Butylbenzene	104-51-8	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
sec-Butylbenzene	135-98-8	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
tert-Butylbenzene	98-06-6	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
Carbon Disulfide	75-15-0	U	0.28	0.50	1	ug/l		8260B	07/30/14	1
Carbon tetrachloride	56-23-5	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Chlorobenzene	108-90-7	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Chlorodibromomethane	124-48-1	U	0.33	0.50	1	ug/l		8260B	07/30/14	1
Chloroethane	75-00-3	U	0.45	2.5	5	ug/l		8260B	07/30/14	1
Chloroform	67-66-3	U	0.32	2.5	5	ug/l		8260B	07/30/14	1
Chloromethane	74-87-3	U	0.28	0.50	2.5	ug/l		8260B	07/30/14	1
2-Chlorotoluene	95-49-8	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
4-Chlorotoluene	106-43-4	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.3	2.5	5	ug/l		8260B	07/30/14	1
1,2-Dibromoethane	106-93-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Dibromomethane	74-95-3	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichlorobenzene	95-50-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.50	1	ug/l		8260B	07/30/14	1
1,4-Dichlorobenzene	106-46-7	U	0.27	0.50	1	ug/l		8260B	07/30/14	1
Dichlorodifluoromethane	75-71-8	U	0.55	2.5	5	ug/l		8260B	07/30/14	1
1,1-Dichloroethane	75-34-3	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichloroethane	107-06-2	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
1,1-Dichloroethene	75-35-4	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
trans-1,2-Dichloroethene	156-60-5	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichloropropane	78-87-5	U	0.31	0.50	1	ug/l		8260B	07/30/14	1
1,1-Dichloropropene	563-58-6	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,3-Dichloropropane	142-28-9	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
cis-1,3-Dichloropropene	10061-01-5	U	0.42	0.50	1	ug/l		8260B	07/30/14	1
trans-1,3-Dichloropropene	10061-02-6	U	0.42	0.50	1	ug/l		8260B	07/30/14	1
2,2-Dichloropropane	594-20-7	U	0.32	0.50	1	ug/l		8260B	07/30/14	1
Ethylbenzene	100-41-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
2-Hexanone	591-78-6	U	3.8	5.0	10	ug/l		8260B	07/30/14	1
Hexachloro-1,3-butadiene	87-68-3	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
Isopropylbenzene	98-82-8	U	0.33	0.50	1	ug/l		8260B	07/30/14	1

U = Not Detected at the LOD
Note:
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-02

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW01-NT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 13:05

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
p-Isopropyltoluene	99-87-6	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
2-Butanone (MEK)	78-93-3	U	3.9	5.0	10	ug/l		8260B	07/30/14	1
Methylene Chloride	75-09-2	U	1	2.5	5	ug/l		8260B	07/30/14	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.1	5.0	10	ug/l		8260B	07/30/14	1
Methyl tert-butyl ether	1634-04-4	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
Naphthalene	91-20-3	U	1	2.5	5	ug/l		8260B	07/30/14	1
n-Propylbenzene	103-65-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Styrene	100-42-5	U	0.31	0.50	1	ug/l		8260B	07/30/14	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.75	1	ug/l		8260B	07/30/14	1
Tetrachloroethene	127-18-4	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
Toluene	108-88-3	U	0.78	2.5	5	ug/l		8260B	07/30/14	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.50	1	ug/l		8260B	07/30/14	1
1,2,4-Trichlorobenzene	120-82-1	U	0.21	0.50	1	ug/l		8260B	07/30/14	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.50	1	ug/l		8260B	07/30/14	1
1,1,2-Trichloroethane	79-00-5	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Trichloroethene	79-01-6	5.0	0.4	0.50	1	ug/l		8260B	07/30/14	1
Trichlorofluoromethane	75-69-4	U	1.2	2.5	5	ug/l		8260B	07/30/14	1
1,2,3-Trichloropropane	96-18-4	U	0.81	1.0	2.5	ug/l		8260B	07/30/14	1
1,2,4-Trimethylbenzene	95-63-6	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
1,3,5-Trimethylbenzene	108-67-8	U	0.39	0.50	1	ug/l		8260B	07/30/14	1
o-Xylene	95-47-6	U	0.34	0.50	1	ug/l		8260B	07/30/14	1
m&p-Xylene	1330-20-7	U	0.72	1.0	2	ug/l		8260B	07/30/14	1
Vinyl chloride	75-01-4	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
Surrogate Recovery										
Toluene-d8	2037-26-5	103.				% Rec.		8260B	07/30/14	1
Dibromofluoromethane	1868-53-7	101.				% Rec.		8260B	07/30/14	1
4-Bromofluorobenzene	460-00-4	102.				% Rec.		8260B	07/30/14	1

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-03

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW02-NT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 10:30

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
TPH (GC/FID) Low Fraction	8006-61-9	U	31	50.	100	ug/l		8015D/G	07/30/14	1
Surrogate Recovery-%										
a,a,a-Trifluorotoluene(FID)	98-08-8	95.9				% Rec.		8015D/G	07/30/14	1
Volatile Organics										
Acetone	67-64-1	U	10	25.	50	ug/l		8260B	07/30/14	1
Benzene	71-43-2	U	0.33	0.50	1	ug/l		8260B	07/30/14	1
Bromobenzene	108-86-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Bromochloromethane	74-97-5	U	0.52	0.75	1	ug/l		8260B	07/30/14	1
Bromodichloromethane	75-27-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Bromoform	75-25-2	U	0.47	0.50	1	ug/l		8260B	07/30/14	1
Bromomethane	74-83-9	U	0.87	2.5	5	ug/l		8260B	07/30/14	1
n-Butylbenzene	104-51-8	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
sec-Butylbenzene	135-98-8	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
tert-Butylbenzene	98-06-6	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
Carbon Disulfide	75-15-0	U	0.28	0.50	1	ug/l		8260B	07/30/14	1
Carbon tetrachloride	56-23-5	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Chlorobenzene	108-90-7	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Chlorodibromomethane	124-48-1	U	0.33	0.50	1	ug/l		8260B	07/30/14	1
Chloroethane	75-00-3	U	0.45	2.5	5	ug/l		8260B	07/30/14	1
Chloroform	67-66-3	U	0.32	2.5	5	ug/l		8260B	07/30/14	1
Chloromethane	74-87-3	U	0.28	0.50	2.5	ug/l		8260B	07/30/14	1
2-Chlorotoluene	95-49-8	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
4-Chlorotoluene	106-43-4	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.3	2.5	5	ug/l		8260B	07/30/14	1
1,2-Dibromoethane	106-93-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Dibromomethane	74-95-3	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichlorobenzene	95-50-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.50	1	ug/l		8260B	07/30/14	1
1,4-Dichlorobenzene	106-46-7	U	0.27	0.50	1	ug/l		8260B	07/30/14	1
Dichlorodifluoromethane	75-71-8	U	0.55	2.5	5	ug/l		8260B	07/30/14	1
1,1-Dichloroethane	75-34-3	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichloroethane	107-06-2	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
1,1-Dichloroethene	75-35-4	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
trans-1,2-Dichloroethene	156-60-5	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichloropropane	78-87-5	U	0.31	0.50	1	ug/l		8260B	07/30/14	1
1,1-Dichloropropene	563-58-6	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,3-Dichloropropane	142-28-9	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
cis-1,3-Dichloropropene	10061-01-5	U	0.42	0.50	1	ug/l		8260B	07/30/14	1
trans-1,3-Dichloropropene	10061-02-6	U	0.42	0.50	1	ug/l		8260B	07/30/14	1
2,2-Dichloropropane	594-20-7	U	0.32	0.50	1	ug/l		8260B	07/30/14	1
Ethylbenzene	100-41-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
2-Hexanone	591-78-6	U	3.8	5.0	10	ug/l		8260B	07/30/14	1
Hexachloro-1,3-butadiene	87-68-3	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
Isopropylbenzene	98-82-8	U	0.33	0.50	1	ug/l		8260B	07/30/14	1

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-03

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW02-NT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 10:30

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
p-Isopropyltoluene	99-87-6	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
2-Butanone (MEK)	78-93-3	U	3.9	5.0	10	ug/l		8260B	07/30/14	1
Methylene Chloride	75-09-2	U	1	2.5	5	ug/l		8260B	07/30/14	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.1	5.0	10	ug/l		8260B	07/30/14	1
Methyl tert-butyl ether	1634-04-4	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
Naphthalene	91-20-3	U	1	2.5	5	ug/l		8260B	07/30/14	1
n-Propylbenzene	103-65-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Styrene	100-42-5	U	0.31	0.50	1	ug/l		8260B	07/30/14	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.75	1	ug/l		8260B	07/30/14	1
Tetrachloroethene	127-18-4	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
Toluene	108-88-3	U	0.78	2.5	5	ug/l		8260B	07/30/14	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.50	1	ug/l		8260B	07/30/14	1
1,2,4-Trichlorobenzene	120-82-1	U	0.21	0.50	1	ug/l		8260B	07/30/14	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.50	1	ug/l		8260B	07/30/14	1
1,1,2-Trichloroethane	79-00-5	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Trichloroethene	79-01-6	4.2	0.4	0.50	1	ug/l		8260B	07/30/14	1
Trichlorofluoromethane	75-69-4	U	1.2	2.5	5	ug/l		8260B	07/30/14	1
1,2,3-Trichloropropane	96-18-4	U	0.81	1.0	2.5	ug/l		8260B	07/30/14	1
1,2,4-Trimethylbenzene	95-63-6	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
1,3,5-Trimethylbenzene	108-67-8	U	0.39	0.50	1	ug/l		8260B	07/30/14	1
o-Xylene	95-47-6	U	0.34	0.50	1	ug/l		8260B	07/30/14	1
m&p-Xylene	1330-20-7	U	0.72	1.0	2	ug/l		8260B	07/30/14	1
Vinyl chloride	75-01-4	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
Surrogate Recovery										
Toluene-d8	2037-26-5	103.				% Rec.		8260B	07/30/14	1
Dibromofluoromethane	1868-53-7	102.				% Rec.		8260B	07/30/14	1
4-Bromofluorobenzene	460-00-4	101.				% Rec.		8260B	07/30/14	1

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-04

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW02-DT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 10:30

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
TPH (GC/FID) Low Fraction	8006-61-9	U	31	50.	100	ug/l		8015D/G	07/30/14	1
Surrogate Recovery-%										
a,a,a-Trifluorotoluene(FID)	98-08-8	96.0				% Rec.		8015D/G	07/30/14	1
Volatile Organics										
Acetone	67-64-1	U	10	25.	50	ug/l		8260B	07/30/14	1
Benzene	71-43-2	U	0.33	0.50	1	ug/l		8260B	07/30/14	1
Bromobenzene	108-86-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Bromochloromethane	74-97-5	U	0.52	0.75	1	ug/l		8260B	07/30/14	1
Bromodichloromethane	75-27-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Bromoform	75-25-2	U	0.47	0.50	1	ug/l		8260B	07/30/14	1
Bromomethane	74-83-9	U	0.87	2.5	5	ug/l		8260B	07/30/14	1
n-Butylbenzene	104-51-8	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
sec-Butylbenzene	135-98-8	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
tert-Butylbenzene	98-06-6	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
Carbon Disulfide	75-15-0	U	0.28	0.50	1	ug/l		8260B	07/30/14	1
Carbon tetrachloride	56-23-5	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Chlorobenzene	108-90-7	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Chlorodibromomethane	124-48-1	U	0.33	0.50	1	ug/l		8260B	07/30/14	1
Chloroethane	75-00-3	U	0.45	2.5	5	ug/l		8260B	07/30/14	1
Chloroform	67-66-3	U	0.32	2.5	5	ug/l		8260B	07/30/14	1
Chloromethane	74-87-3	U	0.28	0.50	2.5	ug/l		8260B	07/30/14	1
2-Chlorotoluene	95-49-8	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
4-Chlorotoluene	106-43-4	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.3	2.5	5	ug/l		8260B	07/30/14	1
1,2-Dibromoethane	106-93-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Dibromomethane	74-95-3	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichlorobenzene	95-50-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.50	1	ug/l		8260B	07/30/14	1
1,4-Dichlorobenzene	106-46-7	U	0.27	0.50	1	ug/l		8260B	07/30/14	1
Dichlorodifluoromethane	75-71-8	U	0.55	2.5	5	ug/l		8260B	07/30/14	1
1,1-Dichloroethane	75-34-3	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichloroethane	107-06-2	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
1,1-Dichloroethene	75-35-4	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
trans-1,2-Dichloroethene	156-60-5	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichloropropane	78-87-5	U	0.31	0.50	1	ug/l		8260B	07/30/14	1
1,1-Dichloropropene	563-58-6	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,3-Dichloropropane	142-28-9	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
cis-1,3-Dichloropropene	10061-01-5	U	0.42	0.50	1	ug/l		8260B	07/30/14	1
trans-1,3-Dichloropropene	10061-02-6	U	0.42	0.50	1	ug/l		8260B	07/30/14	1
2,2-Dichloropropane	594-20-7	U	0.32	0.50	1	ug/l		8260B	07/30/14	1
Ethylbenzene	100-41-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
2-Hexanone	591-78-6	U	3.8	5.0	10	ug/l		8260B	07/30/14	1
Hexachloro-1,3-butadiene	87-68-3	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
Isopropylbenzene	98-82-8	U	0.33	0.50	1	ug/l		8260B	07/30/14	1

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-04

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW02-DT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 10:30

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
p-Isopropyltoluene	99-87-6	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
2-Butanone (MEK)	78-93-3	U	3.9	5.0	10	ug/l		8260B	07/30/14	1
Methylene Chloride	75-09-2	U	1	2.5	5	ug/l		8260B	07/30/14	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.1	5.0	10	ug/l		8260B	07/30/14	1
Methyl tert-butyl ether	1634-04-4	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
Naphthalene	91-20-3	U	1	2.5	5	ug/l		8260B	07/30/14	1
n-Propylbenzene	103-65-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Styrene	100-42-5	U	0.31	0.50	1	ug/l		8260B	07/30/14	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.75	1	ug/l		8260B	07/30/14	1
Tetrachloroethene	127-18-4	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
Toluene	108-88-3	U	0.78	2.5	5	ug/l		8260B	07/30/14	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.50	1	ug/l		8260B	07/30/14	1
1,2,4-Trichlorobenzene	120-82-1	U	0.21	0.50	1	ug/l		8260B	07/30/14	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.50	1	ug/l		8260B	07/30/14	1
1,1,2-Trichloroethane	79-00-5	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Trichloroethene	79-01-6	4.5	0.4	0.50	1	ug/l		8260B	07/30/14	1
Trichlorofluoromethane	75-69-4	U	1.2	2.5	5	ug/l		8260B	07/30/14	1
1,2,3-Trichloropropane	96-18-4	U	0.81	1.0	2.5	ug/l		8260B	07/30/14	1
1,2,4-Trimethylbenzene	95-63-6	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
1,3,5-Trimethylbenzene	108-67-8	U	0.39	0.50	1	ug/l		8260B	07/30/14	1
o-Xylene	95-47-6	U	0.34	0.50	1	ug/l		8260B	07/30/14	1
m&p-Xylene	1330-20-7	U	0.72	1.0	2	ug/l		8260B	07/30/14	1
Vinyl chloride	75-01-4	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
Surrogate Recovery										
Toluene-d8	2037-26-5	102.				% Rec.		8260B	07/30/14	1
Dibromofluoromethane	1868-53-7	103.				% Rec.		8260B	07/30/14	1
4-Bromofluorobenzene	460-00-4	102.				% Rec.		8260B	07/30/14	1

U = Not Detected at the LOD
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-05

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW03-NT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 10:45

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
TPH (GC/FID) Low Fraction	8006-61-9	U	31	50.	100	ug/l		8015D/G	07/30/14	1
Surrogate Recovery-%										
a,a,a-Trifluorotoluene(FID)	98-08-8	96.2				% Rec.		8015D/G	07/30/14	1
Volatile Organics										
Acetone	67-64-1	U	10	25.	50	ug/l		8260B	07/29/14	1
Benzene	71-43-2	U	0.33	0.50	1	ug/l		8260B	07/29/14	1
Bromobenzene	108-86-1	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
Bromochloromethane	74-97-5	U	0.52	0.75	1	ug/l		8260B	07/29/14	1
Bromodichloromethane	75-27-4	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Bromoform	75-25-2	U	0.47	0.50	1	ug/l		8260B	07/29/14	1
Bromomethane	74-83-9	U	0.87	2.5	5	ug/l		8260B	07/29/14	1
n-Butylbenzene	104-51-8	U	0.36	0.50	1	ug/l		8260B	07/29/14	1
sec-Butylbenzene	135-98-8	U	0.36	0.50	1	ug/l		8260B	07/29/14	1
tert-Butylbenzene	98-06-6	U	0.4	0.50	1	ug/l		8260B	07/29/14	1
Carbon Disulfide	75-15-0	U	0.28	0.50	1	ug/l		8260B	07/29/14	1
Carbon tetrachloride	56-23-5	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Chlorobenzene	108-90-7	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
Chlorodibromomethane	124-48-1	U	0.33	0.50	1	ug/l		8260B	07/29/14	1
Chloroethane	75-00-3	U	0.45	2.5	5	ug/l		8260B	07/29/14	1
Chloroform	67-66-3	0.50	0.32	2.5	5	ug/l	J	8260B	07/29/14	1
Chloromethane	74-87-3	U	0.28	0.50	2.5	ug/l		8260B	07/29/14	1
2-Chlorotoluene	95-49-8	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
4-Chlorotoluene	106-43-4	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.3	2.5	5	ug/l		8260B	07/29/14	1
1,2-Dibromoethane	106-93-4	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Dibromomethane	74-95-3	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dichlorobenzene	95-50-1	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.50	1	ug/l		8260B	07/29/14	1
1,4-Dichlorobenzene	106-46-7	U	0.27	0.50	1	ug/l		8260B	07/29/14	1
Dichlorodifluoromethane	75-71-8	U	0.55	2.5	5	ug/l		8260B	07/29/14	1
1,1-Dichloroethane	75-34-3	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dichloroethane	107-06-2	U	0.36	0.50	1	ug/l		8260B	07/29/14	1
1,1-Dichloroethene	75-35-4	U	0.4	0.50	1	ug/l		8260B	07/29/14	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
trans-1,2-Dichloroethene	156-60-5	U	0.4	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dichloropropane	78-87-5	U	0.31	0.50	1	ug/l		8260B	07/29/14	1
1,1-Dichloropropene	563-58-6	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,3-Dichloropropane	142-28-9	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
cis-1,3-Dichloropropene	10061-01-5	U	0.42	0.50	1	ug/l		8260B	07/29/14	1
trans-1,3-Dichloropropene	10061-02-6	U	0.42	0.50	1	ug/l		8260B	07/29/14	1
2,2-Dichloropropane	594-20-7	U	0.32	0.50	1	ug/l		8260B	07/29/14	1
Ethylbenzene	100-41-4	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
2-Hexanone	591-78-6	U	3.8	5.0	10	ug/l		8260B	07/29/14	1
Hexachloro-1,3-butadiene	87-68-3	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
Isopropylbenzene	98-82-8	U	0.33	0.50	1	ug/l		8260B	07/29/14	1

U = Not Detected at the LOD
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-05

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW03-NT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 10:45

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
p-Isopropyltoluene	99-87-6	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
2-Butanone (MEK)	78-93-3	U	3.9	5.0	10	ug/l		8260B	07/29/14	1
Methylene Chloride	75-09-2	U	1	2.5	5	ug/l		8260B	07/29/14	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.1	5.0	10	ug/l		8260B	07/29/14	1
Methyl tert-butyl ether	1634-04-4	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
Naphthalene	91-20-3	U	1	2.5	5	ug/l		8260B	07/29/14	1
n-Propylbenzene	103-65-1	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
Styrene	100-42-5	U	0.31	0.50	1	ug/l		8260B	07/29/14	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.75	1	ug/l		8260B	07/29/14	1
Tetrachloroethene	127-18-4	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
Toluene	108-88-3	U	0.78	2.5	5	ug/l		8260B	07/29/14	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.50	1	ug/l		8260B	07/29/14	1
1,2,4-Trichlorobenzene	120-82-1	U	0.21	0.50	1	ug/l		8260B	07/29/14	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.50	1	ug/l		8260B	07/29/14	1
1,1,2-Trichloroethane	79-00-5	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Trichloroethene	79-01-6	8.7	0.4	0.50	1	ug/l		8260B	07/29/14	1
Trichlorofluoromethane	75-69-4	U	1.2	2.5	5	ug/l		8260B	07/29/14	1
1,2,3-Trichloropropane	96-18-4	U	0.81	1.0	2.5	ug/l		8260B	07/29/14	1
1,2,4-Trimethylbenzene	95-63-6	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
1,3,5-Trimethylbenzene	108-67-8	U	0.39	0.50	1	ug/l		8260B	07/29/14	1
o-Xylene	95-47-6	U	0.34	0.50	1	ug/l		8260B	07/29/14	1
m&p-Xylene	1330-20-7	U	0.72	1.0	2	ug/l		8260B	07/29/14	1
Vinyl chloride	75-01-4	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
Surrogate Recovery										
Toluene-d8	2037-26-5	101.				% Rec.		8260B	07/29/14	1
Dibromofluoromethane	1868-53-7	103.				% Rec.		8260B	07/29/14	1
4-Bromofluorobenzene	460-00-4	103.				% Rec.		8260B	07/29/14	1

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-06

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW04-NT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 13:04

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
TPH (GC/FID) Low Fraction	8006-61-9	U	31	50.	100	ug/l		8015D/G	07/30/14	1
Surrogate Recovery-%										
a,a,a-Trifluorotoluene(FID)	98-08-8	95.9				% Rec.		8015D/G	07/30/14	1
Volatile Organics										
Acetone	67-64-1	U	10	25.	50	ug/l		8260B	07/30/14	1
Benzene	71-43-2	U	0.33	0.50	1	ug/l		8260B	07/30/14	1
Bromobenzene	108-86-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Bromochloromethane	74-97-5	U	0.52	0.75	1	ug/l		8260B	07/30/14	1
Bromodichloromethane	75-27-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Bromoform	75-25-2	U	0.47	0.50	1	ug/l		8260B	07/30/14	1
Bromomethane	74-83-9	U	0.87	2.5	5	ug/l		8260B	07/30/14	1
n-Butylbenzene	104-51-8	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
sec-Butylbenzene	135-98-8	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
tert-Butylbenzene	98-06-6	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
Carbon Disulfide	75-15-0	U	0.28	0.50	1	ug/l		8260B	07/30/14	1
Carbon tetrachloride	56-23-5	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Chlorobenzene	108-90-7	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Chlorodibromomethane	124-48-1	U	0.33	0.50	1	ug/l		8260B	07/30/14	1
Chloroethane	75-00-3	U	0.45	2.5	5	ug/l		8260B	07/30/14	1
Chloroform	67-66-3	U	0.32	2.5	5	ug/l		8260B	07/30/14	1
Chloromethane	74-87-3	U	0.28	0.50	2.5	ug/l		8260B	07/30/14	1
2-Chlorotoluene	95-49-8	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
4-Chlorotoluene	106-43-4	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.3	2.5	5	ug/l		8260B	07/30/14	1
1,2-Dibromoethane	106-93-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Dibromomethane	74-95-3	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichlorobenzene	95-50-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.50	1	ug/l		8260B	07/30/14	1
1,4-Dichlorobenzene	106-46-7	U	0.27	0.50	1	ug/l		8260B	07/30/14	1
Dichlorodifluoromethane	75-71-8	U	0.55	2.5	5	ug/l		8260B	07/30/14	1
1,1-Dichloroethane	75-34-3	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichloroethane	107-06-2	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
1,1-Dichloroethene	75-35-4	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
trans-1,2-Dichloroethene	156-60-5	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichloropropane	78-87-5	U	0.31	0.50	1	ug/l		8260B	07/30/14	1
1,1-Dichloropropene	563-58-6	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,3-Dichloropropane	142-28-9	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
cis-1,3-Dichloropropene	10061-01-5	U	0.42	0.50	1	ug/l		8260B	07/30/14	1
trans-1,3-Dichloropropene	10061-02-6	U	0.42	0.50	1	ug/l		8260B	07/30/14	1
2,2-Dichloropropane	594-20-7	U	0.32	0.50	1	ug/l		8260B	07/30/14	1
Ethylbenzene	100-41-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
2-Hexanone	591-78-6	U	3.8	5.0	10	ug/l		8260B	07/30/14	1
Hexachloro-1,3-butadiene	87-68-3	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
Isopropylbenzene	98-82-8	U	0.33	0.50	1	ug/l		8260B	07/30/14	1

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-06

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW04-NT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 13:04

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
p-Isopropyltoluene	99-87-6	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
2-Butanone (MEK)	78-93-3	U	3.9	5.0	10	ug/l		8260B	07/30/14	1
Methylene Chloride	75-09-2	U	1	2.5	5	ug/l		8260B	07/30/14	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.1	5.0	10	ug/l		8260B	07/30/14	1
Methyl tert-butyl ether	1634-04-4	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
Naphthalene	91-20-3	U	1	2.5	5	ug/l		8260B	07/30/14	1
n-Propylbenzene	103-65-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Styrene	100-42-5	U	0.31	0.50	1	ug/l		8260B	07/30/14	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.75	1	ug/l		8260B	07/30/14	1
Tetrachloroethene	127-18-4	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
Toluene	108-88-3	U	0.78	2.5	5	ug/l		8260B	07/30/14	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.50	1	ug/l		8260B	07/30/14	1
1,2,4-Trichlorobenzene	120-82-1	U	0.21	0.50	1	ug/l		8260B	07/30/14	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.50	1	ug/l		8260B	07/30/14	1
1,1,2-Trichloroethane	79-00-5	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Trichloroethene	79-01-6	2.0	0.4	0.50	1	ug/l		8260B	07/30/14	1
Trichlorofluoromethane	75-69-4	U	1.2	2.5	5	ug/l		8260B	07/30/14	1
1,2,3-Trichloropropane	96-18-4	U	0.81	1.0	2.5	ug/l		8260B	07/30/14	1
1,2,4-Trimethylbenzene	95-63-6	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
1,3,5-Trimethylbenzene	108-67-8	U	0.39	0.50	1	ug/l		8260B	07/30/14	1
o-Xylene	95-47-6	U	0.34	0.50	1	ug/l		8260B	07/30/14	1
m&p-Xylene	1330-20-7	U	0.72	1.0	2	ug/l		8260B	07/30/14	1
Vinyl chloride	75-01-4	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
Surrogate Recovery										
Toluene-d8	2037-26-5	103.				% Rec.		8260B	07/30/14	1
Dibromofluoromethane	1868-53-7	104.				% Rec.		8260B	07/30/14	1
4-Bromofluorobenzene	460-00-4	104.				% Rec.		8260B	07/30/14	1

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-07

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW07-NT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/25/14 08:25

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
TPH (GC/FID) Low Fraction	8006-61-9	U	31	50.	100	ug/l		8015D/G	07/30/14	1
Surrogate Recovery-%										
a,a,a-Trifluorotoluene(FID)	98-08-8	95.9				% Rec.		8015D/G	07/30/14	1
Volatile Organics										
Acetone	67-64-1	U	10	25.	50	ug/l		8260B	07/30/14	1
Benzene	71-43-2	U	0.33	0.50	1	ug/l		8260B	07/30/14	1
Bromobenzene	108-86-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Bromochloromethane	74-97-5	U	0.52	0.75	1	ug/l		8260B	07/30/14	1
Bromodichloromethane	75-27-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Bromoform	75-25-2	U	0.47	0.50	1	ug/l		8260B	07/30/14	1
Bromomethane	74-83-9	U	0.87	2.5	5	ug/l		8260B	07/30/14	1
n-Butylbenzene	104-51-8	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
sec-Butylbenzene	135-98-8	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
tert-Butylbenzene	98-06-6	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
Carbon Disulfide	75-15-0	U	0.28	0.50	1	ug/l		8260B	07/30/14	1
Carbon tetrachloride	56-23-5	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Chlorobenzene	108-90-7	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Chlorodibromomethane	124-48-1	U	0.33	0.50	1	ug/l		8260B	07/30/14	1
Chloroethane	75-00-3	U	0.45	2.5	5	ug/l		8260B	07/30/14	1
Chloroform	67-66-3	0.42	0.32	2.5	5	ug/l	J	8260B	07/30/14	1
Chloromethane	74-87-3	U	0.28	0.50	2.5	ug/l		8260B	07/30/14	1
2-Chlorotoluene	95-49-8	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
4-Chlorotoluene	106-43-4	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.3	2.5	5	ug/l		8260B	07/30/14	1
1,2-Dibromoethane	106-93-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Dibromomethane	74-95-3	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichlorobenzene	95-50-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.50	1	ug/l		8260B	07/30/14	1
1,4-Dichlorobenzene	106-46-7	U	0.27	0.50	1	ug/l		8260B	07/30/14	1
Dichlorodifluoromethane	75-71-8	U	0.55	2.5	5	ug/l		8260B	07/30/14	1
1,1-Dichloroethane	75-34-3	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichloroethane	107-06-2	U	0.36	0.50	1	ug/l		8260B	07/30/14	1
1,1-Dichloroethene	75-35-4	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
trans-1,2-Dichloroethene	156-60-5	U	0.4	0.50	1	ug/l		8260B	07/30/14	1
1,2-Dichloropropane	78-87-5	U	0.31	0.50	1	ug/l		8260B	07/30/14	1
1,1-Dichloropropene	563-58-6	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
1,3-Dichloropropane	142-28-9	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
cis-1,3-Dichloropropene	10061-01-5	U	0.42	0.50	1	ug/l		8260B	07/30/14	1
trans-1,3-Dichloropropene	10061-02-6	U	0.42	0.50	1	ug/l		8260B	07/30/14	1
2,2-Dichloropropane	594-20-7	U	0.32	0.50	1	ug/l		8260B	07/30/14	1
Ethylbenzene	100-41-4	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
2-Hexanone	591-78-6	U	3.8	5.0	10	ug/l		8260B	07/30/14	1
Hexachloro-1,3-butadiene	87-68-3	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
Isopropylbenzene	98-82-8	U	0.33	0.50	1	ug/l		8260B	07/30/14	1

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-07

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-MW07-NT01

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/25/14 08:25

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
p-Isopropyltoluene	99-87-6	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
2-Butanone (MEK)	78-93-3	U	3.9	5.0	10	ug/l		8260B	07/30/14	1
Methylene Chloride	75-09-2	U	1	2.5	5	ug/l		8260B	07/30/14	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.1	5.0	10	ug/l		8260B	07/30/14	1
Methyl tert-butyl ether	1634-04-4	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
Naphthalene	91-20-3	U	1	2.5	5	ug/l		8260B	07/30/14	1
n-Propylbenzene	103-65-1	U	0.35	0.50	1	ug/l		8260B	07/30/14	1
Styrene	100-42-5	U	0.31	0.50	1	ug/l		8260B	07/30/14	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.75	1	ug/l		8260B	07/30/14	1
Tetrachloroethene	127-18-4	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
Toluene	108-88-3	U	0.78	2.5	5	ug/l		8260B	07/30/14	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.50	1	ug/l		8260B	07/30/14	1
1,2,4-Trichlorobenzene	120-82-1	U	0.21	0.50	1	ug/l		8260B	07/30/14	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.50	1	ug/l		8260B	07/30/14	1
1,1,2-Trichloroethane	79-00-5	U	0.38	0.50	1	ug/l		8260B	07/30/14	1
Trichloroethene	79-01-6	6.7	0.4	0.50	1	ug/l		8260B	07/30/14	1
Trichlorofluoromethane	75-69-4	U	1.2	2.5	5	ug/l		8260B	07/30/14	1
1,2,3-Trichloropropane	96-18-4	U	0.81	1.0	2.5	ug/l		8260B	07/30/14	1
1,2,4-Trimethylbenzene	95-63-6	U	0.37	0.50	1	ug/l		8260B	07/30/14	1
1,3,5-Trimethylbenzene	108-67-8	U	0.39	0.50	1	ug/l		8260B	07/30/14	1
o-Xylene	95-47-6	U	0.34	0.50	1	ug/l		8260B	07/30/14	1
m&p-Xylene	1330-20-7	U	0.72	1.0	2	ug/l		8260B	07/30/14	1
Vinyl chloride	75-01-4	U	0.26	0.50	1	ug/l		8260B	07/30/14	1
Surrogate Recovery										
Toluene-d8	2037-26-5	103.				% Rec.		8260B	07/30/14	1
Dibromofluoromethane	1868-53-7	104.				% Rec.		8260B	07/30/14	1
4-Bromofluorobenzene	460-00-4	102.				% Rec.		8260B	07/30/14	1

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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-08

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-TRIPBLANK-TT02

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 11:00

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
TPH (GC/FID) Low Fraction	8006-61-9	U	31	50.	100	ug/l		8015D/G	07/30/14	1
Surrogate Recovery-%										
a,a,a-Trifluorotoluene(FID)	98-08-8	96.3				% Rec.		8015D/G	07/30/14	1
Volatile Organics										
Acetone	67-64-1	U	10	25.	50	ug/l		8260B	07/29/14	1
Benzene	71-43-2	U	0.33	0.50	1	ug/l		8260B	07/29/14	1
Bromobenzene	108-86-1	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
Bromochloromethane	74-97-5	U	0.52	0.75	1	ug/l		8260B	07/29/14	1
Bromodichloromethane	75-27-4	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Bromoform	75-25-2	U	0.47	0.50	1	ug/l		8260B	07/29/14	1
Bromomethane	74-83-9	U	0.87	2.5	5	ug/l		8260B	07/29/14	1
n-Butylbenzene	104-51-8	U	0.36	0.50	1	ug/l		8260B	07/29/14	1
sec-Butylbenzene	135-98-8	U	0.36	0.50	1	ug/l		8260B	07/29/14	1
tert-Butylbenzene	98-06-6	U	0.4	0.50	1	ug/l		8260B	07/29/14	1
Carbon Disulfide	75-15-0	U	0.28	0.50	1	ug/l		8260B	07/29/14	1
Carbon tetrachloride	56-23-5	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Chlorobenzene	108-90-7	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
Chlorodibromomethane	124-48-1	U	0.33	0.50	1	ug/l		8260B	07/29/14	1
Chloroethane	75-00-3	U	0.45	2.5	5	ug/l		8260B	07/29/14	1
Chloroform	67-66-3	U	0.32	2.5	5	ug/l		8260B	07/29/14	1
Chloromethane	74-87-3	U	0.28	0.50	2.5	ug/l		8260B	07/29/14	1
2-Chlorotoluene	95-49-8	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
4-Chlorotoluene	106-43-4	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.3	2.5	5	ug/l		8260B	07/29/14	1
1,2-Dibromoethane	106-93-4	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Dibromomethane	74-95-3	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dichlorobenzene	95-50-1	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.50	1	ug/l		8260B	07/29/14	1
1,4-Dichlorobenzene	106-46-7	U	0.27	0.50	1	ug/l		8260B	07/29/14	1
Dichlorodifluoromethane	75-71-8	U	0.55	2.5	5	ug/l		8260B	07/29/14	1
1,1-Dichloroethane	75-34-3	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dichloroethane	107-06-2	U	0.36	0.50	1	ug/l		8260B	07/29/14	1
1,1-Dichloroethene	75-35-4	U	0.4	0.50	1	ug/l		8260B	07/29/14	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
trans-1,2-Dichloroethene	156-60-5	U	0.4	0.50	1	ug/l		8260B	07/29/14	1
1,2-Dichloropropane	78-87-5	U	0.31	0.50	1	ug/l		8260B	07/29/14	1
1,1-Dichloropropene	563-58-6	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
1,3-Dichloropropane	142-28-9	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
cis-1,3-Dichloropropene	10061-01-5	U	0.42	0.50	1	ug/l		8260B	07/29/14	1
trans-1,3-Dichloropropene	10061-02-6	U	0.42	0.50	1	ug/l		8260B	07/29/14	1
2,2-Dichloropropane	594-20-7	U	0.32	0.50	1	ug/l		8260B	07/29/14	1
Ethylbenzene	100-41-4	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
2-Hexanone	591-78-6	U	3.8	5.0	10	ug/l		8260B	07/29/14	1
Hexachloro-1,3-butadiene	87-68-3	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
Isopropylbenzene	98-82-8	U	0.33	0.50	1	ug/l		8260B	07/29/14	1

U = Not Detected at the LOD
Note:
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REPORT OF ANALYSIS

Sheri Fling
URS
8181 E. Tufts Avenue
Denver, CO 80237

January 09, 2015

ESC Sample # : L712424-08

Date Received : July 26, 2014
Description : Holloman AFB

Site ID :

Sample ID : H-TU904-TRIPBLANK-TT02

Project # : 23446543.0053AA

Collected By : Jon Mallonee
Collection Date : 07/24/14 11:00

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
p-Isopropyltoluene	99-87-6	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
2-Butanone (MEK)	78-93-3	U	3.9	5.0	10	ug/l		8260B	07/29/14	1
Methylene Chloride	75-09-2	U	1	2.5	5	ug/l		8260B	07/29/14	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.1	5.0	10	ug/l		8260B	07/29/14	1
Methyl tert-butyl ether	1634-04-4	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
Naphthalene	91-20-3	U	1	2.5	5	ug/l		8260B	07/29/14	1
n-Propylbenzene	103-65-1	U	0.35	0.50	1	ug/l		8260B	07/29/14	1
Styrene	100-42-5	U	0.31	0.50	1	ug/l		8260B	07/29/14	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.75	1	ug/l		8260B	07/29/14	1
Tetrachloroethene	127-18-4	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
Toluene	108-88-3	U	0.78	2.5	5	ug/l		8260B	07/29/14	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.50	1	ug/l		8260B	07/29/14	1
1,2,4-Trichlorobenzene	120-82-1	U	0.21	0.50	1	ug/l		8260B	07/29/14	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.50	1	ug/l		8260B	07/29/14	1
1,1,2-Trichloroethane	79-00-5	U	0.38	0.50	1	ug/l		8260B	07/29/14	1
Trichloroethene	79-01-6	U	0.4	0.50	1	ug/l		8260B	07/29/14	1
Trichlorofluoromethane	75-69-4	U	1.2	2.5	5	ug/l		8260B	07/29/14	1
1,2,3-Trichloropropane	96-18-4	U	0.81	1.0	2.5	ug/l		8260B	07/29/14	1
1,2,4-Trimethylbenzene	95-63-6	U	0.37	0.50	1	ug/l		8260B	07/29/14	1
1,3,5-Trimethylbenzene	108-67-8	U	0.39	0.50	1	ug/l		8260B	07/29/14	1
o-Xylene	95-47-6	U	0.34	0.50	1	ug/l		8260B	07/29/14	1
m&p-Xylene	1330-20-7	U	0.72	1.0	2	ug/l		8260B	07/29/14	1
Vinyl chloride	75-01-4	U	0.26	0.50	1	ug/l		8260B	07/29/14	1
Surrogate Recovery										
Toluene-d8	2037-26-5	104.				% Rec.		8260B	07/29/14	1
Dibromofluoromethane	1868-53-7	100.				% Rec.		8260B	07/29/14	1
4-Bromofluorobenzene	460-00-4	103.				% Rec.		8260B	07/29/14	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L712424-01	WG734030	SAMP	Chloroform	R2970906	J
L712424-05	WG734030	SAMP	Chloroform	R2970906	J
L712424-07	WG734030	SAMP	Chloroform	R2970906	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Volatile TPH by Method 8015D/GRO

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Quality Control Summary
SDG: L712424

Volatile TPH by Method 8015D/GRO
URS Corporation -Tucson AZ - 1088308

Project: Holloman AFB
Project No: 23446543.0053AA

Login No: L712424

Lab SampleID.	Client ID
L712424-01	H-TU904-FIELDBLANK-BT01
L712424-02	H-TU904-MW01-NT01
L712424-03	H-TU904-MW02-NT01
L712424-04	H-TU904-MW02-DT01
L712424-05	H-TU904-MW03-NT01
L712424-06	H-TU904-MW04-NT01
L712424-07	H-TU904-MW07-NT01
L712424-08	H-TU904-TRIPBLANK-TT02

I certify that this data package accurately represents the information in the raw data found herein, both technically and for completeness. Release of the data contained in this data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: ESC Lab Sciences

Date: _____ Title: Quality Control

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile TPH by Method 8015D/GRO		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734192**
Analysis Date:	7/30/2014	Analyst:	621
Instrument ID:	VOCGC1		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Workgroup: **WG734192**
Description: **TPH Low Fraction by Method 8015D/GRO (GW)**

Sample Name	Collect Date	Analysis Date
L712424-01 1x	07/25/2014	07/30/2014
L712424-02 1x	07/24/2014	07/30/2014
L712424-03 1x	07/24/2014	07/30/2014
L712424-04 1x	07/24/2014	07/30/2014
L712424-05 1x	07/24/2014	07/30/2014
L712424-06 1x	07/24/2014	07/30/2014
L712424-07 1x	07/25/2014	07/30/2014
L712424-08 1x	07/24/2014	07/30/2014

Parameters in bold text are reported in this SDG

12065 Lebanon Rd
Mt. Juliet, TN 37122
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(800) 767-5859
Fax (615) 758-5859
Tax I.D 62-0814289
Est. 1970

Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile TPH by Method 8015D/GRO		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734192**
Analysis Date:	7/30/2014	Analyst:	621
Instrument ID:	VOCGC1		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Method Blank Summary

Instrument	Client Sample ID	Lab Sample ID	File Name	Analysis Date	Analysis Time
VOCGC1	LCS WG734192	LCS WG734192	0729_04.D	7/30/2014	12:53 AM
VOCGC1	LCSD WG734192	LCSD WG734192	0729_05.D	7/30/2014	1:15 AM
VOCGC1	MS WG734192	MS WG734192	0729_06.D	7/30/2014	1:37 AM
VOCGC1	MSD WG734192	MSD WG734192	0729_07.D	7/30/2014	2:00 AM
VOCGC1	MS WG734192	MS WG734192	0729_08.D	7/30/2014	2:22 AM
VOCGC1	MSD WG734192	MSD WG734192	0729_09.D	7/30/2014	2:44 AM
VOCGC1	Blank WG734192	Blank WG734192	0729_11.D	7/30/2014	3:28 AM
VOCGC1	H-TU904-FIELDBLANK-BT01	L712424-01	0729_13.D	7/30/2014	4:12 AM
VOCGC1	H-TU904-TRIPBLANK-TT02	L712424-08	0729_14.D	7/30/2014	4:34 AM
VOCGC1	H-TU904-MW03-NT01	L712424-05	0729_16.D	7/30/2014	5:18 AM
VOCGC1	H-TU904-MW01-NT01	L712424-02	0729_27.D	7/30/2014	9:50 AM
VOCGC1	H-TU904-MW02-NT01	L712424-03	0729_28.D	7/30/2014	10:12 AM
VOCGC1	H-TU904-MW02-DT01	L712424-04	0729_29.D	7/30/2014	10:34 AM
VOCGC1	H-TU904-MW04-NT01	L712424-06	0729_30.D	7/30/2014	10:56 AM
VOCGC1	H-TU904-MW07-NT01	L712424-07	0729_31.D	7/30/2014	11:19 AM

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile TPH by Method 8015D/GRO		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734192**
Analysis Date:	7/30/2014	Analyst:	621
Instrument ID:	VOCGC1		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Method Blank

Analyte	CAS	RDL	MDL	Qualifier
TPH (GC/FID) Low Fraction	8006-61-9	< 0.100	< 0.0314	

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
TPH (GC/FID) Low Fraction	1	5.5	5.8692	107	67 - 132	

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
TPH (GC/FID) Low Fraction	1	5.5	5.8604	107	67 - 132	

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	% RPD	Control Limits	RPD Qual
TPH (GC/FID) Low Fraction	1	5.5	5.8692	107	5.8604	107	67 - 132		0.15	20	

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile TPH by Method 8015D/GRO		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734192**
Analysis Date:	7/30/2014	Analyst:	621
Instrument ID:	VOCGC1		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Matrix Spike / Matrix Spike Duplicate

L712424-05

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD Qual
TPH (GC/FID) Low Fraction	1	5.5	0.0267	5.8073	105	5.9493	108	50 - 143		2.42	20	

Matrix Spike / Matrix Spike Duplicate

L711879-08

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD Qual
TPH (GC/FID) Low Fraction	1	5.5	0.0224	5.8231	105	5.8923	107	50 - 143		1.18	20	

Parameters in bold text are reported in this SDG

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Est. 1970

Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile TPH by Method 8015D/GRO		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734192**
Analysis Date:	7/30/2014	Analyst:	621
Instrument ID:	VOCGC1		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Surrogate Summary

Laboratory Sample ID	Instrument	File ID	ppm	% Rec	ppm	% Rec
L712424-01	VOCGC1	0729_13	0.193	96.4		
L712424-02	VOCGC1	0729_27	0.192	96.1		
L712424-03	VOCGC1	0729_28	0.192	95.9		
L712424-04	VOCGC1	0729_29	0.192	96.0		
L712424-05	VOCGC1	0729_16	0.192	96.2		
L712424-06	VOCGC1	0729_30	0.192	95.9		
L712424-07	VOCGC1	0729_31	0.192	95.9		
L712424-08	VOCGC1	0729_14	0.193	96.3		
LCS WG734192	VOCGC1	0729_04	0.198	98.9	0.222	111
LCSD WG734192	VOCGC1	0729_05	0.198	98.9	0.221	111
MS WG734192	VOCGC1	0729_06	0.194	97.0	0.219	110
MSD WG734192	VOCGC1	0729_07	0.198	98.9	0.221	110
MS WG734192	VOCGC1	0729_08	0.195	97.3	0.221	110
MSD WG734192	VOCGC1	0729_09	0.197	98.6	0.221	110
BLANK WG734192	VOCGC1	0729_11	0.194	96.9	0.203	102

--A,A,A-TRIFLUOROTOLUENE(FID) True Value: 0.2 ppm Limits: 62 - 128

--A,A,A-TRIFLUOROTOLUENE(PID) True Value: 0.2 ppm Limits: 55 - 122

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test: Method 8015D/GRO
Project No: 23446543.0053AA
Project: Holloman AFB EPA ID: TN00003
Collection Date: 7/25/2014
Instrument ID: VOCGC1

Continuing Calibration Verification Standard (CCV)

Filename: 0729_03.D
Date Analyzed: 7/30/2014
Time Analyzed: 12:01 AM

Analyte	True Value	Found	Recovery %	Limits
TPH (GC/FID) Low	5.50	5.74	104	85 - 115

Continuing Calibration Verification Standard (CCV)

Filename: 0729_24.D
Date Analyzed: 7/30/2014
Time Analyzed: 8:15 AM

Analyte	True Value	Found	Recovery %	Limits
TPH (GC/FID) Low	5.50	5.39	98	85 - 115

*** - calibrated by linear regression*

Raw Data

Sample Run Raw Data Package

Instrument ID	: VOCGC1	Instrument #	: 1
Computer	: VOCCOMPH	Run ID	: 072914

Data Released By: LaKeia Layne — Lakeia Layne

31-JUL-2014 02:55:03 PM
Date

Analyst Comments:

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

Instrument ID : VOCGC1
Computer Name : VOCCOMPH
Released By : Lakeia Layne
Date Released : 7/31/2014 2:55:05 PM
Run ID : 072914
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
1	0729_01	INSTBLK	BG01F19N						1	1	07/29/14 2317	"water SURIS14F10114"
2	0729_02	ICV BTEX 50 PPB 14B19652	BG01F19N						1	1	07/29/14 2339	"water SURIS14F10114"
3	0729_03	ICV GRO 5.5G PPM 14G21507	BG01F19N						1	1	07/30/14 0001	"water SURIS14F10114"
4	0729_04	LCSGRO	BG01F19N	WG734192	GRO	GW			1	1	07/30/14 0053	"water SURIS14F10114 spk14G31085"
5	0729_05	LCSDGRO	BG01F19N	WG734192	GRO	GW			1	1	07/30/14 0115	"water SURIS14F10114 spk14G31085"
6	0729_06	MSGRO	BG01F19N	WG734192	GRO	GW			1	1	07/30/14 0137	"water SURIS14F10114 spk14G31085"
7	0729_07	MSDGRO	BG01F19N	WG734192	GRO	GW			1	1	07/30/14 0200	"water SURIS14F10114 spk14G31085"
8	0729_08	MSGRO	BG01F19N	WG734192	GRO	GW			1	1	07/30/14 0222	"water SURIS14F10114 spk14G31085"
9	0729_09	MSDGRO	BG01F19N	WG734192	GRO	GW			1	1	07/30/14 0244	"water SURIS14F10114 spk14G31085"
10	0729_10	INSTBLK	BG01F19N						1	1	07/30/14 0306	"water SURIS14F10114"
11	0729_11	BLANK	BG01F19N	WG734192	GRO	GW			1	1	07/30/14 0328	"water SURIS14F10114"
12	0729_12	L711879-09	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 0350	"water SURIS14F10114"
13	0729_13	L712424-01	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 0412	"water SURIS14F10114"
14	0729_14	L712424-08	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 0434	"water SURIS14F10114"
15	0729_15	L711879-08	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 0456	"water SURIS14F10114"
16	0729_16	L712424-05	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 0518	"water SURIS14F10114"
17	0729_17	L711879-02	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 0541	"water SURIS14F10114"
18	0729_18	DNRL711879-05	BG01F19N	WG734192					5	5	07/30/14 0603	"water SURIS14F10114"
19	0729_19	L711879-06	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 0625	"water SURIS14F10114"
20	0729_20	DNRL712370-01	BG01F19N	WG734192					10	10	07/30/14 0647	"water SURIS14F10114"
21	0729_21	L712408-01	BG01F19N	WG734192	GROWY	GW	TERRAFCO	WY	1	1	07/30/14 0709	"water SURIS14F10114"

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

Instrument ID : VOCGC1
Computer Name : VOCCOMPH
Released By : Lakeia Layne
Date Released : 7/31/2014 2:55:05 PM
Run ID : 072914
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
22	0729_22	INSTBLK	BG01F19N						1	1	07/30/14 0731	"water SURIS14F10114"
23	0729_23	RT	BG01F19N						1	1	07/30/14 0753	"water SURIS14F10114"
24	0729_24	CCV GRO 5.5G PPM 14G21507	BG01F19N						1	1	07/30/14 0815	"water SURIS14F10114"
25	0729_25	INSTBLK	BG01F19N						1	1	07/30/14 0907	"water SURIS14F10114"
26	0729_26	L712420-01	BG01F19N	WG734192	GRO	GW	PANGWGACK	GA	1	1	07/30/14 0929	"water SURIS14F10114"
27	0729_27	L712424-02	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 0950	"water SURIS14F10114"
28	0729_28	L712424-03	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 1012	"water SURIS14F10114"
29	0729_29	L712424-04	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 1034	"water SURIS14F10114"
30	0729_30	L712424-06	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 1056	"water SURIS14F10114"
31	0729_31	L712424-07	BG01F19N	WG734192	GRO	GW	URSTAZ	AZ	1	1	07/30/14 1119	"water SURIS14F10114"
32	0729_32	L711907-02	BG01F19N	WG734192	GRO	WW	ABTECHSAZ	AZ	1	1	07/30/14 1141	"water SURIS14F10114"
33	0729_33	L711907-03	BG01F19N	WG734192	GRO	WW	ABTECHSAZ	AZ	1	1	07/30/14 1203	"water SURIS14F10114"

Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 02.D\FID1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 02.D\FID2B.CH
Acq On : 29 Jul 2014 11:39 pm Operator: 621
Sample : ICV BTEX Inst : VOCGC1
Misc : soil SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

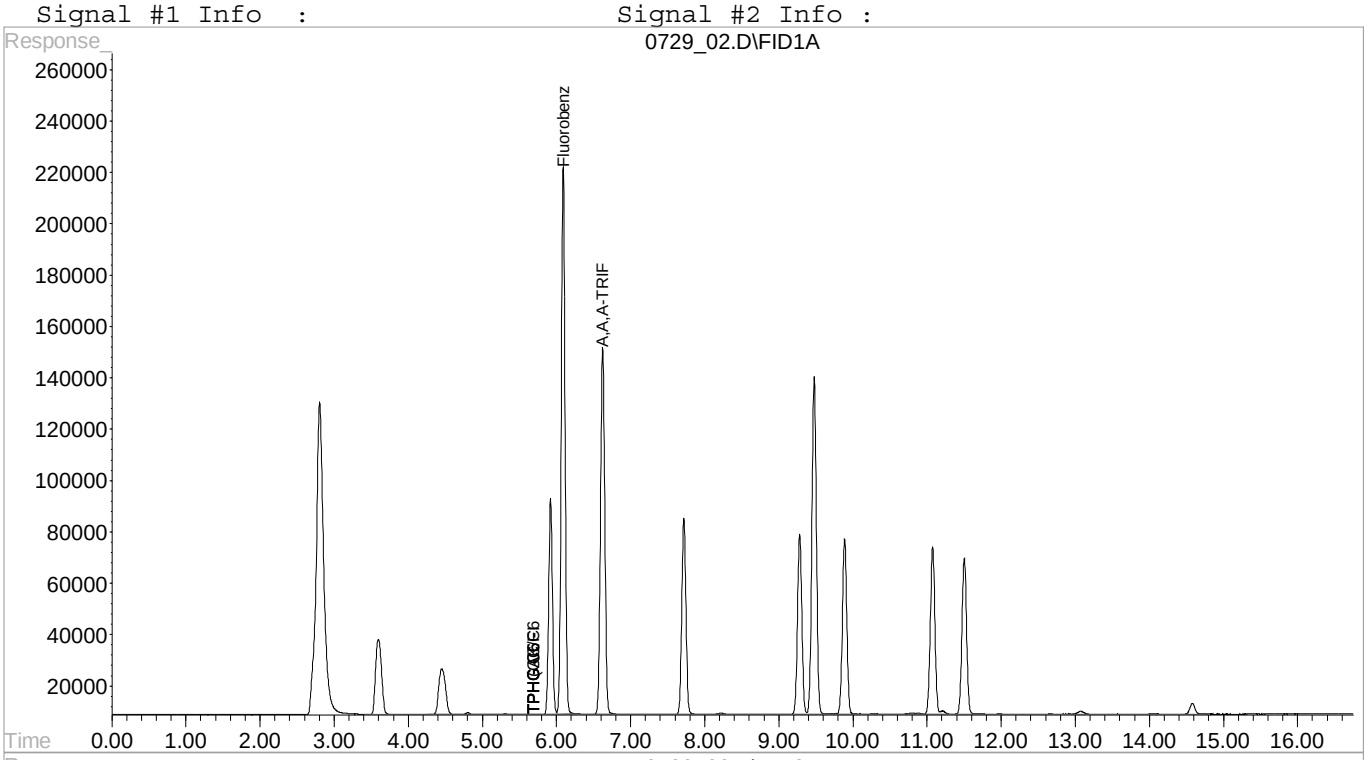
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.09	7625013	200.0000000	ppb
8) I Fluorobenzene #2	6.09	17291099	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.62	5707252	193.6656756	ppb
Spiked Amount 200.000 Range 59 - 128 Recovery = 96.83%				
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.62	9040377	200.9135073	ppb
Spiked Amount 200.000 Range 54 - 144 Recovery = 100.46%				
Target Compounds				
2) H,M TPHG C5 - C12	5.70	26542158	0.7305161	ppm
3) H,M TPHG C6 - C12	5.70	24844038	0.7933598	ppm
4) h,m TPHGAK C6 to C10	5.70	21669242	0.7982174	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	24333074	0.8556194	ppm
10) T,M Methyl Tert-Butyl Ether	4.45	2779662	52.3540302	ppb
11) T,M benzene	5.92	8426731	53.0804863	ppb
12) T,M toluene	7.72	8004725	53.1844011	ppb
13) T,M ethylbenzene	9.28	7126063	53.0252377	ppb
14) T,M m&p-xylene	9.48	15749386	105.4510893	ppb
15) T,M o-xylene	9.89	6873424	52.2841335	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	9585826	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.50	6896767	NoCal	ppb
18) T,M Naphthalene	14.58	790537	NoCal	ppb

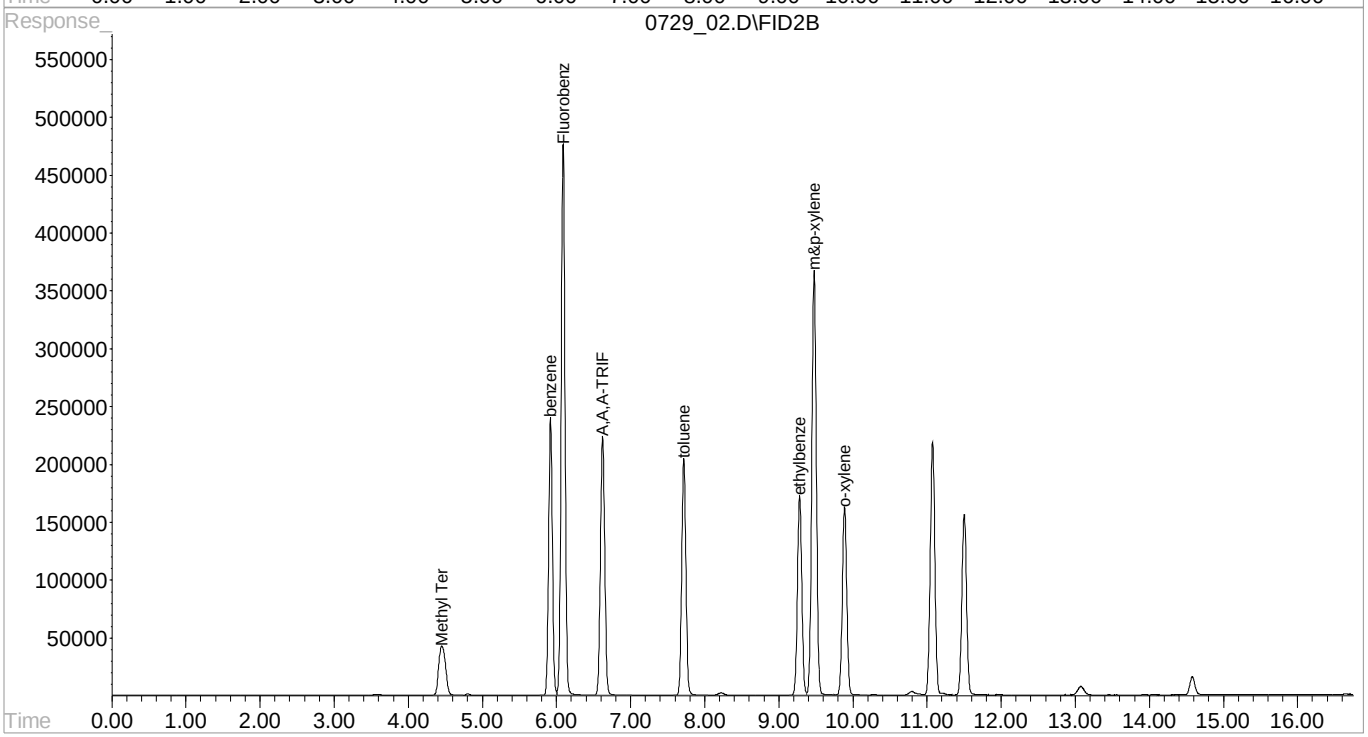
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 02.D\FID1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 02.D\FID2B.CH
Acq On : 29 Jul 2014 11:39 pm Operator: 621
Sample : ICV BTEX Inst : VOCGC1
Misc : soil SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 02.D\FID1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 02.D\FID2B.CH
Acq On : 29 Jul 2014 11:39 pm Operator: 621
Sample : ICV BTEX 50 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

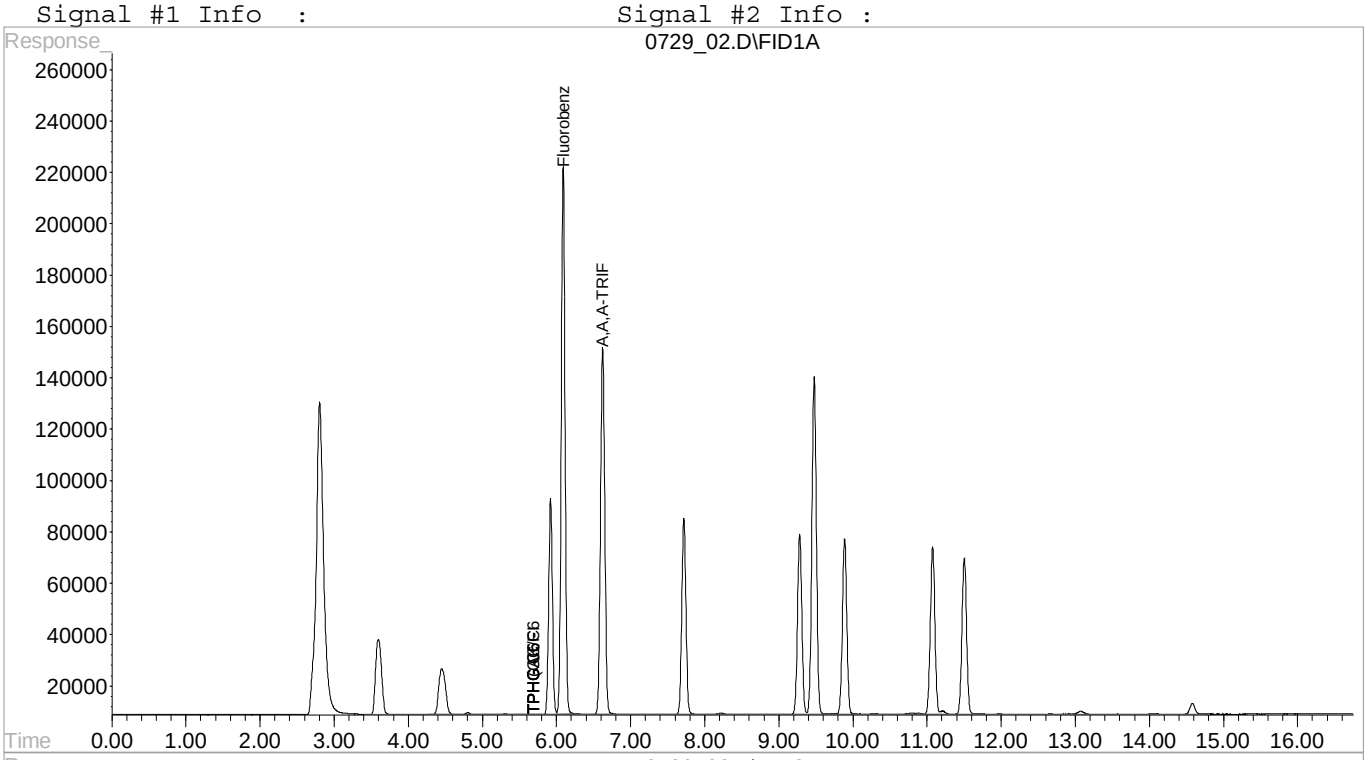
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.09	7625013	200.0000000	ppb
8) I Fluorobenzene #2	6.09	17291099	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.62	5707252	193.6656756	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.83%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.62	9040377	200.9135073	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.46%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	26542158	0.7305161	ppm
3) H,M TPHG C6 - C12	5.70	24844038	0.7933598	ppm
4) h,m TPHGAK C6 to C10	5.70	21669242	0.7982174	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	24333074	0.8556194	ppm
10) T,M Methyl Tert-Butyl Ether	4.45	2779662	52.3540302	ppb
11) T,M benzene	5.92	8426731	53.0804863	ppb
12) T,M toluene	7.72	8004725	53.1844011	ppb
13) T,M ethylbenzene	9.28	7126063	53.0252377	ppb
14) T,M m&p-xylene	9.48	15749386	105.4510893	ppb
15) T,M o-xylene	9.89	6873424	52.2841335	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	9585826	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.50	6896767	NoCal	ppb
18) T,M Naphthalene	14.58	790537	NoCal	ppb

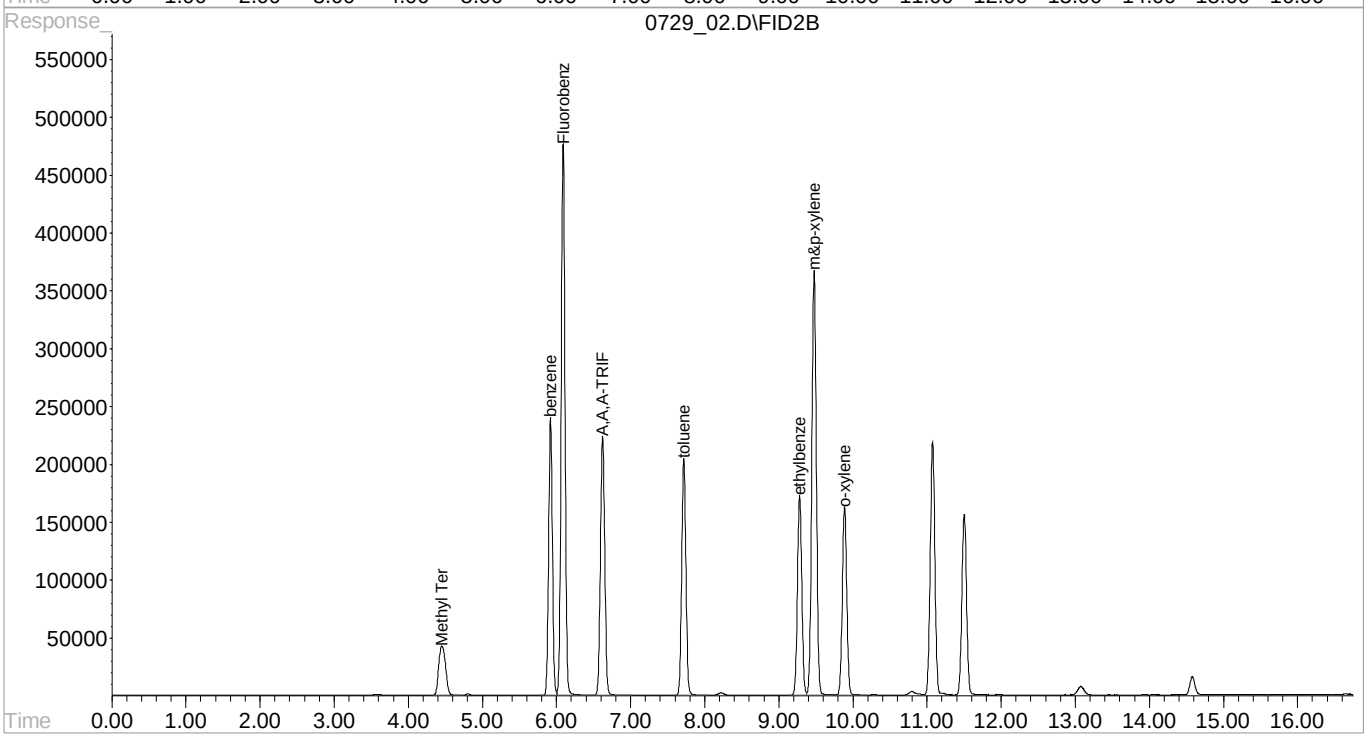
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 02.D\FID1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 02.D\FID2B.CH
Acq On : 29 Jul 2014 11:39 pm Operator: 621
Sample : ICV BTEX 50 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 03.D\FID1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 03.D\FID2B.CH
Acq On : 30 Jul 2014 12:01 am Operator: 621
Sample : ICV GRO Inst : VOCGC1
Misc : soil SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

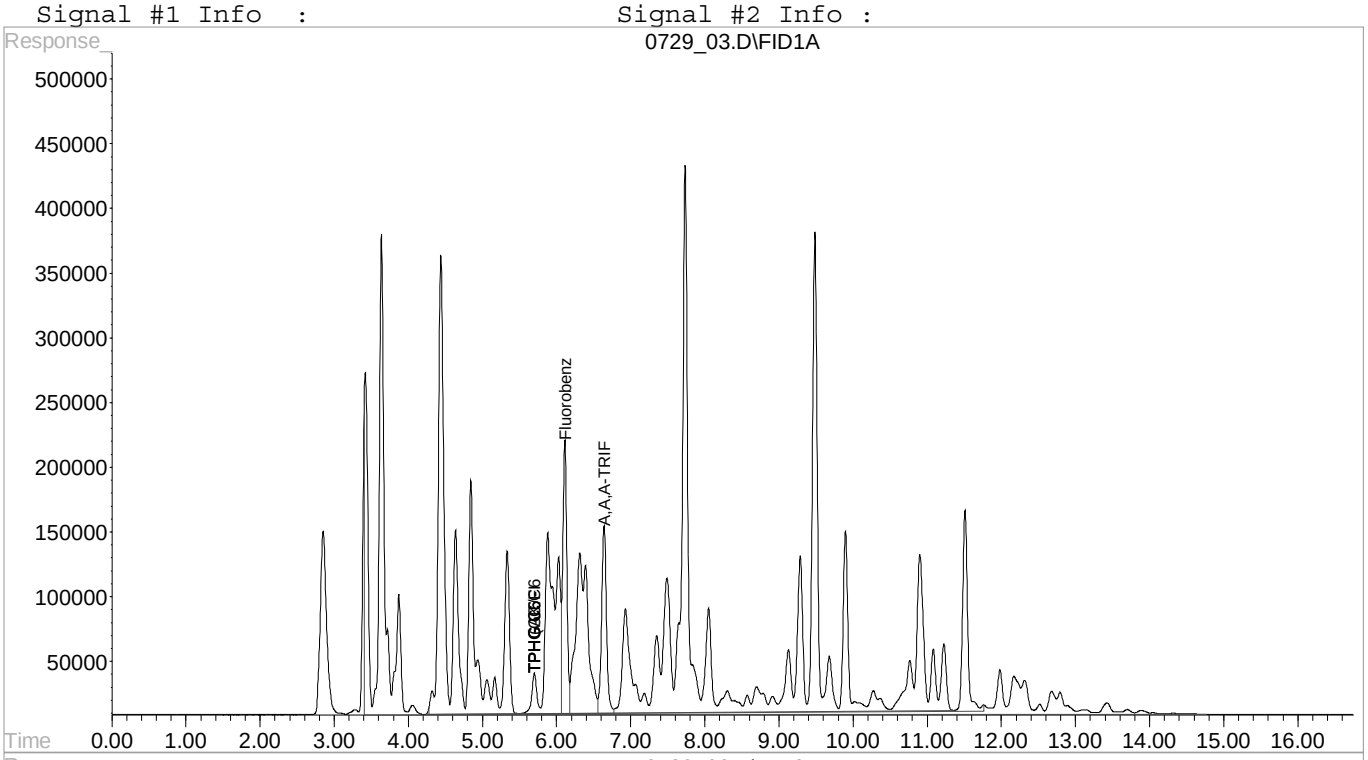
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.11	8319398	200.0000000	ppb
8) I Fluorobenzene #2	6.11	18023069	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.64	6682622	207.8362214	ppb
Spiked Amount 200.000 Range 59 - 128		Recovery = 103.92%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	10694944	228.0315536	ppb
Spiked Amount 200.000 Range 54 - 144		Recovery = 114.02%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	226578967	5.6489739	ppm
3) H,M TPHG C6 - C12	5.70	196794919	5.6534839	ppm
4) h,m TPHGAK C6 to C10	5.70	170992718	5.7206090	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	179526425	5.7360031	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	10018883	181.0386449	ppb
11) T,M benzene	5.94	7926084	47.8992036	ppb
12) T,M toluene	7.73	45079935	287.3525149	ppb
13) T,M ethylbenzene	9.29	11593898	82.7668220	ppb
14) T,M m&p-xylene	9.48	43765973	281.1369329	ppb
15) T,M o-xylene	9.90	14096628	102.8740570	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	7329764	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	18405615	NoCal	ppb
18) T,M Naphthalene	14.59	76492	NoCal	ppb

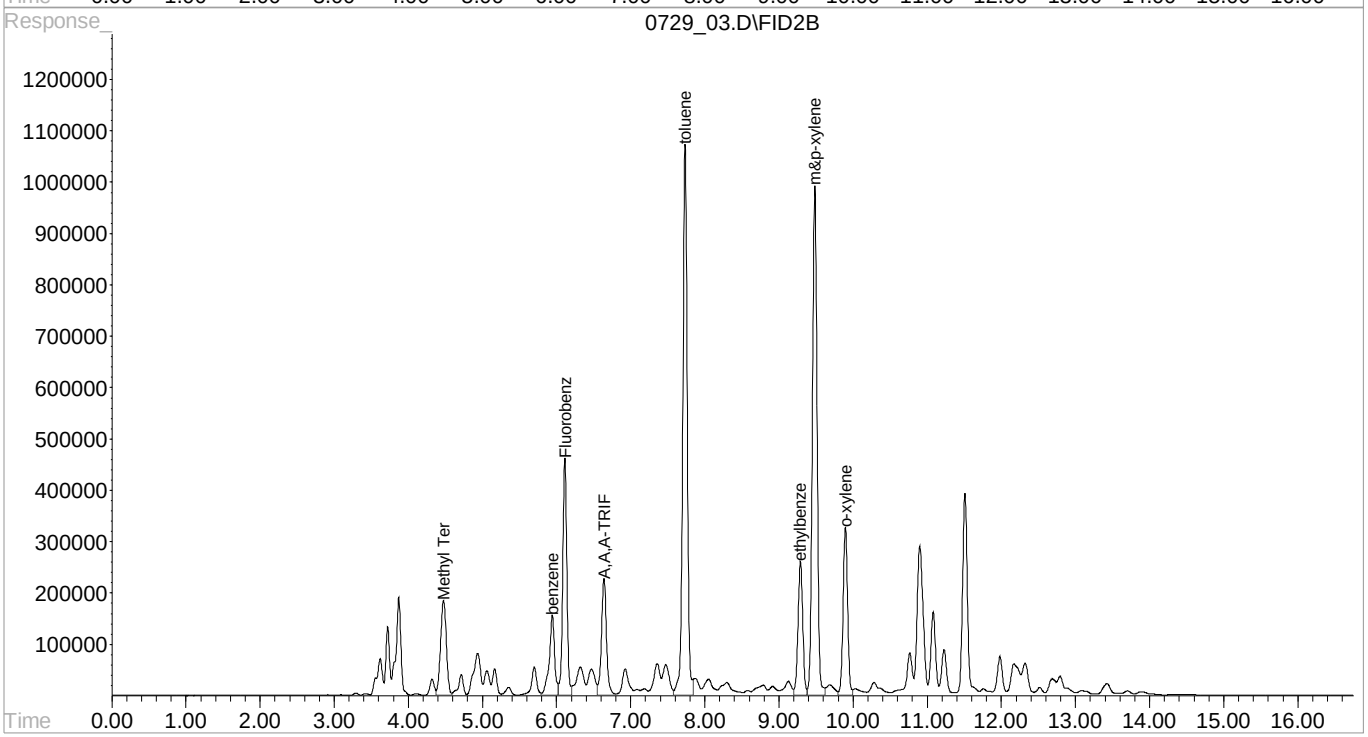
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 03.D\FID1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 03.D\FID2B.CH
Acq On : 30 Jul 2014 12:01 am Operator: 621
Sample : ICV GRO Inst : VOCGC1
Misc : soil SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 03.D\FID1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 03.D\FID2B.CH
Acq On : 30 Jul 2014 12:01 am Operator: 621
Sample : ICV GRO 5.5g ppm 14G21507 Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

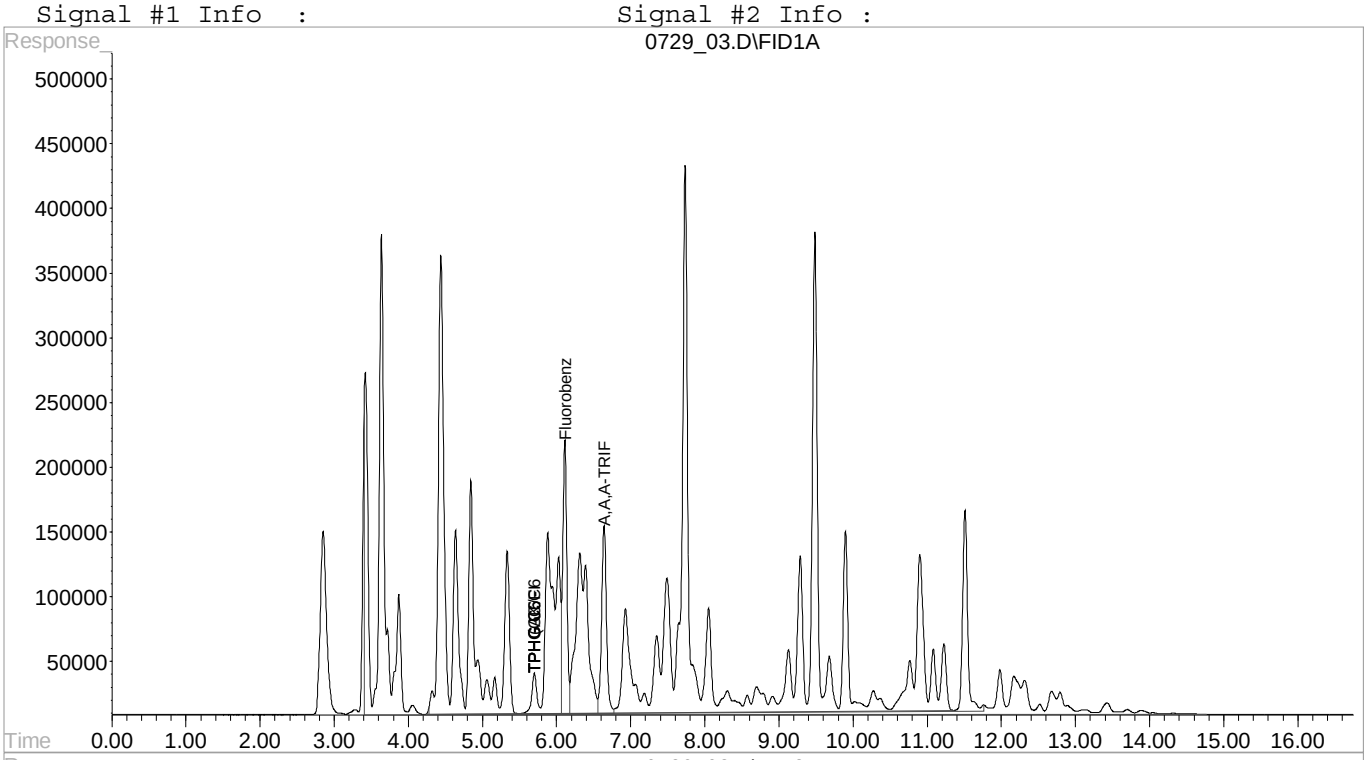
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.11	8319398	200.0000000	ppb
8) I Fluorobenzene #2	6.11	18023069	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.64	6682622	207.8362214	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 103.92%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	10694944	228.0315536	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 114.02%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	226578967	5.6489739	ppm
3) H,M TPHG C6 - C12	5.70	196794919	5.6534839	ppm
4) h,m TPHGAK C6 to C10	5.70	170992718	5.7206090	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	179526425	5.7360031	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	10018883	181.0386449	ppb
11) T,M benzene	5.94	7926084	47.8992036	ppb
12) T,M toluene	7.73	45079935	287.3525149	ppb
13) T,M ethylbenzene	9.29	11593898	82.7668220	ppb
14) T,M m&p-xylene	9.48	43765973	281.1369329	ppb
15) T,M o-xylene	9.90	14096628	102.8740570	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	7329764	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	18405615	NoCal	ppb
18) T,M Naphthalene	14.59	76492	NoCal	ppb

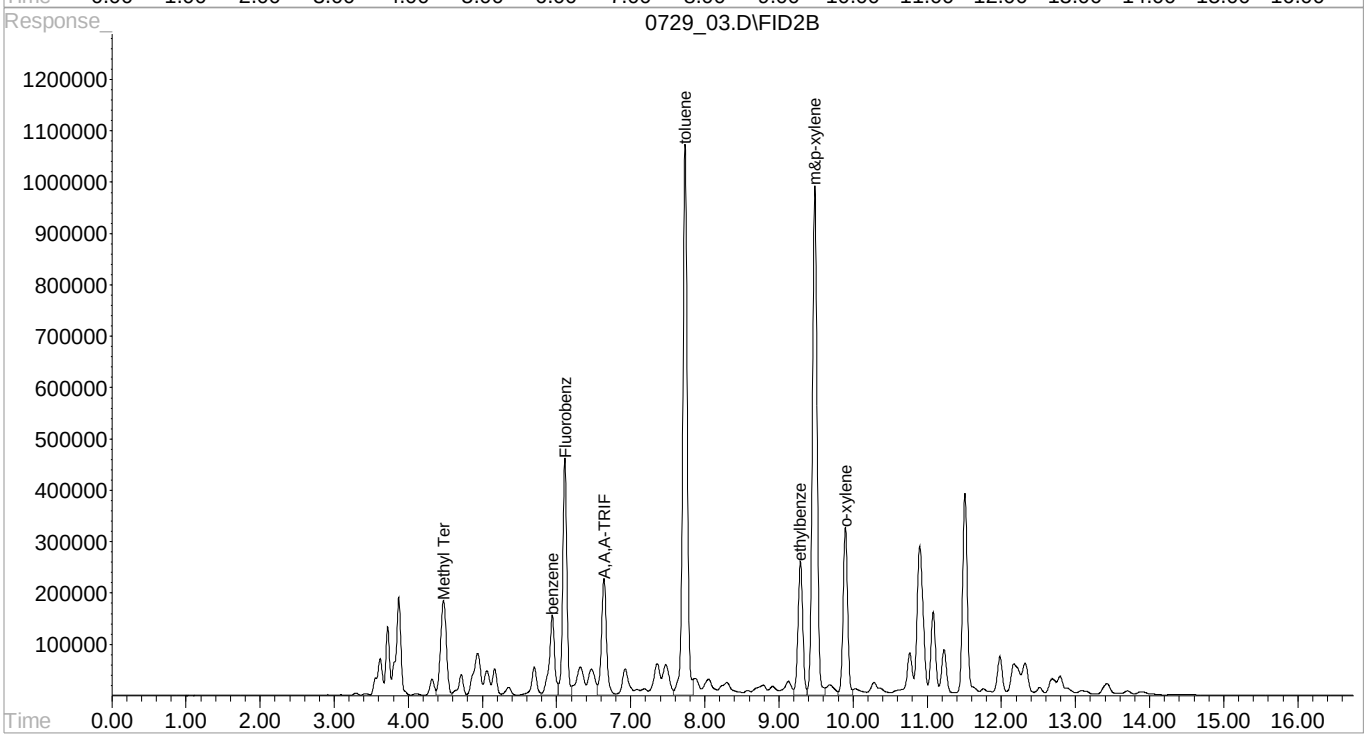
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 03.D\FID1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 03.D\FID2B.CH
Acq On : 30 Jul 2014 12:01 am Operator: 621
Sample : ICV GRO 5.5g ppm 14G21507 Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 04.D\FID1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 04.D\FID2B.CH
Acq On : 30 Jul 2014 12:53 am Operator: 621
Sample : LCSGRO 1x WG734192 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

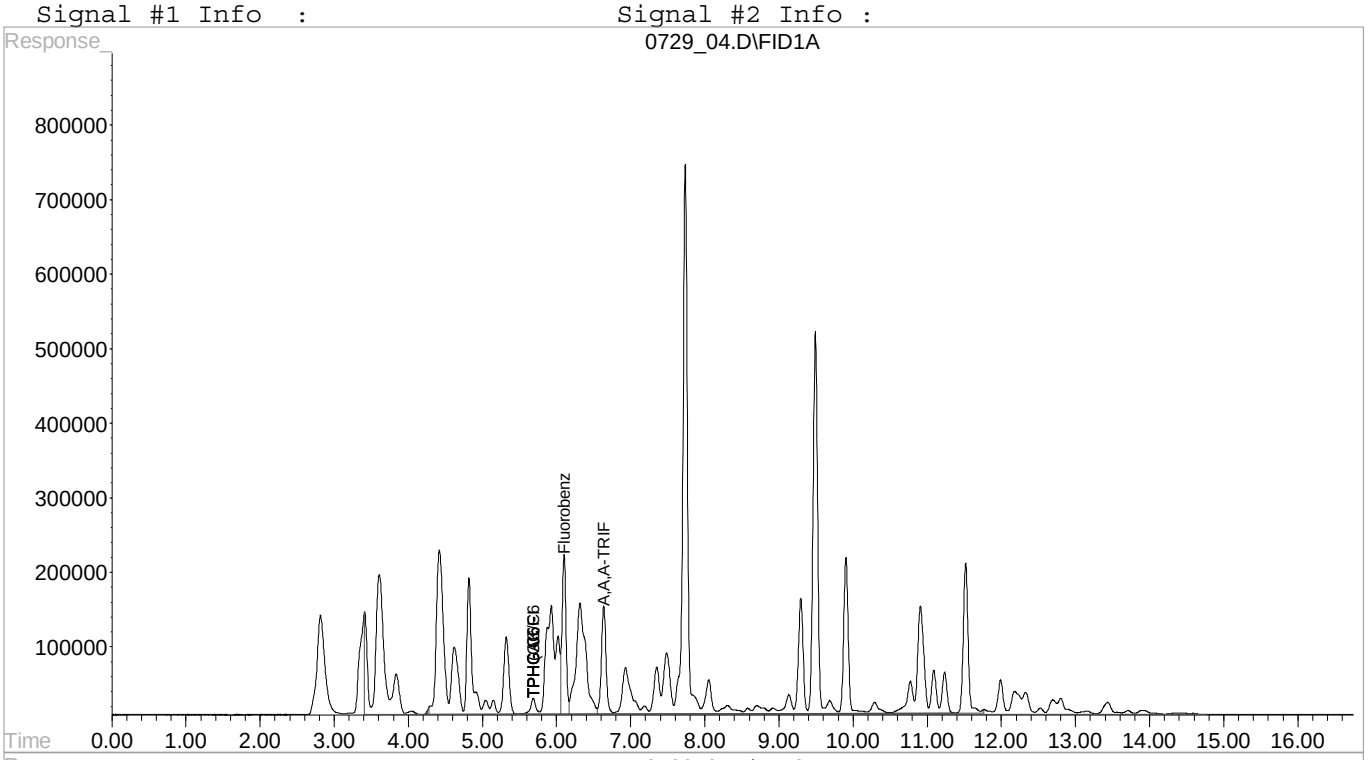
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	8261774	200.0000000	ppb
8) I Fluorobenzene #2	6.10	17779589	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.64	6316283	197.8128471	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 98.91%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	10263624	221.8319965	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 110.92%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	221131309	5.5517759	ppm
3) H,M TPHG C6 - C12	5.70	200876765	5.8105221	ppm
4) h,m TPHGAK C6 to C10	5.70	173150881	5.8330484	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	182427764	5.8691556	ppm
10) T,M Methyl Tert-Butyl Ether	4.46	8246004	151.0436857	ppb
11) T,M benzene	5.93	12842654	78.6740349	ppb
12) T,M toluene	7.74	75381927	487.0863782	ppb
13) T,M ethylbenzene	9.30	15374733	111.2606055	ppb
14) T,M m&p-xylene	9.49	59352240	386.4785981	ppb
15) T,M o-xylene	9.90	21324651	157.7537106	ppb
16) T,M 1,3,5-Trimethylbenzene	11.09	8729902	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	23285608	NoCal	ppb
18) T,M Naphthalene	14.59	267935	NoCal	ppb

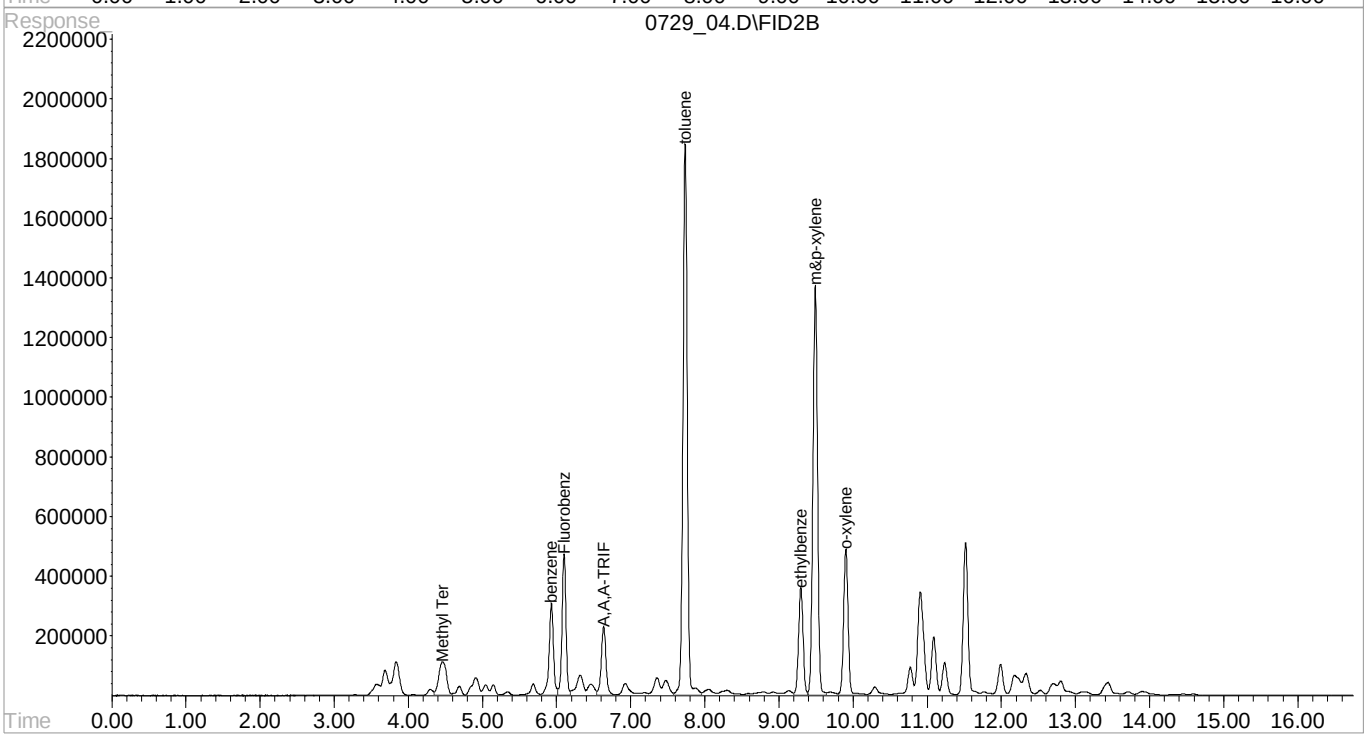
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 04.D\FID1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 04.D\FID2B.CH
Acq On : 30 Jul 2014 12:53 am Operator: 621
Sample : LCSGRO 1x WG734192 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 05.D\FID1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 05.D\FID2B.CH
Acq On : 30 Jul 2014 1:15 am Operator: 621
Sample : LCSDGRO 1x WG734192 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

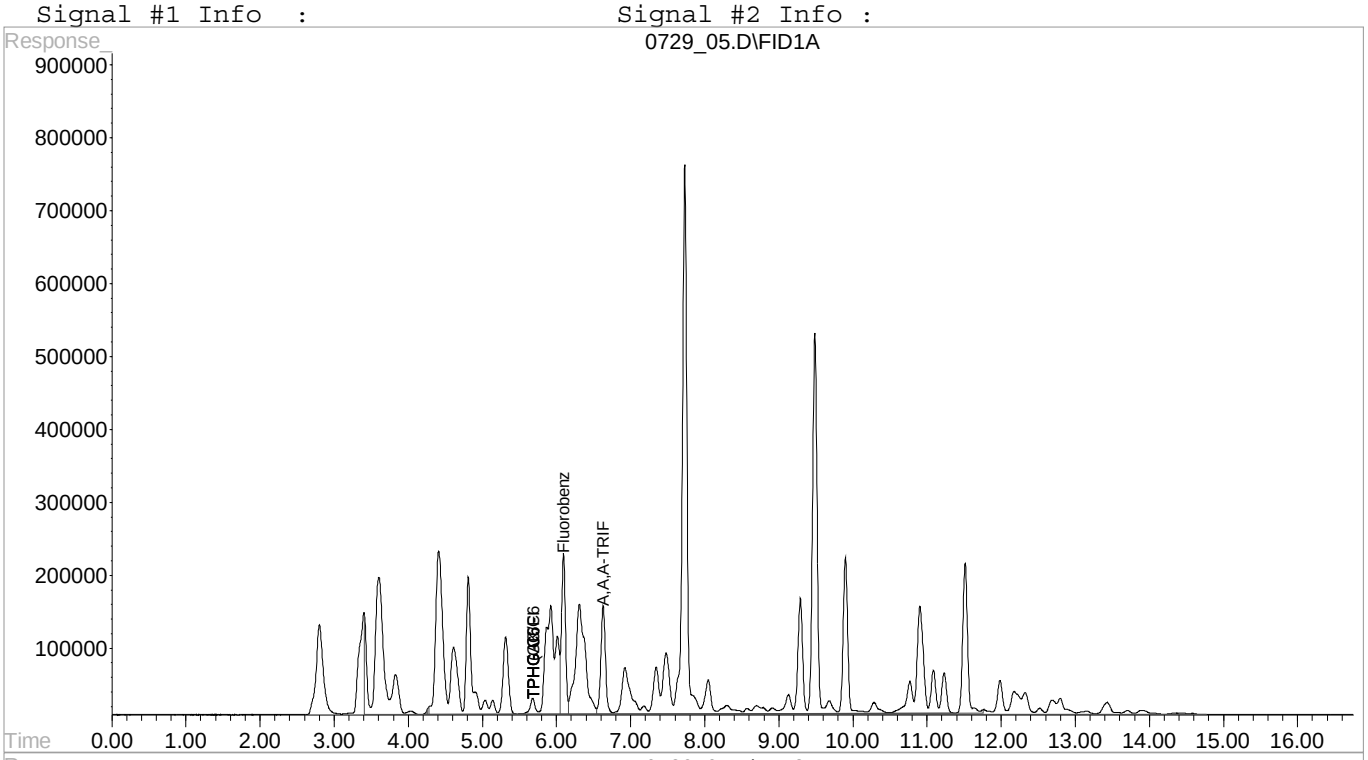
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	8449060	200.0000000	ppb
8) I Fluorobenzene #2	6.10	18047941	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	6462261	197.8983926	ppb
Spiked Amount 200.000 Range 62 - 128 Recovery = 98.95%				
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	10401405	221.4672497	ppb
Spiked Amount 200.000 Range 55 - 122 Recovery = 110.73%				
Target Compounds				
2) H,M TPHG C5 - C12	5.70	224918337	5.5217359	ppm
3) H,M TPHG C6 - C12	5.70	204945265	5.7968393	ppm
4) h,m TPHGAK C6 to C10	5.70	176848581	5.8255666	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	186283057	5.8603549	ppm
10) T,M Methyl Tert-Butyl Ether	4.46	8206833	148.0910066	ppb
11) T,M benzene	5.93	13004608	78.4816203	ppb
12) T,M toluene	7.73	76405124	486.3571216	ppb
13) T,M ethylbenzene	9.29	15519742	110.6400495	ppb
14) T,M m&p-xylene	9.49	60010428	384.9542421	ppb
15) T,M o-xylene	9.90	21507550	156.7410051	ppb
16) T,M 1,3,5-Trimethylbenzene	11.09	8777573	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	23457376	NoCal	ppb
18) T,M Naphthalene	14.59	266391	NoCal	ppb

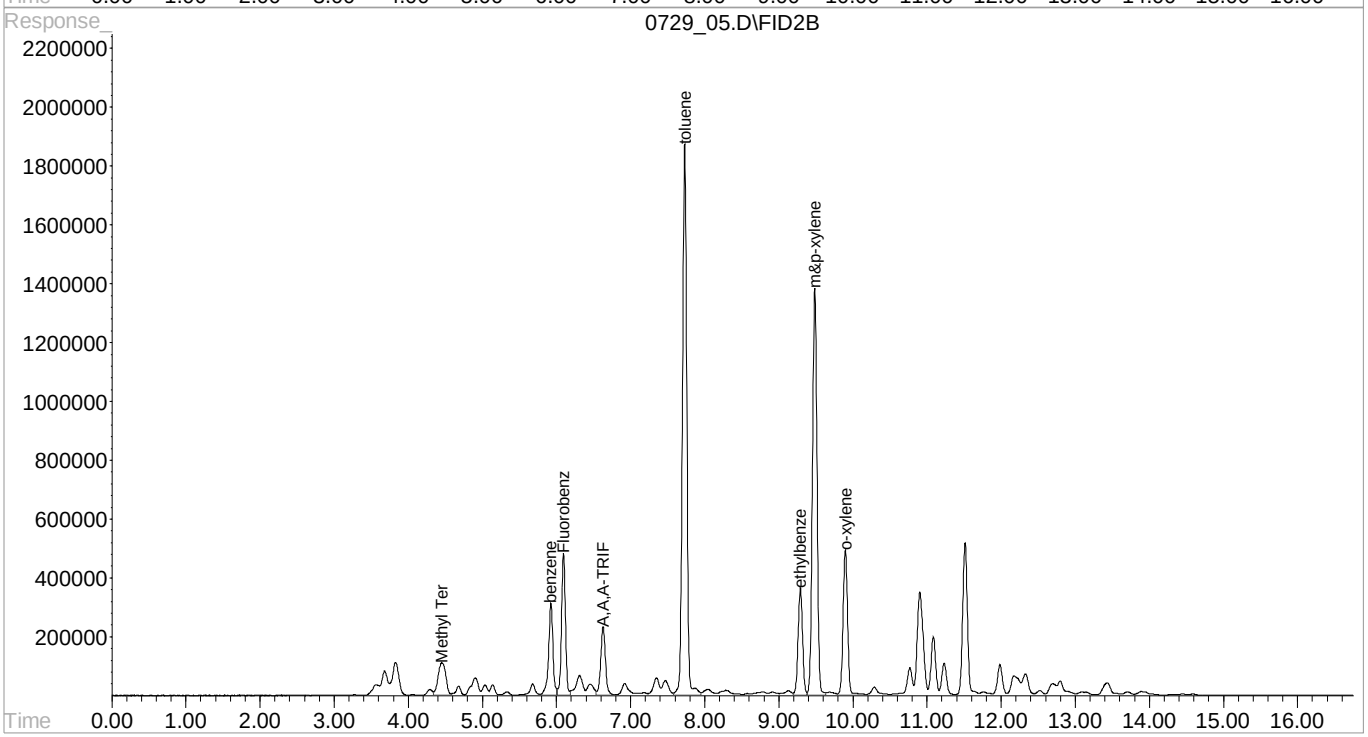
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 05.D\FID1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 05.D\FID2B.CH
Acq On : 30 Jul 2014 1:15 am Operator: 621
Sample : LCSDGRO 1x WG734192 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 06.D\FID1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 06.D\FID2B.CH
Acq On : 30 Jul 2014 1:37 am Operator: 621
Sample : MSGRO 1x WG734192 L712424-05 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

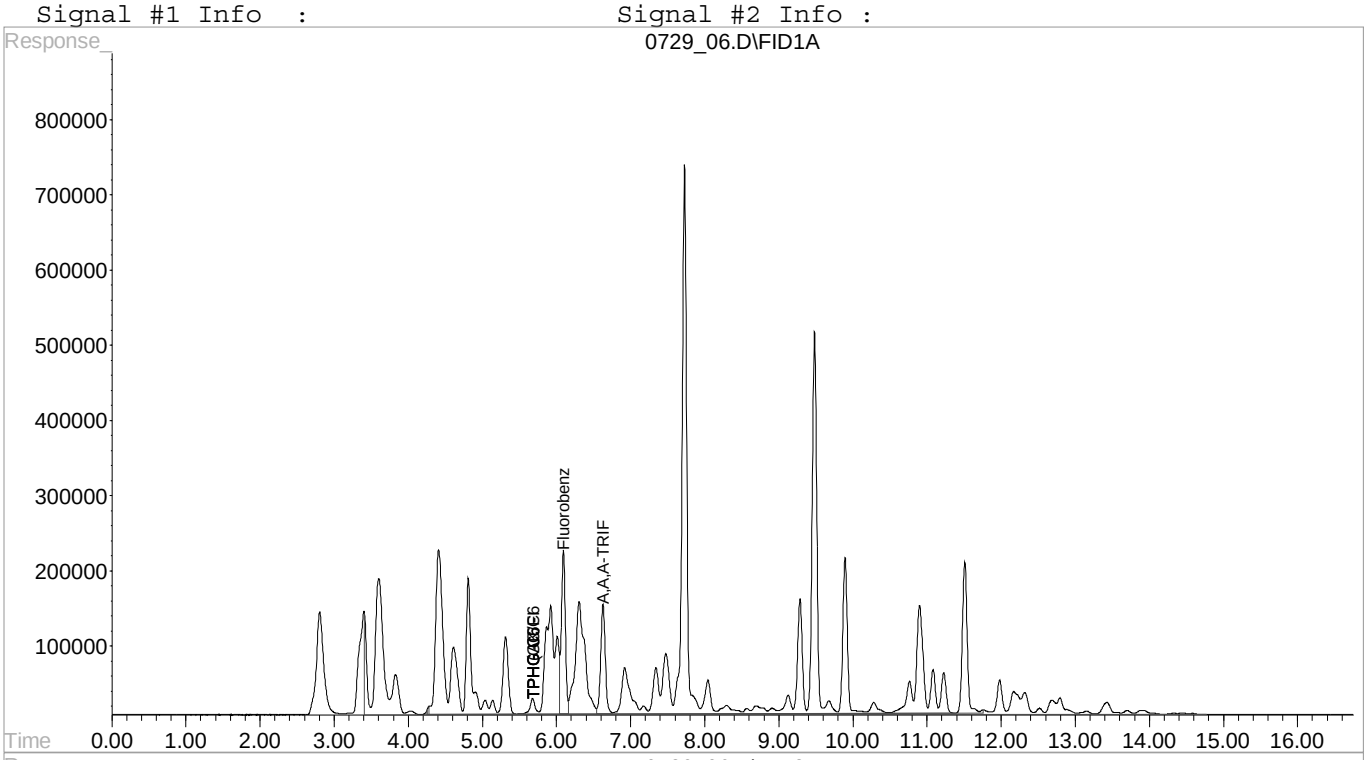
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.09	8285853	200.0000000	ppb
8) I Fluorobenzene #2	6.10	17699053	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	6210390	193.9312915	ppb
Spiked Amount 200.000 Range 62 - 128 Recovery = 96.97%				
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	10109649	219.4983227	ppb
Spiked Amount 200.000 Range 55 - 122 Recovery = 109.75%				
Target Compounds				
2) H,M TPHG C5 - C12	5.70	218533062	5.4707426	ppm
3) H,M TPHG C6 - C12	5.70	198992900	5.7395110	ppm
4) h,m TPHGAK C6 to C10	5.70	171828493	5.7717673	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	181029550	5.8073376	ppm
10) T,M Methyl Tert-Butyl Ether	4.46	8190119	150.7026534	ppb
11) T,M benzene	5.92	12467685	76.7245132	ppb
12) T,M toluene	7.73	73827099	479.2103869	ppb
13) T,M ethylbenzene	9.29	15012450	109.1332484	ppb
14) T,M m&p-xylene	9.48	58240107	380.9624507	ppb
15) T,M o-xylene	9.89	20768999	154.3422696	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	8533220	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	22862463	NoCal	ppb
18) T,M Naphthalene	14.58	270963	NoCal	ppb

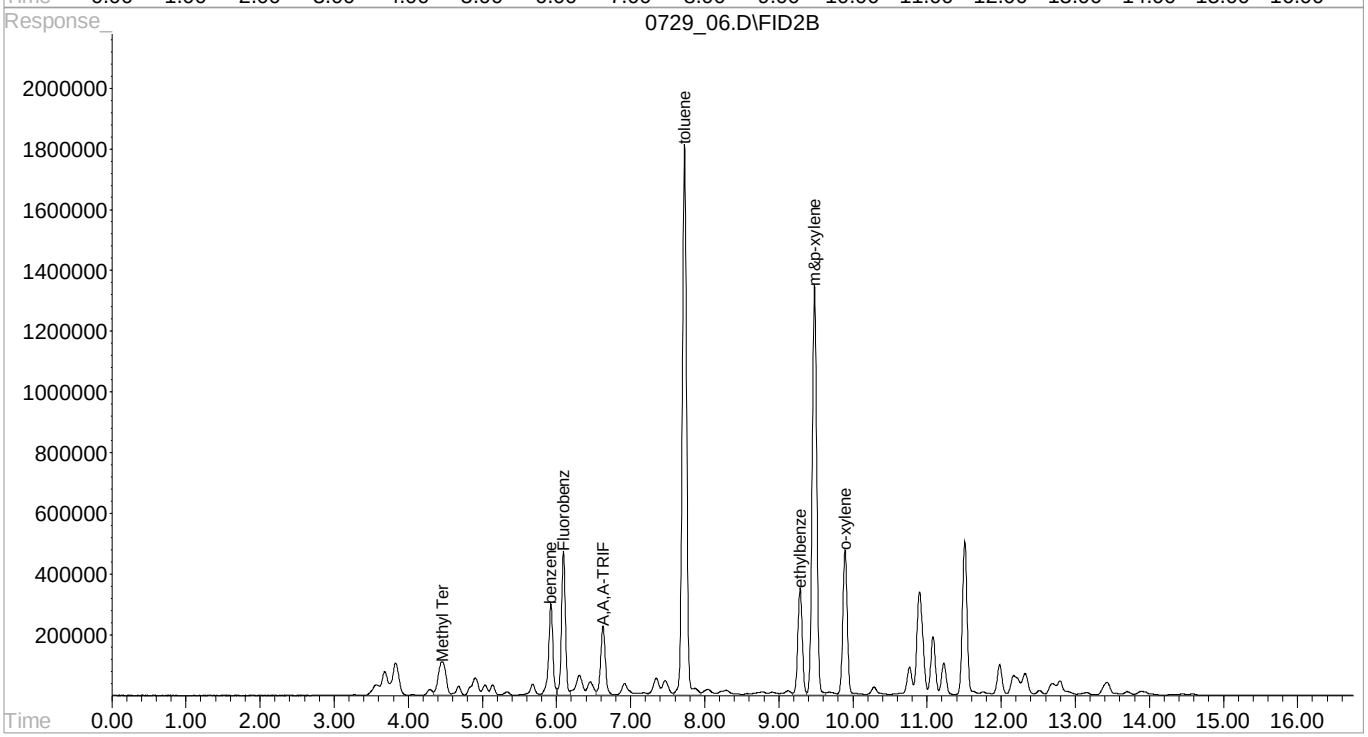
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 06.D\FID1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 06.D\FID2B.CH
Acq On : 30 Jul 2014 1:37 am Operator: 621
Sample : MSGRO 1x WG734192 L712424-05 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 07.D\FID1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 07.D\FID2B.CH
Acq On : 30 Jul 2014 2:00 am Operator: 621
Sample : MSDGRO 1x WG734192 L712424-05 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

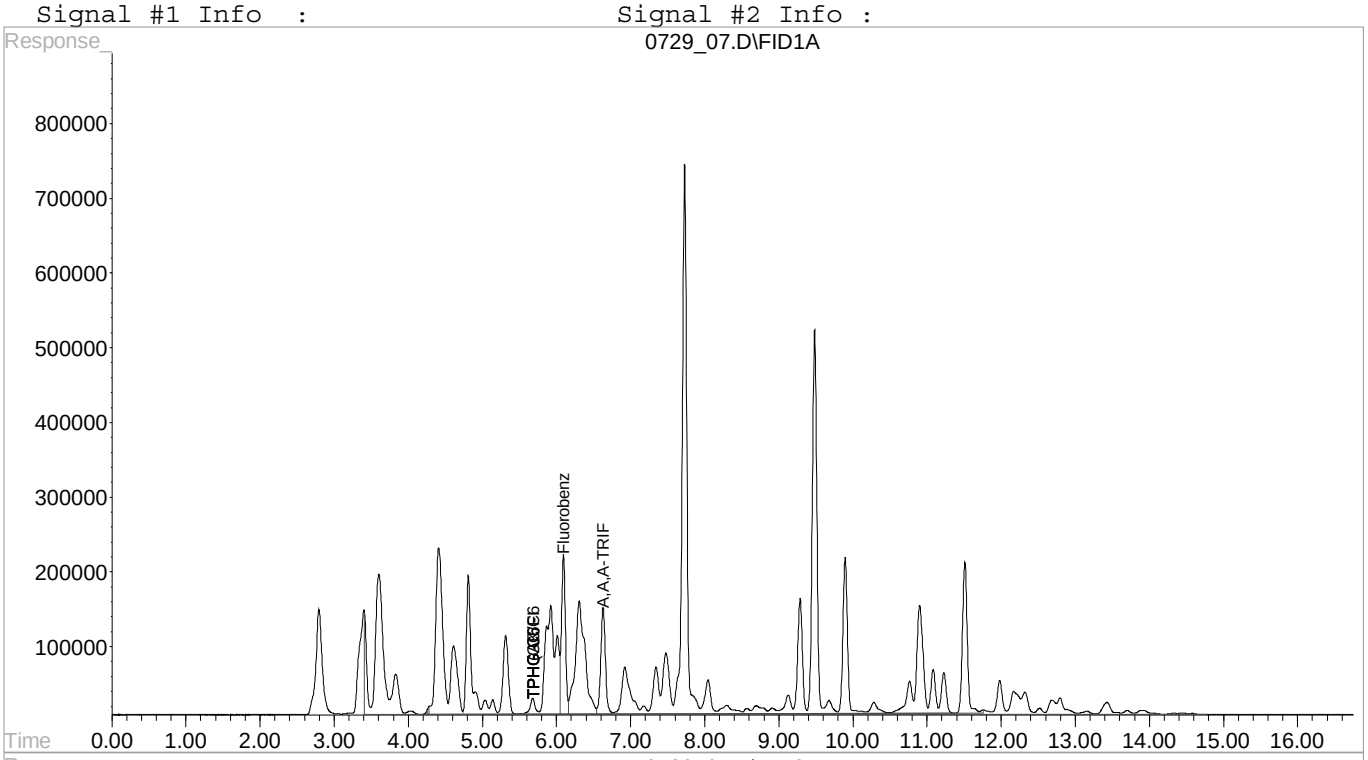
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	8169272	200.0000000	ppb
8) I Fluorobenzene #2	6.10	17205816	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	6246458	197.8411814	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 98.92%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	9886008	220.7958345	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 110.40%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	220505233	5.5986609	ppm
3) H,M TPHG C6 - C12	5.70	200845533	5.8752126	ppm
4) h,m TPHGAK C6 to C10	5.70	173592948	5.9140412	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	182852497	5.9493147	ppm
10) T,M Methyl Tert-Butyl Ether	4.46	8045743	152.2900833	ppb
11) T,M benzene	5.93	12518297	79.2443537	ppb
12) T,M toluene	7.73	72649503	485.0849851	ppb
13) T,M ethylbenzene	9.29	15007589	112.2254097	ppb
14) T,M m&p-xylene	9.48	58227587	391.7992210	ppb
15) T,M o-xylene	9.90	20742650	158.5653617	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	8526834	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	22792065	NoCal	ppb
18) T,M Naphthalene	14.59	269042	NoCal	ppb

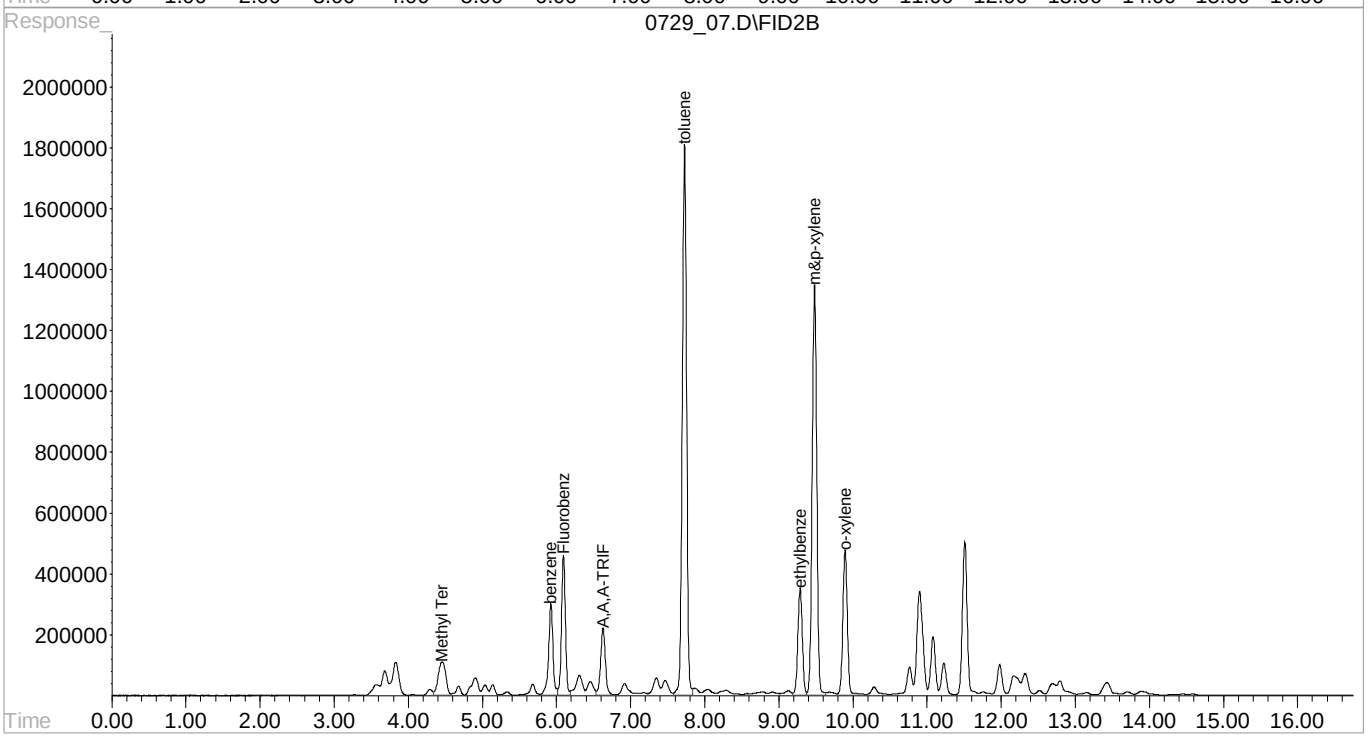
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 07.D\FID1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 07.D\FID2B.CH
Acq On : 30 Jul 2014 2:00 am Operator: 621
Sample : MSDGRO 1x WG734192 L712424-05 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 08.D\FID1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 08.D\FID2B.CH
Acq On : 30 Jul 2014 2:22 am Operator: 621
Sample : MSGRO 1x WG734192 L711879-08 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

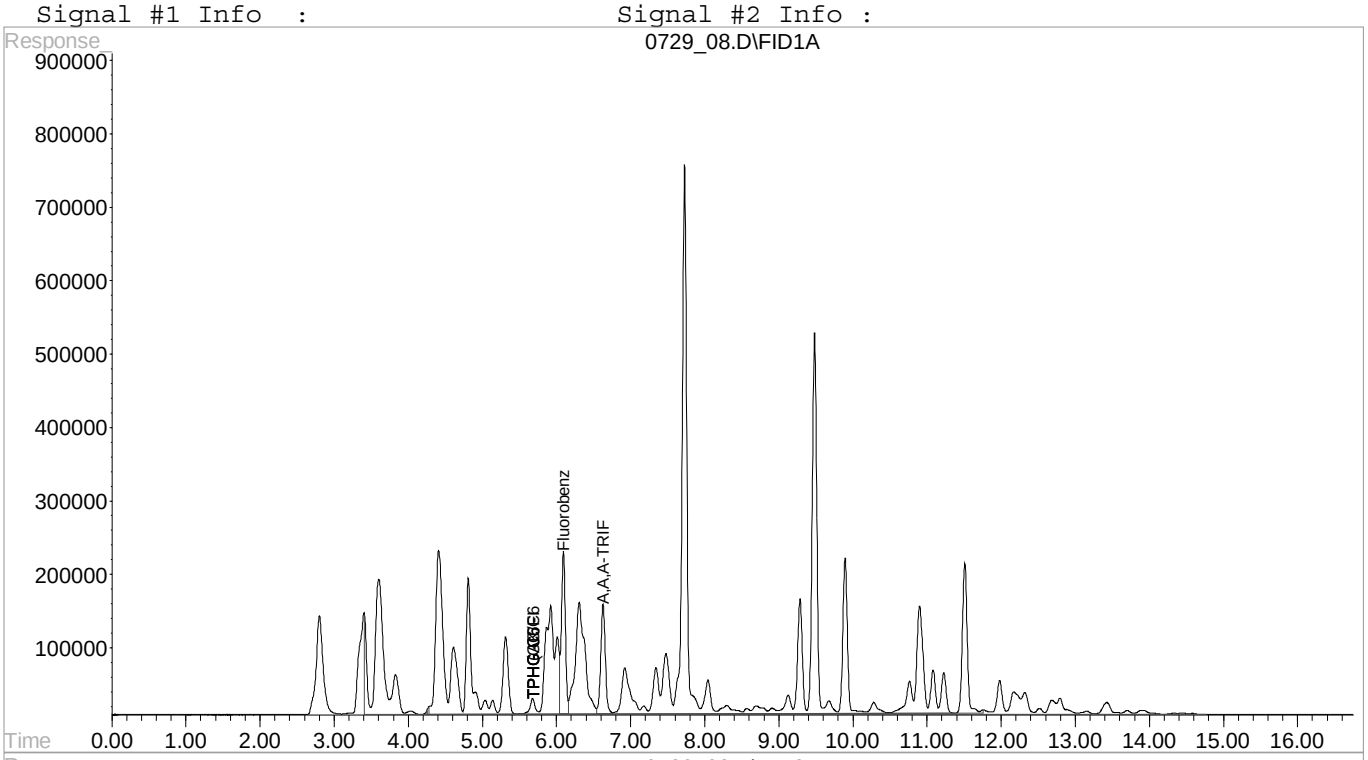
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	8438877	200.0000000	ppb
8) I Fluorobenzene #2	6.09	17774754	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	6346643	194.5922996	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 97.30%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	10219563	220.9397749	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 110.47%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	223009514	5.4815524	ppm
3) H,M TPHG C6 - C12	5.70	203143272	5.7529332	ppm
4) h,m TPHGAK C6 to C10	5.70	175506181	5.7883771	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	184874379	5.8231122	ppm
10) T,M Methyl Tert-Butyl Ether	4.46	8166084	149.6204484	ppb
11) T,M benzene	5.92	12670528	77.6407045	ppb
12) T,M toluene	7.73	73598001	475.6887425	ppb
13) T,M ethylbenzene	9.29	15191033	109.9611399	ppb
14) T,M m&p-xylene	9.48	58964384	384.0574620	ppb
15) T,M o-xylene	9.89	21032093	155.6317697	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	8617591	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	23069941	NoCal	ppb
18) T,M Naphthalene	14.58	265166	NoCal	ppb

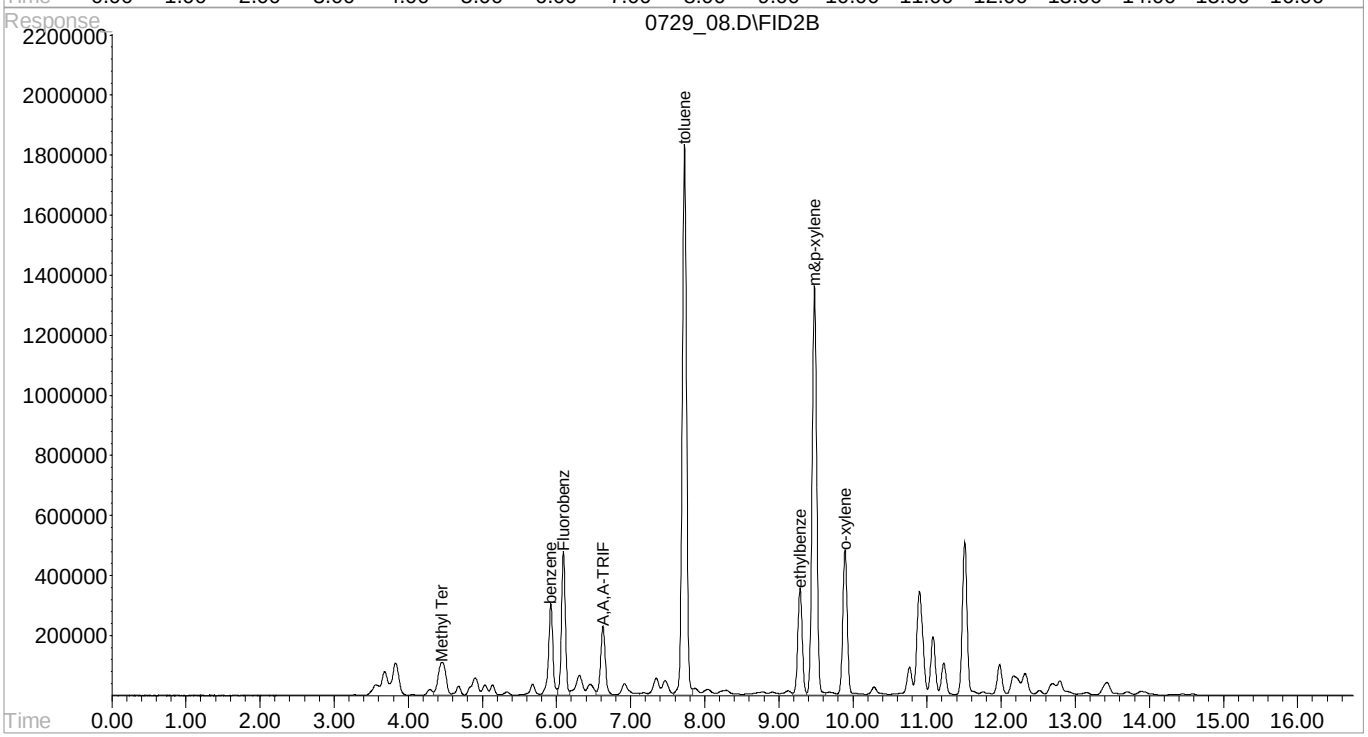
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 08.D\FID1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 08.D\FID2B.CH
Acq On : 30 Jul 2014 2:22 am Operator: 621
Sample : MSGRO 1x WG734192 L711879-08 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 09.D\FID1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 09.D\FID2B.CH
Acq On : 30 Jul 2014 2:44 am Operator: 621
Sample : MSDGRO 1x WG734192 L711879-08 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

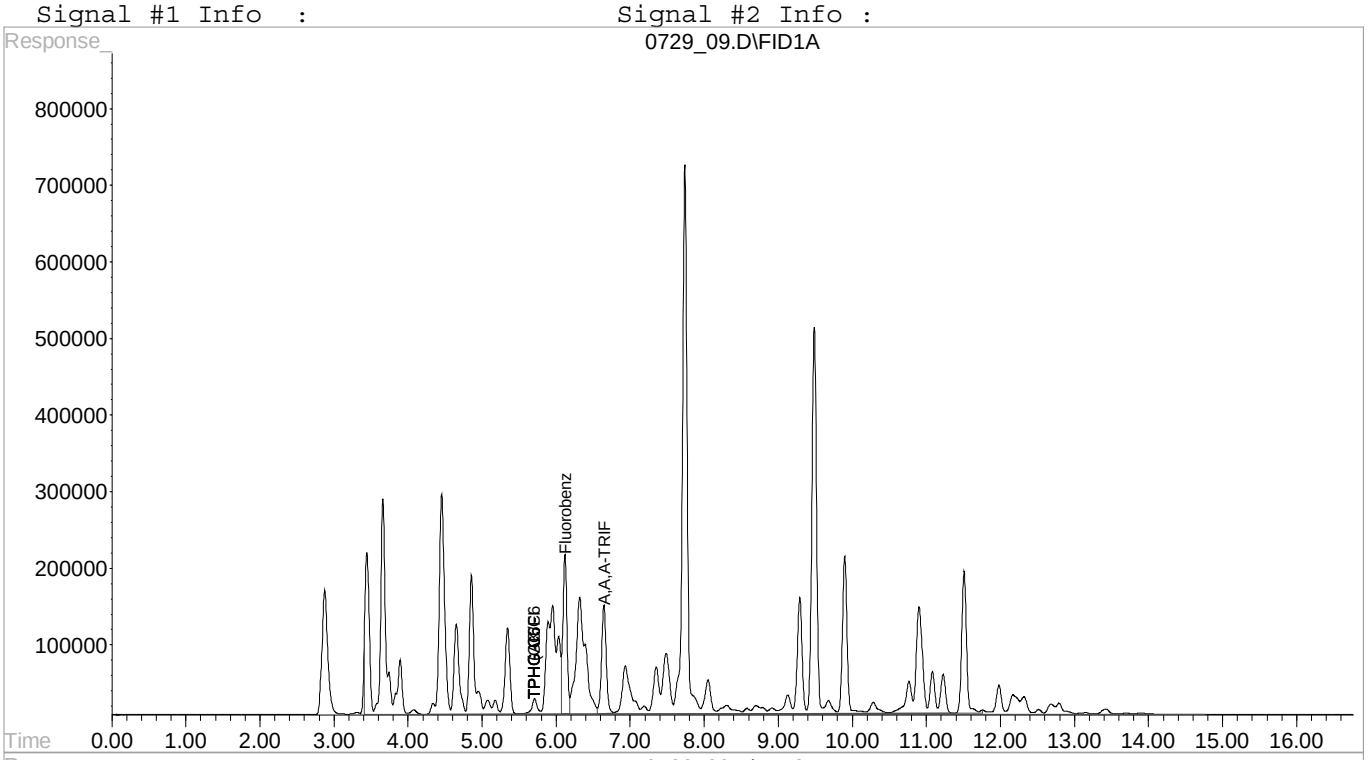
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	8159303	200.0000000	ppb
8) I Fluorobenzene #2	6.12	17465940	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	6218525	197.1971152	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 98.60%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	10034660	220.7780378	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 110.39%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	220101758	5.5952506	ppm
3) H,M TPHG C6 - C12	5.70	194588863	5.6996540	ppm
4) h,m TPHGAK C6 to C10	5.70	172223957	5.8746268	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	180877582	5.8923319	ppm
10) T,M Methyl Tert-Butyl Ether	4.49	7915672	147.5966744	ppb
11) T,M benzene	5.95	12465449	77.7345882	ppb
12) T,M toluene	7.74	73700880	484.7760472	ppb
13) T,M ethylbenzene	9.29	14937191	110.0354171	ppb
14) T,M m&p-xylene	9.49	57969827	384.2554846	ppb
15) T,M o-xylene	9.90	20574571	154.9380769	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	8051077	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	21121679	NoCal	ppb
18) T,M Naphthalene	14.58	24398	NoCal	ppb

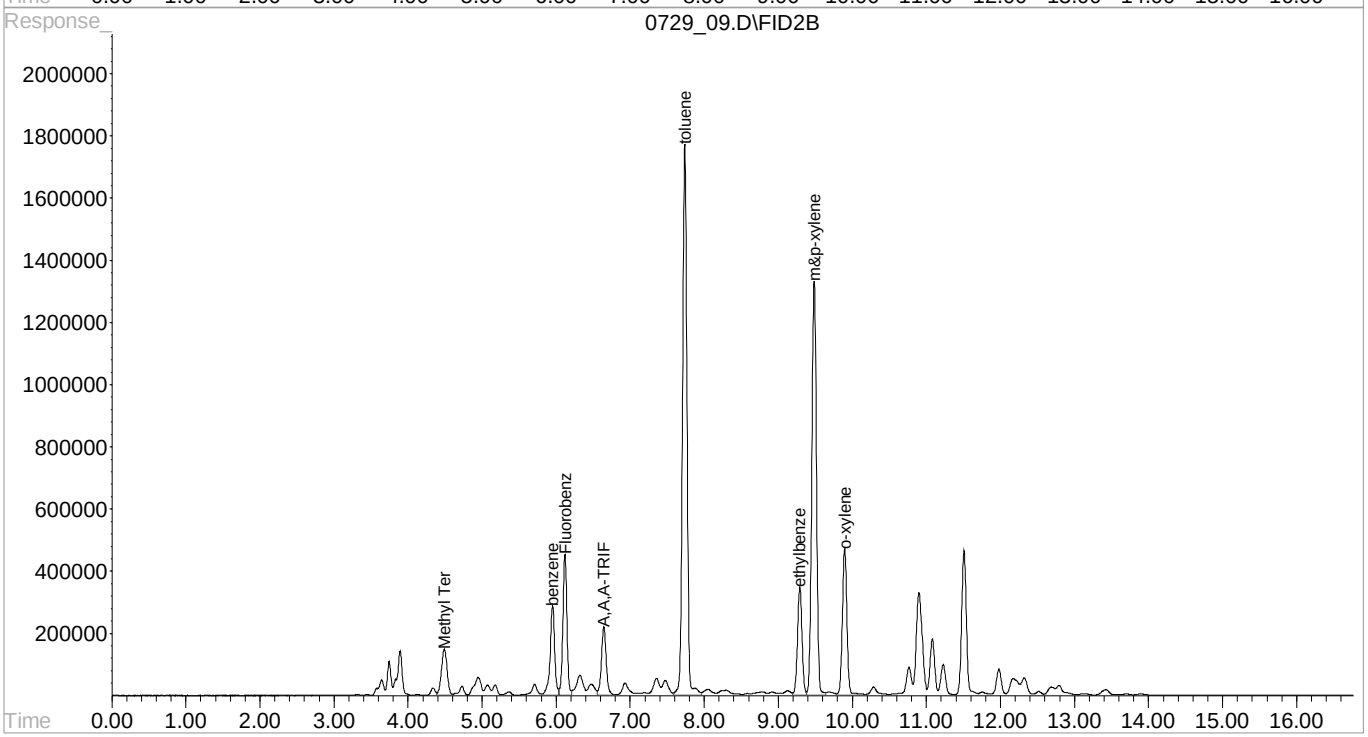
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 09.D\FID1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 09.D\FID2B.CH
Acq On : 30 Jul 2014 2:44 am Operator: 621
Sample : MSDGRO 1x WG734192 L711879-08 Inst : VOCGC1
Misc : water SURIS14F10114 spk14G31085 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 11.D\FID1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 11.D\FID2B.CH
Acq On : 30 Jul 2014 3:28 am Operator: 621
Sample : BLANK 1x WG734192 Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

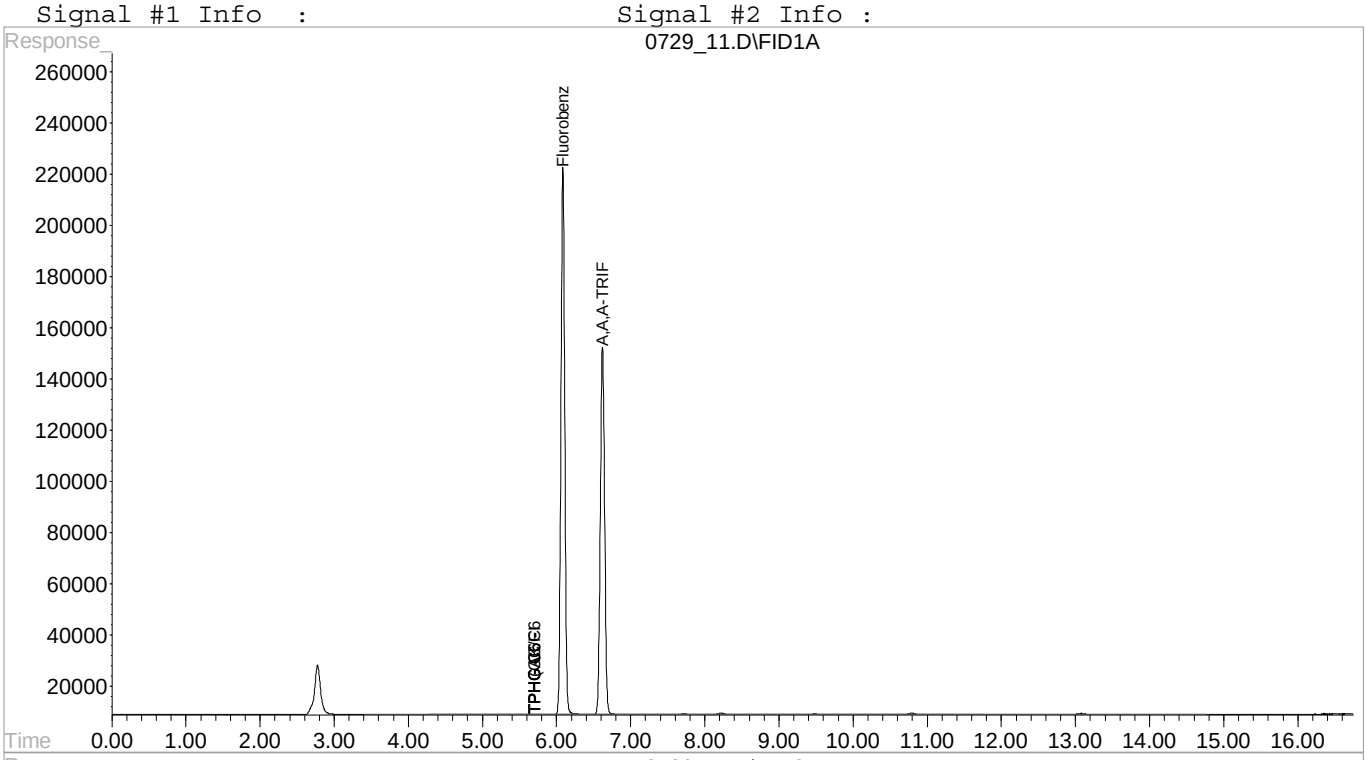
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.09	7680912	200.0000000	ppb
8) I Fluorobenzene #2	6.09	16674518	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.62	5755481	193.8809133	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.94%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.62	8821182	203.2912461	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 101.65%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	589757	0.0256618	ppm
3) H,M TPHG C6 - C12	5.70	562697	0.0344462	ppm
4) h,m TPHGAK C6 to C10	5.70	391404	0.0225732	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	412225	0.0228803	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb
11) T,M benzene	5.92	10889	0.0711289	ppb
12) T,M toluene	7.72	45065	0.3104900	ppb
13) T,M ethylbenzene	9.29	12608	0.0972838	ppb
14) T,M m&p-xylene	9.48	36441	0.2530164	ppb
15) T,M o-xylene	9.89	15232	0.1201481	ppb
16) T,M 1,3,5-Trimethylbenzene	11.09	12058	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	20720	NoCal	ppb
18) T,M Naphthalene	14.62f	5464	NoCal	ppb

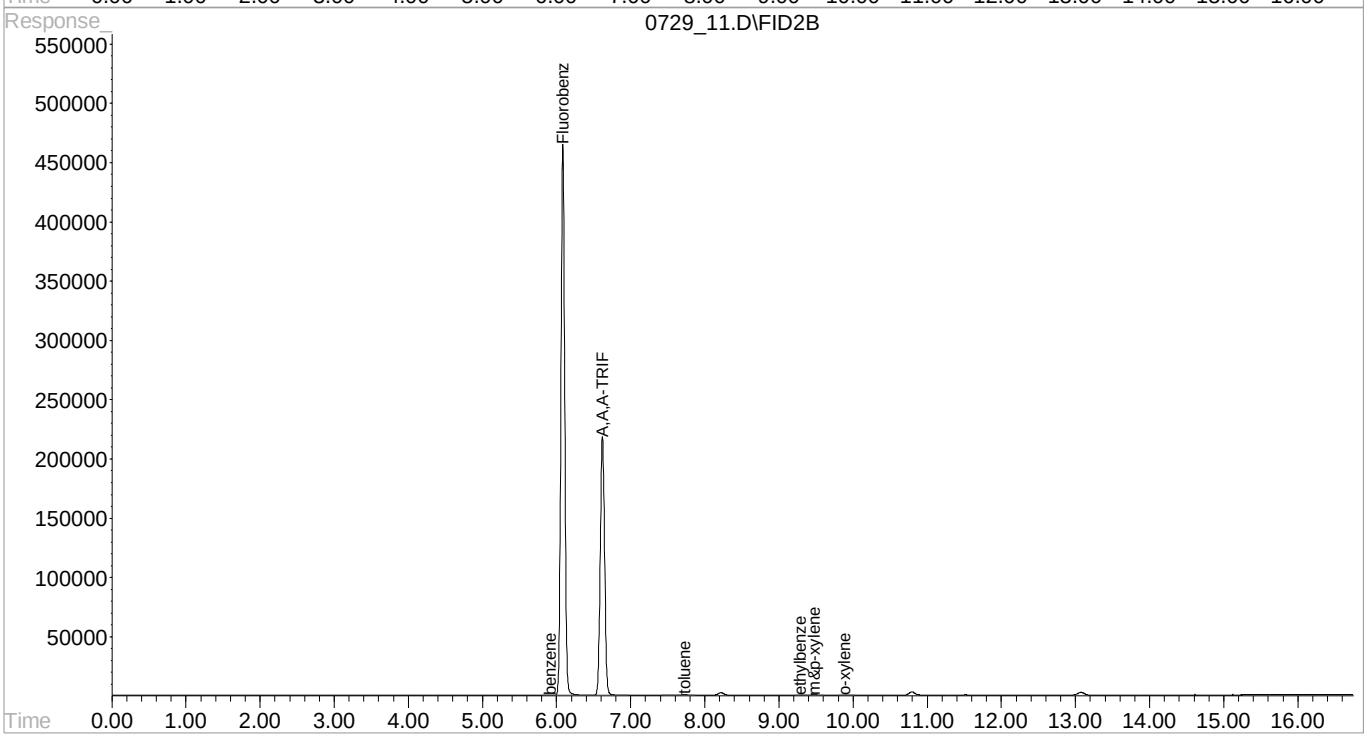
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 11.D\FID1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 11.D\FID2B.CH
Acq On : 30 Jul 2014 3:28 am Operator: 621
Sample : BLANK 1x WG734192 Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 13.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 13.D\FID2B.CH
Acq On : 30 Jul 2014 4:12 am Operator: 621
Sample : L712424-01 1x WG734192 GRO fb Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

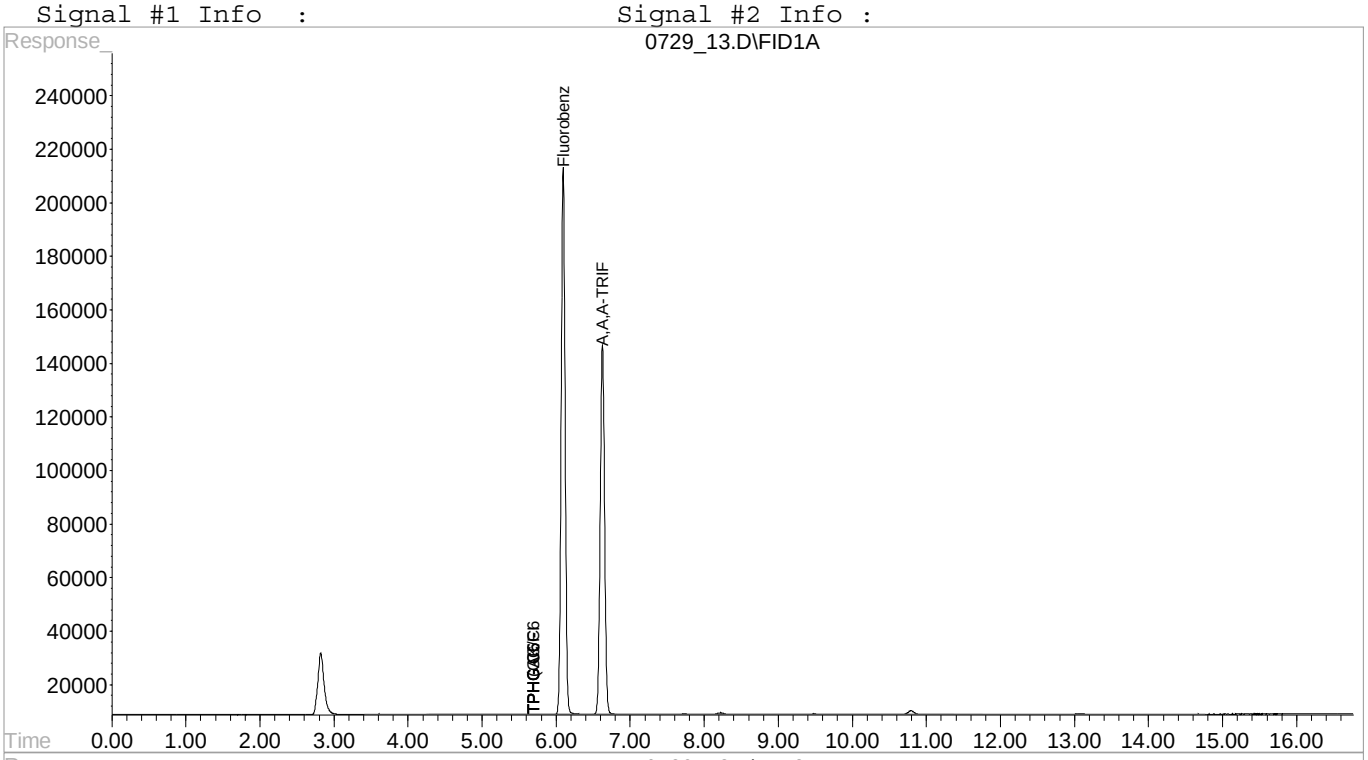
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7600902	200.0000000	ppb
8) I Fluorobenzene #2	6.10	16814524	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5664086	192.8106150	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.41%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8858519	202.4518336	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 101.23%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	752552	0.0302639	ppm
3) H,M TPHG C6 - C12	5.70	729586	0.0398617	ppm
4) h,m TPHGAK C6 to C10	5.70	466451	0.0254663	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	492928	0.0258482	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb
11) T,M benzene	5.94	11732	0.0759958	ppb
12) T,M toluene	7.73	30742	0.2100414	ppb
13) T,M ethylbenzene	9.30	6672	0.0510555	ppb
14) T,M m&p-xylene	9.49	22697	0.1562769	ppb
15) T,M o-xylene	9.91	12017	0.0939976	ppb
16) T,M 1,3,5-Trimethylbenzene	11.07	9366	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.50	8472	NoCal	ppb
18) T,M Naphthalene	14.51	3132	NoCal	ppb

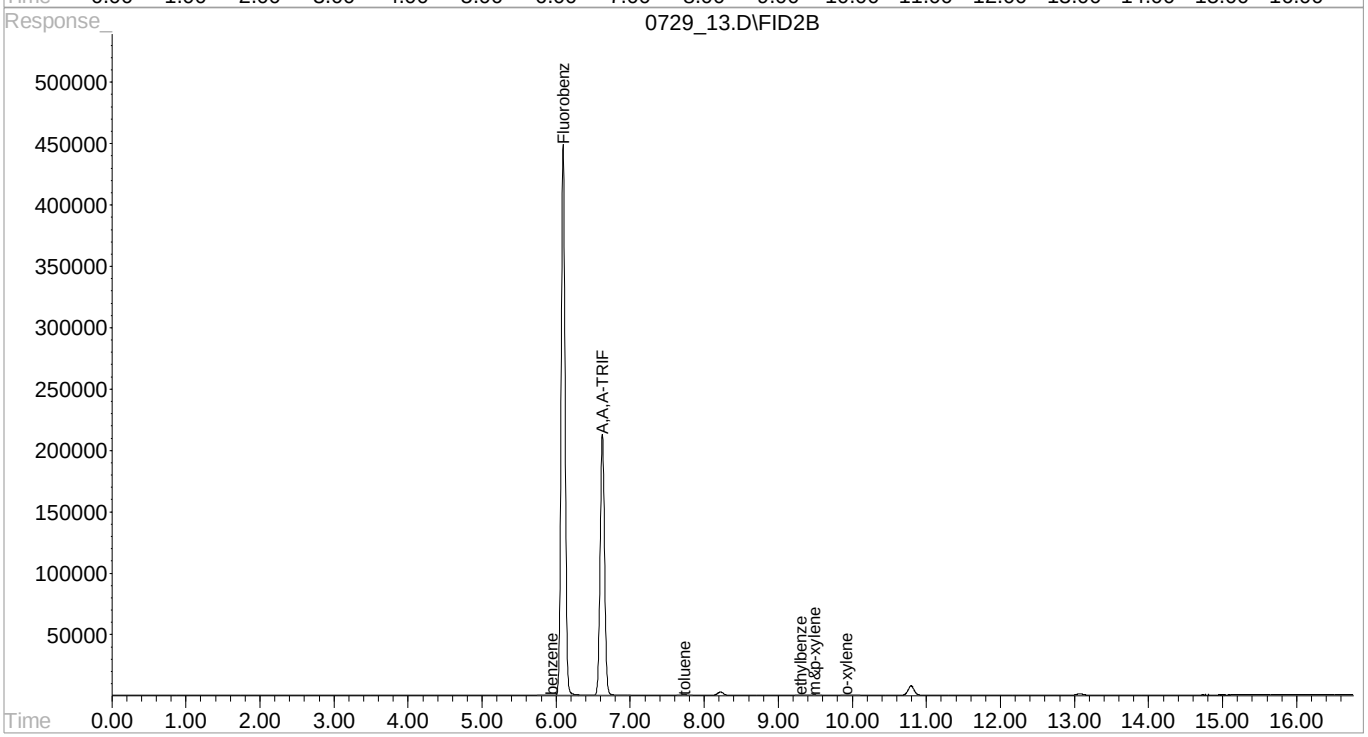
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 13.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 13.D\FID2B.CH
Acq On : 30 Jul 2014 4:12 am Operator: 621
Sample : L712424-01 1x WG734192 GRO fb Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 13.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 13.D\FID2B.CH
Acq On : 30 Jul 2014 4:12 am Operator: 621
Sample : L712424-01 1x WG734192 GRO fb Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7600902	200.0000000	ppb
8) I Fluorobenzene #2	6.10	16814524	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5664086	192.8106150	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.41%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8858519	202.4518336	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 101.23%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	752552	0.0302639	ppm
3) H,M TPHG C6 - C12	5.70	729586	0.0398617	ppm
4) h,m TPHGAK C6 to C10	5.70	466451	0.0254663	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	492928	0.0258482	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb
11) T,M benzene	5.94	11732	0.0759958	ppb
12) T,M toluene	7.73	30742	0.2100414	ppb
13) T,M ethylbenzene	9.30	6672	0.0510555	ppb
14) T,M m&p-xylene	9.49	22697	0.1562769	ppb
15) T,M o-xylene	9.91	12017	0.0939976	ppb
16) T,M 1,3,5-Trimethylbenzene	11.07	9366	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.50	8472	NoCal	ppb
18) T,M Naphthalene	14.51	3132	NoCal	ppb

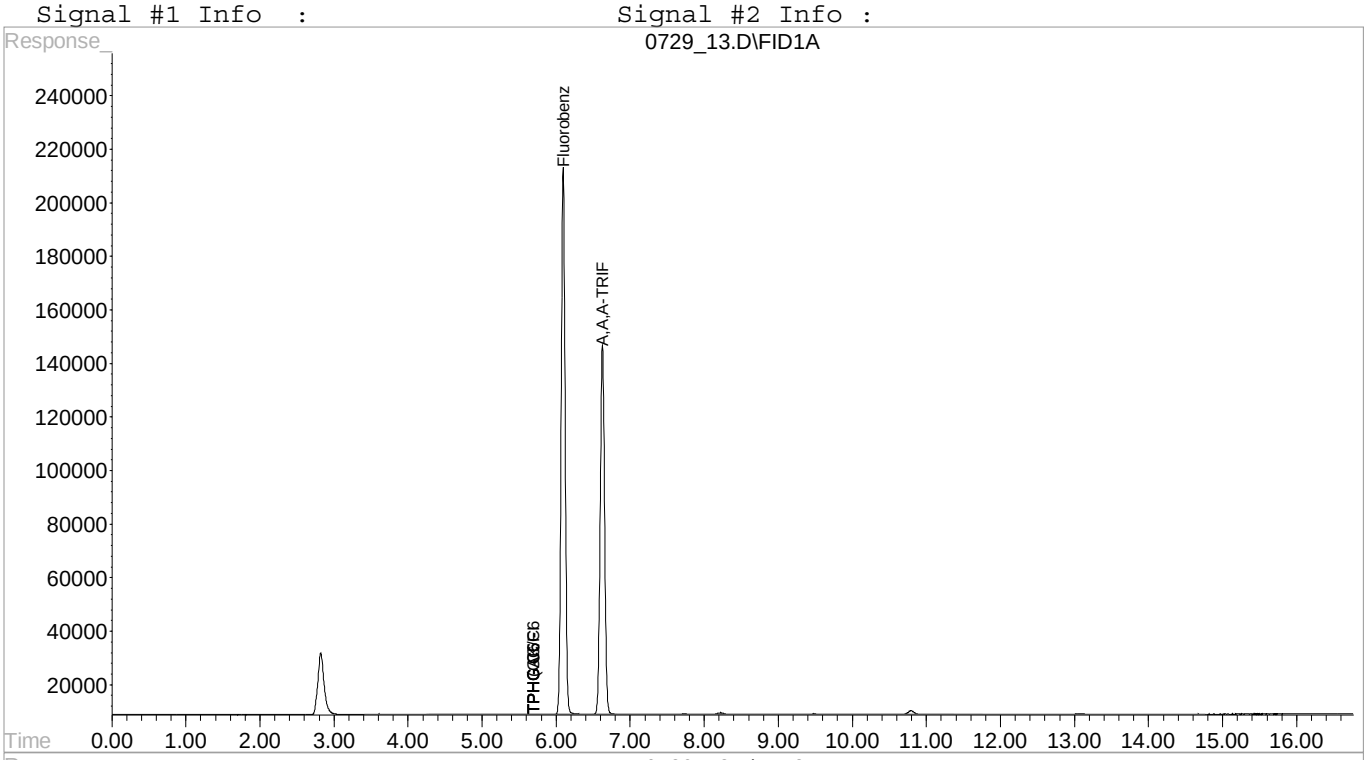
(f)=RT Delta > 1/2 Window (m)=manual int.

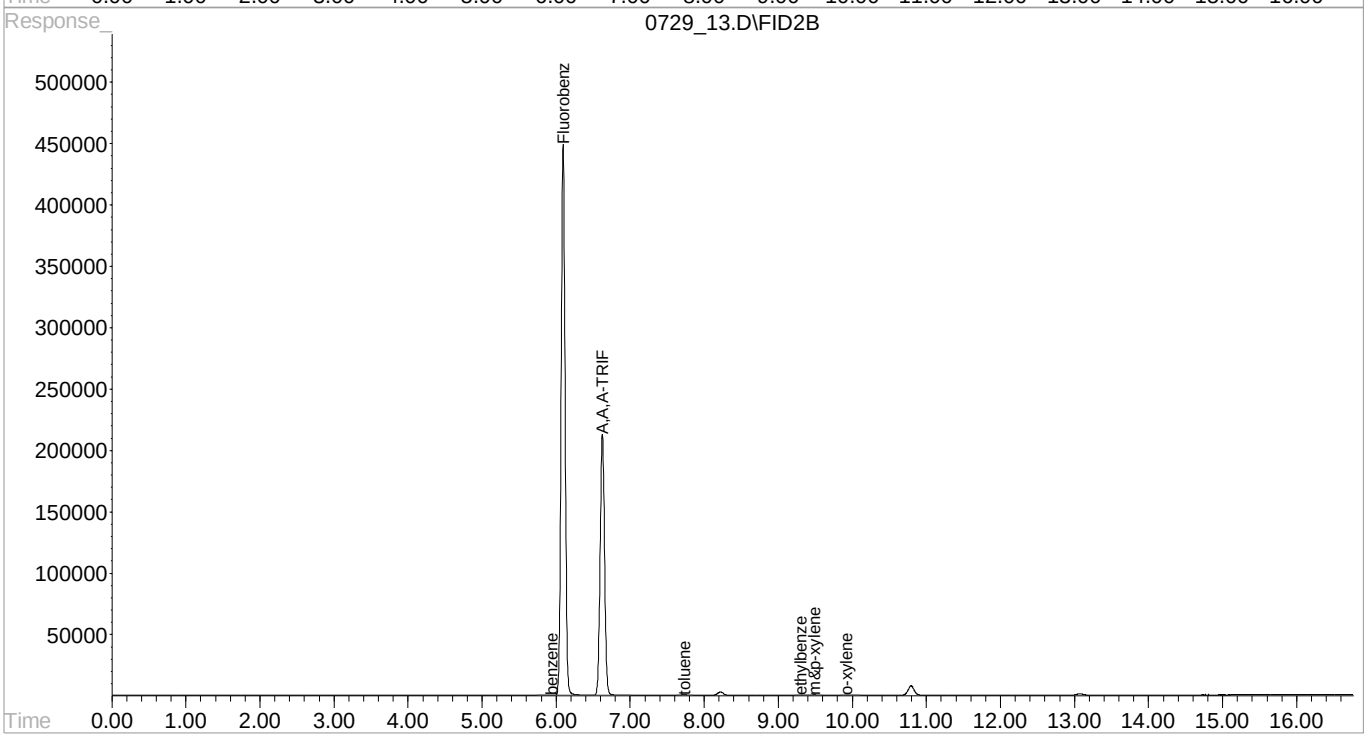
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 13.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 13.D\FID2B.CH
Acq On : 30 Jul 2014 4:12 am Operator: 621
Sample : L712424-01 1x WG734192 GRO fb Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 14.D\FID1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 14.D\FID2B.CH
Acq On : 30 Jul 2014 4:34 am Operator: 621
Sample : L712424-08 1x WG734192 GRO tb Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

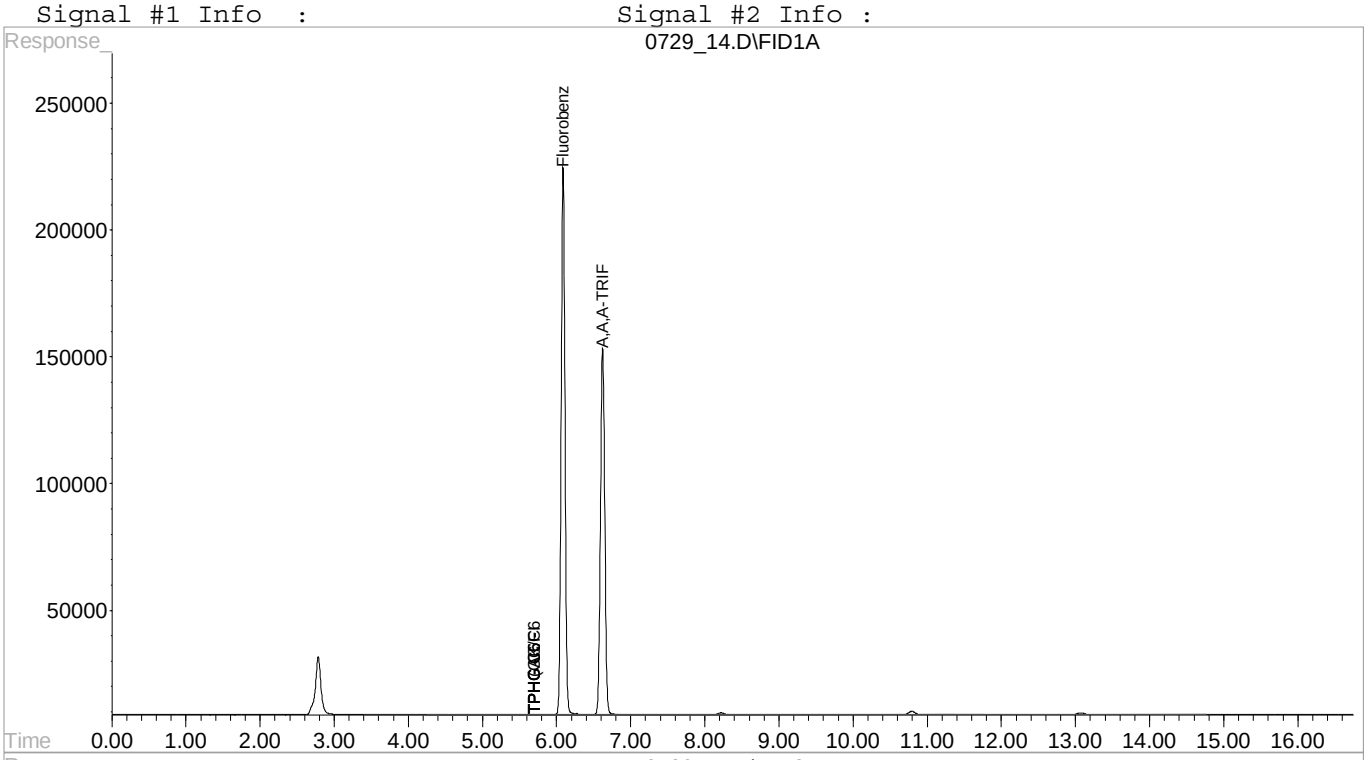
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.09	7770563	200.0000000	ppb
8) I Fluorobenzene #2	6.09	17159142	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.62	5783106	192.5639008	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.28%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.62	9008143	201.7366766	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.87%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	640410	0.0268281	ppm
3) H,M TPHG C6 - C12	5.70	613426	0.0358003	ppm
4) h,m TPHGAK C6 to C10	5.70	424297	0.0235862	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	447848	0.0239326	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb
11) T,M benzene	5.92	16005	0.1015912	ppb
12) T,M toluene	7.72	34027	0.2278204	ppb
13) T,M ethylbenzene	9.27	8943	0.0670605	ppb
14) T,M m&p-xylene	9.48	23158	0.1562508	ppb
15) T,M o-xylene	9.89	15833	0.1213632	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	4429	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	7825	NoCal	ppb
18) T,M Naphthalene	14.51	3890	NoCal	ppb

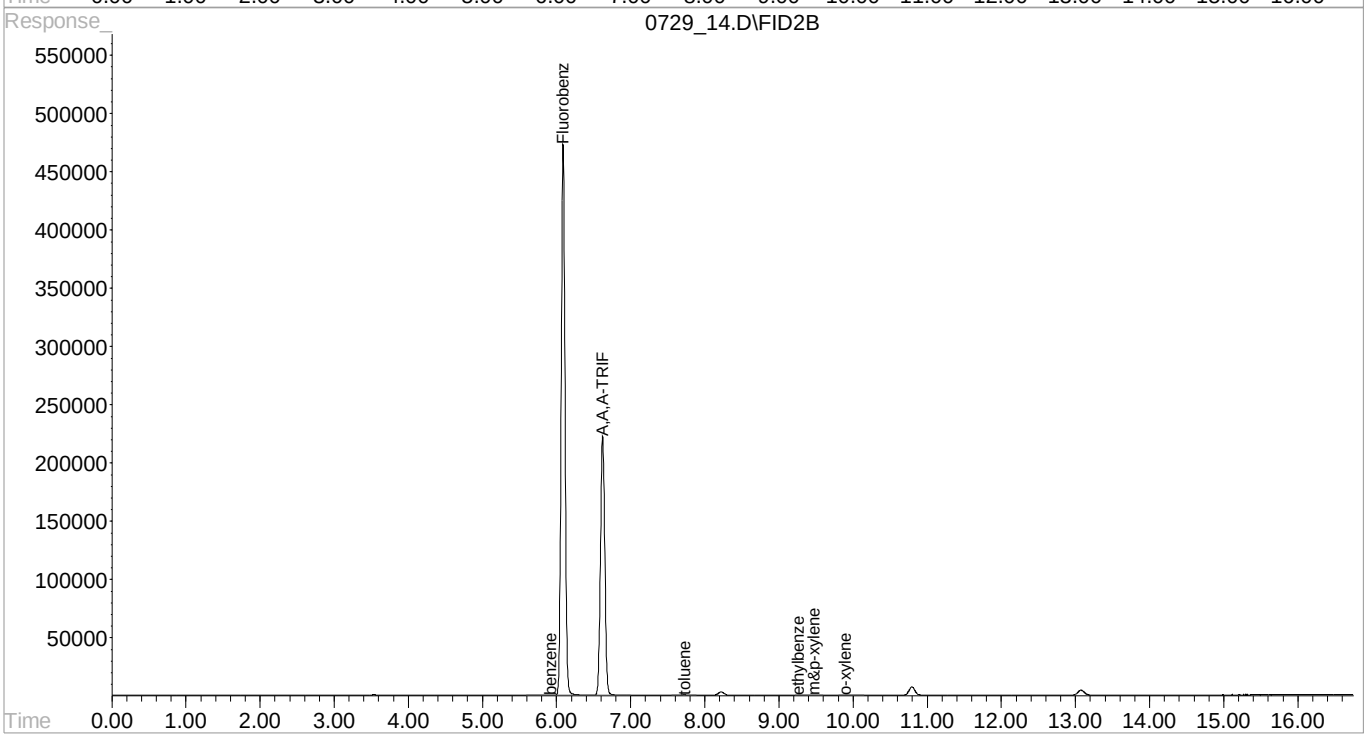
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 14.D\FID1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 14.D\FID2B.CH
Acq On : 30 Jul 2014 4:34 am Operator: 621
Sample : L712424-08 1x WG734192 GRO tb Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 14.D\FID1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 14.D\FID2B.CH
Acq On : 30 Jul 2014 4:34 am Operator: 621
Sample : L712424-08 1x WG734192 GRO tb Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

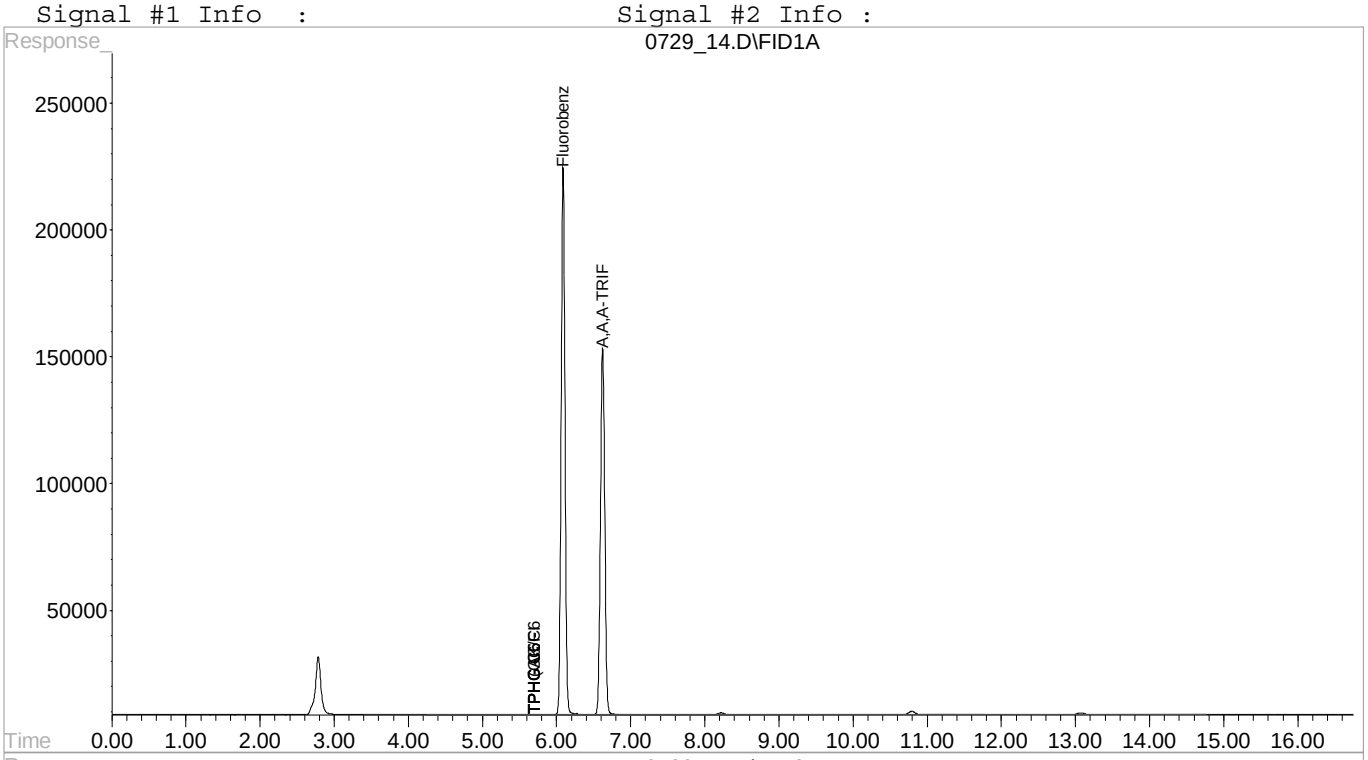
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.09	7770563	200.0000000	ppb
8) I Fluorobenzene #2	6.09	17159142	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.62	5783106	192.5639008	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.28%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.62	9008143	201.7366766	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.87%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	640410	0.0268281	ppm
3) H,M TPHG C6 - C12	5.70	613426	0.0358003	ppm
4) h,m TPHGAK C6 to C10	5.70	424297	0.0235862	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	447848	0.0239326	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb
11) T,M benzene	5.92	16005	0.1015912	ppb
12) T,M toluene	7.72	34027	0.2278204	ppb
13) T,M ethylbenzene	9.27	8943	0.0670605	ppb
14) T,M m&p-xylene	9.48	23158	0.1562508	ppb
15) T,M o-xylene	9.89	15833	0.1213632	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	4429	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	7825	NoCal	ppb
18) T,M Naphthalene	14.51	3890	NoCal	ppb

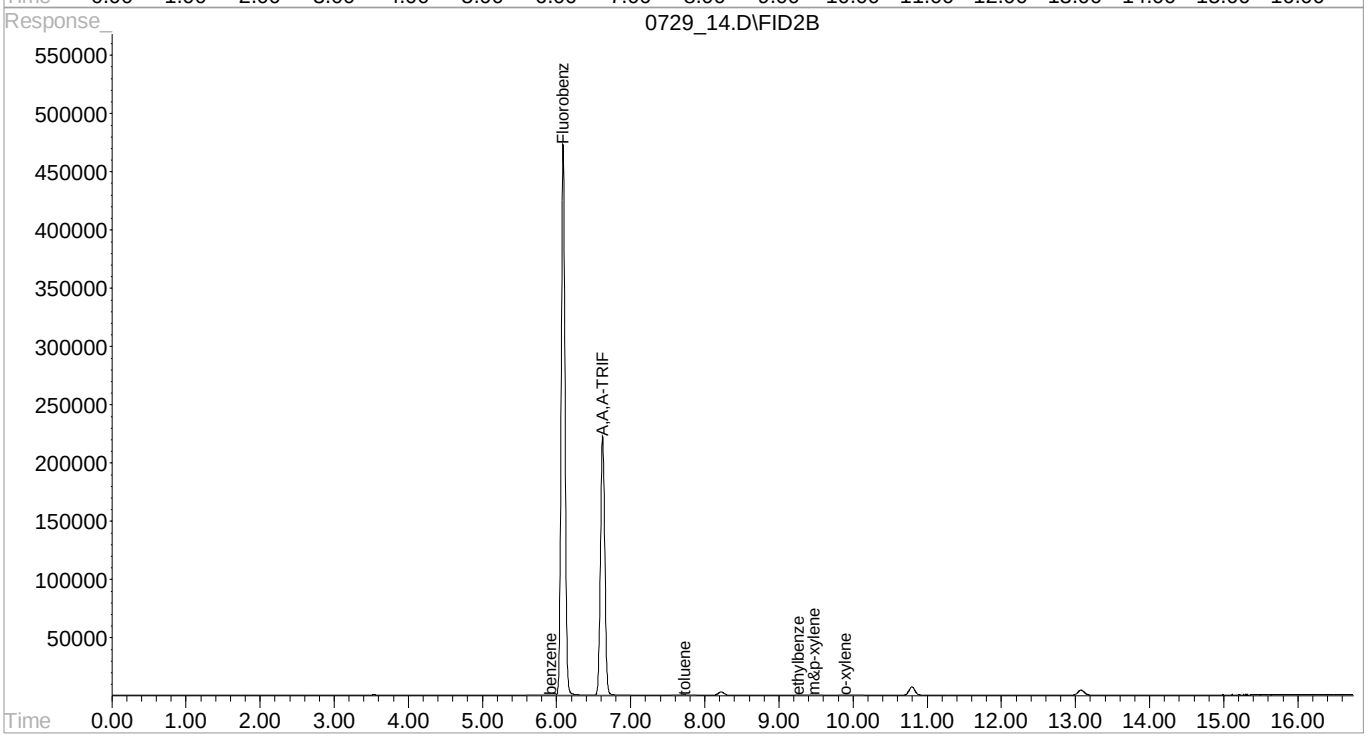
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 14.D\FID1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 14.D\FID2B.CH
Acq On : 30 Jul 2014 4:34 am Operator: 621
Sample : L712424-08 1x WG734192 GRO tb Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 16.D\FID1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 16.D\FID2B.CH
Acq On : 30 Jul 2014 5:18 am Operator: 621
Sample : L712424-05 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

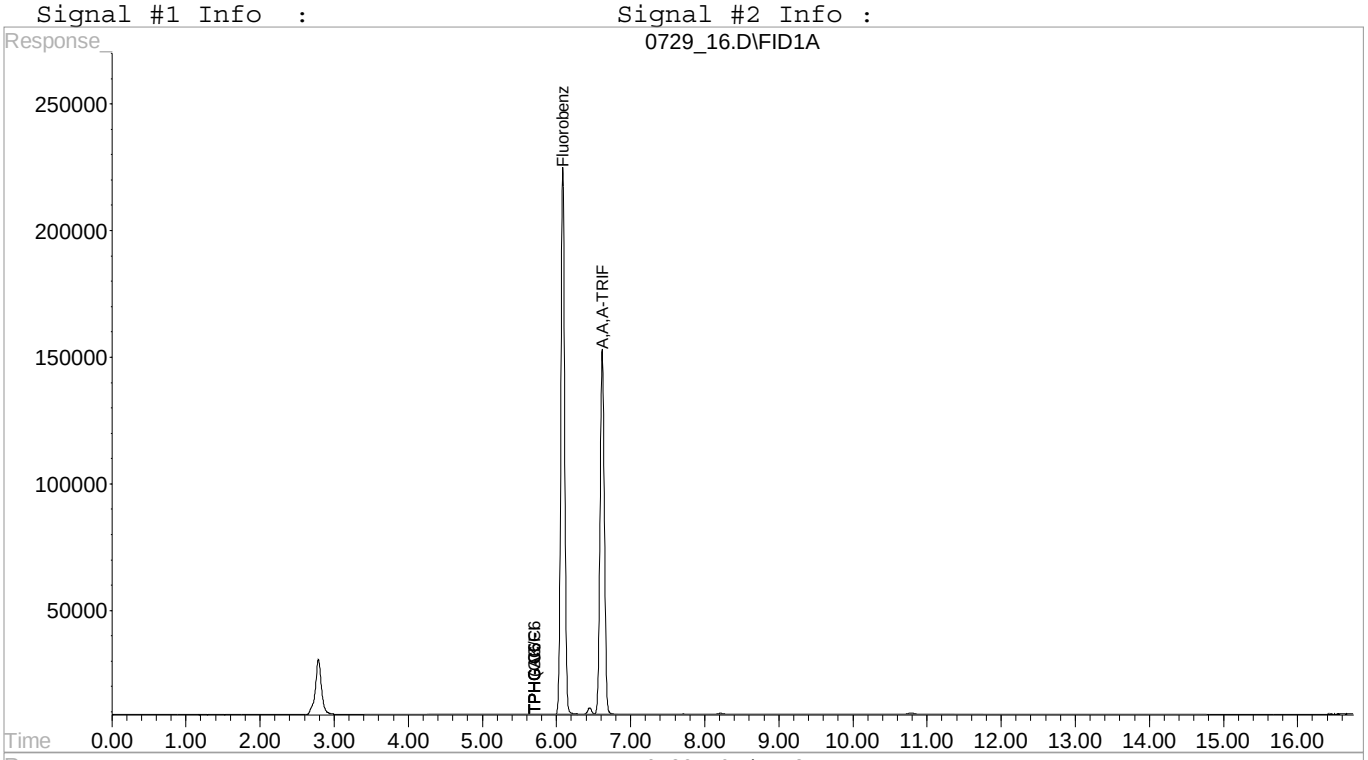
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.09	7756326	200.0000000	ppb
8) I Fluorobenzene #2	6.08	17239867	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.62	5764930	192.3110147	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.16%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.62	9046738	201.6523416	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.83%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	767547	0.0302534	ppm
3) H,M TPHG C6 - C12	5.70	743094	0.0398184	ppm
4) h,m TPHGAK C6 to C10	5.70	504302	0.0264808	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	527422	0.0266836	ppm
10) T,M Methyl Tert-Butyl Ether	4.45	14584	0.2754980	ppb
11) T,M benzene	5.92	12798	0.0808535	ppb
12) T,M toluene	7.71	24250	0.1615976	ppb
13) T,M ethylbenzene	9.29	6402	0.0477783	ppb
14) T,M m&p-xylene	9.48	22069	0.1482070	ppb
15) T,M o-xylene	9.90	12586	0.0960242	ppb
16) T,M 1,3,5-Trimethylbenzene	11.09	3616	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.50	5453	NoCal	ppb
18) T,M Naphthalene	14.48f	2814	NoCal	ppb

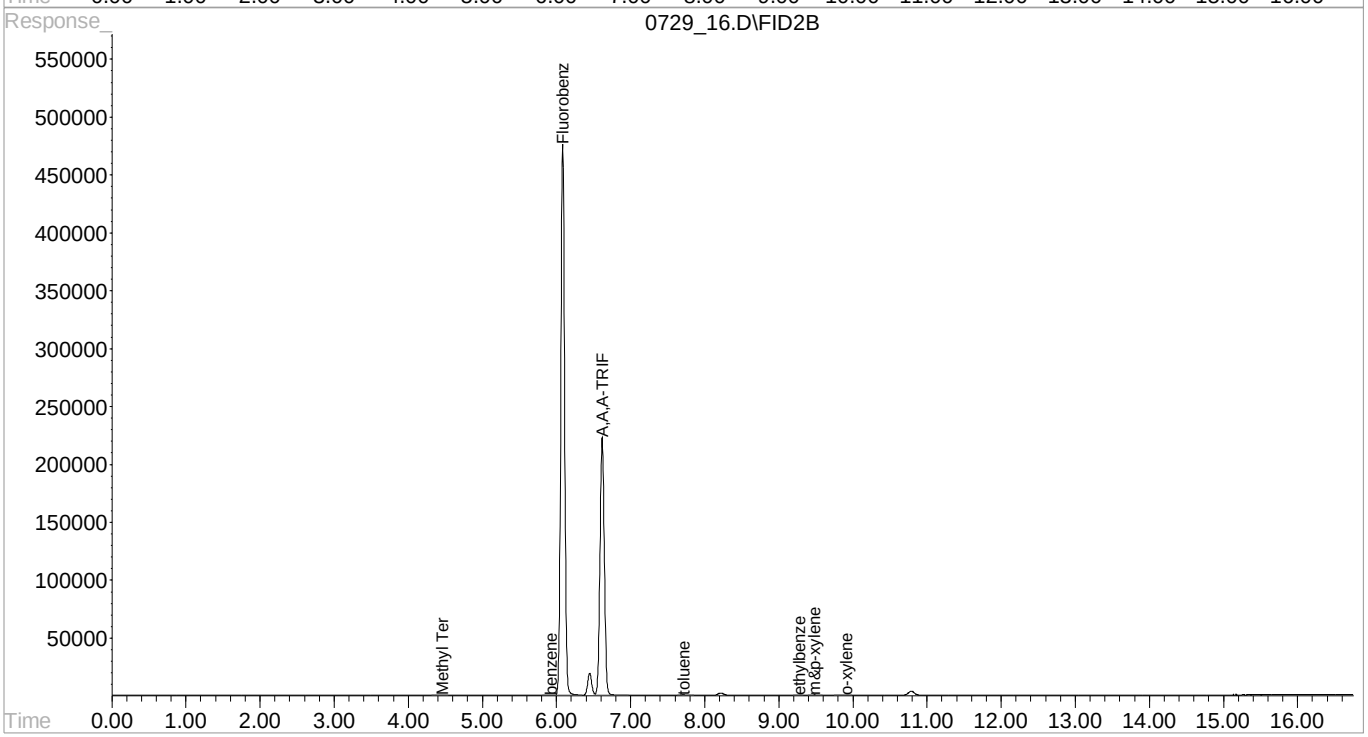
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 16.D\FID1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 16.D\FID2B.CH
Acq On : 30 Jul 2014 5:18 am Operator: 621
Sample : L712424-05 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 16.D\FID1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 16.D\FID2B.CH
Acq On : 30 Jul 2014 5:18 am Operator: 621
Sample : L712424-05 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

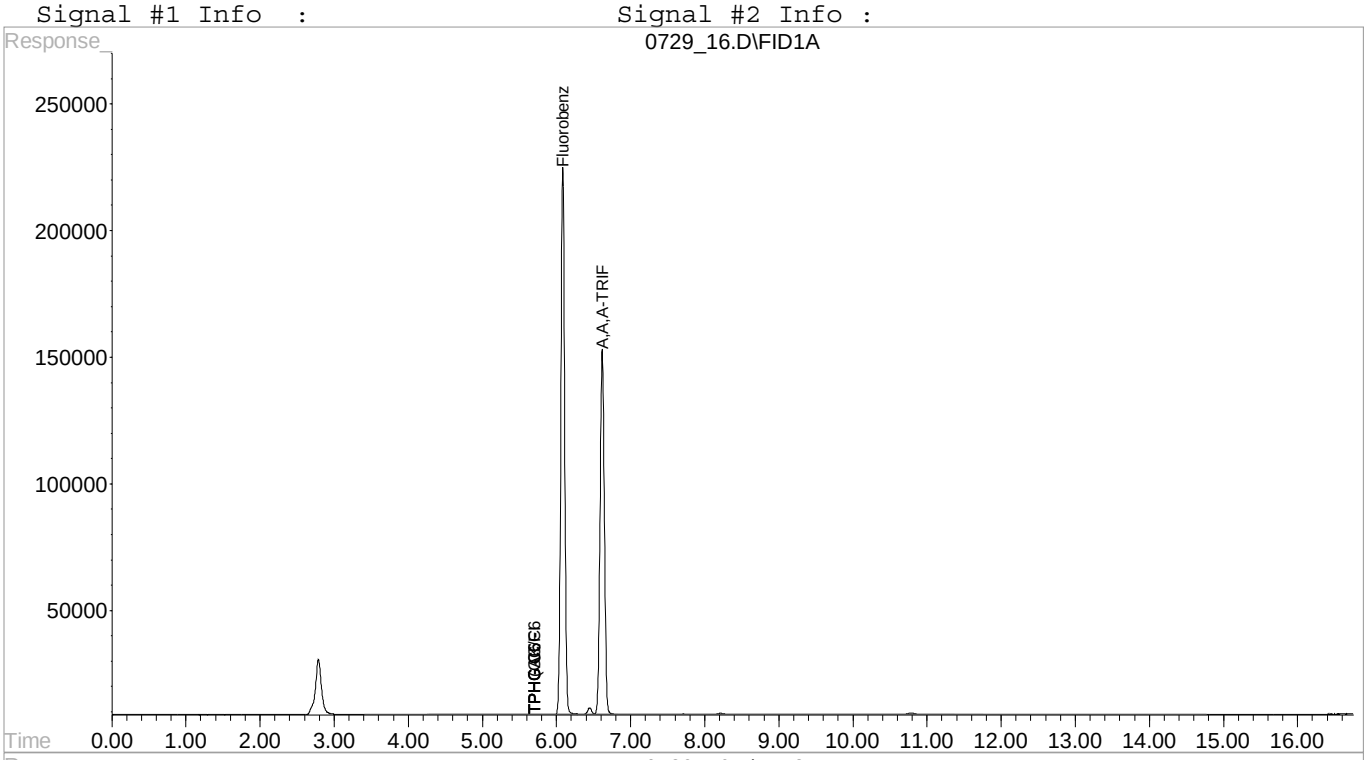
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.09	7756326	200.0000000	ppb
8) I Fluorobenzene #2	6.08	17239867	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.62	5764930	192.3110147	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.16%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.62	9046738	201.6523416	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.83%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	767547	0.0302534	ppm
3) H,M TPHG C6 - C12	5.70	743094	0.0398184	ppm
4) h,m TPHGAK C6 to C10	5.70	504302	0.0264808	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	527422	0.0266836	ppm
10) T,M Methyl Tert-Butyl Ether	4.45	14584	0.2754980	ppb
11) T,M benzene	5.92	12798	0.0808535	ppb
12) T,M toluene	7.71	24250	0.1615976	ppb
13) T,M ethylbenzene	9.29	6402	0.0477783	ppb
14) T,M m&p-xylene	9.48	22069	0.1482070	ppb
15) T,M o-xylene	9.90	12586	0.0960242	ppb
16) T,M 1,3,5-Trimethylbenzene	11.09	3616	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.50	5453	NoCal	ppb
18) T,M Naphthalene	14.48f	2814	NoCal	ppb

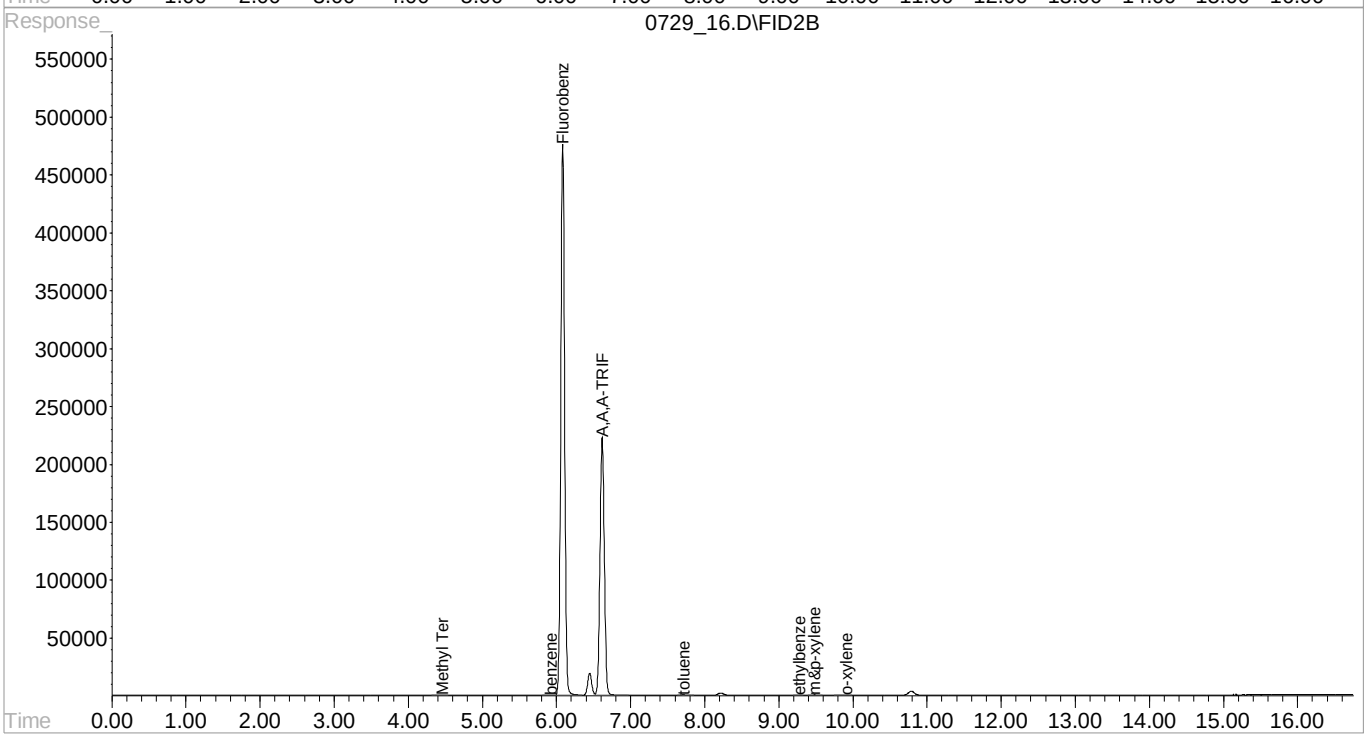
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 16.D\FID1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 16.D\FID2B.CH
Acq On : 30 Jul 2014 5:18 am Operator: 621
Sample : L712424-05 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 24.D\FID1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 24.D\FID2B.CH
Acq On : 30 Jul 2014 8:15 am Operator: 621
Sample : CCV Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.09	8539798	200.0000000	ppb
8) I Fluorobenzene #2	6.09	17988332	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	6659880	201.7832273	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 100.89%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.62	10637827	227.2517325	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 113.63%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	219048390	5.3208463	ppm
3) H,M TPHG C6 - C12	5.70	193580689	5.4183298	ppm
4) h,m TPHGAK C6 to C10	5.70	165362075	5.3899421	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	173120311	5.3890905	ppm
10) T,M Methyl Tert-Butyl Ether	4.46	9793483	177.3074542	ppb
11) T,M benzene	5.92	7591568	45.9662346	ppb
12) T,M toluene	7.72	43109920	275.3257199	ppb
13) T,M ethylbenzene	9.28	11071516	79.1902555	ppb
14) T,M m&p-xylene	9.48	41547379	267.4008494	ppb
15) T,M o-xylene	9.89	13430036	98.1986808	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	7116483	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.50	17974032	NoCal	ppb
18) T,M Naphthalene	14.58	333678	NoCal	ppb

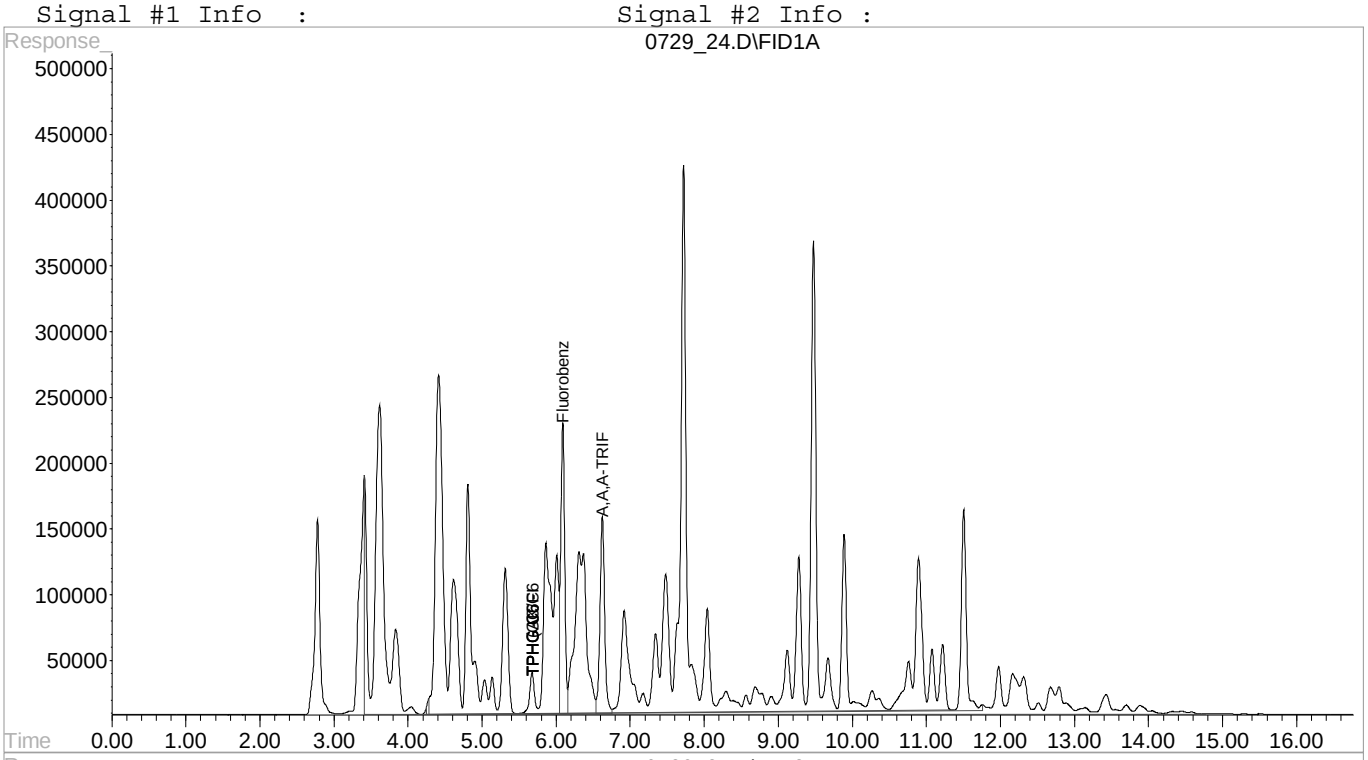
(f)=RT Delta > 1/2 Window (m)=manual int.

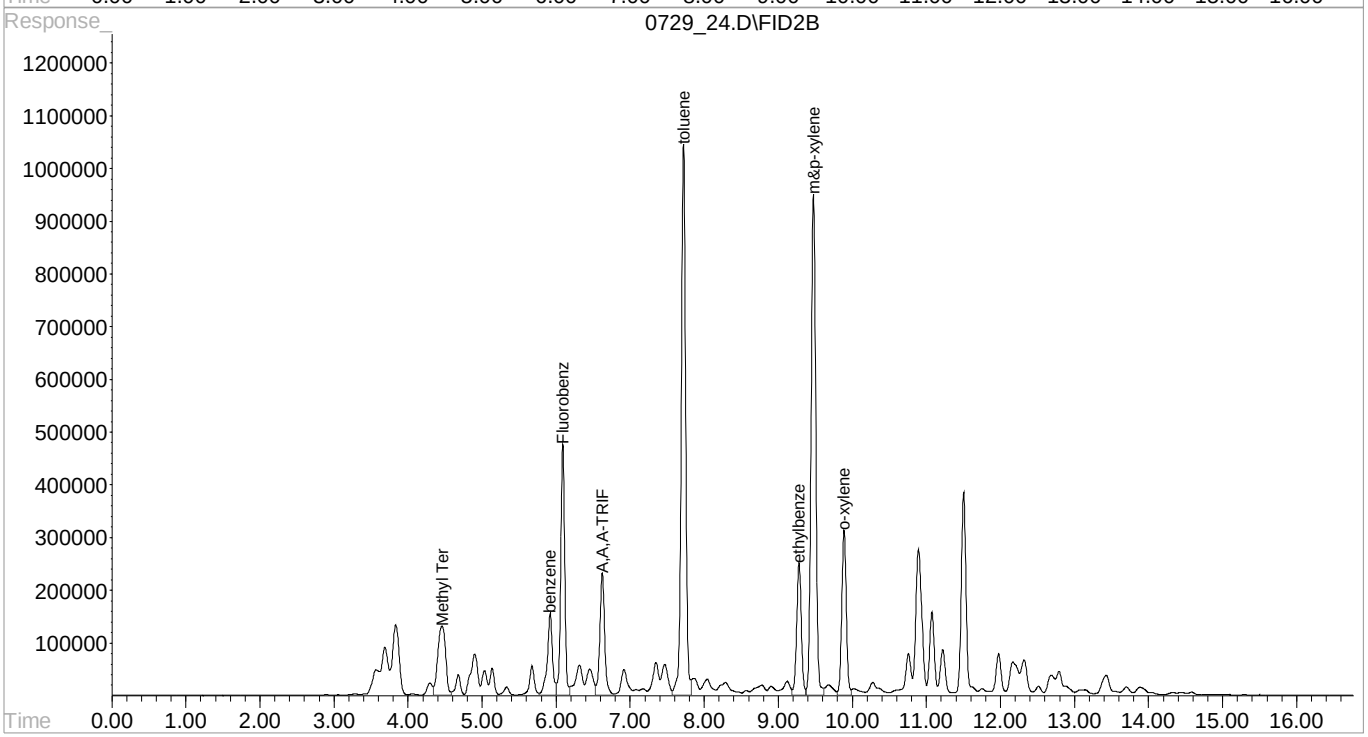
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 24.D\FID1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 24.D\FID2B.CH
Acq On : 30 Jul 2014 8:15 am Operator: 621
Sample : CCV Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 24.D\FID1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 24.D\FID2B.CH
Acq On : 30 Jul 2014 8:15 am Operator: 621
Sample : CCV GRO 5.5g ppm 14G21507 Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

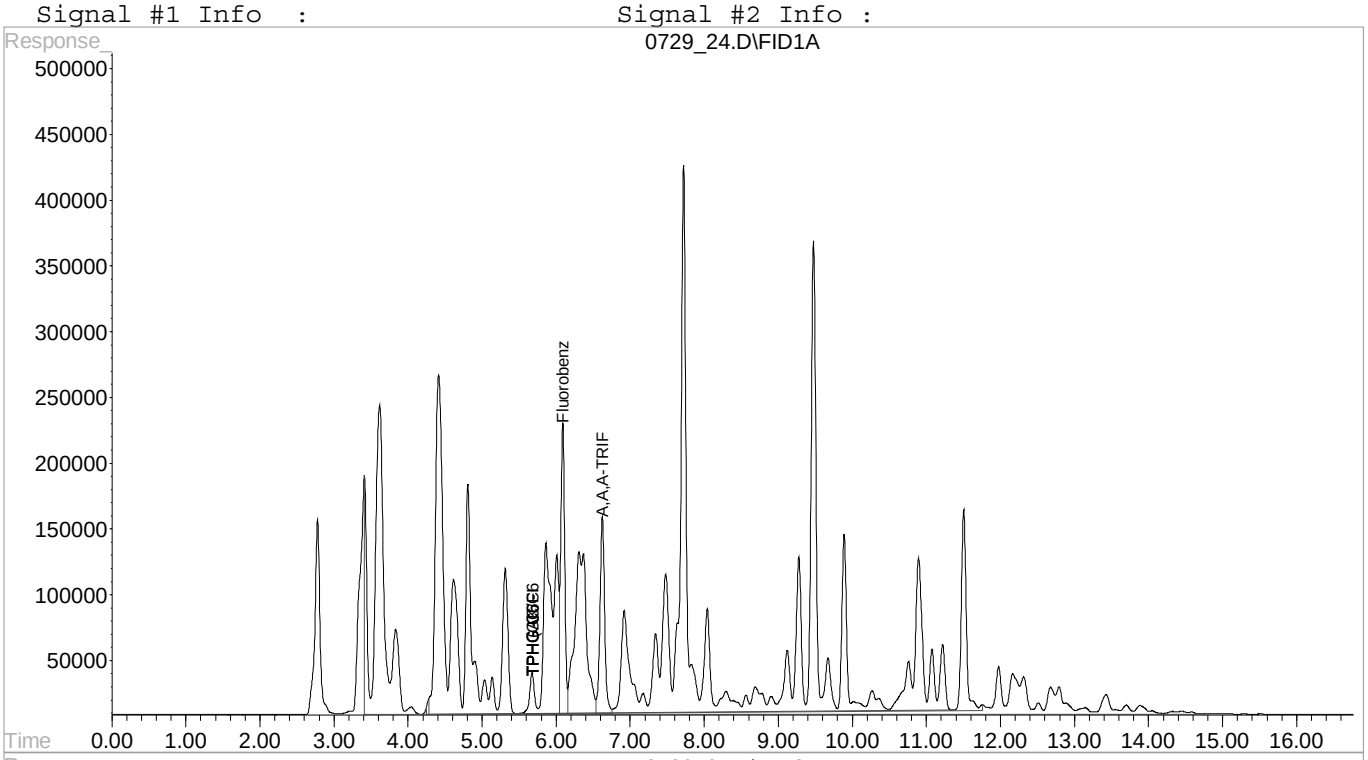
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.09	8539798	200.0000000	ppb
8) I Fluorobenzene #2	6.09	17988332	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	6659880	201.7832273	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 100.89%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.62	10637827	227.2517325	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 113.63%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	219048390	5.3208463	ppm
3) H,M TPHG C6 - C12	5.70	193580689	5.4183298	ppm
4) h,m TPHGAK C6 to C10	5.70	165362075	5.3899421	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	173120311	5.3890905	ppm
10) T,M Methyl Tert-Butyl Ether	4.46	9793483	177.3074542	ppb
11) T,M benzene	5.92	7591568	45.9662346	ppb
12) T,M toluene	7.72	43109920	275.3257199	ppb
13) T,M ethylbenzene	9.28	11071516	79.1902555	ppb
14) T,M m&p-xylene	9.48	41547379	267.4008494	ppb
15) T,M o-xylene	9.89	13430036	98.1986808	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	7116483	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.50	17974032	NoCal	ppb
18) T,M Naphthalene	14.58	333678	NoCal	ppb

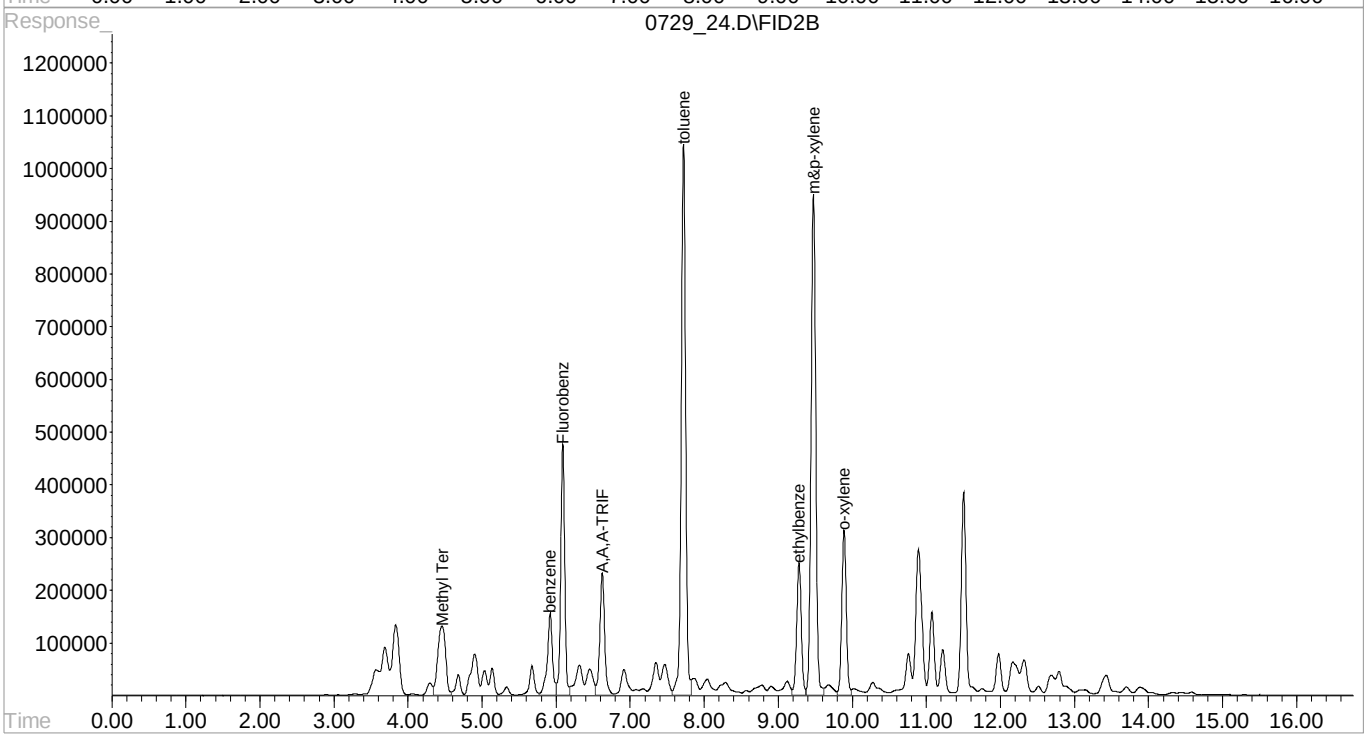
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 24.D\FID1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 24.D\FID2B.CH
Acq On : 30 Jul 2014 8:15 am Operator: 621
Sample : CCV GRO 5.5g ppm 14G21507 Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 27.D\FID1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 27.D\FID2B.CH
Acq On : 30 Jul 2014 9:50 am Operator: 621
Sample : L712424-02 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

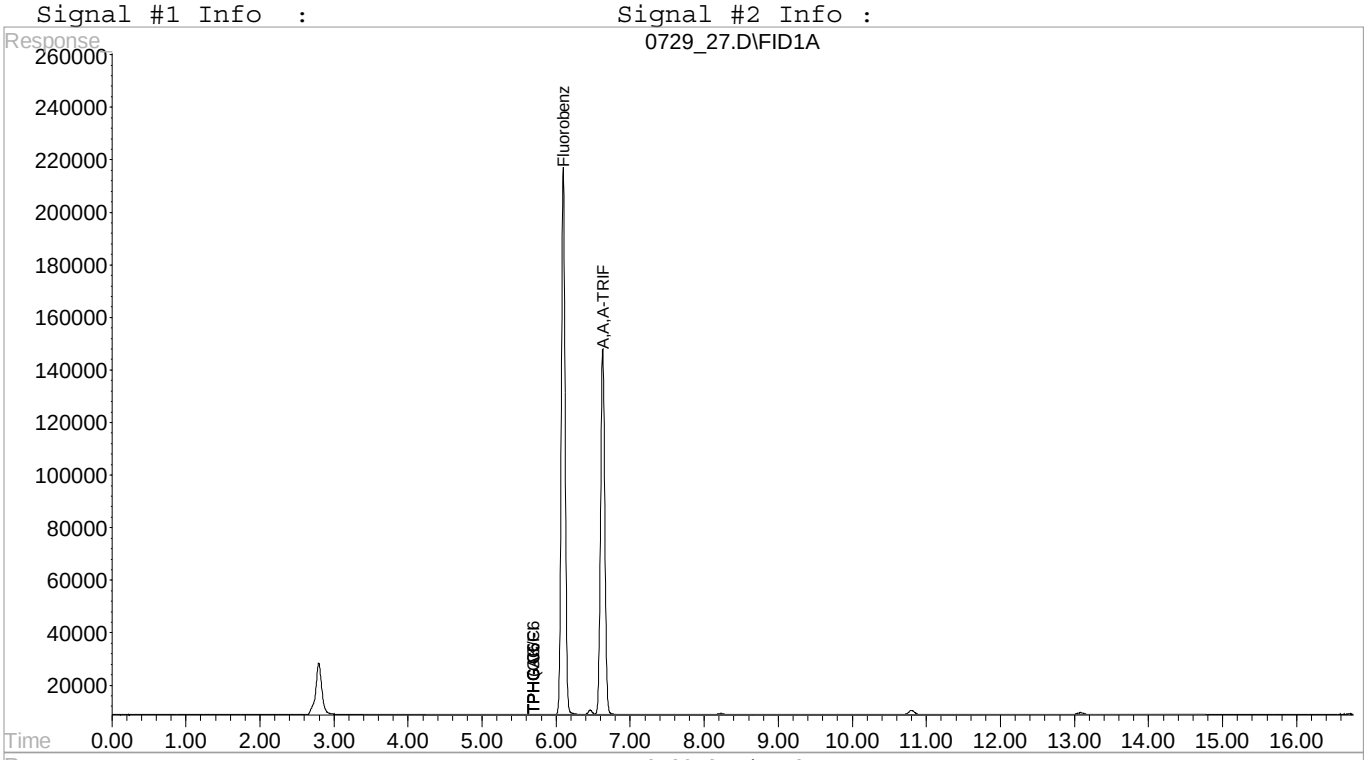
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7477527	200.0000000	ppb
8) I Fluorobenzene #2	6.10	16521524	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5556501	192.2691529	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.13%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8674731	201.7674436	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.88%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	745597	0.0304095	ppm
3) H,M TPHG C6 - C12	5.70	642557	0.0374658	ppm
4) h,m TPHGAK C6 to C10	5.70	486719	0.0265010	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	505132	0.0265654	ppm
10) T,M Methyl Tert-Butyl Ether	4.42	35342	0.6966527	ppb
11) T,M benzene	0.00	0	N.D.	ppb
12) T,M toluene	7.73	34290	0.2384369	ppb
13) T,M ethylbenzene	9.30	11511	0.0896406	ppb
14) T,M m&p-xylene	9.49	33257	0.2330484	ppb
15) T,M o-xylene	9.91	18269	0.1454391	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	9137	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	21823	NoCal	ppb
18) T,M Naphthalene	0.00	0	N.D.	ppb

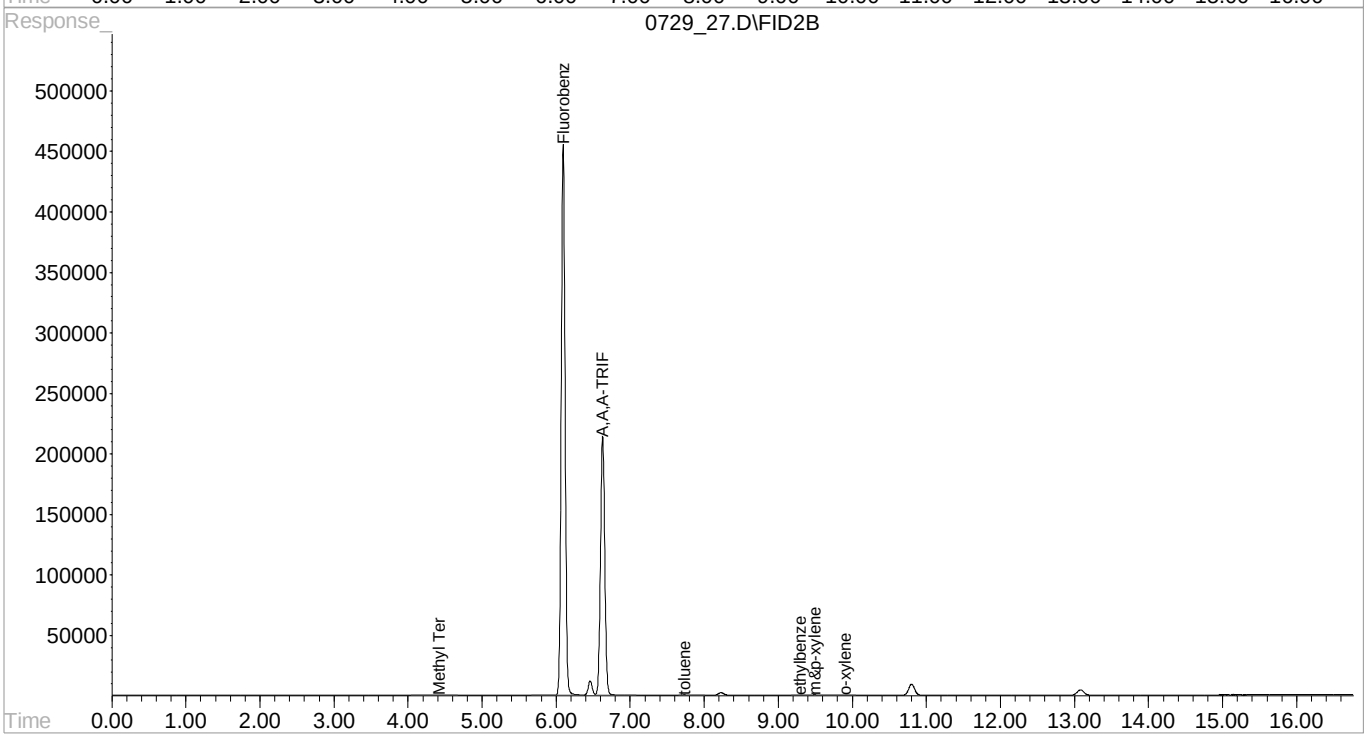
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 27.D\FID1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 27.D\FID2B.CH
Acq On : 30 Jul 2014 9:50 am Operator: 621
Sample : L712424-02 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 27.D\FID1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 27.D\FID2B.CH
Acq On : 30 Jul 2014 9:50 am Operator: 621
Sample : L712424-02 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

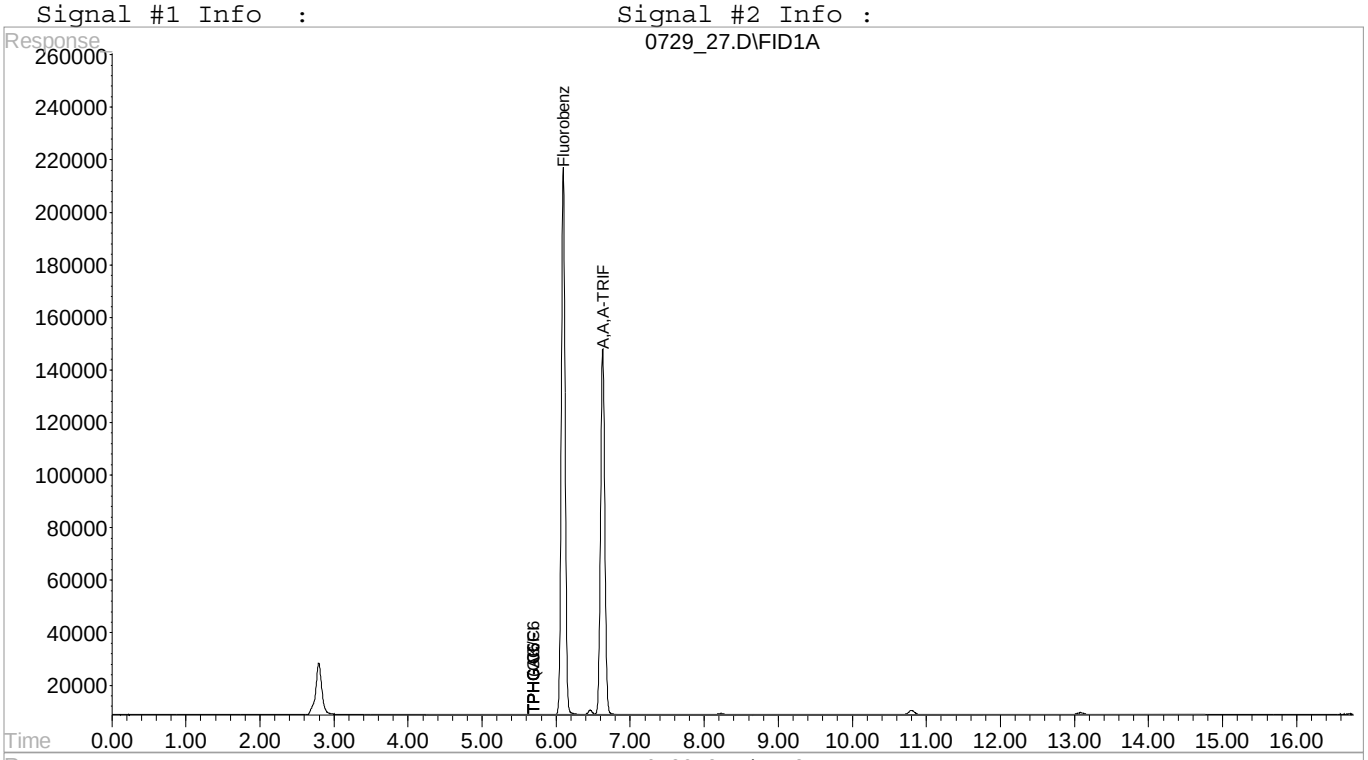
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7477527	200.0000000	ppb
8) I Fluorobenzene #2	6.10	16521524	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5556501	192.2691529	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.13%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8674731	201.7674436	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.88%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	745597	0.0304095	ppm
3) H,M TPHG C6 - C12	5.70	642557	0.0374658	ppm
4) h,m TPHGAK C6 to C10	5.70	486719	0.0265010	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	505132	0.0265654	ppm
10) T,M Methyl Tert-Butyl Ether	4.42	35342	0.6966527	ppb
11) T,M benzene	0.00	0	N.D.	ppb
12) T,M toluene	7.73	34290	0.2384369	ppb
13) T,M ethylbenzene	9.30	11511	0.0896406	ppb
14) T,M m&p-xylene	9.49	33257	0.2330484	ppb
15) T,M o-xylene	9.91	18269	0.1454391	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	9137	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	21823	NoCal	ppb
18) T,M Naphthalene	0.00	0	N.D.	ppb

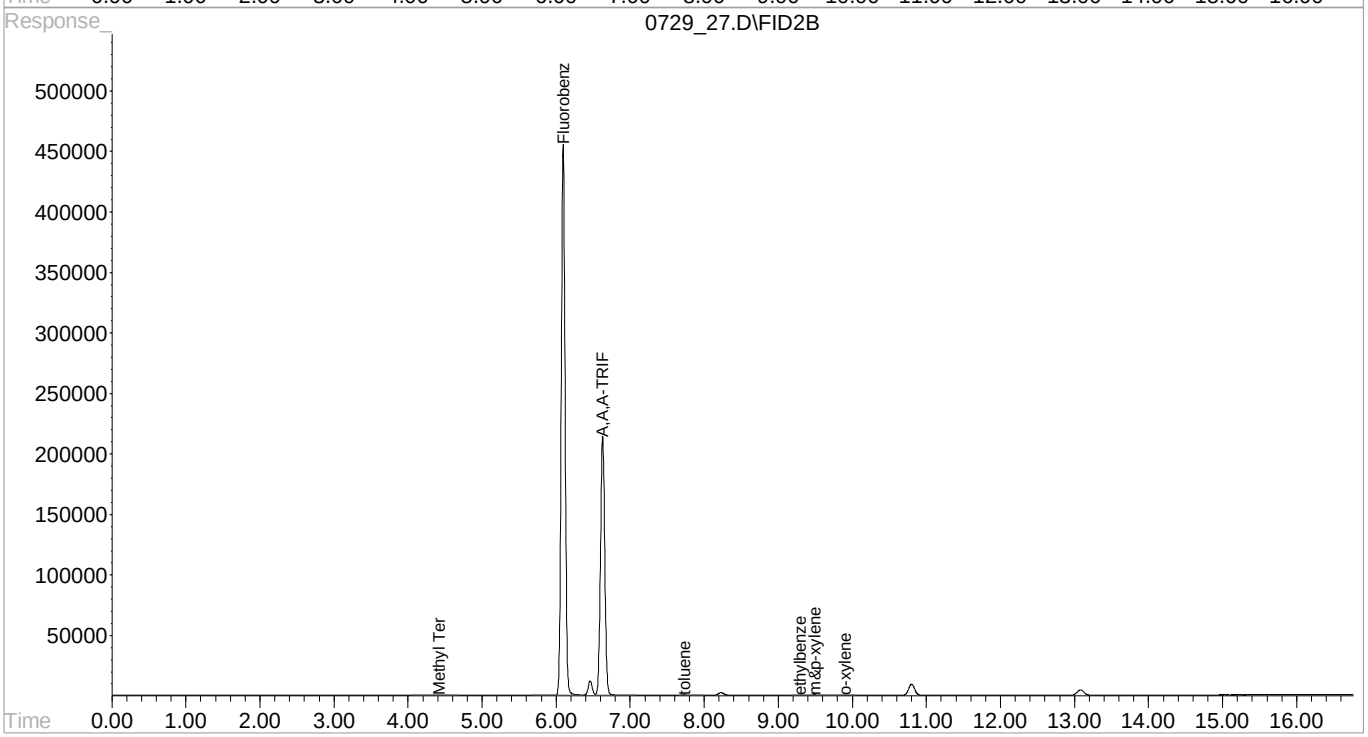
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 27.D\FID1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 27.D\FID2B.CH
Acq On : 30 Jul 2014 9:50 am Operator: 621
Sample : L712424-02 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 28.D\FID1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 28.D\FID2B.CH
Acq On : 30 Jul 2014 10:12 am Operator: 621
Sample : L712424-03 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

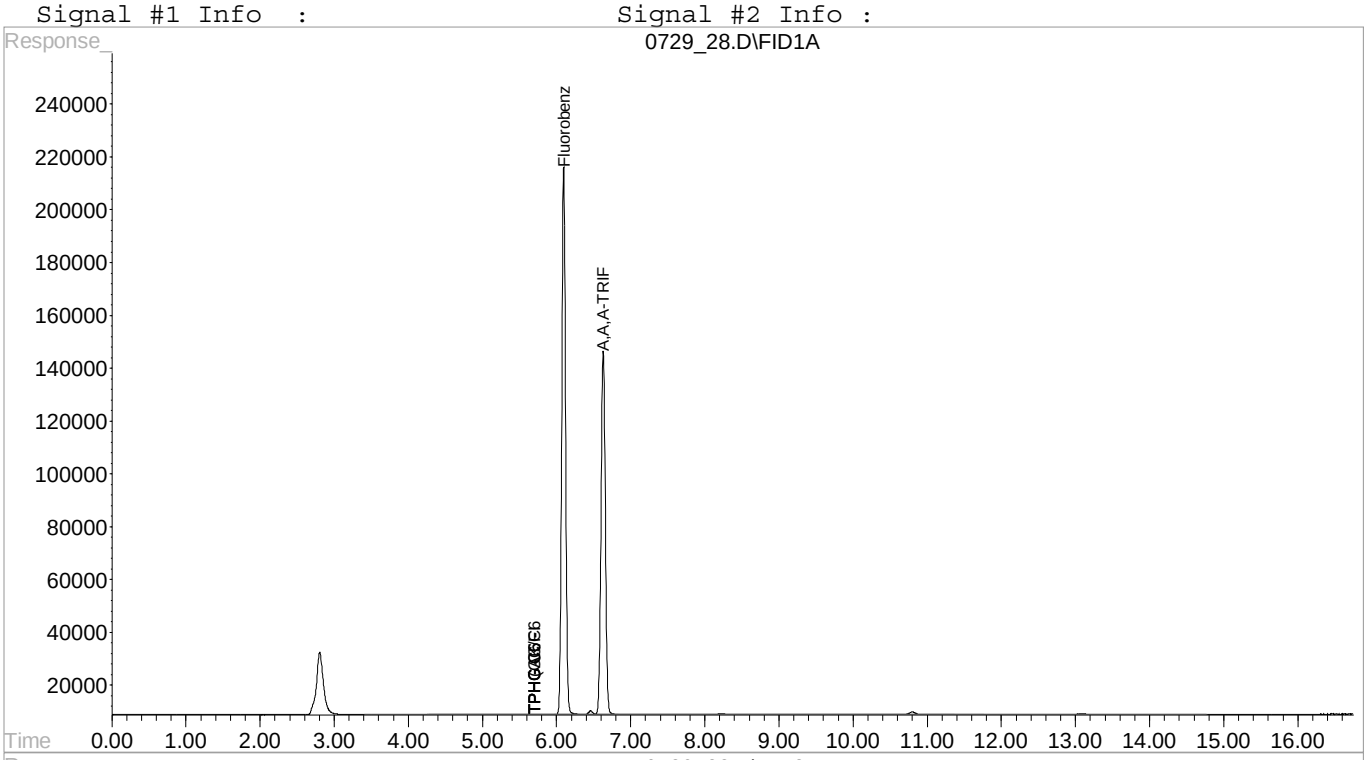
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7422829	200.0000000	ppb
8) I Fluorobenzene #2	6.10	16365797	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5502790	191.8137165	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 95.91%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8553930	200.8508589	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.43%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	647959	0.0278381	ppm
3) H,M TPHG C6 - C12	5.70	610265	0.0365801	ppm
4) h,m TPHGAK C6 to C10	5.70	388158	0.0229440	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	408113	0.0232285	ppm
10) T,M Methyl Tert-Butyl Ether	4.44	12769	0.2540998	ppb
11) T,M benzene	5.93	10211	0.0679589	ppb
12) T,M toluene	7.73	24150	0.1695259	ppb
13) T,M ethylbenzene	9.29	9267	0.0728574	ppb
14) T,M m&p-xylene	9.49	22124	0.1565078	ppb
15) T,M o-xylene	9.91	14045	0.1128730	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	9905	NoCal	ppb
18) T,M Naphthalene	14.64f	4625	NoCal	ppb

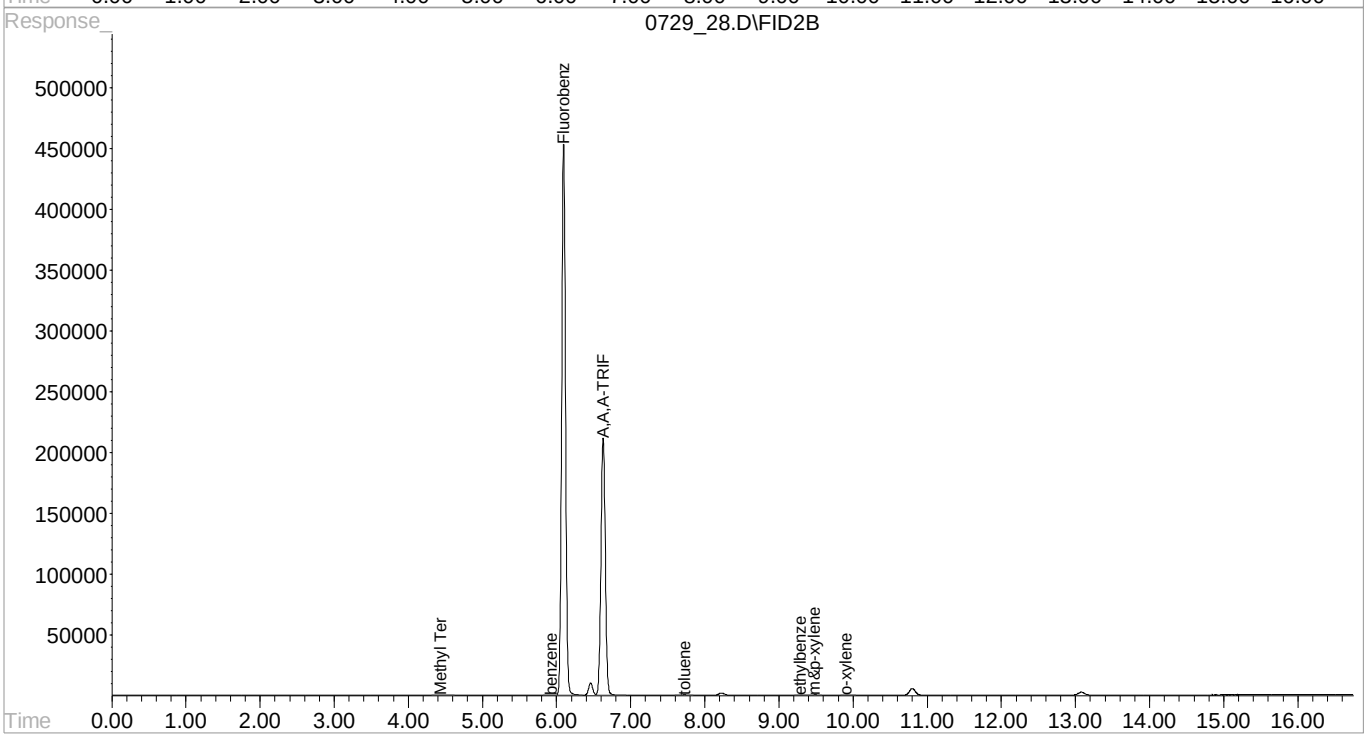
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 28.D\FID1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 28.D\FID2B.CH
Acq On : 30 Jul 2014 10:12 am Operator: 621
Sample : L712424-03 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 28.D\FID1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 28.D\FID2B.CH
Acq On : 30 Jul 2014 10:12 am Operator: 621
Sample : L712424-03 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

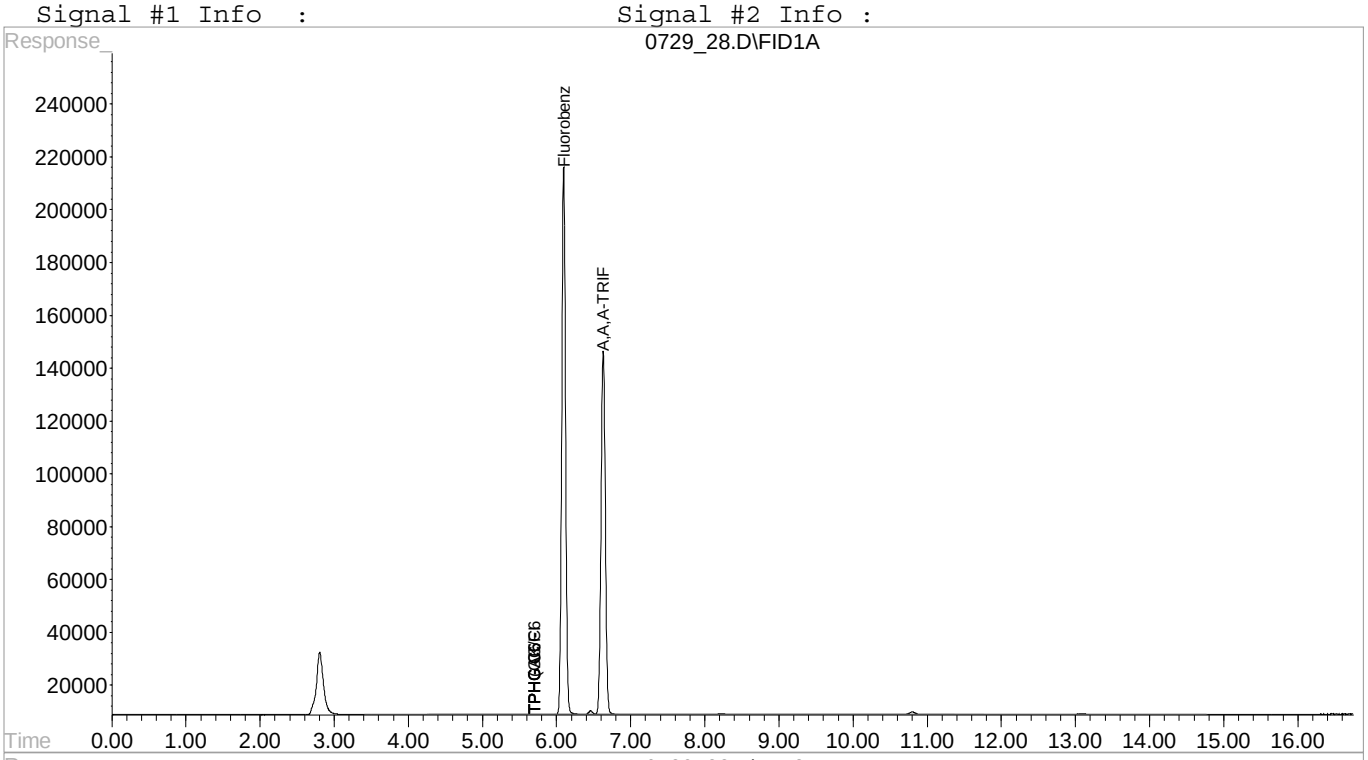
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7422829	200.0000000	ppb
8) I Fluorobenzene #2	6.10	16365797	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5502790	191.8137165	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 95.91%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8553930	200.8508589	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.43%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	647959	0.0278381	ppm
3) H,M TPHG C6 - C12	5.70	610265	0.0365801	ppm
4) h,m TPHGAK C6 to C10	5.70	388158	0.0229440	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	408113	0.0232285	ppm
10) T,M Methyl Tert-Butyl Ether	4.44	12769	0.2540998	ppb
11) T,M benzene	5.93	10211	0.0679589	ppb
12) T,M toluene	7.73	24150	0.1695259	ppb
13) T,M ethylbenzene	9.29	9267	0.0728574	ppb
14) T,M m&p-xylene	9.49	22124	0.1565078	ppb
15) T,M o-xylene	9.91	14045	0.1128730	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	9905	NoCal	ppb
18) T,M Naphthalene	14.64f	4625	NoCal	ppb

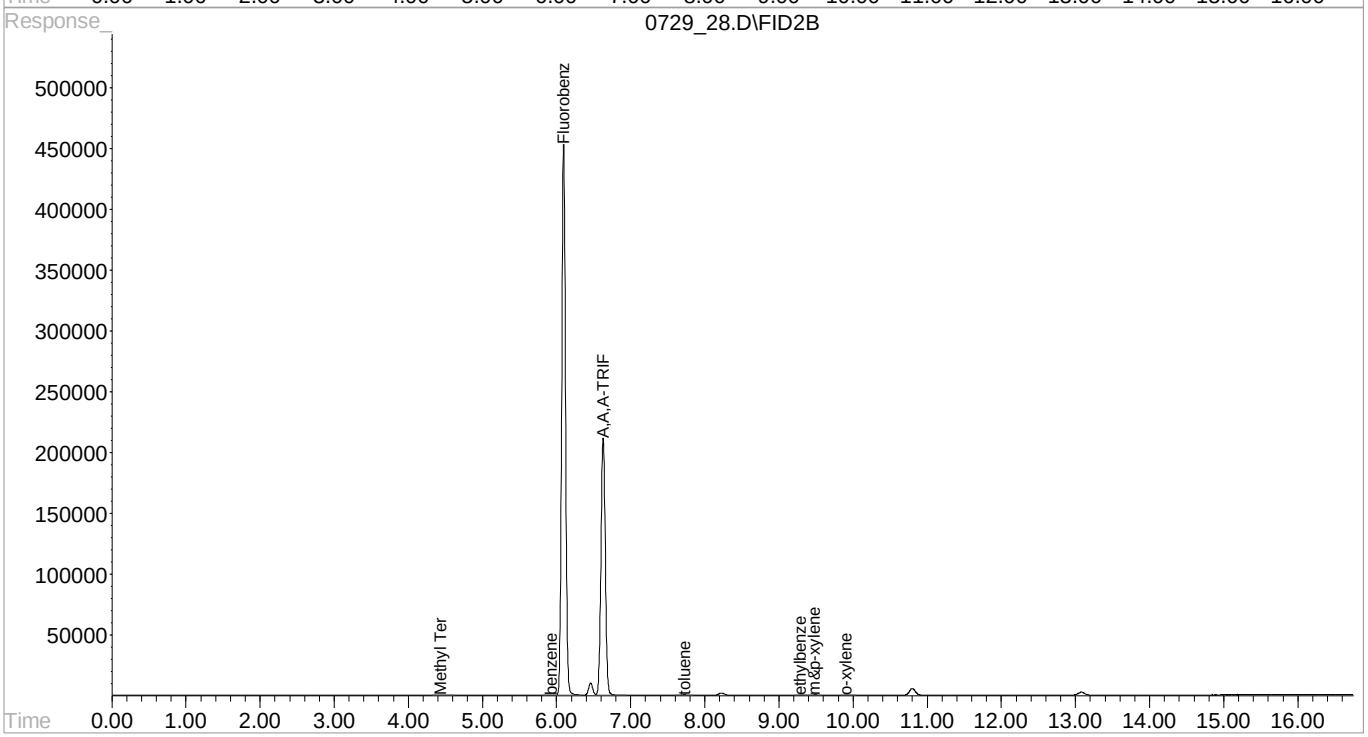
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 28.D\FID1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 28.D\FID2B.CH
Acq On : 30 Jul 2014 10:12 am Operator: 621
Sample : L712424-03 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 29.D\FID1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 29.D\FID2B.CH
Acq On : 30 Jul 2014 10:34 am Operator: 621
Sample : L712424-04 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

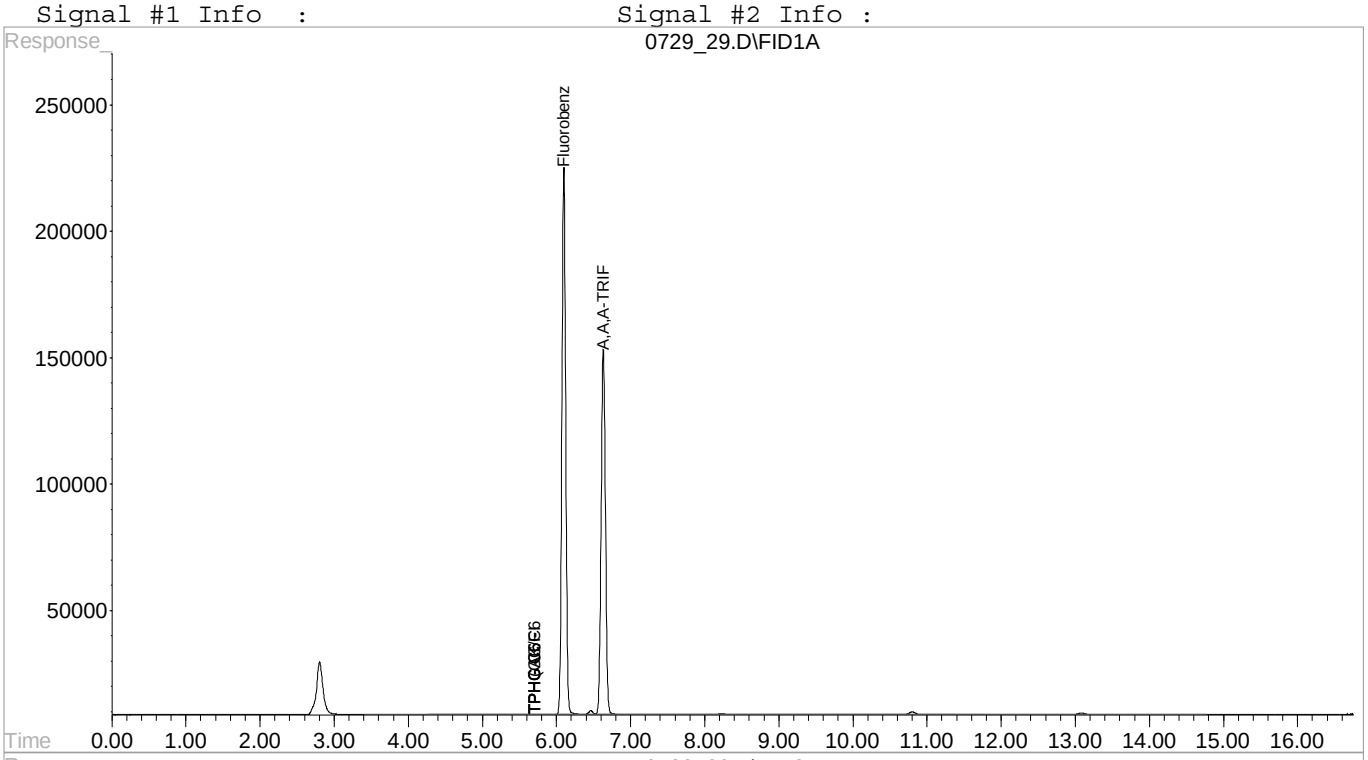
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7760801	200.0000000	ppb
8) I Fluorobenzene #2	6.10	17050184	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5760258	192.0443779	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.02%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8926506	201.1859368	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.59%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	615936	0.0261966	ppm
3) H,M TPHG C6 - C12	5.70	594285	0.0352363	ppm
4) h,m TPHGAK C6 to C10	5.70	412849	0.0231954	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	427175	0.0232449	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb
11) T,M benzene	5.93	8710	0.0556404	ppb
12) T,M toluene	7.74	39131	0.2636662	ppb
13) T,M ethylbenzene	9.29	7851	0.0592453	ppb
14) T,M m&p-xylene	9.49	22726	0.1543159	ppb
15) T,M o-xylene	9.89	14328	0.1105312	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	6197	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.53	17466	NoCal	ppb
18) T,M Naphthalene	14.63f	12860	NoCal	ppb

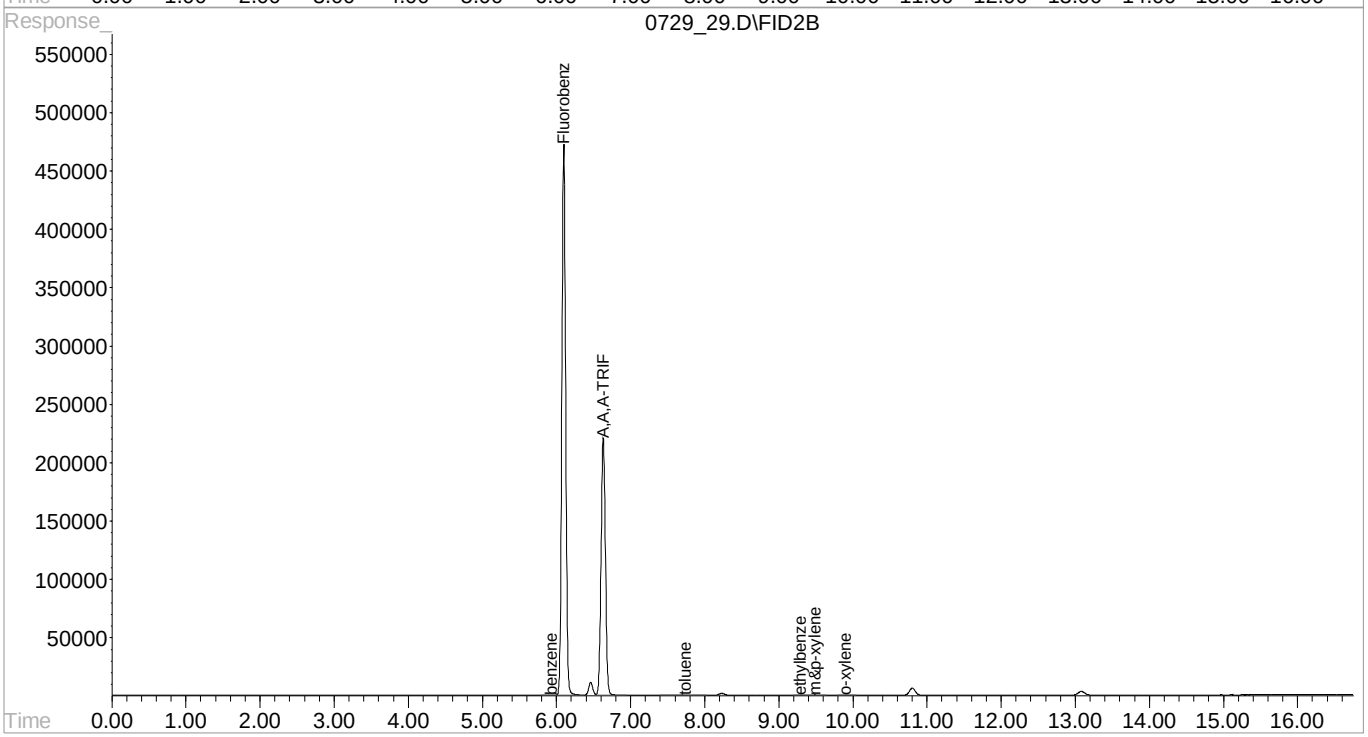
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 29.D\FID1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 29.D\FID2B.CH
Acq On : 30 Jul 2014 10:34 am Operator: 621
Sample : L712424-04 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 29.D\FID1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 29.D\FID2B.CH
Acq On : 30 Jul 2014 10:34 am Operator: 621
Sample : L712424-04 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

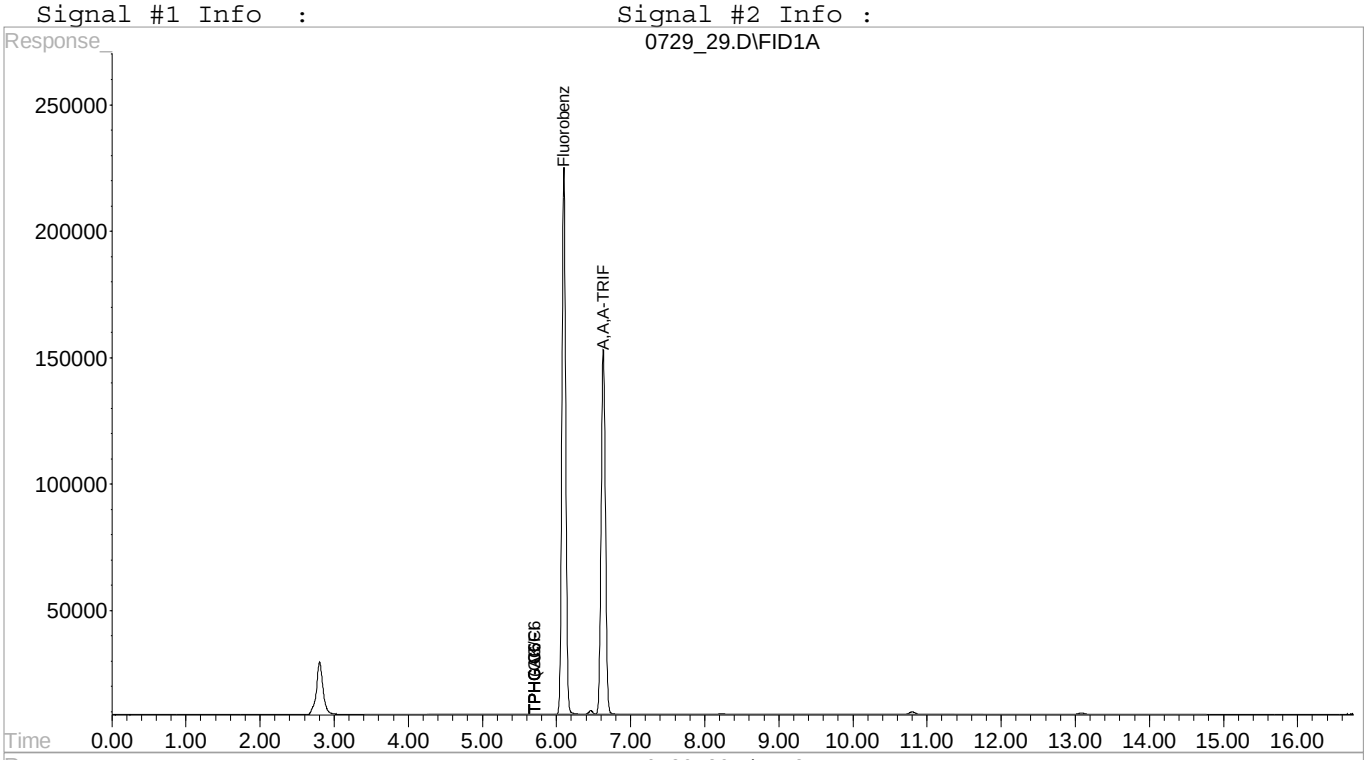
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7760801	200.0000000	ppb
8) I Fluorobenzene #2	6.10	17050184	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5760258	192.0443779	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.02%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8926506	201.1859368	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.59%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	615936	0.0261966	ppm
3) H,M TPHG C6 - C12	5.70	594285	0.0352363	ppm
4) h,m TPHGAK C6 to C10	5.70	412849	0.0231954	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	427175	0.0232449	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb
11) T,M benzene	5.93	8710	0.0556404	ppb
12) T,M toluene	7.74	39131	0.2636662	ppb
13) T,M ethylbenzene	9.29	7851	0.0592453	ppb
14) T,M m&p-xylene	9.49	22726	0.1543159	ppb
15) T,M o-xylene	9.89	14328	0.1105312	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	6197	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.53	17466	NoCal	ppb
18) T,M Naphthalene	14.63f	12860	NoCal	ppb

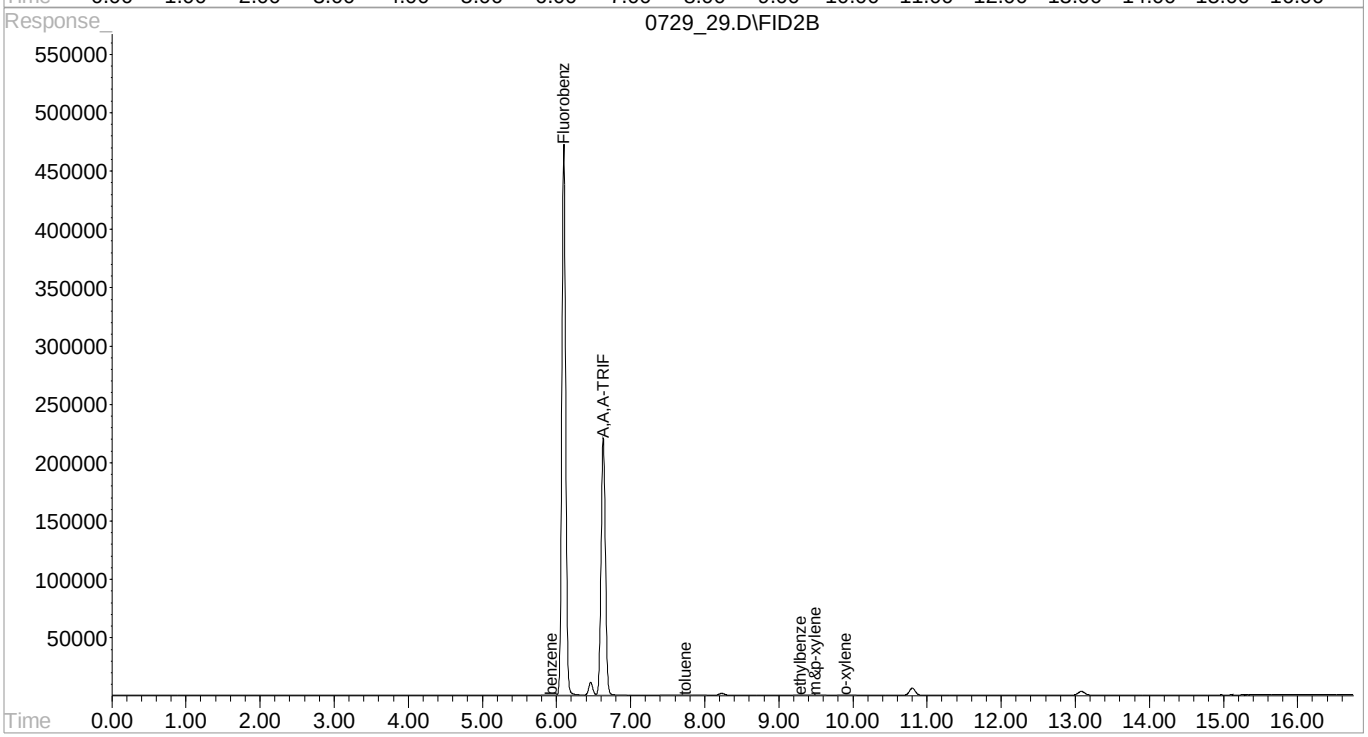
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 29.D\FID1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 29.D\FID2B.CH
Acq On : 30 Jul 2014 10:34 am Operator: 621
Sample : L712424-04 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 30.D\FID1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 30.D\FID2B.CH
Acq On : 30 Jul 2014 10:56 am Operator: 621
Sample : L712424-06 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

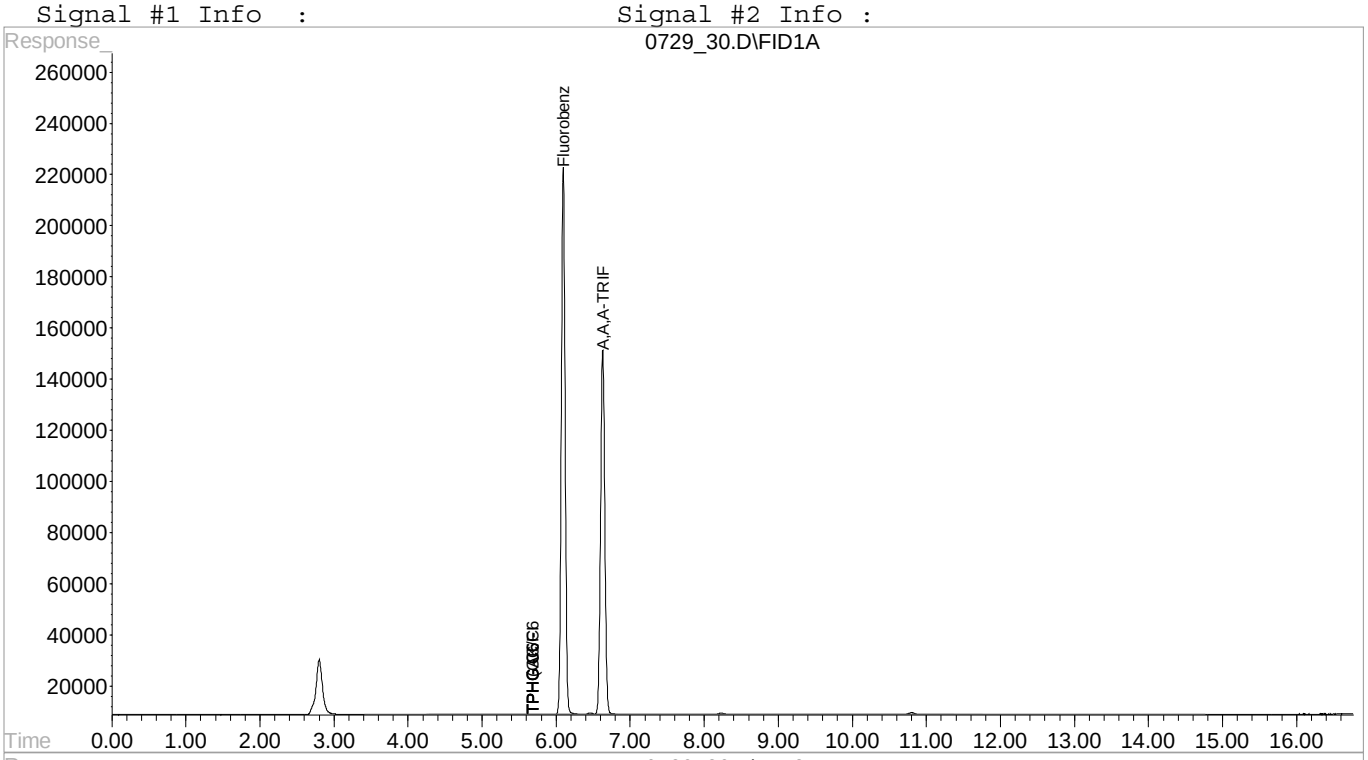
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7668739	200.0000000	ppb
8) I Fluorobenzene #2	6.10	16874646	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5684628	191.7981119	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 95.90%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8812860	200.6907606	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.35%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	555449	0.0247607	ppm
3) H,M TPHG C6 - C12	5.70	535818	0.0336387	ppm
4) h,m TPHGAK C6 to C10	5.70	390160	0.0225506	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	407517	0.0227399	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb
11) T,M benzene	5.93	6148	0.0396825	ppb
12) T,M toluene	7.73	26158	0.1780872	ppb
13) T,M ethylbenzene	9.29	10954	0.0835222	ppb
14) T,M m&p-xylene	9.49	27555	0.1890480	ppb
15) T,M o-xylene	9.91	12978	0.1011585	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	7140	NoCal	ppb
18) T,M Naphthalene	0.00	0	N.D.	ppb

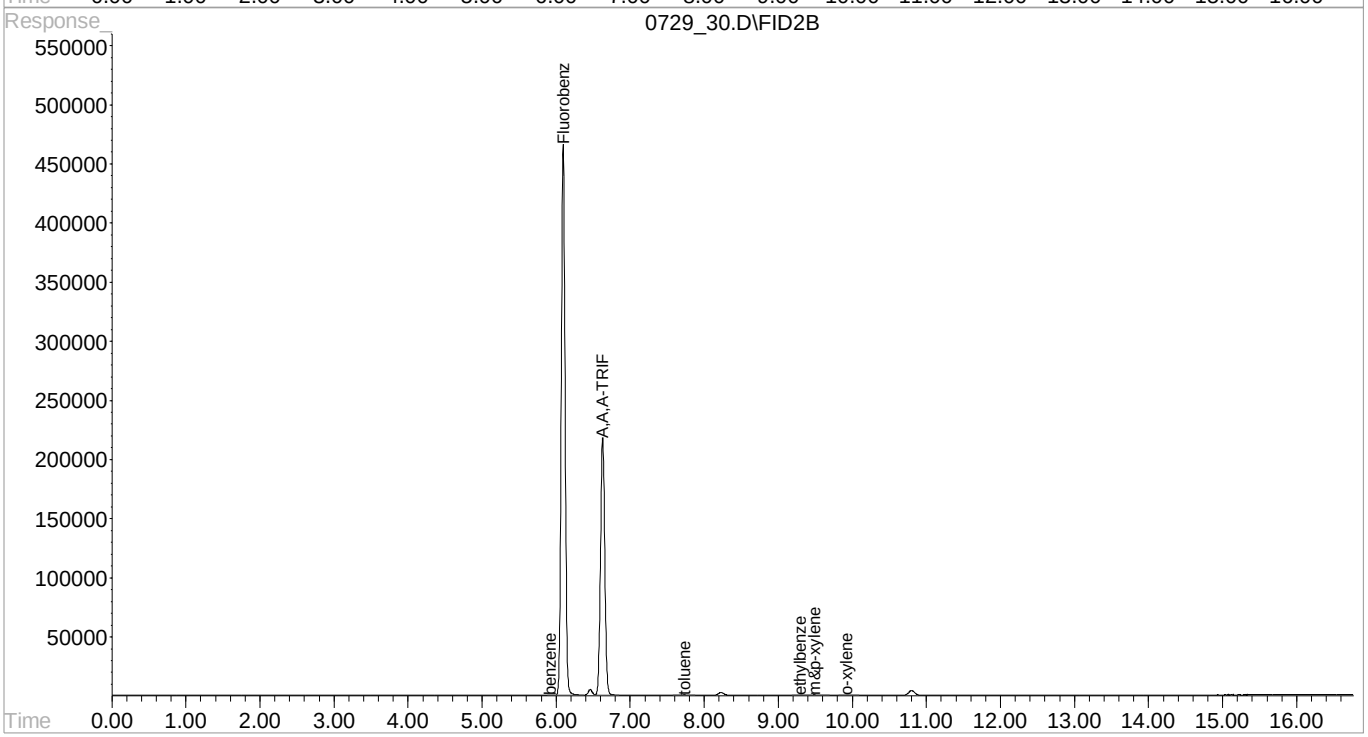
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 30.D\FID1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 30.D\FID2B.CH
Acq On : 30 Jul 2014 10:56 am Operator: 621
Sample : L712424-06 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 30.D\FID1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 30.D\FID2B.CH
Acq On : 30 Jul 2014 10:56 am Operator: 621
Sample : L712424-06 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

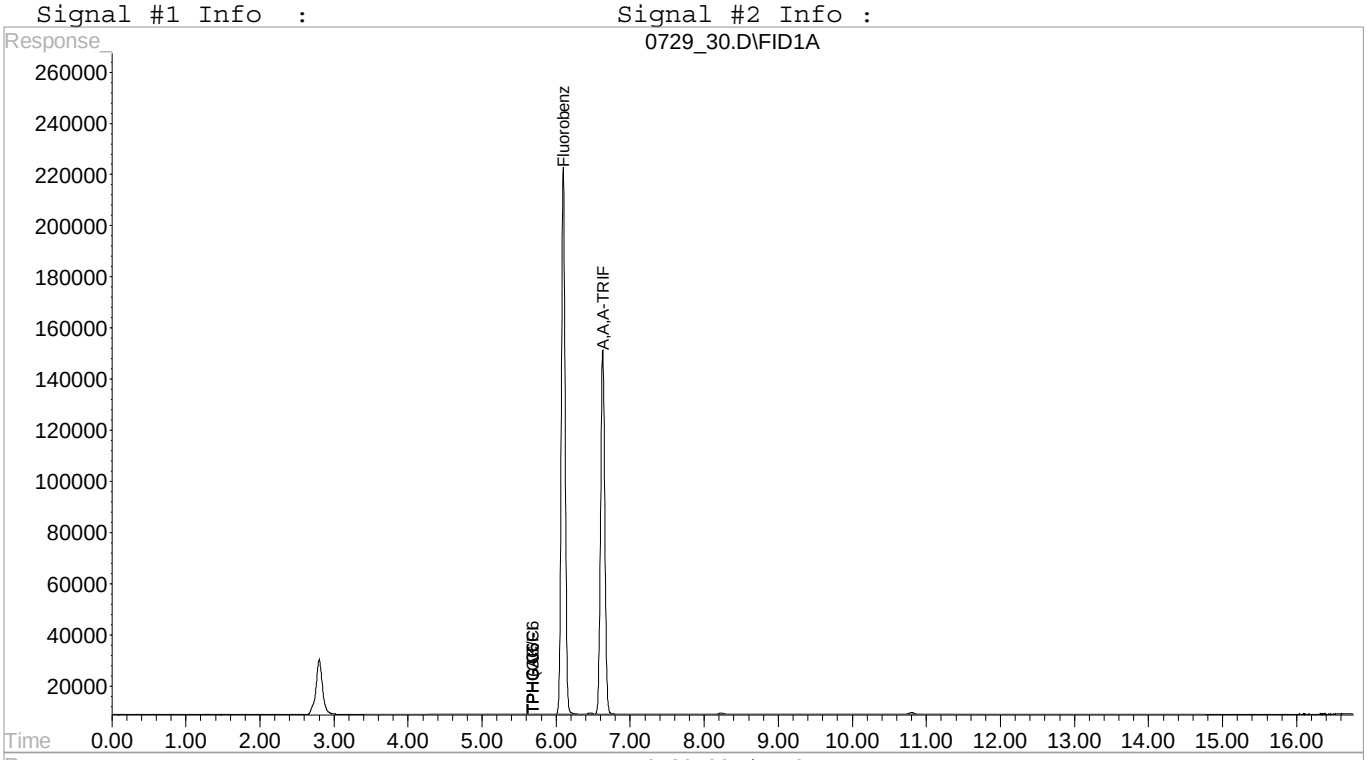
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7668739	200.0000000	ppb
8) I Fluorobenzene #2	6.10	16874646	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5684628	191.7981119	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 95.90%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8812860	200.6907606	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.35%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	555449	0.0247607	ppm
3) H,M TPHG C6 - C12	5.70	535818	0.0336387	ppm
4) h,m TPHGAK C6 to C10	5.70	390160	0.0225506	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	407517	0.0227399	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb
11) T,M benzene	5.93	6148	0.0396825	ppb
12) T,M toluene	7.73	26158	0.1780872	ppb
13) T,M ethylbenzene	9.29	10954	0.0835222	ppb
14) T,M m&p-xylene	9.49	27555	0.1890480	ppb
15) T,M o-xylene	9.91	12978	0.1011585	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	7140	NoCal	ppb
18) T,M Naphthalene	0.00	0	N.D.	ppb

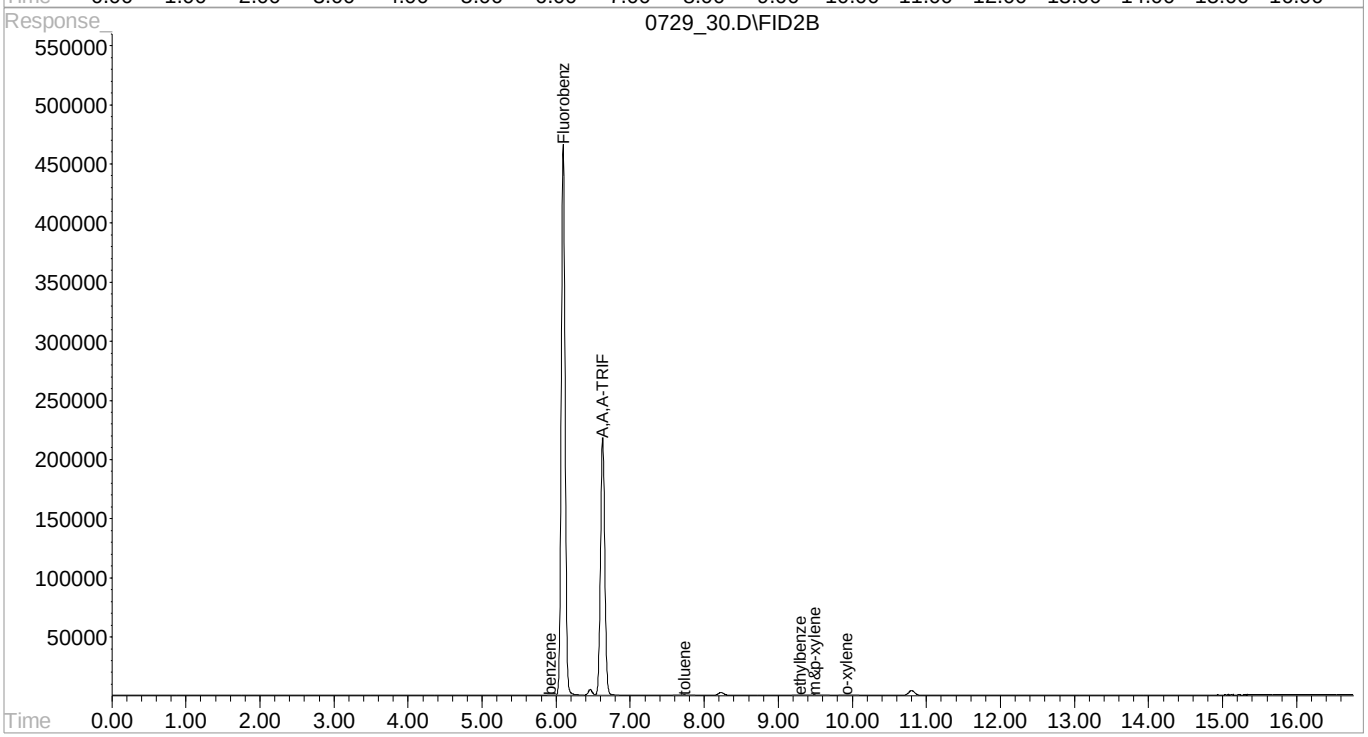
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 30.D\FID1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 30.D\FID2B.CH
Acq On : 30 Jul 2014 10:56 am Operator: 621
Sample : L712424-06 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 31.D\FID1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 31.D\FID2B.CH
Acq On : 30 Jul 2014 11:19 am Operator: 621
Sample : L712424-07 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

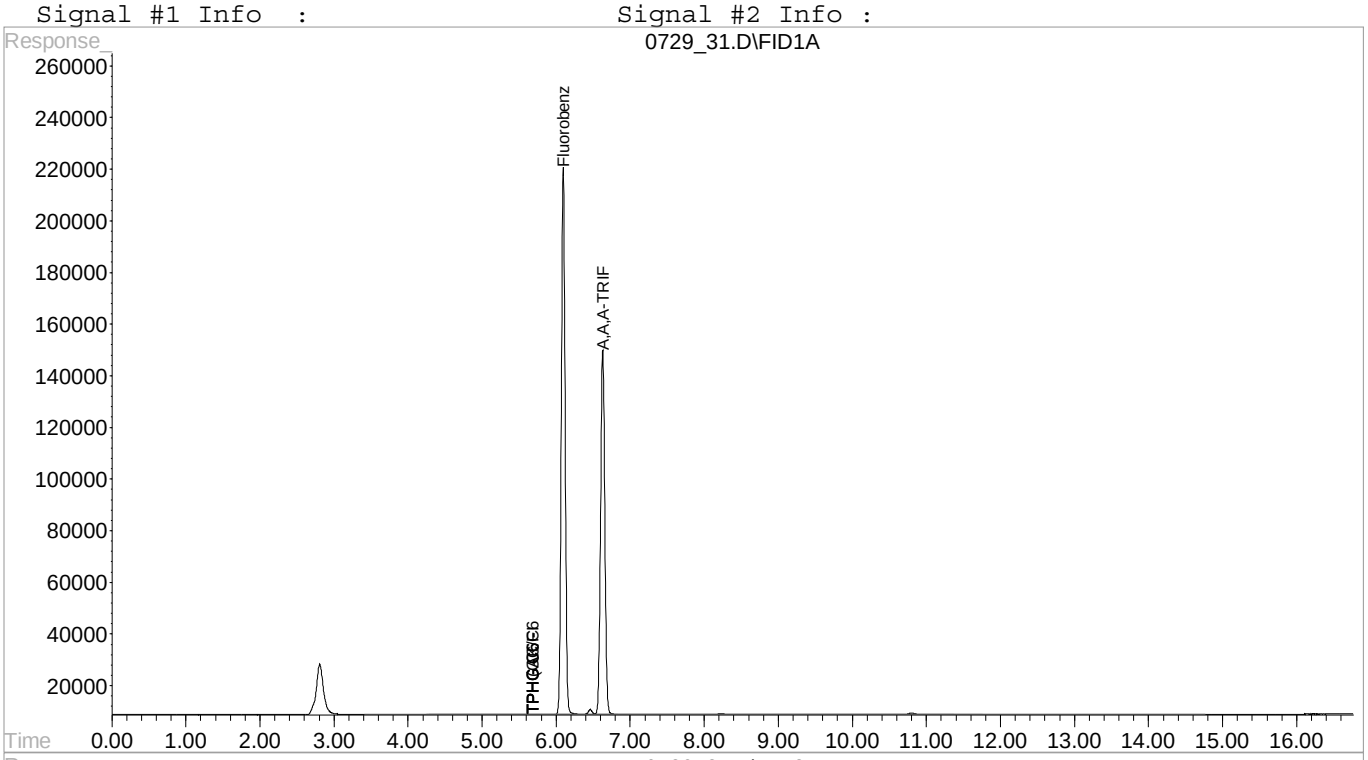
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7590378	200.0000000	ppb
8) I Fluorobenzene #2	6.10	16700036	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5627089	191.8167748	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 95.91%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8764785	201.6828723	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.84%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	612314	0.0264668	ppm
3) H,M TPHG C6 - C12	5.70	551876	0.0343147	ppm
4) h,m TPHGAK C6 to C10	5.70	385138	0.0225127	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	402536	0.0227114	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb
11) T,M benzene	5.93	13969	0.0911045	ppb
12) T,M toluene	7.73	26564	0.1827442	ppb
13) T,M ethylbenzene	9.29	9220	0.0710346	ppb
14) T,M m&p-xylene	9.49	16848	0.1168001	ppb
15) T,M o-xylene	9.92	5524	0.0435090	ppb
16) T,M 1,3,5-Trimethylbenzene	11.13f	8208	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.54	11784	NoCal	ppb
18) T,M Naphthalene	14.55	2882	NoCal	ppb

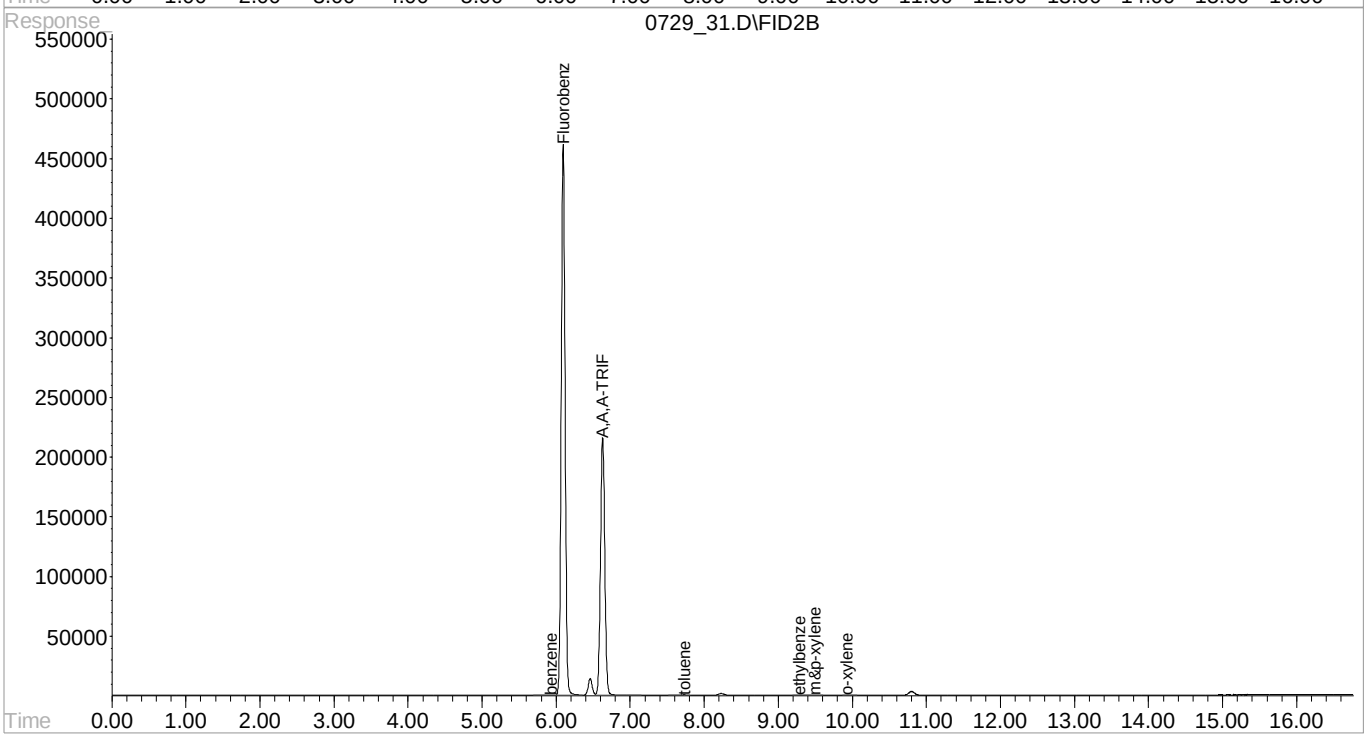
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 31.D\FID1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 31.D\FID2B.CH
Acq On : 30 Jul 2014 11:19 am Operator: 621
Sample : L712424-07 1x WG734192 GRO Inst : VOCGC1
Misc : WATER SURIS13I06372 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 31.D\FID1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 31.D\FID2B.CH
Acq On : 30 Jul 2014 11:19 am Operator: 621
Sample : L712424-07 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

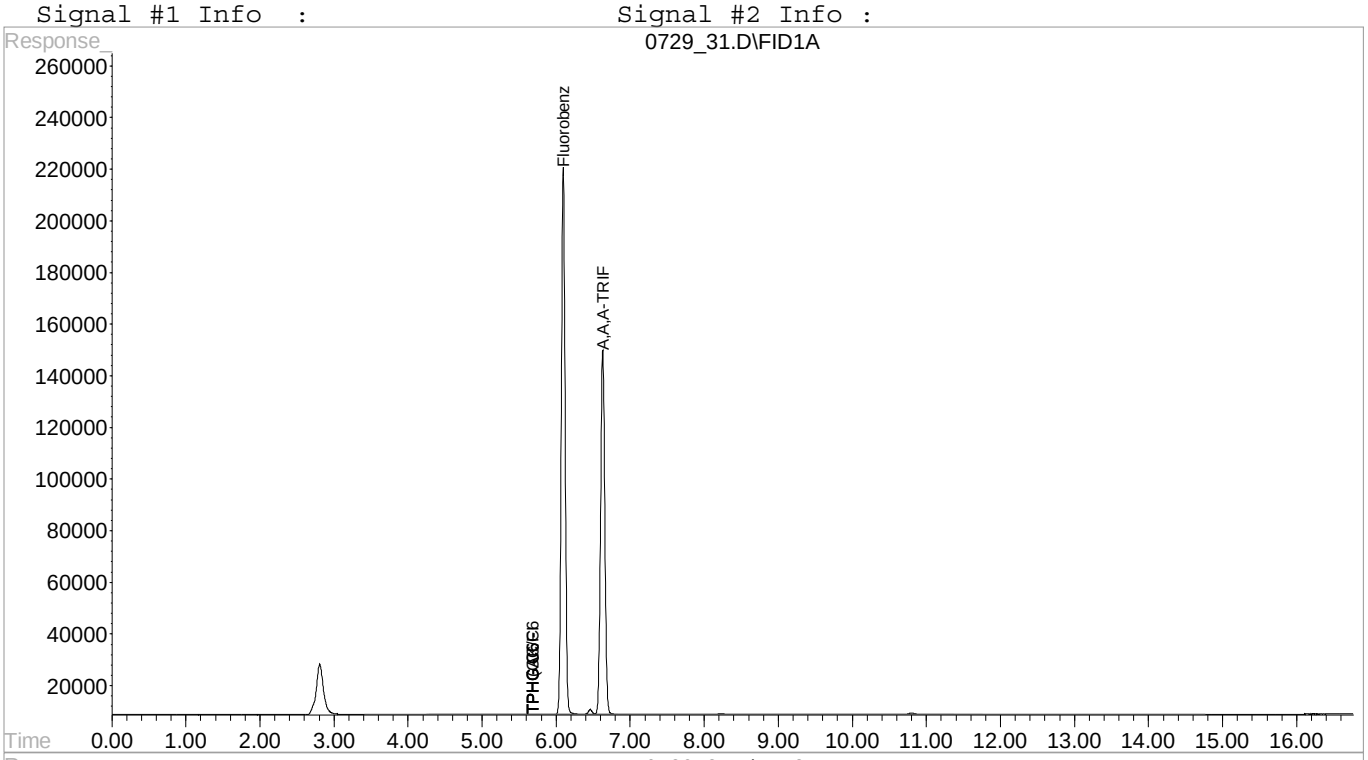
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7590378	200.0000000	ppb
8) I Fluorobenzene #2	6.10	16700036	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5627089	191.8167748	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 95.91%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	8764785	201.6828723	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 100.84%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	612314	0.0264668	ppm
3) H,M TPHG C6 - C12	5.70	551876	0.0343147	ppm
4) h,m TPHGAK C6 to C10	5.70	385138	0.0225127	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	402536	0.0227114	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb
11) T,M benzene	5.93	13969	0.0911045	ppb
12) T,M toluene	7.73	26564	0.1827442	ppb
13) T,M ethylbenzene	9.29	9220	0.0710346	ppb
14) T,M m&p-xylene	9.49	16848	0.1168001	ppb
15) T,M o-xylene	9.92	5524	0.0435090	ppb
16) T,M 1,3,5-Trimethylbenzene	11.13f	8208	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.54	11784	NoCal	ppb
18) T,M Naphthalene	14.55	2882	NoCal	ppb

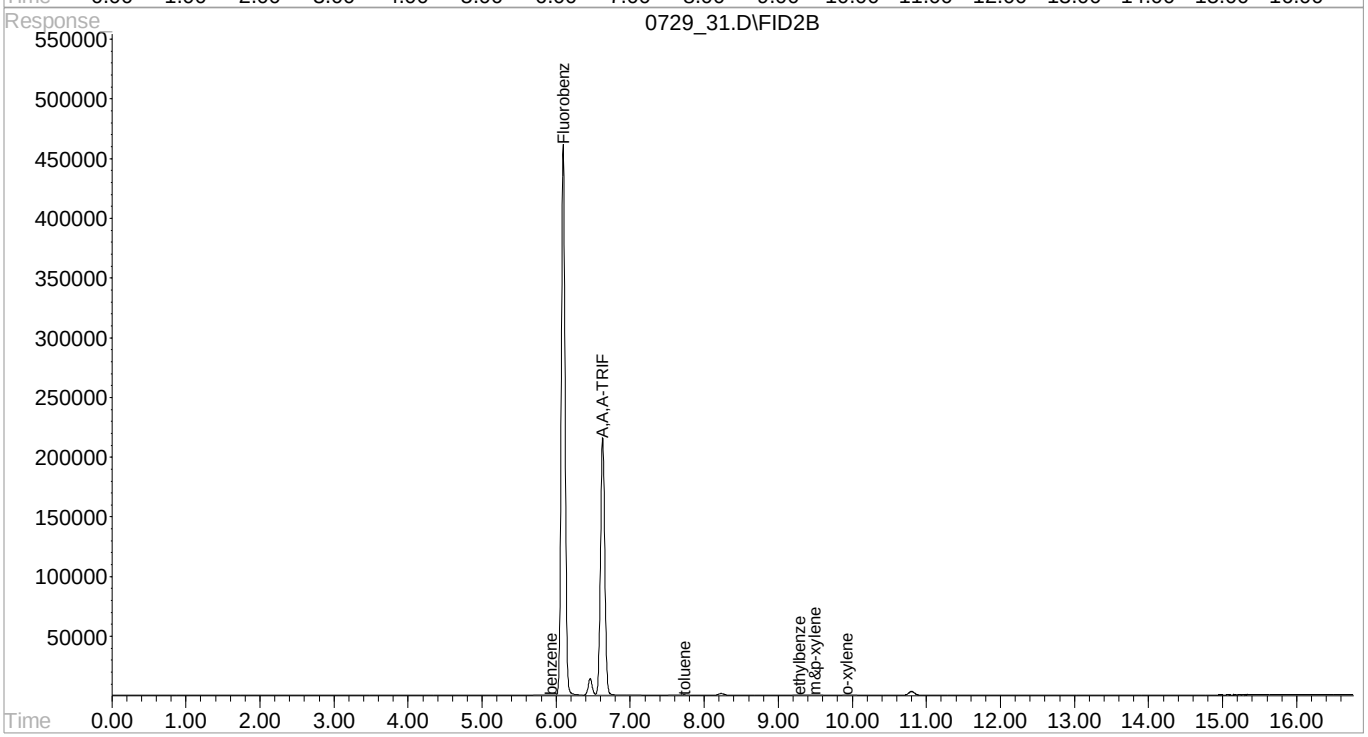
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\072914\0729 31.D\FID1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\072914\0729 31.D\FID2B.CH
Acq On : 30 Jul 2014 11:19 am Operator: 621
Sample : L712424-07 1x WG734192 GRO Inst : VOCGC1
Misc : water SURIS14F10114 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jul 31 13:47 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Calibration

Initial Calibration Raw Data

Instrument ID : VOCGC1 Review Protocol : SW846

Method : BG01F19N Review Method : 8015-8021

Data Released By: John A. Heath Jr. 20-JUN-2014 01:58:21 PM
Date

Analyst Comments:

Linear Regression Curve Fit has been used for calibrating TPHG C5 - C12-1, TPHG C6 - C12-1, TPHGAK C6 to C10-1 & TPH (GC/FID) Low Fraction-1. %Recovery criteria has not been met for A,A,A-TRIFLUOROTOLUENE(FID)-1.

Instrument: VOCGC1
Method: BG01F19N

Initial Calibration Run Log

File ID	Level ID	Date Analyzed
0619_42.D	0.5	6/20/2014 3:49:00 AM
0619_43.D	1	6/20/2014 4:11:00 AM
0619_44.D	5	6/20/2014 4:34:00 AM
0619_45.D	10	6/20/2014 4:56:00 AM
0619_46.D	25	6/20/2014 5:18:00 AM
0619_47.D	50	6/20/2014 5:40:00 AM
0619_48.D	100	6/20/2014 6:02:00 AM
0619_49.D	150	6/20/2014 6:25:00 AM
0619_50.D	200	6/20/2014 6:47:00 AM
0619_51.D	250	6/20/2014 7:09:00 AM
0619_55.D	.05G	6/20/2014 8:38:00 AM
0619_56.D	.11G	6/20/2014 9:00:00 AM
0619_57.D	.55G	6/20/2014 9:23:00 AM
0619_58.D	1.1G	6/20/2014 9:45:00 AM
0619_59.D	2.7G	6/20/2014 10:07:00 AM
0619_60.D	5.5G	6/20/2014 10:29:00 AM
0619_61.D	11G	6/20/2014 10:51:00 AM

Mint Miner 2.03 (80118) Directory Scan: y:\061914

20 Jun 2014 15:12

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\061914\0619_02.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_02.D\FID1A.CH					
0	Scanned		621	VOCGC1	ICV BTEX (water SURIS14C12923)
Scan File Path: y:\061914\0619_03.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_03.D\FID1A.CH					
0	Scanned		621	VOCGC1	ICV GRO (water SURIS14C12923)
Scan File Path: y:\061914\0619_04.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_04.D\FID1A.CH					
0	Scanned		621	VOCGC1	LCS (water SURIS14C12923)
Scan File Path: y:\061914\0619_05.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_05.D\FID1A.CH					
0	Scanned		621	VOCGC1	LCSD (water SURIS14C12923)
Scan File Path: y:\061914\0619_06.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_06.D\FID1A.CH					
0	Scanned		621	VOCGC1	GROICV (water SURIS14C12923)
Scan File Path: y:\061914\0619_07.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_07.D\FID1A.CH					
0	Scanned		621	VOCGC1	GROLCS (water SURIS14C12923)
Scan File Path: y:\061914\0619_08.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_08.D\FID1A.CH					
0	Scanned		621	VOCGC1	GROLCSD (water SURIS14C12923)
Scan File Path: y:\061914\0619_09.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_09.D\FID1A.CH					
0	Scanned		621	VOCGC1	MS (water SURIS14C12923)
Scan File Path: y:\061914\0619_10.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_10.D\FID1A.CH					
0	Scanned		621	VOCGC1	MSD (water SURIS14C12923)
Scan File Path: y:\061914\0619_11.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_11.D\FID1A.CH					
0	Scanned		621	VOCGC1	GROMS (water SURIS14C12923)
Scan File Path: y:\061914\0619_12.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_12.D\FID1A.CH					
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Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\061914\0619_13.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_13.D\FID1A.CH					
0	Scanned		621	VOCGC1	INSTBLK (water SURIS14C12923)
Scan File Path: y:\061914\0619_14.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_14.D\FID1A.CH					
0	Scanned		621	VOCGC1	BLANK (water SURIS14C12923)
Scan File Path: y:\061914\0619_15.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_15.D\FID1A.CH					
0	Scanned		621	VOCGC1	L704679-03 1x WG727390 BTEX (water SURI
Scan File Path: y:\061914\0619_15A.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_15.D\FID1A.CH					
0	Scanned		621	VOCGC1	L704679-03 1x WG727390 BTEX (water SURI
Scan File Path: y:\061914\0619_16.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_16.D\FID1A.CH					
0	Scanned		621	VOCGC1	L704713-06 1x WG727390 GROWY (water SU
Scan File Path: y:\061914\0619_17.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_17.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705049-01 1x WG727390 GRO (water SURIS
Scan File Path: y:\061914\0619_18.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_18.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705084-01 1x WG727390 GRO (water SURIS
Scan File Path: y:\061914\0619_19.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_19.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705218-18 1x WG727390 GRO (water SURIS
Scan File Path: y:\061914\0619_20.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_20.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705218-19 1x WG727390 GRO (water SURIS
Scan File Path: y:\061914\0619_21.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_21.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705218-20 1x WG727390 GRO (water SURIS
Scan File Path: y:\061914\0619_22.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_22.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705218-21 1x WG727390 GRO (water SURIS

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\061914\0619_23.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_23.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705351-01 1x WG727390 BTEXGRO (water S
Scan File Path: y:\061914\0619_24.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_24.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705351-02 1x WG727390 BTEXGRO (water S
Scan File Path: y:\061914\0619_25.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_25.D\FID1A.CH					
0	Scanned		621	VOCGC1	INSTBLK (water SURIS14C12923)
Scan File Path: y:\061914\0619_26.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_26.D\FID1A.CH					
0	Scanned		621	VOCGC1	BCCV (water SURIS14C12923)
Scan File Path: y:\061914\0619_27.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_27.D\FID1A.CH					
0	Scanned		621	VOCGC1	GCCV (water SURIS14C12923)
Scan File Path: y:\061914\0619_28.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_28.D\FID1A.CH					
0	Scanned		621	VOCGC1	GCCV (water SURIS14C12923)
Scan File Path: y:\061914\0619_29.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_29.D\FID1A.CH					
0	Scanned		621	VOCGC1	INSTBLK (water SURIS14C12923)
Scan File Path: y:\061914\0619_30.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_30.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705351-03 1x WG727390 BTEXGRO (water S
Scan File Path: y:\061914\0619_31.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_31.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705351-04 1x WG727390 BTEXGRO (water S
Scan File Path: y:\061914\0619_32.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_32.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705353-08 1x WG727390 BTEXGROM (wat
Scan File Path: y:\061914\0619_33.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_33.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705479-01 1x WG727390 GROWY (water SU

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\061914\0619_34.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_34.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705479-02 1x WG727390 GROWY (water SU
Scan File Path: y:\061914\0619_35.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_35.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705479-03 1x WG727390 GROWY (water SU
Scan File Path: y:\061914\0619_36.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_36.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705479-04 1x WG727390 GROWY (water SU
Scan File Path: y:\061914\0619_37.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_37.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705483-06 1x WG727390 GRO (water SURIS
Scan File Path: y:\061914\0619_38.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_38.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705483-07 1x WG727390 GRO (water SURIS
Scan File Path: y:\061914\0619_39.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_39.D\FID1A.CH					
0	Scanned		621	VOCGC1	L705483-08 1x WG727390 GRO (water SURIS
Scan File Path: y:\061914\0619_40.D					
Original Path: y:\061914\0619_40.D					
0	No Audit				
Scan File Path: y:\061914\0619_41.D					
Original Path: y:\061914\0619_41.D					
0	No Audit				
Scan File Path: y:\061914\0619_42.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_42.D\FID1A.CH					
9	Scanned	D(9)	621	VOCGC1	STD BTEX .5 ppb 14B19652 (water SURIS14
Scan File Path: y:\061914\0619_43.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_43.D\FID1A.CH					
9	Scanned	D(9)	621	VOCGC1	STD BTEX 1 ppb 14B19652 (water SURIS14C
Scan File Path: y:\061914\0619_44.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_44.D\FID1A.CH					
9	Scanned	D(9)	621	VOCGC1	STD BTEX 5 ppb 14B19652 (water SURIS14C

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\061914\0619_45.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_45.D\FID1A.CH					
9	Scanned	D(9)	621	VOCGC1	STD BTEX 10 ppb 14B19652 (water SURIS14
Scan File Path: y:\061914\0619_46.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_46.D\FID1A.CH					
9	Scanned	D(9)	621	VOCGC1	STD BTEX 25 ppb 14B19652 (water SURIS14
Scan File Path: y:\061914\0619_47.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_47.D\FID1A.CH					
18	Scanned	D(18)	621	VOCGC1	MSTD BTEX 50 ppb 14B19652 (water SURIS
Scan File Path: y:\061914\0619_48.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_48.D\FID1A.CH					
9	Scanned	D(9)	621	VOCGC1	STD BTEX 100 ppb 14B19652 (water SURIS1
Scan File Path: y:\061914\0619_49.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_49.D\FID1A.CH					
9	Scanned	D(9)	621	VOCGC1	STD BTEX 150 ppb 14B19652 (water SURIS1
Scan File Path: y:\061914\0619_50.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_50.D\FID1A.CH					
9	Scanned	D(9)	621	VOCGC1	STD BTEX 200 ppb 14B19652 (water SURIS1
Scan File Path: y:\061914\0619_51.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_51.D\FID1A.CH					
9	Scanned	D(9)	621	VOCGC1	STD BTEX 250 ppb 14B19652 (water SURIS1
Scan File Path: y:\061914\0619_52.D					
Original Path: y:\061914\0619_52.D					
0	No Audit				
Scan File Path: y:\061914\0619_53.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_53.D\FID1A.CH					
0	Scanned		621	VOCGC1	SSCV BTEX 50 ppb 14B19714 (water SURIS1
Scan File Path: y:\061914\0619_54.D					
Original Path: y:\061914\0619_54.D					
0	No Audit				
Scan File Path: y:\061914\0619_55.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_55.D\FID1A.CH					
0	Scanned		621	VOCGC1	STD GRO .055 ppm 14F17514 (water SURIS1

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\061914\0619_56.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_56.D\FID1A.CH					
16	Scanned	D(12), DK(2), DC(2)	621	VOCGC1	STD GRO .11 ppm 14F17514 (water SURIS14
Scan File Path: y:\061914\0619_57.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_57.D\FID1A.CH					
16	Scanned	D(12), DK(2), DC(2)	621	VOCGC1	STD GRO .55 ppm 14F17514 (water SURIS14
Scan File Path: y:\061914\0619_58.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_58.D\FID1A.CH					
18	Scanned	D(12), DK(2), DC(2), MQ(1), M(1)	621	VOCGC1	STD GRO 1.1 ppm 14F17514 (water SURIS14
Scan File Path: y:\061914\0619_59.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_59.D\FID1A.CH					
16	Scanned	D(12), DK(2), DC(2)	621	VOCGC1	STD GRO 2.75 ppm 14F17514 (water SURIS1
Scan File Path: y:\061914\0619_60.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_60.D\FID1A.CH					
32	Scanned	D(24), DK(4), DC(4)	621	VOCGC1	MSTD GRO 5.5 ppm 14F17514 (water SURIS
Scan File Path: y:\061914\0619_61.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_61.D\FID1A.CH					
16	Scanned	D(12), DK(2), DC(2)	621	VOCGC1	STD GRO 11 ppm 14F17514 (water SURIS14C
Scan File Path: y:\061914\0619_62.D					
Original Path: y:\061914\0619_62.D					
0	No Audit				
Scan File Path: y:\061914\0619_63.D					
Original Path: C:\HPCHEM\1\DATA\061914\0619_63.D\FID1A.CH					
0	Scanned		621	VOCGC1	SSCV GRO 5.5 ppm 14F17513 (water SURIS1

D = Deletion of any analyte
DK = Deletion of a spike compound
MQ = Manual integration and deletion of the same analyte
DC = Deletion of a CCC
M = Manual integration (non-specific)

ScanSummary.rpt

Total Files Scanned	Beginning Analyzed Date
Methods	Ending Analyzed Date
Samples	Analyzed Range
Tunes	Greatest Time Between Tunes
CCCs	Greatest Time Between CCCs

Distinct Method Last Updated count
Operators Intruments

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

Instrument ID : VOCGC1
Computer Name : VOCCOMPH

Released By : John A. Heath Jr.
Date Released : 6/20/2014 1:58:25 PM

Run ID : 061914
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
1	0619_13	INSTBLK	BG01B24N						1	1	06/19/14 1442	"water SURIS14C12923"
2	0619_25	INSTBLK	BG01B24N						1	1	06/19/14 1939	"water SURIS14C12923"
3	0619_29	INSTBLK	BG01B24N						1	1	06/19/14 2258	"water SURIS14C12923"
4	0619_42	STD BTEX .5 PPB 14B19652	BG01F19N						1	1	06/20/14 0349	"water SURIS14C12923"
5	0619_43	STD BTEX 1 PPB 14B19652	BG01F19N						1	1	06/20/14 0411	"water SURIS14C12923"
6	0619_44	STD BTEX 5 PPB 14B19652	BG01F19N						1	1	06/20/14 0434	"water SURIS14C12923"
7	0619_45	STD BTEX 10 PPB 14B19652	BG01F19N						1	1	06/20/14 0456	"water SURIS14C12923"
8	0619_46	STD BTEX 25 PPB 14B19652	BG01F19N						1	1	06/20/14 0518	"water SURIS14C12923"
9	0619_47	MSTD BTEX 50 PPB 14B19652	BG01F19N						1	1	06/20/14 0540	"water SURIS14C12923"
10	0619_48	STD BTEX 100 PPB 14B19652	BG01F19N						1	1	06/20/14 0602	"water SURIS14C12923"
11	0619_49	STD BTEX 150 PPB 14B19652	BG01F19N						1	1	06/20/14 0625	"water SURIS14C12923"
12	0619_50	STD BTEX 200 PPB 14B19652	BG01F19N						1	1	06/20/14 0647	"water SURIS14C12923"
13	0619_51	STD BTEX 250 PPB 14B19652	BG01F19N						1	1	06/20/14 0709	"water SURIS14C12923"
14	0619_53	SSCV BTEX 50 PPB 14B19714	BG01F19N						1	1	06/20/14 0753	"water SURIS14C12923"

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

Instrument ID : VOCGC1
Computer Name : VOCCOMPH
Released By : John A. Heath Jr.
Date Released : 6/20/2014 1:58:25 PM
Run ID : 061914
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
15	0619_55	STD GRO .055 PPM 14F17514	BG01F19N						1	1	06/20/14 0838	"water SURIS14C12923"
16	0619_56	STD GRO .11 PPM 14F17514	BG01F19N						1	1	06/20/14 0900	"water SURIS14C12923"
17	0619_57	STD GRO .55 PPM 14F17514	BG01F19N						1	1	06/20/14 0923	"water SURIS14C12923"
18	0619_58	STD GRO 1.1 PPM 14F17514	BG01F19N						1	1	06/20/14 0945	"water SURIS14C12923"
19	0619_59	STD GRO 2.75 PPM 14F17514	BG01F19N						1	1	06/20/14 1007	"water SURIS14C12923"
20	0619_60	MSTD GRO 5.5G PPM 14F17514	BG01F19N						1	1	06/20/14 1029	"water SURIS14C12923"
21	0619_61	STD GRO 11 PPM 14F17514	BG01F19N						1	1	06/20/14 1051	"water SURIS14C12923"
22	0619_63	SSCV GRO 5.5G PPM 14F17513	BG01F19N						1	1	06/20/14 1135	"water SURIS14C12923"

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCGC1	Review Method	: 8015-8021	Released By	: John A. Heath Jr.
Method	: BG01F19N	Review Protocol	: SW846	Released On	: 6/20/2014 1:58:25 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- BG01F19N -- ICal Updated Time: Fri Jun 20 13:55:12 2014

Parameter	Col	0.5	1	5	10	25	50	100	150	200	250	.05G	.11G	.55G	1.1G	2.7G	5.5G	11G	AvgRF	%RSD	COD	Cur
Fluorobenzene	1																					
TPHG C5 - C12	1											1246	1083	995	867	965	969	964	1013	11.93	1	0
TPHG C6 - C12	1											1108	958	834	753	840	835	839	881	13.23	1	0
TPHGAK C6 to C10	1											961.7	821.2	728.9	646.7	719.9	723.9	718.2	760.1	13.47	1	0
TPH (GC/FID) Low Fraction	1											999.1	856.2	764.9	676.6	752.9	758.6	751.9	794.3	13.13	1	0
A,A,A-TRIFLUOROTOLUENE(FID)	1											0.773	0.762	0.711	0.74	0.752	0.792	0.881	0.773	6.99	0.07	1
Fluorobenzene	2																					
A,A,A-TRIFLUOROTOLUENE(PID)	2	0.54	0.536	0.536	0.528	0.524	0.518	0.513	0.51	0.503	0.497								0.52	2.8	0.028	1
Methyl Tert-Butyl Ether	2	0.749	0.834	0.649	0.564	0.576	0.581	0.568	0.509	0.543	0.569								0.614	16.58	0.166	1
benzene	2	2.145	2.087	1.932	1.651	1.722	1.8	1.781	1.649	1.764	1.832								1.836	9.24	0.092	1
toluene	2		2.117	1.913	1.606	1.651	1.713	1.695	1.566	1.671	1.735								1.741	9.85	0.099	1
ethylbenzene	2	1.797	1.732	1.629	1.403	1.468	1.53	1.521	1.407	1.5	1.558								1.554	8.38	0.084	1
m&p-xylene	2	2.096	1.974	1.798	1.542	1.616	1.684	1.677	1.548	1.642	1.697								1.728	10.46	0.105	1
o-xylene	2	1.857	1.771	1.604	1.375	1.419	1.477	1.458	1.343	1.428	1.474								1.521	11.24	0.112	1
1,3,5-Trimethylbenzene	2																		0	0	0	1
1,2,4-Trimethylbenzene	2																		0	0	0	1
Naphthalene	2																		0	0	0	1

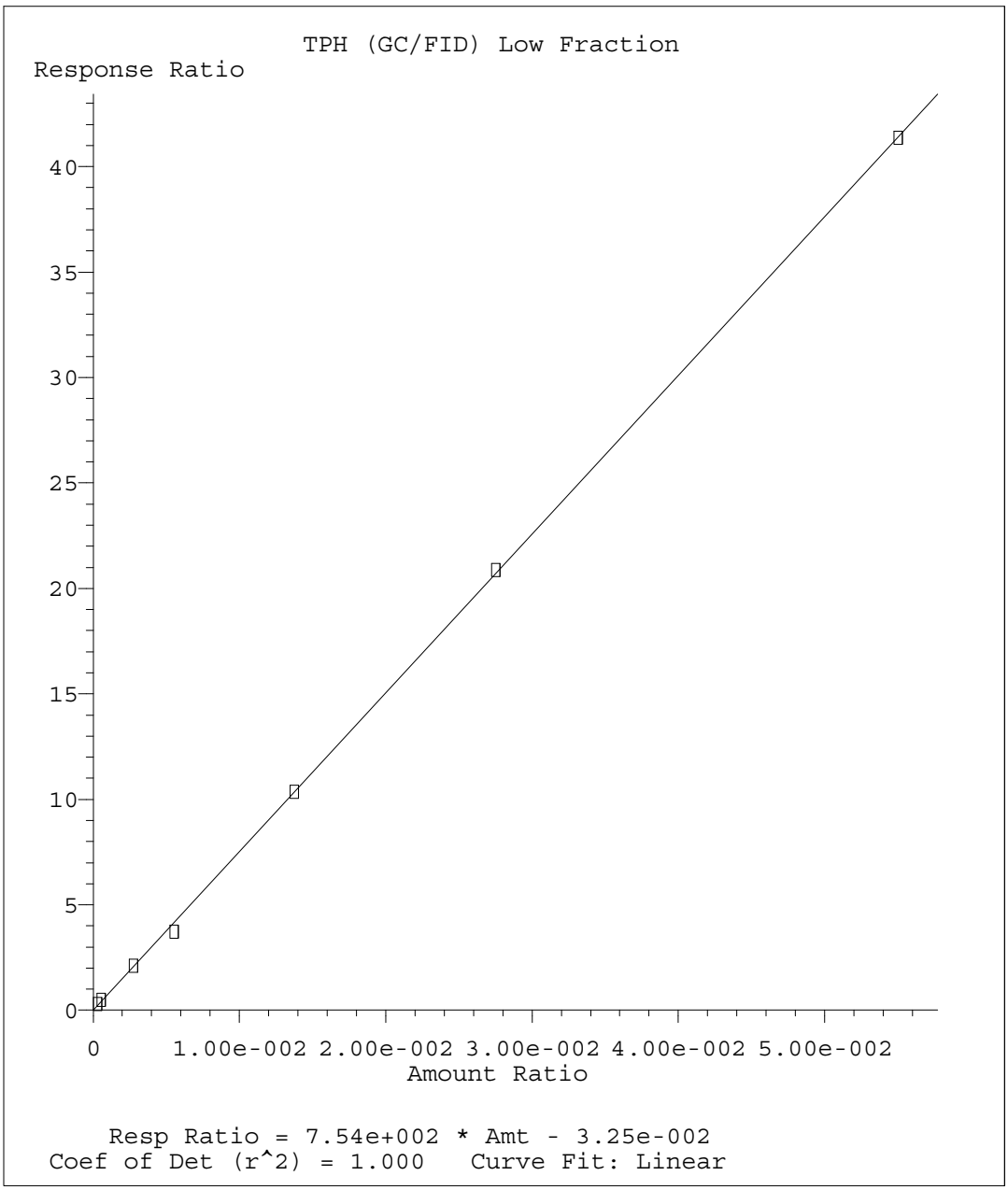
PDF Generated On: 6/20/2014 By: John A. Heath Jr.

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

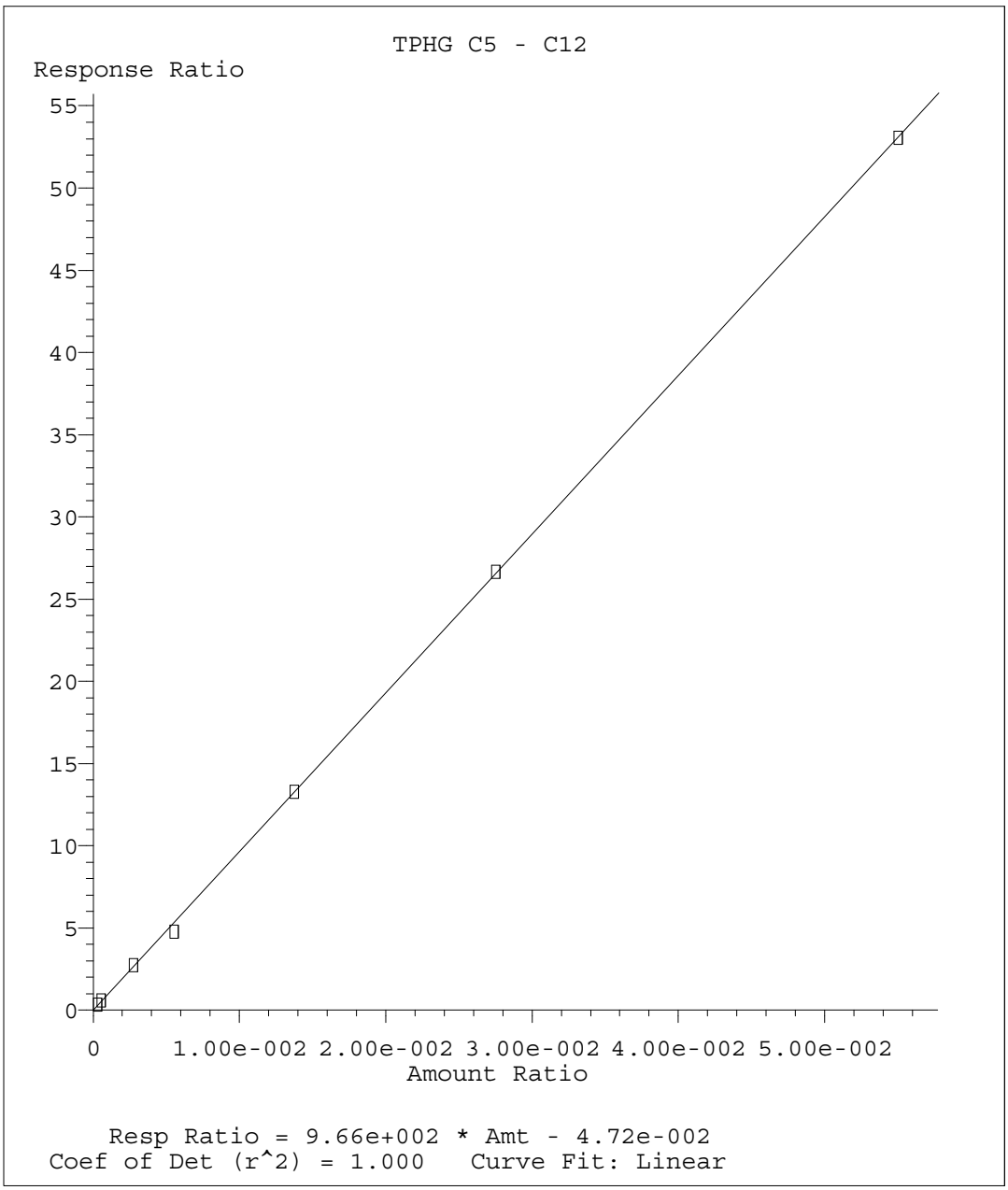
Manual Integrations - Audit Trail

Instrument ID	: VOCGC1	Method	: BG01F19N
Released By	: John A. Heath Jr.	Review Method	: 8015-8021
Released On	: 6/20/2014 1:58:41 PM	Review Protocol	: SW846

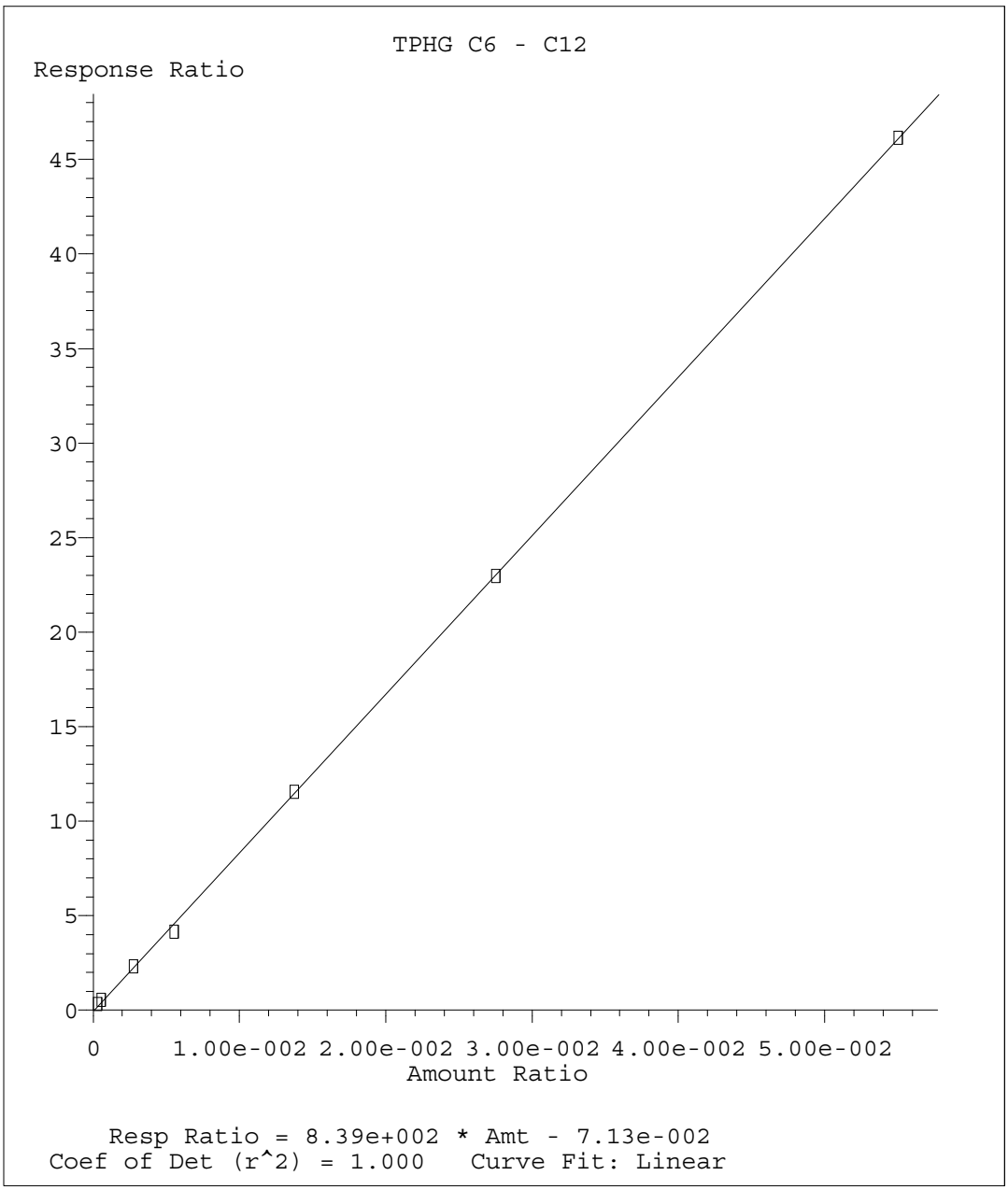
File ID	Level ID	Parameter	Old Conc.	New Conc.	Old Resp.	New Resp.
0619_58.D	1.1G	Fluorobenzene #1	200ppb	200ppb	8.29944e+006	7.63191e+006



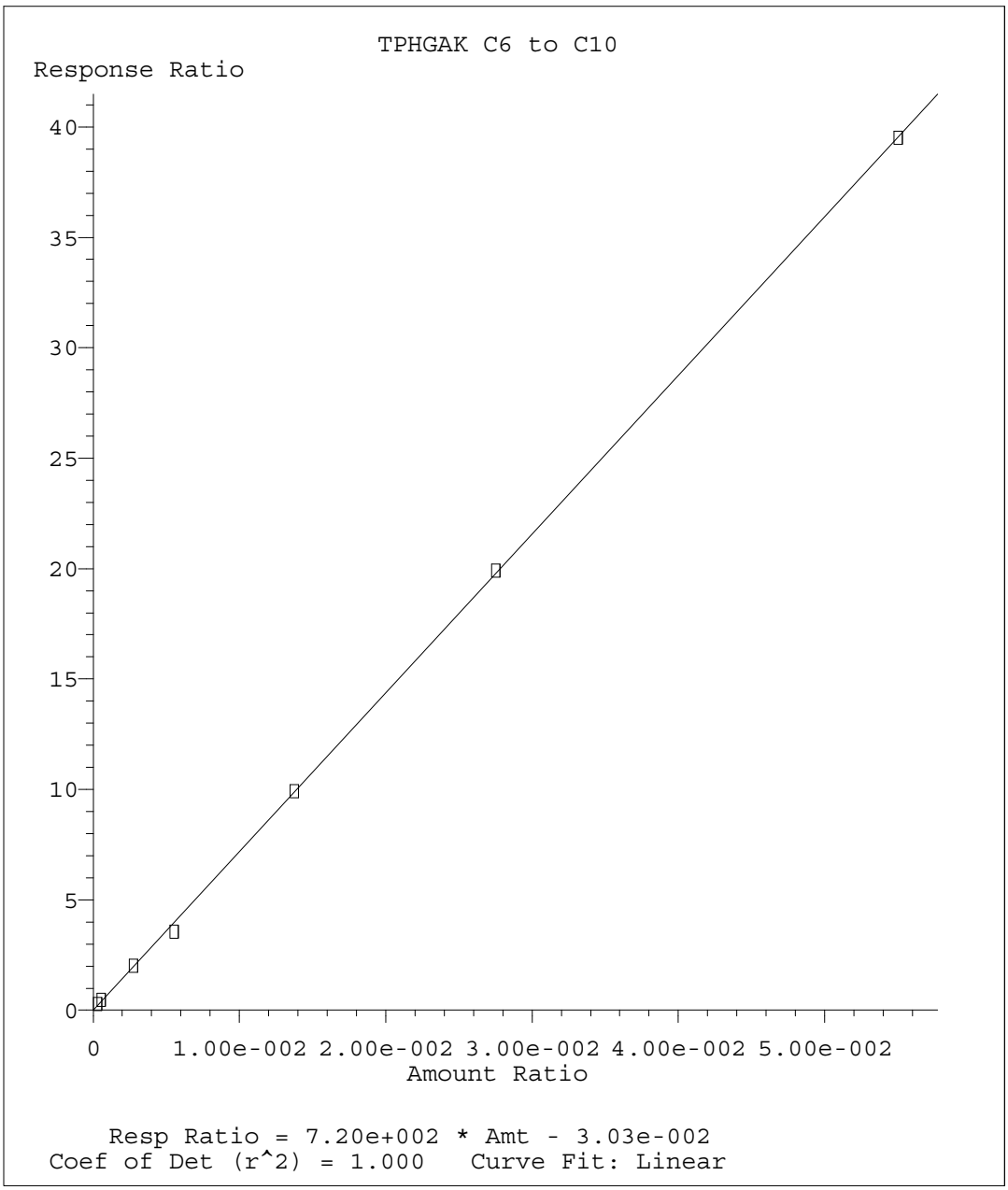
Method Name: C:\HPCHEM\1\METHODS\BG01F19N.M



Method Name: C:\HPCHEM\1\METHODS\BG01F19N.M



Method Name: C:\HPCHEM\1\METHODS\BG01F19N.M



Method Name: C:\HPCHEM\1\METHODS\BG01F19N.M

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

IS - SURROGATE SUMMARY REPORT

Instrument ID : VOCGC1
Run ID : 061914
CCV File ID : 0619_47
CCV Analyzed At : 06/20/14 0540
Tune File ID :
Tune Analyzed At :

Sample File ID	Lab Sample ID	Dilution	Product	Matrix	Fluorobenzene	A,A,A-TRIFLUOROTOLUENE(FID)	A,A,A-TRIFLUOROTOLUENE(PID)									
0619_42	STD BTEX .5 PPB 14B19652	1			0	0	104									
0619_43	STD BTEX 1 PPB 14B19652	1			0	0	104									
0619_44	STD BTEX 5 PPB 14B19652	1			0	0	105									
0619_45	STD BTEX 10 PPB 14B19652	1			0	0	105									
0619_46	STD BTEX 25 PPB 14B19652	1			0	0	105									
0619_47	MSTD BTEX 50 PPB 14B19652	1			0	0	105									
0619_48	STD BTEX 100 PPB 14B19652	1			0	0	105									
0619_49	STD BTEX 150 PPB 14B19652	1			0	0	105									
0619_50	STD BTEX 200 PPB 14B19652	1			0	0	105									
0619_51	STD BTEX 250 PPB 14B19652	1			0	0	104									
SECOND COLUMN																
0619_42	STD BTEX .5 PPB 14B19652	1			2.132819E+07	0	104									
0619_43	STD BTEX 1 PPB 14B19652	1			2.116641E+07	0	104									
0619_44	STD BTEX 5 PPB 14B19652	1			2.072163E+07	0	105									
0619_45	STD BTEX 10 PPB 14B19652	1			2.150776E+07	0	105									
0619_46	STD BTEX 25 PPB 14B19652	1			2.110303E+07	0	105									
0619_47	MSTD BTEX 50 PPB 14B19652	1			2.154132E+07	0	105									
0619_48	STD BTEX 100 PPB 14B19652	1			2.166336E+07	0	105									

IS - SURROGATE SUMMARY REPORT

0619_49	STD BTEX 150 PPB 14B19652	1			2.124073E +07	0	105										
0619_50	STD BTEX 200 PPB 14B19652	1			2.164099E +07	0	105										
0619_51	STD BTEX 250 PPB 14B19652	1			2.040118E +07	0	104										

Sample File ID with Red Background = Tune window failure, * = IS/Surr failure

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

IS - SURROGATE SUMMARY REPORT

Instrument ID	: VOCGC1	CCV File ID	: 0619_60	Tune File ID	:
Run ID	: 061914	CCV Analyzed At	: 06/20/14 1029	Tune Analyzed At	:

Sample File ID	Lab Sample ID	Dilution	Product	Matrix	Fluorobenzene	A,A,A-TRIFLUOROTOLUENE(FID)	A,A,A-TRIFLUOROTOLUENE(PID)										
0619_55	STD GRO .055 PPM 14F17514	1			7565422	97.6	103										
0619_56	STD GRO .11 PPM 14F17514	1			7575494	97.2	0										
0619_57	STD GRO .55 PPM 14F17514	1			8007740	91.7	0										
0619_58	STD GRO 1.1 PPM 14F17514	1			7631913	96.3	0										
0619_59	STD GRO 2.75 PPM 14F17514	1			7943452	98.7	0										
0619_60	MSTD GRO 5.5G PPM 14F17514	1			8210996	105	0										
0619_61	STD GRO 11 PPM 14F17514	1			8334862	118	0										
SECOND COLUMN																	
0619_55	STD GRO .055 PPM 14F17514	1			2.132858E+07*	0	103										
0619_56	STD GRO .11 PPM 14F17514	1			0	0	0										
0619_57	STD GRO .55 PPM 14F17514	1			0	0	0										
0619_58	STD GRO 1.1 PPM 14F17514	1			0	0	0										
0619_59	STD GRO 2.75 PPM 14F17514	1			0	0	0										
0619_60	MSTD GRO 5.5G PPM 14F17514	1			0	0	0										
0619_61	STD GRO 11 PPM 14F17514	1			0	0	0										

Sample File ID with Red Background = Tune window failure, * = IS/Surr failure

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID2B.CH
Acq On : 19 Jun 2014 10:58 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:18 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

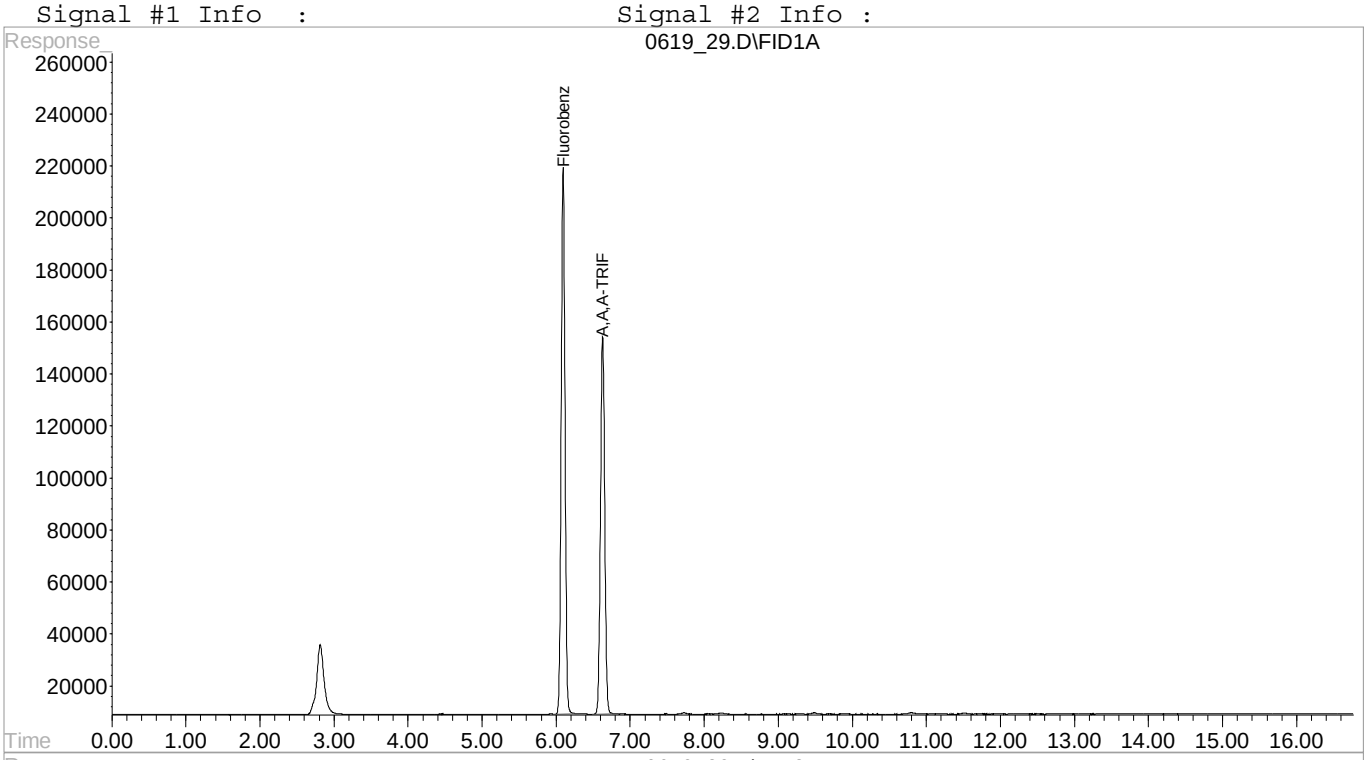
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7538258	200.0000000	ppb
8) I Fluorobenzene #2	6.10	21169526	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5803676	200.4727298	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 100.24%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	11485541	211.6903561	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.85%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	863167	N.D.	ppm
3) H,M TPHG C6 - C12	5.70	785530	N.D.	ppm
4) h,m TPHGAK C6 to C10	5.70	476390	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	520138	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.47	24733	0.3920172	ppb
11) T,M benzene	5.93	20744	0.1098129	ppb
12) T,M toluene	7.73	99405	0.5667847	ppb
13) T,M ethylbenzene	9.29	25654	0.1627743	ppb
14) T,M m&p-xylene	9.48	103889	0.5948467	ppb
15) T,M o-xylene	9.90	45980	0.3012972	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	30390	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	79353	NoCal	ppb
18) T,M Naphthalene	14.61	10126	NoCal	ppb

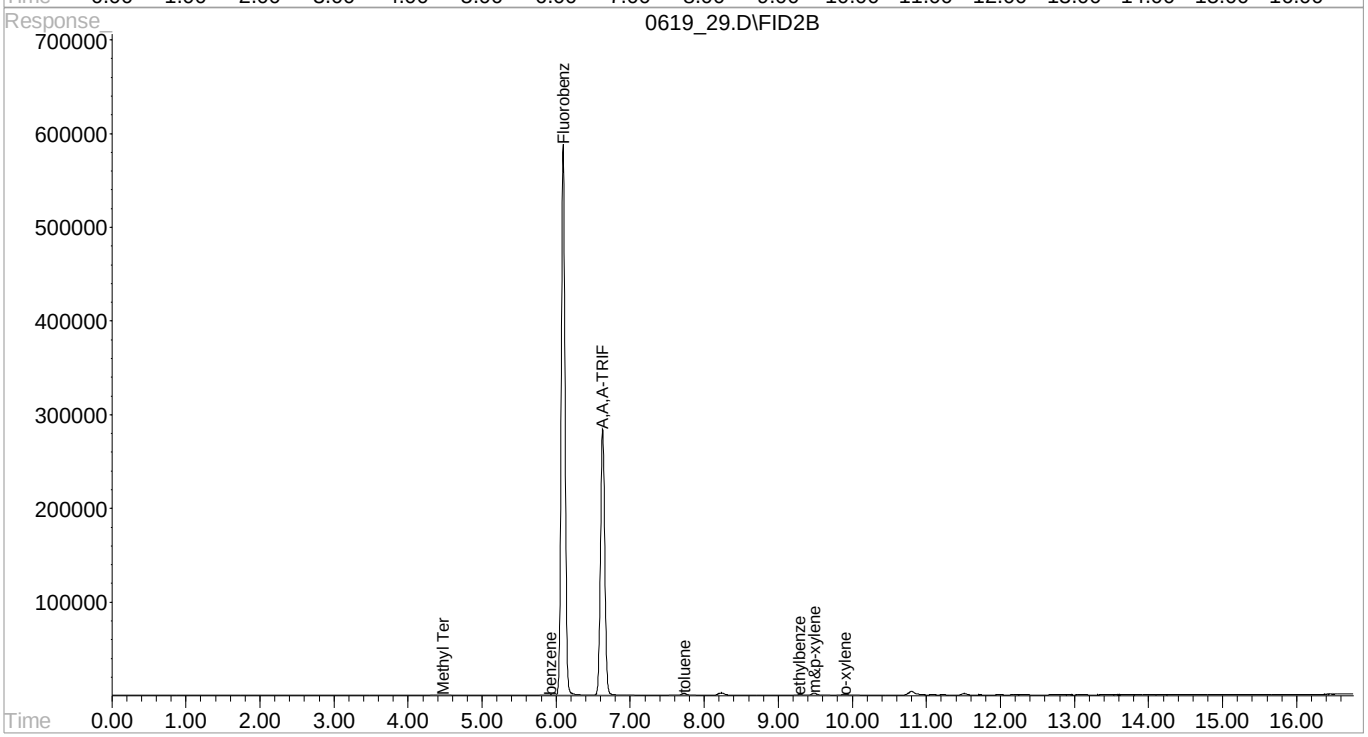
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID2B.CH
Acq On : 19 Jun 2014 10:58 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:18 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID2B.CH
Acq On : 19 Jun 2014 10:58 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:18 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

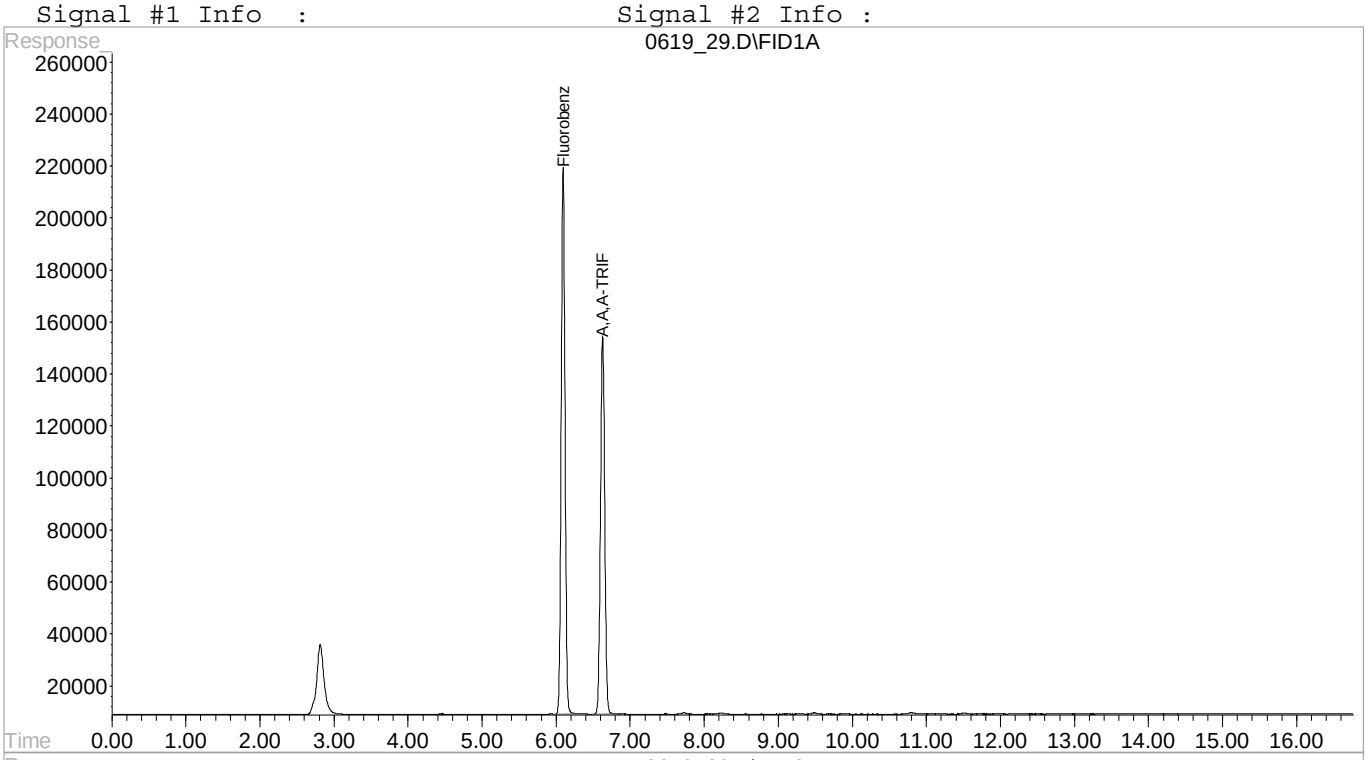
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7538258	200.0000000	ppb
8) I Fluorobenzene #2	6.10	21169526	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5803676	200.4727298	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 100.24%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	11485541	211.6903561	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.85%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	863167	N.D.	ppm
3) H,M TPHG C6 - C12	5.70	785530	N.D.	ppm
4) h,m TPHGAK C6 to C10	5.70	476390	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	520138	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.47	24733	0.3920172	ppb
11) T,M benzene	5.93	20744	0.1098129	ppb
12) T,M toluene	7.73	99405	0.5667847	ppb
13) T,M ethylbenzene	9.29	25654	0.1627743	ppb
14) T,M m&p-xylene	9.48	103889	0.5948467	ppb
15) T,M o-xylene	9.90	45980	0.3012972	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	30390	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	79353	NoCal	ppb
18) T,M Naphthalene	14.61	10126	NoCal	ppb

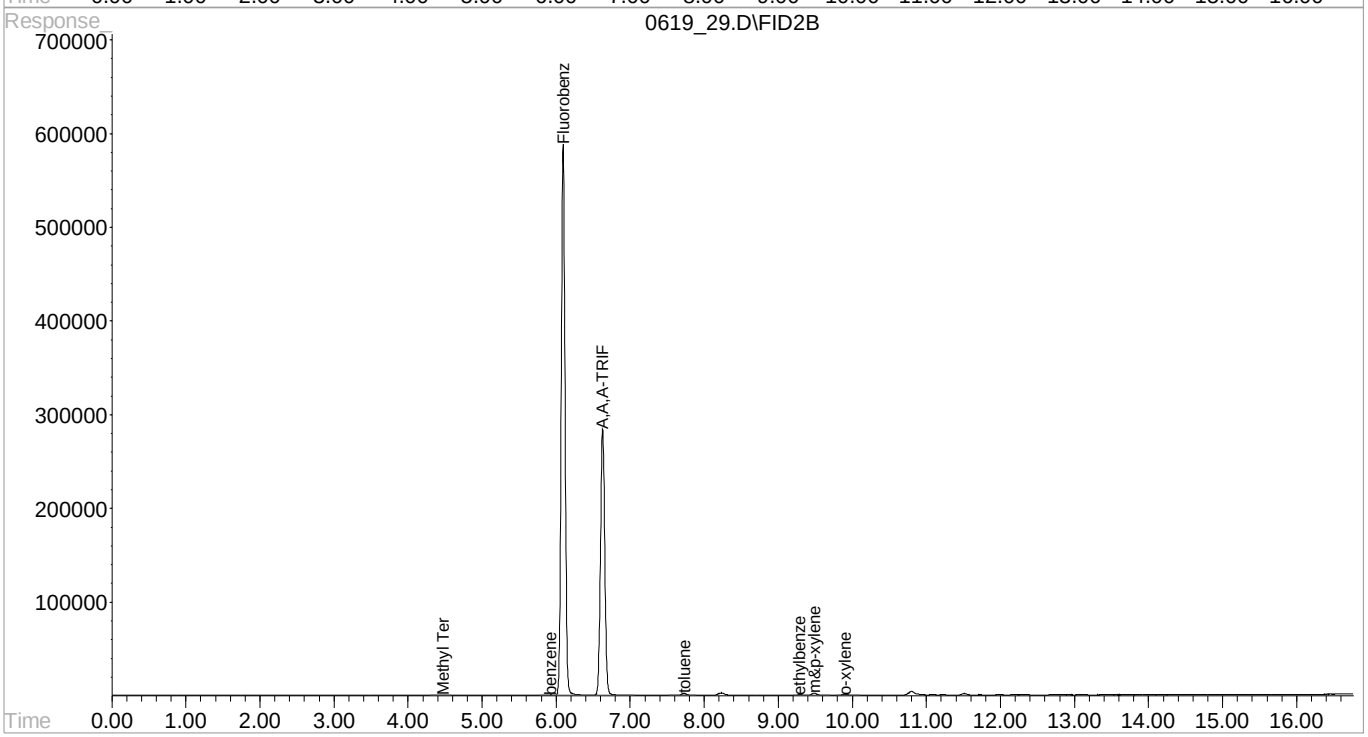
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID2B.CH
Acq On : 19 Jun 2014 10:58 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:18 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID2B.CH
Acq On : 19 Jun 2014 10:58 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:18 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

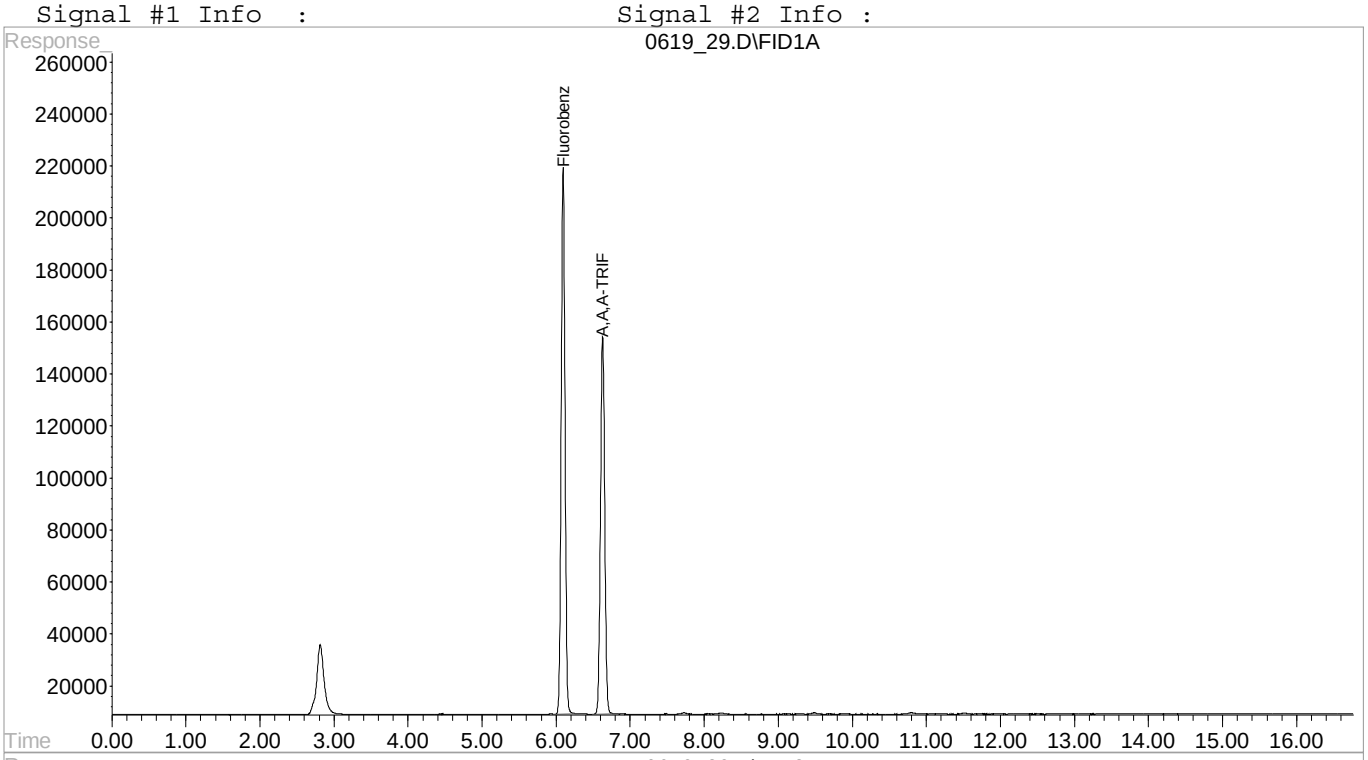
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.10	7538258	200.0000000	ppb
8) I Fluorobenzene #2	6.10	21169526	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.63	5803676	200.4727298	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 100.24%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.63	11485541	211.6903561	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.85%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	863167	N.D.	ppm
3) H,M TPHG C6 - C12	5.70	785530	N.D.	ppm
4) h,m TPHGAK C6 to C10	5.70	476390	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	520138	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.47	24733	0.3920172	ppb
11) T,M benzene	5.93	20744	0.1098129	ppb
12) T,M toluene	7.73	99405	0.5667847	ppb
13) T,M ethylbenzene	9.29	25654	0.1627743	ppb
14) T,M m&p-xylene	9.48	103889	0.5948467	ppb
15) T,M o-xylene	9.90	45980	0.3012972	ppb
16) T,M 1,3,5-Trimethylbenzene	11.08	30390	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.51	79353	NoCal	ppb
18) T,M Naphthalene	14.61	10126	NoCal	ppb

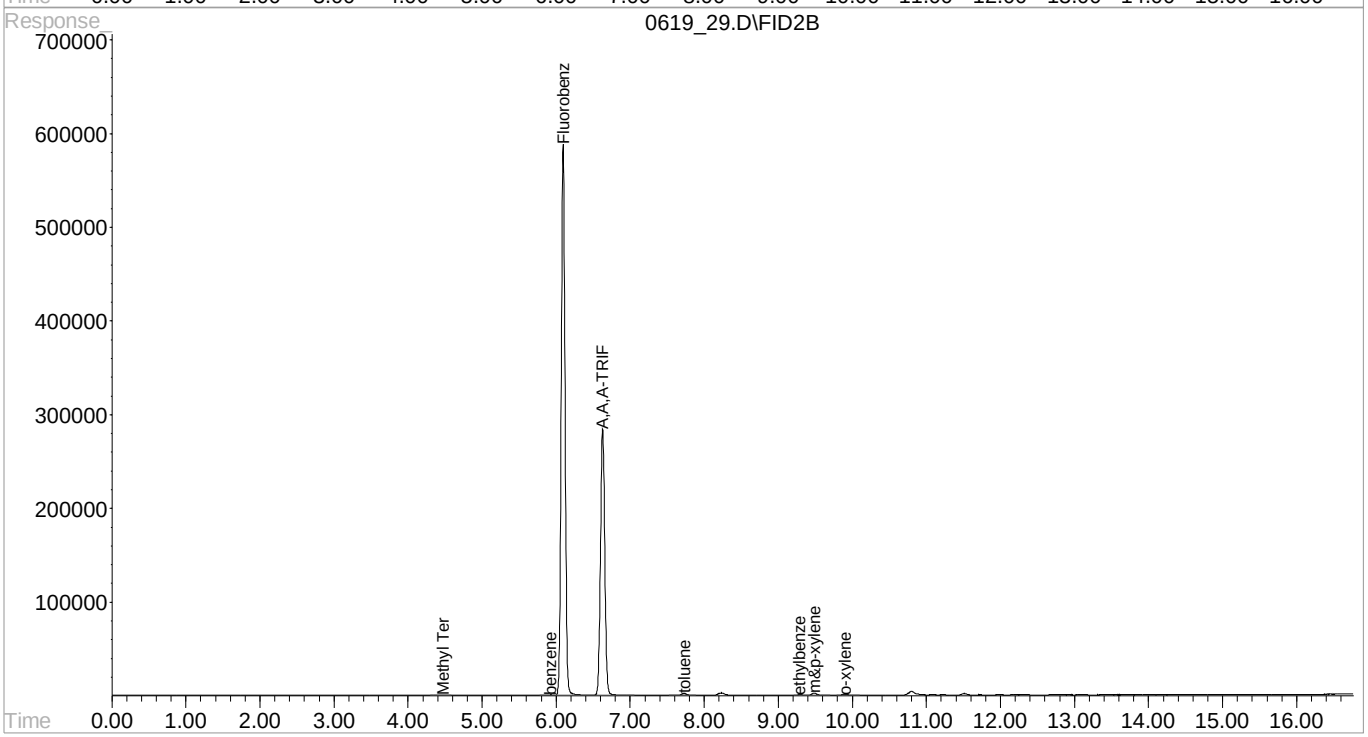
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 29.D\FID2B.CH
Acq On : 19 Jun 2014 10:58 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:18 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID	: VOCGC1	Analysis Date	: 06/20/14 0753	ICal Method	: 8015-8021
Lab File ID	: 0619_53	Quant Method	: BG01F19N	ICal Protocol	: SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	RF	% Rec	%Rec LL	%RecHL
Methyl Tert-Butyl Ether	2	2988387	0.05	0.2	2.094147E+07	0.5708075	92.9	80	120
benzene	2	9282991	0.05	0.2	2.094147E+07	1.773131	96.6	80	120
toluene	2	8830420	0.05	0.2	2.094147E+07	1.686686	96.9	80	120
ethylbenzene	2	7883590	0.05	0.2	2.094147E+07	1.505833	96.9	80	120
m&p-xylene	2	1.788289E+07	0.1	0.2	2.094147E+07	1.707893	98.9	80	120
o-xylene	2	7645325	0.05	0.2	2.094147E+07	1.460322	96	80	120
XYLENES, TOTAL	2	2.552822E+07	0.15	0.2	2.094147E+07	1.625369	97.9	80	120
1,3,5-Trimethylbenzene	2	1.031533E+07	0	0.2	2.094147E+07	0			
1,2,4-Trimethylbenzene	2	7534028	0	0.2	2.094147E+07	0			
Naphthalene	2	794503	0	0.2	2.094147E+07	0			
TPHG C6 - C12	1	2.221779E+07	0	0.2	7553060	0			
TPH (GC/FID) Low Fraction	1	2.191506E+07	0	0.2	7553060	0			
TPHG C5 - C12	1	2.228852E+07	0	0.2	7553060	0			
TPHGAK C6 to C10	1	1.954521E+07	0	0.2	7553060	0			

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
Fluorobenzene	7553060	0	0	6.12		
Fluorobenzene-2	2.094147E+07	1.08E+07	4.31E+07	6.12		

Quantitation Report (Not Reviewed)

```
Signal #1 : C:\HPCHEM\1\DATA\061914\0619 53.D\FID1A.CH   Vial: 52
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 53.D\FID2B.CH
Acq On    : 20 Jun 2014   7:53 am                    Operator: 621
Sample    : SSCV BTEX 50 ppb 14B19714                Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:46 2014  Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:45:33 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```

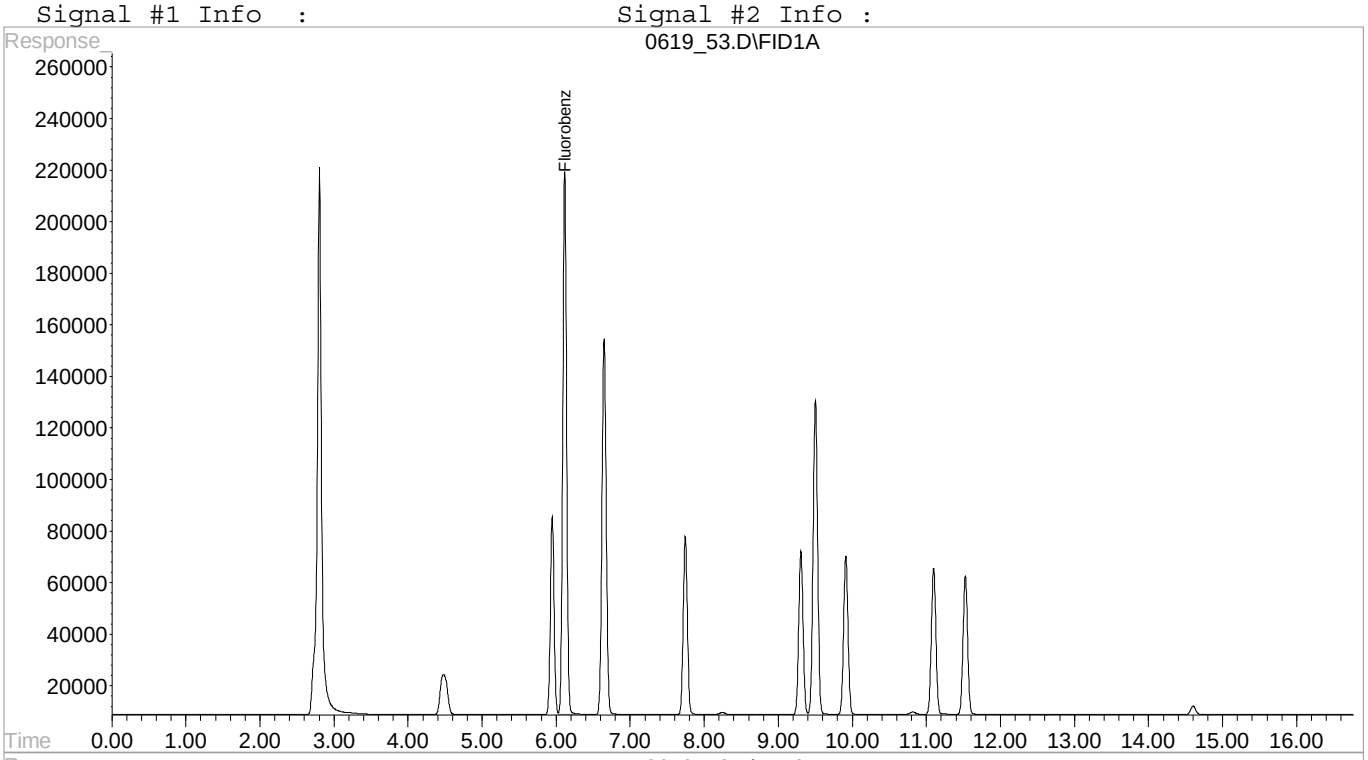
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	7553060	200.0000000	ppb
8) I Fluorobenzene #2	6.12	20941469	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5814269	NoCal	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11262153	206.6614394	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 103.33%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	22288523	NoCal	ppm
3) H,M TPHG C6 - C12	5.70	22217792	NoCal	ppm
4) h,m TPHGAK C6 to C10	5.70	19545208	NoCal	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	21915063	NoCal	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	2988387	46.4740457	ppb
11) T,M benzene	5.95	9282991	48.2813204	ppb
12) T,M toluene	7.74	8830420	48.4434082	ppb
13) T,M ethylbenzene	9.31	7883590	48.4364619	ppb
14) T,M m&p-xylene	9.50	17882889	98.8645498	ppb
15) T,M o-xylene	9.91	7645325	48.0184510	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	10315326	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.53	7534028	NoCal	ppb
18) T,M Naphthalene	14.60	794503	NoCal	ppb

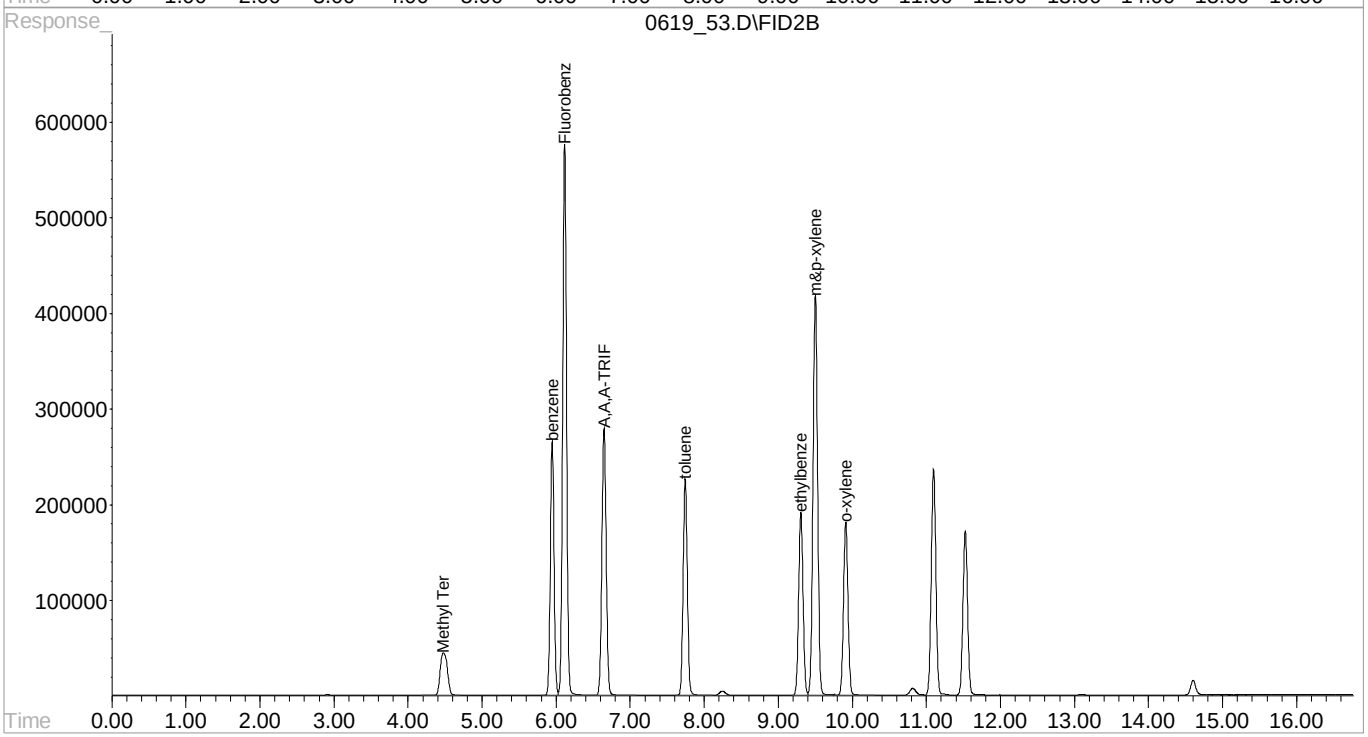
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 53.D\FID1A.CH Vial: 52
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 53.D\FID2B.CH
Acq On : 20 Jun 2014 7:53 am Operator: 621
Sample : SSCV BTEX 50 ppb 14B19714 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:45:33 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 53.D\FID1A.CH Vial: 52
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 53.D\FID2B.CH
Acq On : 20 Jun 2014 7:53 am Operator: 621
Sample : SSCV BTEX 50 ppb 14B19714 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:45:33 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

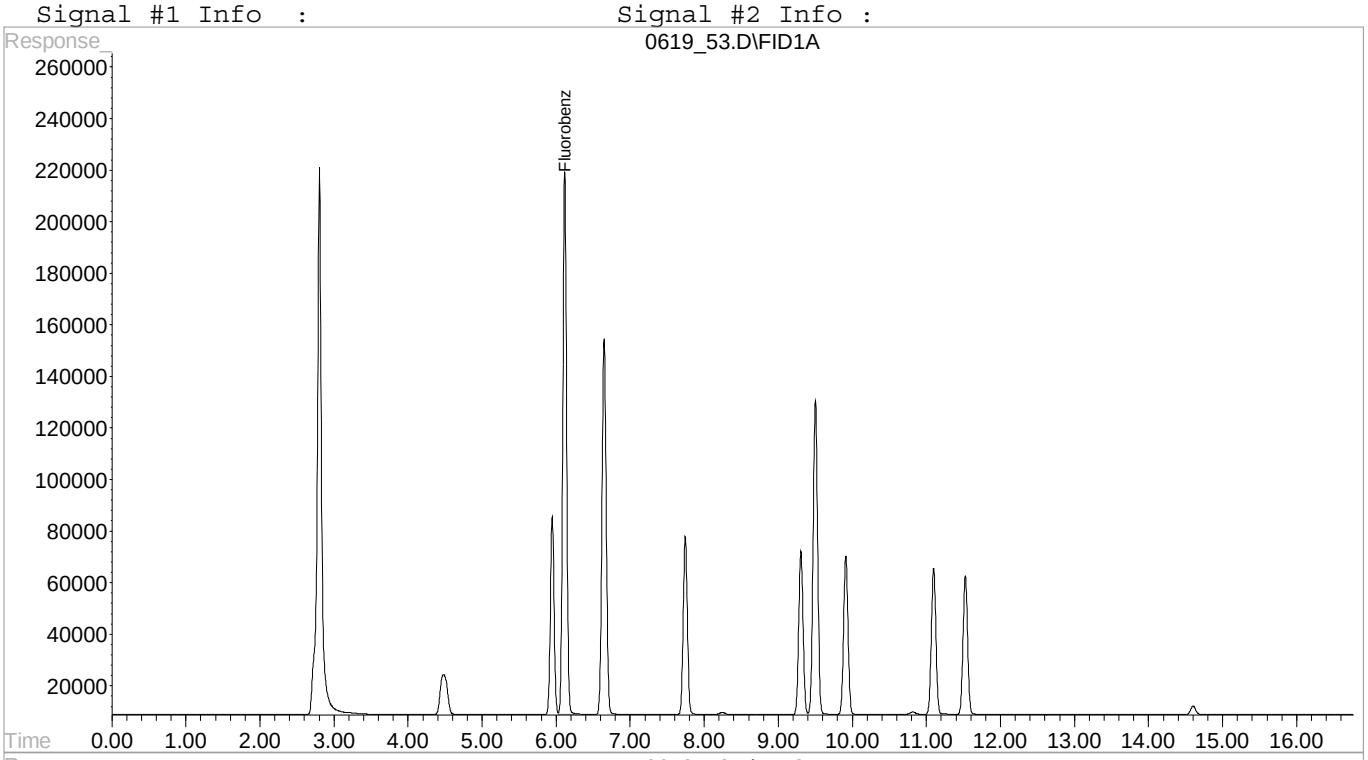
	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I Fluorobenzene #1	6.12	7553060	200.0000000	ppb
8)	I Fluorobenzene #2	6.12	20941469	200.0000000	ppb
	System Monitoring Compounds				
6)	S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5814269	NoCal	ppb
	Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9)	S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11262153	206.6614394	ppb
	Spiked Amount 200.000 Range 55 - 122		Recovery = 103.33%		
	Target Compounds				
2)	H,M TPHG C5 - C12	5.70	22288523	NoCal	ppm
3)	H,M TPHG C6 - C12	5.70	22217792	NoCal	ppm
4)	h,m TPHGAK C6 to C10	5.70	19545208	NoCal	ppm
5)	h,m TPH (GC/FID) Low Fraction	5.70	21915063	NoCal	ppm
10)	T,M Methyl Tert-Butyl Ether	4.48	2988387	46.4740457	ppb
11)	T,M benzene	5.95	9282991	48.2813204	ppb
12)	T,M toluene	7.74	8830420	48.4434082	ppb
13)	T,M ethylbenzene	9.31	7883590	48.4364619	ppb
14)	T,M m&p-xylene	9.50	17882889	98.8645498	ppb
15)	T,M o-xylene	9.91	7645325	48.0184510	ppb
16)	T,M 1,3,5-Trimethylbenzene	11.10	10315326	NoCal	ppb
17)	T,M 1,2,4-Trimethylbenzene	11.53	7534028	NoCal	ppb
18)	T,M Naphthalene	14.60	794503	NoCal	ppb

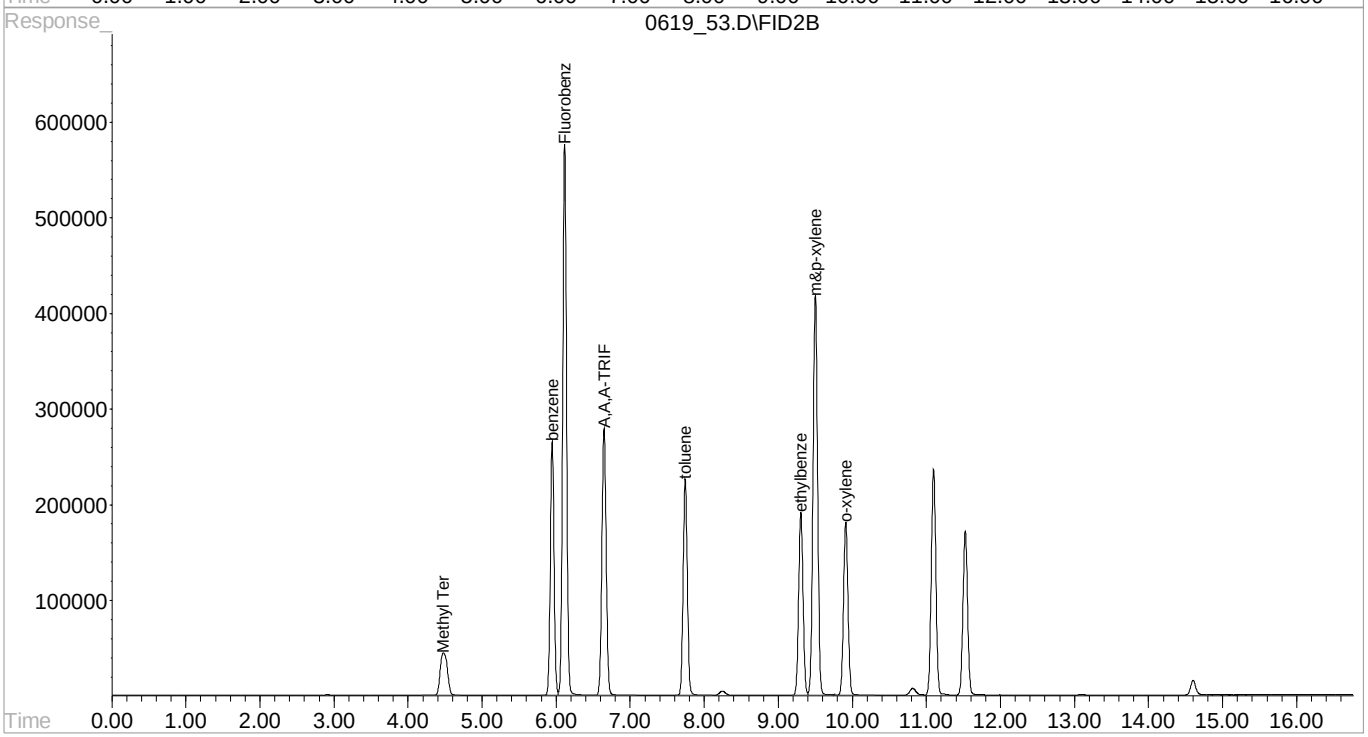
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 53.D\FID1A.CH Vial: 52
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 53.D\FID2B.CH
Acq On : 20 Jun 2014 7:53 am Operator: 621
Sample : SSCV BTEX 50 ppb 14B19714 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:46 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:45:33 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID	: VOCGC1	Analysis Date	: 06/20/14 1135	ICal Method	: 8015-8021
Lab File ID	: 0619_63	Quant Method	: BG01F19N	ICal Protocol	: SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	RF	% Rec	%Rec LL	%RecHL
Methyl Tert-Butyl Ether	2	8867111	0	0.2	2.241647E+07	0			
benzene	2	1.383358E+07	0	0.2	2.241647E+07	0			
toluene	2	8.037686E+07	0	0.2	2.241647E+07	0			
ethylbenzene	2	1.607353E+07	0	0.2	2.241647E+07	0			
m&p-xylene	2	6.214327E+07	0	0.2	2.241647E+07	0			
o-xylene	2	2.226935E+07	0	0.2	2.241647E+07	0			
XYLENES, TOTAL	2	8.441262E+07	0	0.2	2.241647E+07	0			
1,3,5-Trimethylbenzene	2	8952851	0	0.2	2.241647E+07	0			
1,2,4-Trimethylbenzene	2	2.371615E+07	0	0.2	2.241647E+07	0			
Naphthalene	2	230936	0	0.2	2.241647E+07	0			
TPHG C6 - C12	1	1.74368E+08	5.5	0.2	8454185	0.7500019	89.7	80	120
TPH (GC/FID) Low Fraction	1	1.593165E+08	5.5	0.2	8454185	0.6852615	91.1	80	120
TPHG C5 - C12	1	1.943456E+08	5.5	0.2	8454185	0.8359307	86.7	80	120
TPHGAK C6 to C10	1	1.516215E+08	5.5	0.2	8454185	0.6521633	90.8	80	120

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
Fluorobenzene	8454185	4110000	1.64E+07	6.11		
Fluorobenzene-2	2.241647E+07	0	0	6.11		

Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 63.D\FID1A.CH Vial: 62
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 63.D\FID2B.CH
Acq On : 20 Jun 2014 11:35 am Operator: 621
Sample : SSCV GRO 5.5g ppm 14F17513 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:55 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

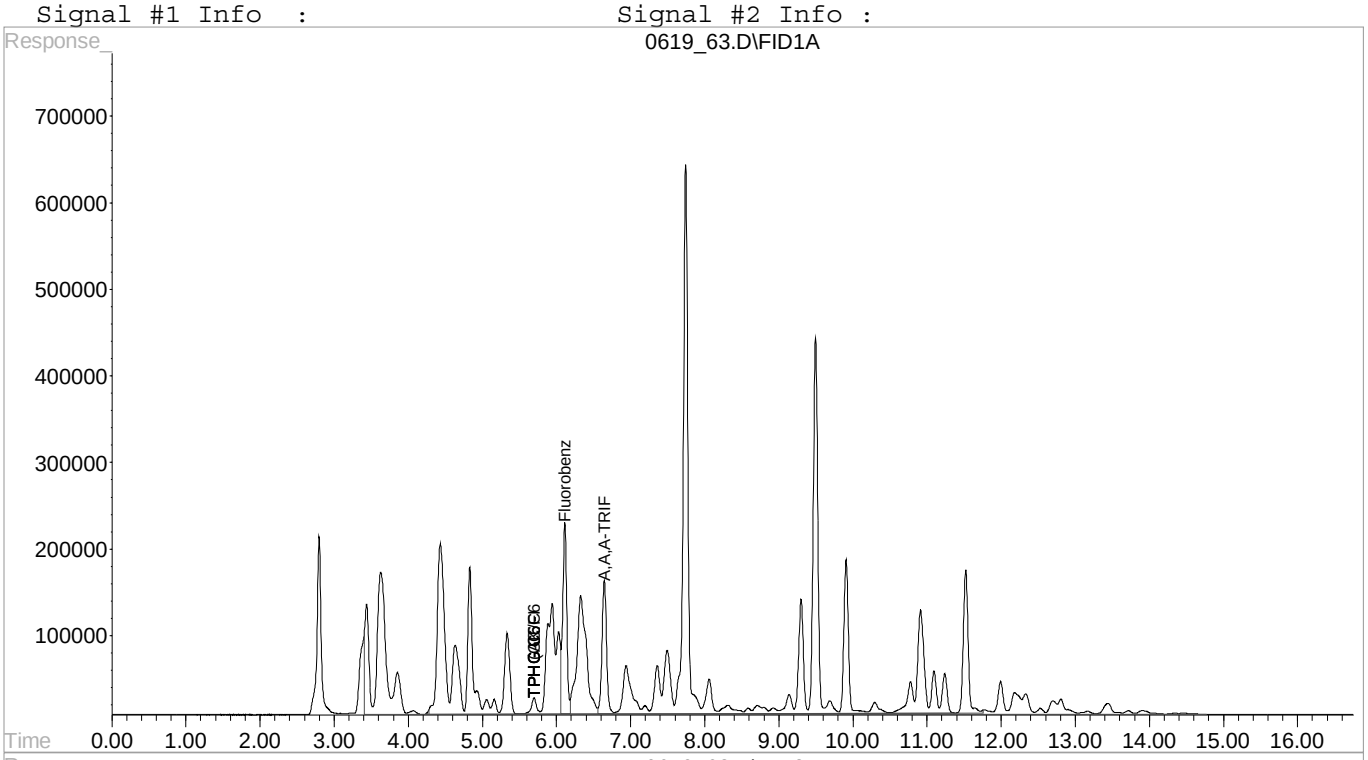
	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I Fluorobenzene #1	6.11	8454185	200.0000000	ppb
8)	I Fluorobenzene #2	6.11	22416473	200.0000000	ppb
	System Monitoring Compounds				
6)	S A,A,A-TRIFLUOROTOLUENE(FID	6.65	6485470	198.4887631	ppb
Spiked Amount	200.000 Range 62 - 128	Recovery = 99.24%			
9)	S A,A,A-TRIFLUOROTOLUENE(PID	6.65	13081049	224.2438078	ppb
Spiked Amount	200.000 Range 55 - 122	Recovery = 112.12%			
	Target Compounds				
2)	H,M TPHG C5 - C12	5.70	194345648	4.7696179	ppm
3)	H,M TPHG C6 - C12	5.70	174368017	4.9315216	ppm
4)	h,m TPHGAK C6 to C10	5.70	151621455	4.9927370	ppm
5)	h,m TPH (GC/FID) Low Fraction	5.70	159316549	5.0102211	ppm
10)	T,M Methyl Tert-Butyl Ether	4.47	8867111	128.8236466	ppb
11)	T,M benzene	5.94	13833583	67.2149300	ppb
12)	T,M toluene	7.74	80376856	411.9307293	ppb
13)	T,M ethylbenzene	9.30	16073532	92.2570540	ppb
14)	T,M m&p-xylene	9.50	62143268	320.9496107	ppb
15)	T,M o-xylene	9.91	22269348	130.6650907	ppb
16)	T,M 1,3,5-Trimethylbenzene	11.09	8952851	NoCal	ppb
17)	T,M 1,2,4-Trimethylbenzene	11.52	23716153	NoCal	ppb
18)	T,M Naphthalene	14.60	230936	NoCal	ppb

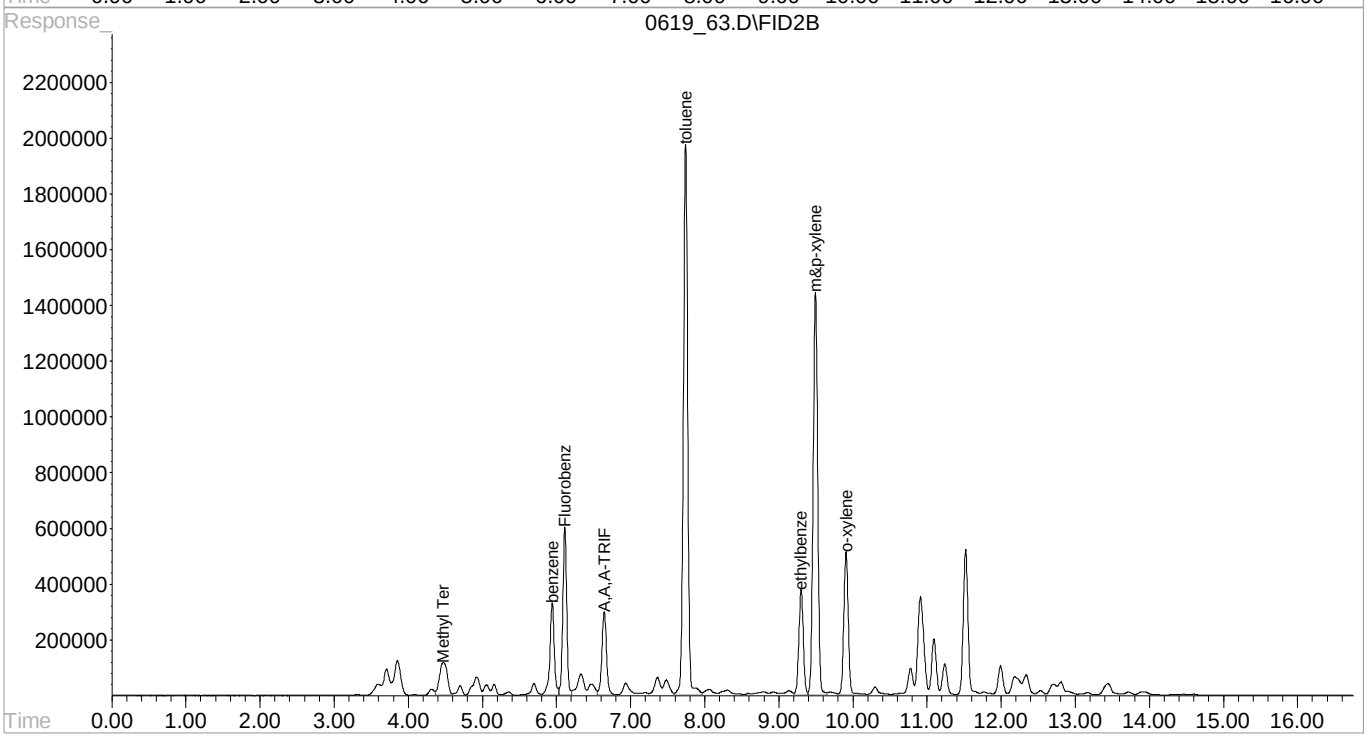
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 63.D\FID1A.CH Vial: 62
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 63.D\FID2B.CH
Acq On : 20 Jun 2014 11:35 am Operator: 621
Sample : SSCV GRO 5.5g ppm 14F17513 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:55 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 63.D\FID1A.CH Vial: 62
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 63.D\FID2B.CH
Acq On : 20 Jun 2014 11:35 am Operator: 621
Sample : SSCV GRO 5.5g ppm 14F17513 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:55 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

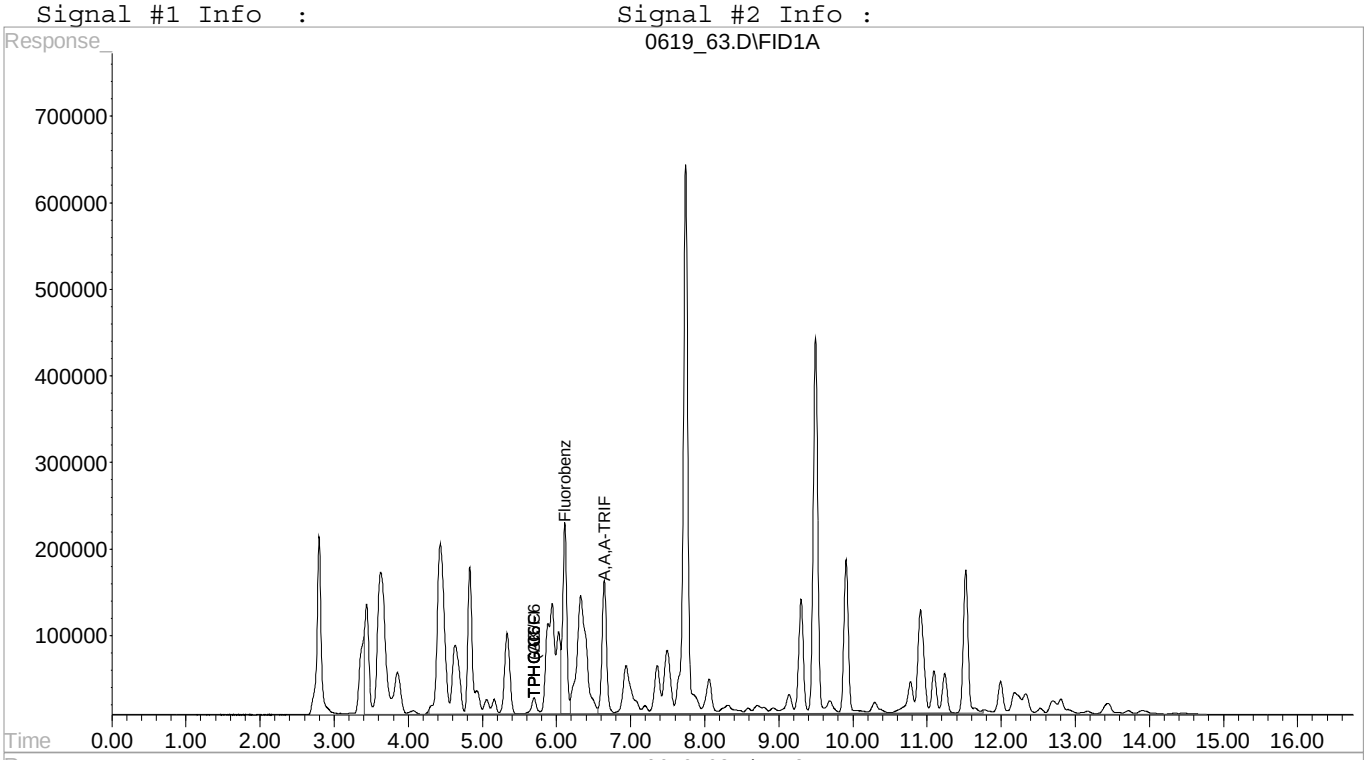
	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I Fluorobenzene #1	6.11	8454185	200.0000000	ppb
8)	I Fluorobenzene #2	6.11	22416473	200.0000000	ppb
	System Monitoring Compounds				
6)	S A,A,A-TRIFLUOROTOLUENE(FID	6.65	6485470	198.4887631	ppb
Spiked Amount	200.000 Range 62 - 128	Recovery = 99.24%			
9)	S A,A,A-TRIFLUOROTOLUENE(PID	6.65	13081049	224.2438078	ppb
Spiked Amount	200.000 Range 55 - 122	Recovery = 112.12%			
	Target Compounds				
2)	H,M TPHG C5 - C12	5.70	194345648	4.7696179	ppm
3)	H,M TPHG C6 - C12	5.70	174368017	4.9315216	ppm
4)	h,m TPHGAK C6 to C10	5.70	151621455	4.9927370	ppm
5)	h,m TPH (GC/FID) Low Fraction	5.70	159316549	5.0102211	ppm
10)	T,M Methyl Tert-Butyl Ether	4.47	8867111	128.8236466	ppb
11)	T,M benzene	5.94	13833583	67.2149300	ppb
12)	T,M toluene	7.74	80376856	411.9307293	ppb
13)	T,M ethylbenzene	9.30	16073532	92.2570540	ppb
14)	T,M m&p-xylene	9.50	62143268	320.9496107	ppb
15)	T,M o-xylene	9.91	22269348	130.6650907	ppb
16)	T,M 1,3,5-Trimethylbenzene	11.09	8952851	NoCal	ppb
17)	T,M 1,2,4-Trimethylbenzene	11.52	23716153	NoCal	ppb
18)	T,M Naphthalene	14.60	230936	NoCal	ppb

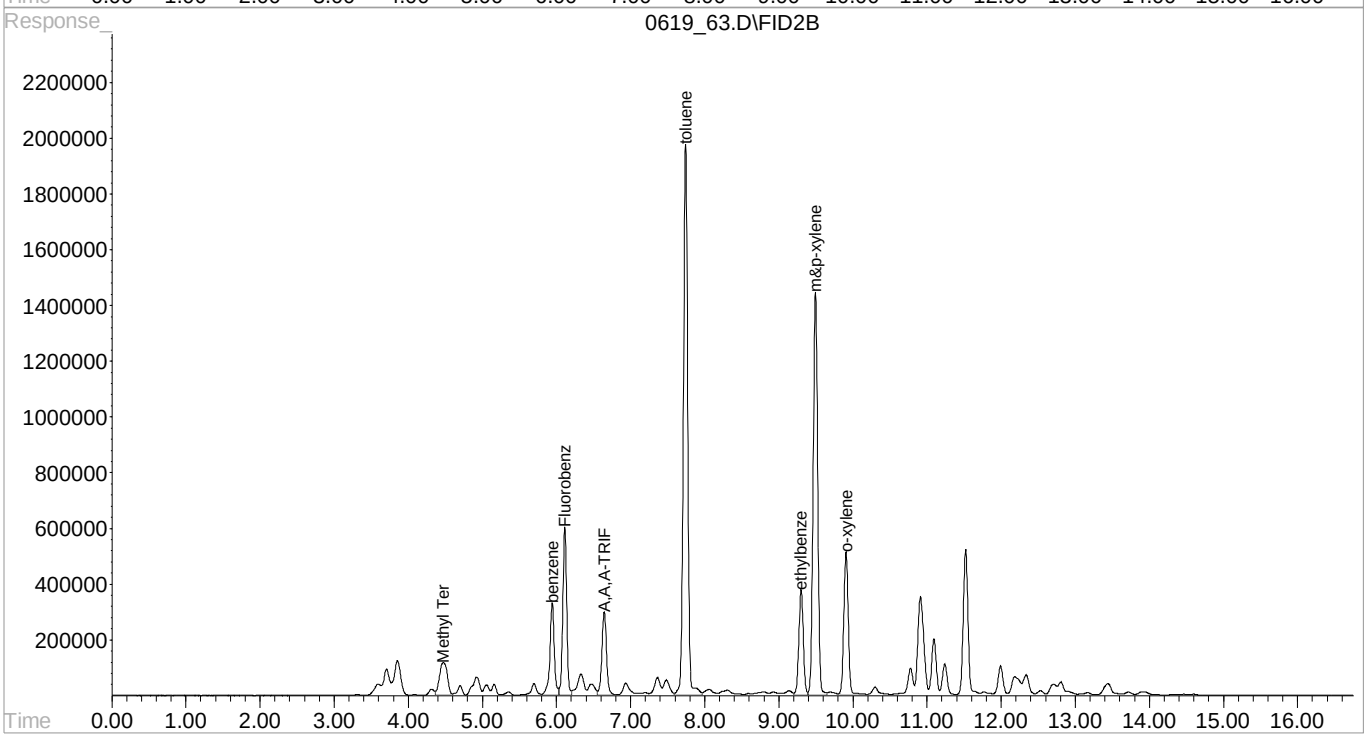
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 63.D\FID1A.CH Vial: 62
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 63.D\FID2B.CH
Acq On : 20 Jun 2014 11:35 am Operator: 621
Sample : SSCV GRO 5.5g ppm 14F17513 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:55 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:55:12 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0619_63.D BG01F19N.M Fri Jun 20 13:55:25 2014 Page 2

Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 42.D\FID1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 42.D\FID2B.CH
Acq On : 20 Jun 2014 3:49 am Operator: 621
Sample : STD BTEX .5 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

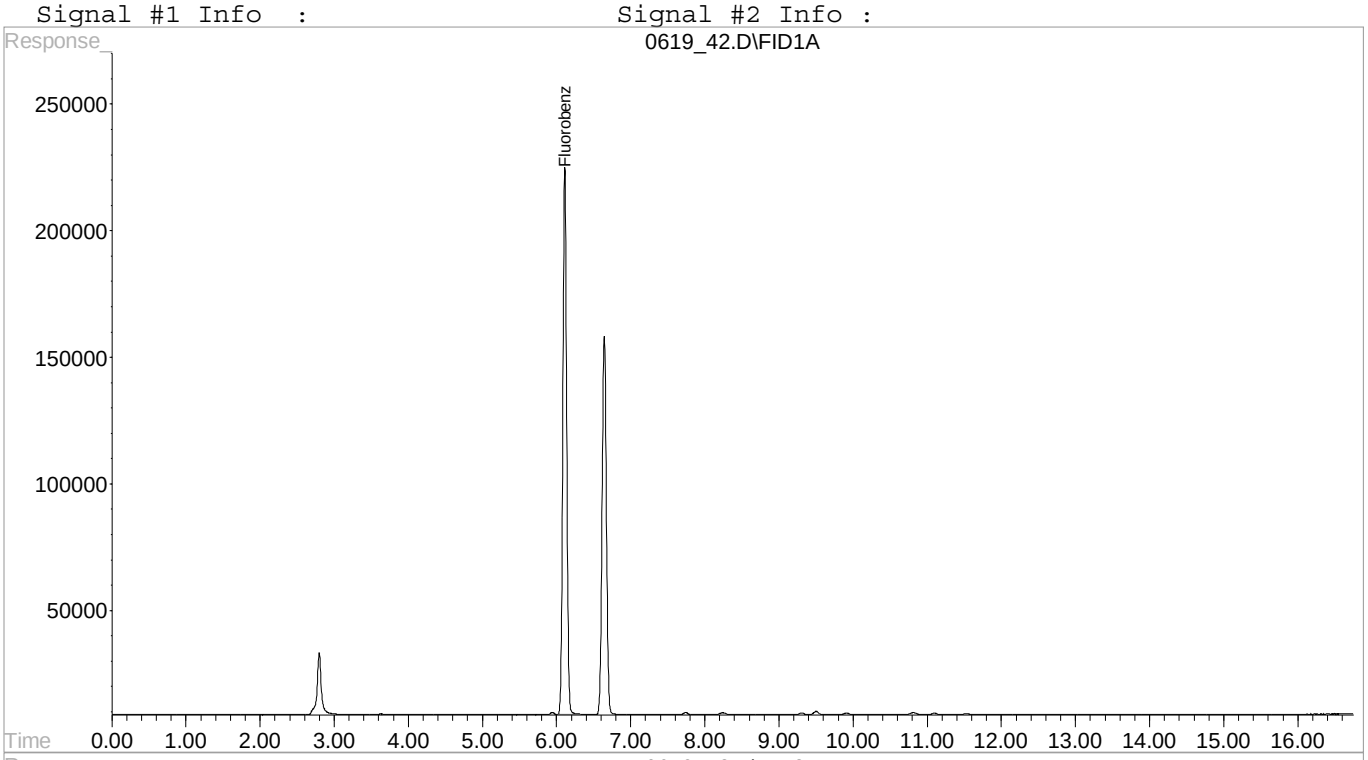
	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I Fluorobenzene #1	6.11	7755947	200.0000000	ppb
8)	I Fluorobenzene #2	6.11	21328190	200.0000000	ppb
	System Monitoring Compounds				
6)	S A,A,A-TRIFLUOROTOLUENE(FID	6.64	5957122	NoCal	ppb
	Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9)	S A,A,A-TRIFLUOROTOLUENE(PID	6.64	11518366	208.3173386	ppb
	Spiked Amount 200.000 Range 55 - 122		Recovery = 104.16%		
	Target Compounds				
2)	H,M TPHG C5 - C12	5.70	804754	NoCal	ppm
3)	H,M TPHG C6 - C12	5.70	768882	NoCal	ppm
4)	h,m TPHGAK C6 to C10	5.70	538471	NoCal	ppm
5)	h,m TPH (GC/FID) Low Fraction	5.70	574522	NoCal	ppm
10)	T,M Methyl Tert-Butyl Ether	4.48	39938	0.6446433	ppb
11)	T,M benzene	5.94	114353	0.5956547	ppb
12)	T,M toluene	7.74	131337	0.7189121	ppb
13)	T,M ethylbenzene	9.31	95814	0.5873047	ppb
14)	T,M m&p-xylene	9.50	223554	1.2451859	ppb
15)	T,M o-xylene	9.91	99038	0.6286595	ppb
16)	T,M 1,3,5-Trimethylbenzene	11.10	120835	NoCal	ppb
17)	T,M 1,2,4-Trimethylbenzene	11.53	69693	NoCal	ppb
18)	T,M Naphthalene	14.57	12205	NoCal	ppb

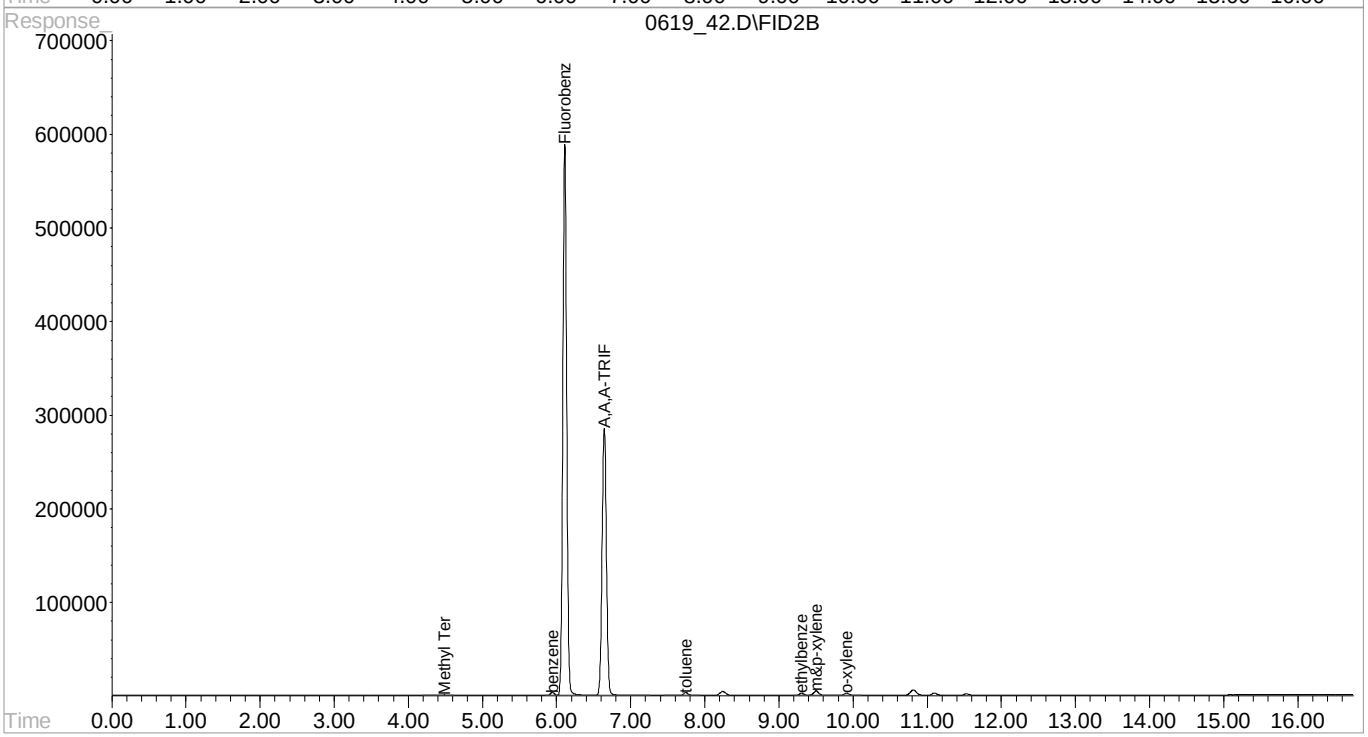
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 42.D\FID1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 42.D\FID2B.CH
Acq On : 20 Jun 2014 3:49 am Operator: 621
Sample : STD BTEX .5 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 42.D\FID1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 42.D\FID2B.CH
Acq On : 20 Jun 2014 3:49 am Operator: 621
Sample : STD BTEX .5 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:42 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

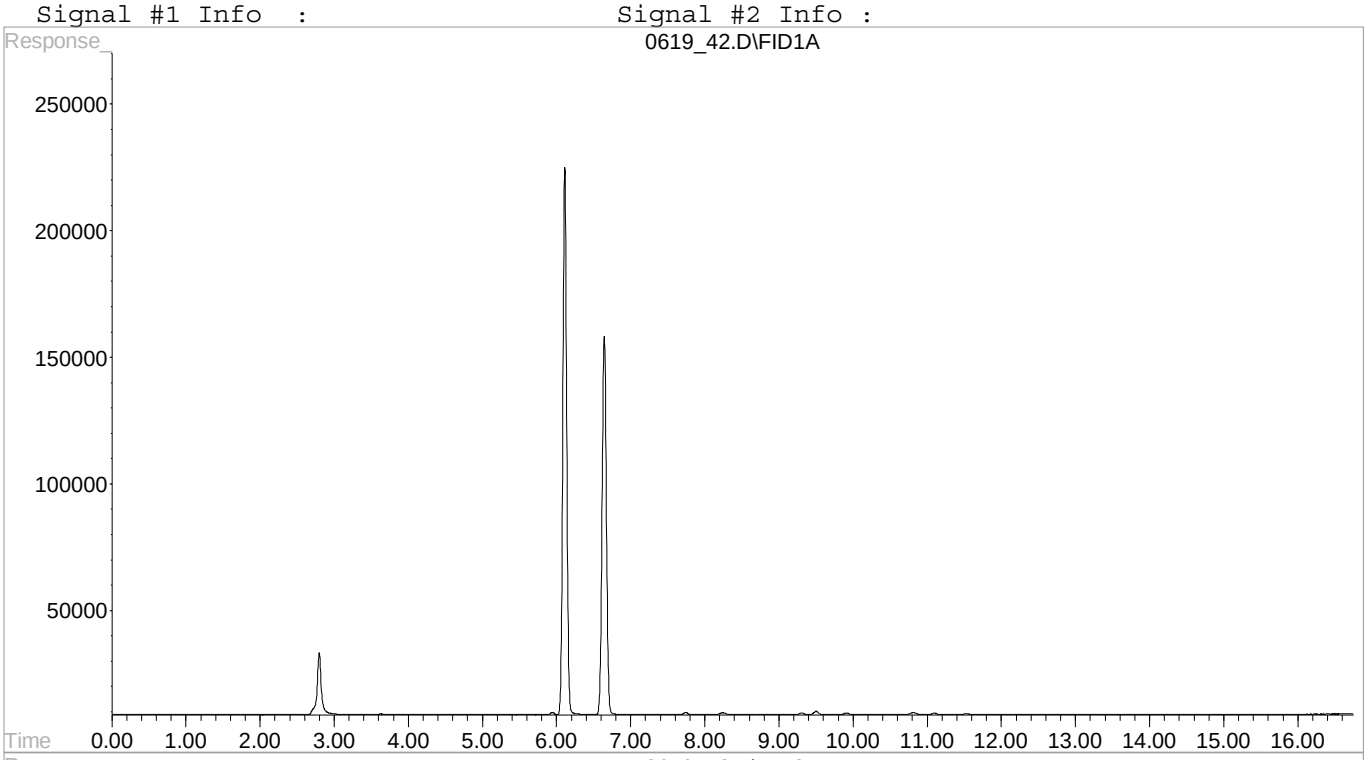
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	0.00	0	N.D.	ppb d
8) I Fluorobenzene #2	6.11	21328190	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 62 - 128		Recovery =	0.00%#	
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	11518366	208.3173386	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery =	104.16%	
Target Compounds				
2) H,M TPHG C5 - C12	0.00	0	N.D.	ppm
3) H,M TPHG C6 - C12	0.00	0	N.D.	ppm
4) h,m TPHGAK C6 to C10	0.00	0	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	0.00	0	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	39938	0.6446433	ppb
11) T,M benzene	5.94	114353	0.5956547	ppb
12) T,M toluene	7.74	131337	0.7189121	ppb
13) T,M ethylbenzene	9.31	95814	0.5873047	ppb
14) T,M m&p-xylene	9.50	223554	1.2451859	ppb
15) T,M o-xylene	9.91	99038	0.6286595	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

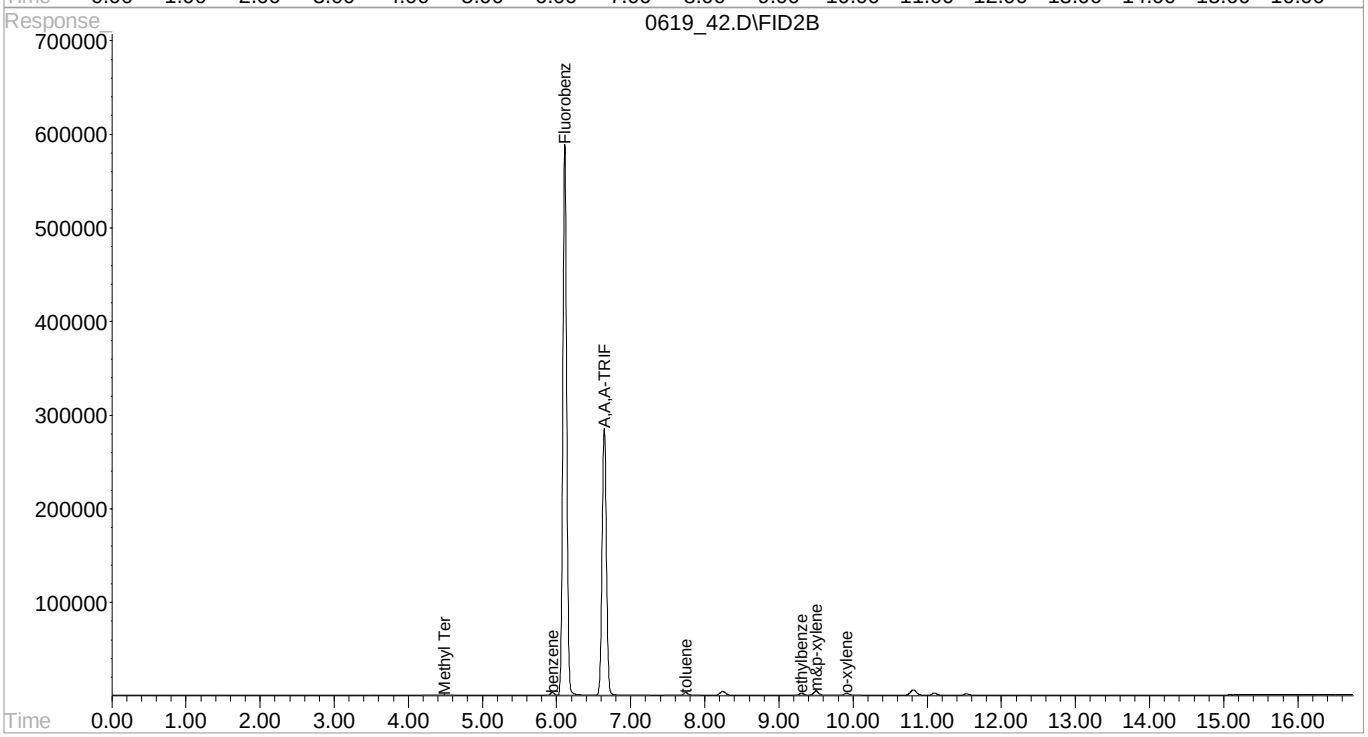
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 42.D\FID1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 42.D\FID2B.CH
Acq On : 20 Jun 2014 3:49 am Operator: 621
Sample : STD BTEX .5 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:42 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

```
Signal #1 : C:\HPCHEM\1\DATA\061914\0619 43.D\FID1A.CH   Vial: 42
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 43.D\FID2B.CH
Acq On    : 20 Jun 2014   4:11 am                    Operator: 621
Sample    : STD BTEX 1 ppb 14B19652                  Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014  Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```

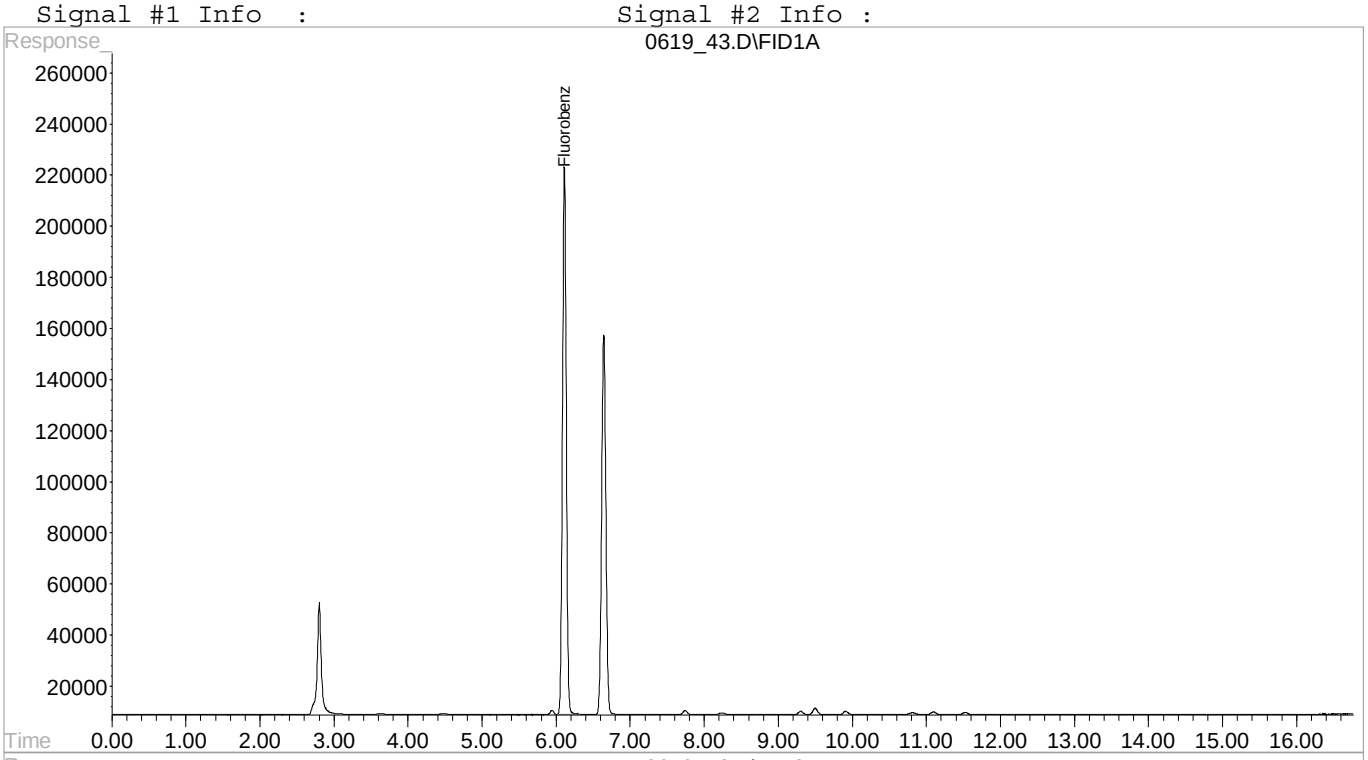
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.11	7675406	200.0000000	ppb
8) I Fluorobenzene #2	6.11	21166407	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.64	5916238	NoCal	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	11450666	208.6758342	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 104.34%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	988387	NoCal	ppm
3) H,M TPHG C6 - C12	5.70	943562	NoCal	ppm
4) h,m TPHGAK C6 to C10	5.70	740302	NoCal	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	798676	NoCal	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	88300	1.4361618	ppb
11) T,M benzene	5.95	220852	1.1591963	ppb
12) T,M toluene	7.74	224029	1.2356609	ppb
13) T,M ethylbenzene	9.31	183307	1.1321870	ppb
14) T,M m&p-xylene	9.50	417876	2.3453397	ppb
15) T,M o-xylene	9.91	187430	1.1988345	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	232576	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.53	144095	NoCal	ppb
18) T,M Naphthalene	14.52	4114	NoCal	ppb

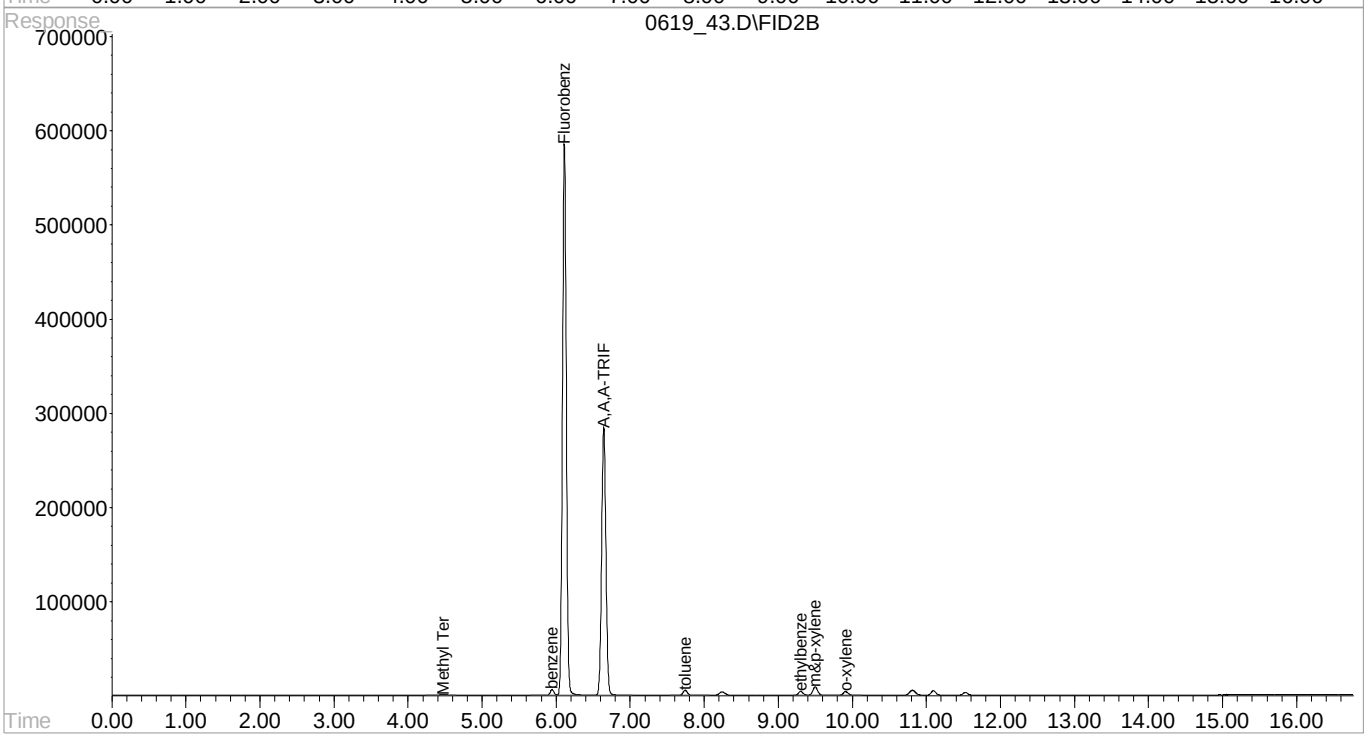
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 43.D\FID1A.CH Vial: 42
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 43.D\FID2B.CH
Acq On : 20 Jun 2014 4:11 am Operator: 621
Sample : STD BTEX 1 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

```
Signal #1 : C:\HPCHEM\1\DATA\061914\0619 43.D\FID1A.CH   Vial: 42
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 43.D\FID2B.CH
Acq On    : 20 Jun 2014   4:11 am                    Operator: 621
Sample    : STD BTEX 1 ppb 14B19652                  Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:42 2014  Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```

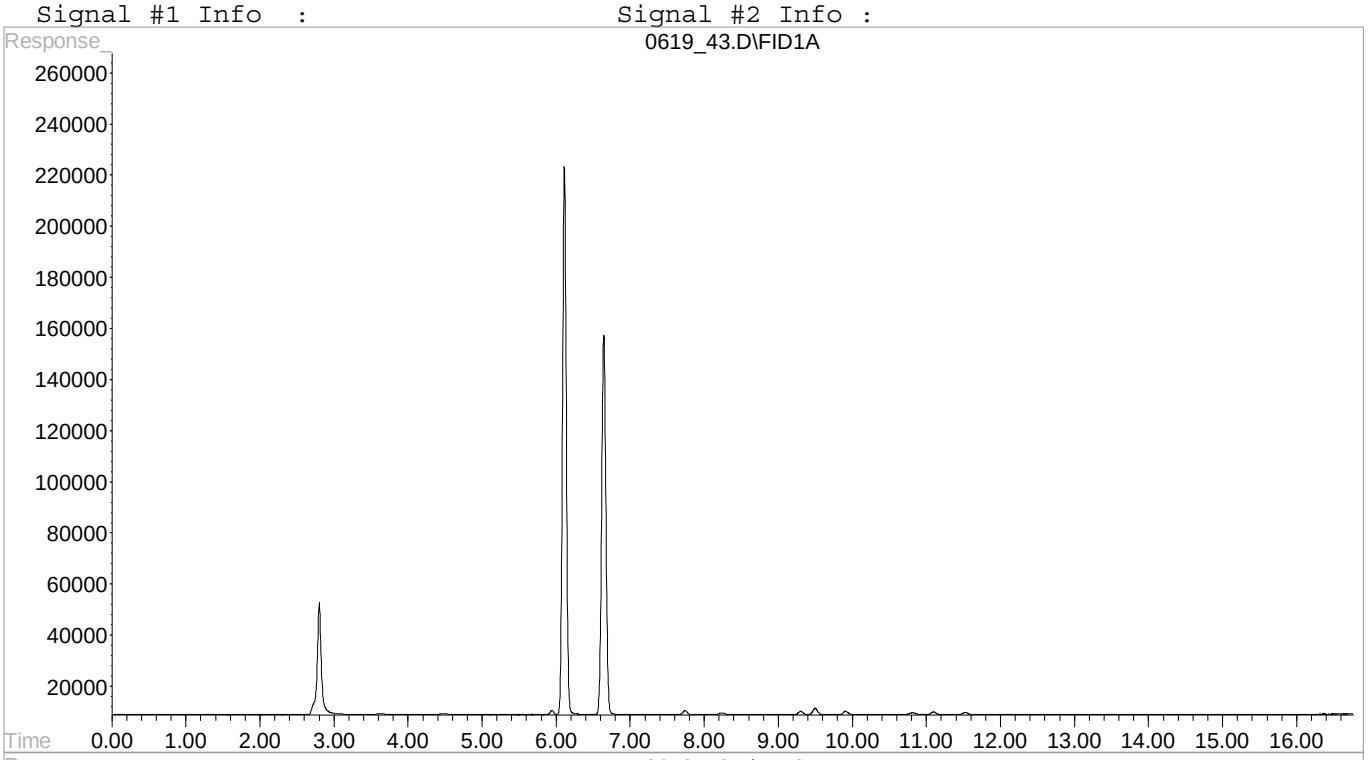
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	0.00	0	N.D.	ppb d
8) I Fluorobenzene #2	6.11	21166407	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 62 - 128		Recovery =	0.00%#	
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	11450666	208.6758342	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery =	104.34%	
Target Compounds				
2) H,M TPHG C5 - C12	0.00	0	N.D.	ppm
3) H,M TPHG C6 - C12	0.00	0	N.D.	ppm
4) h,m TPHGAK C6 to C10	0.00	0	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	0.00	0	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	88300	1.4361618	ppb
11) T,M benzene	5.95	220852	1.1591963	ppb
12) T,M toluene	7.74	224029	1.2356609	ppb
13) T,M ethylbenzene	9.31	183307	1.1321870	ppb
14) T,M m&p-xylene	9.50	417876	2.3453397	ppb
15) T,M o-xylene	9.91	187430	1.1988345	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

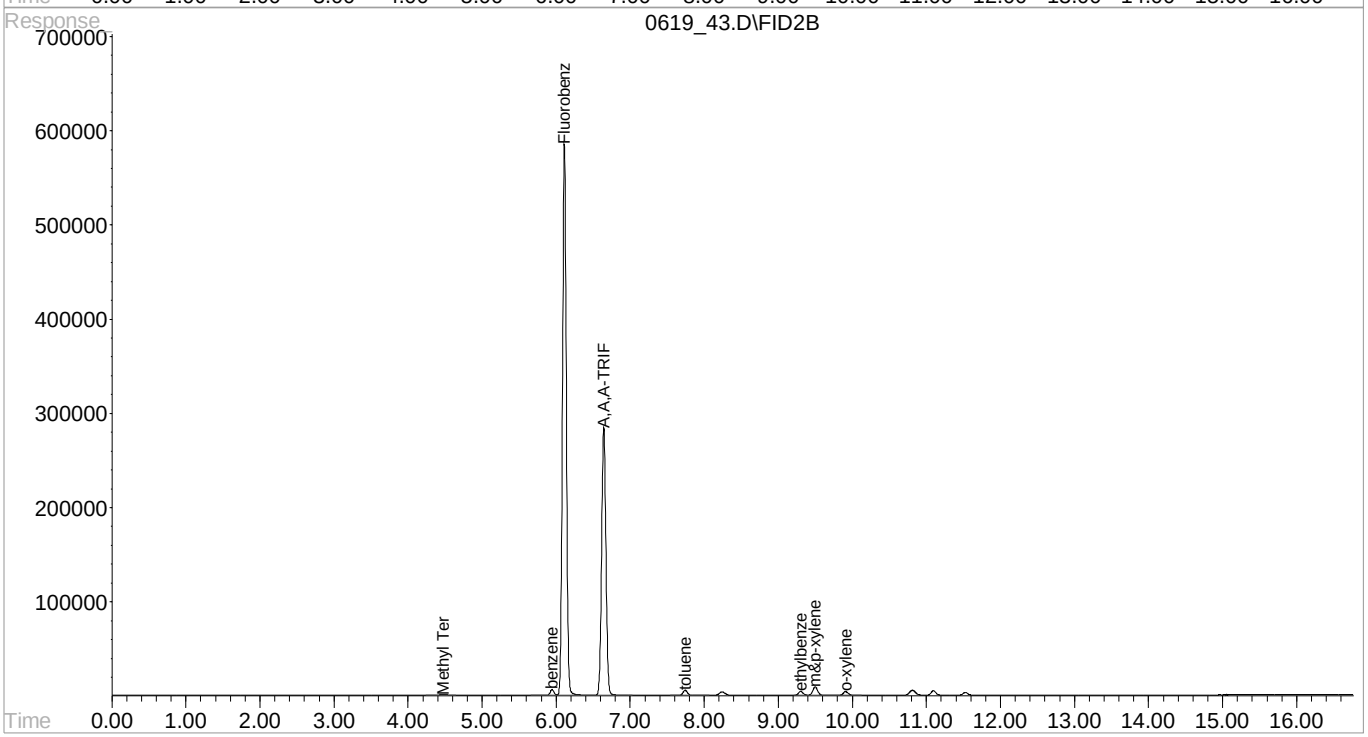
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 43.D\FID1A.CH Vial: 42
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 43.D\FID2B.CH
Acq On : 20 Jun 2014 4:11 am Operator: 621
Sample : STD BTEX 1 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:42 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 44.D\FID1A.CH Vial: 43
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 44.D\FID2B.CH
Acq On : 20 Jun 2014 4:34 am Operator: 621
Sample : STD BTEX 5 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

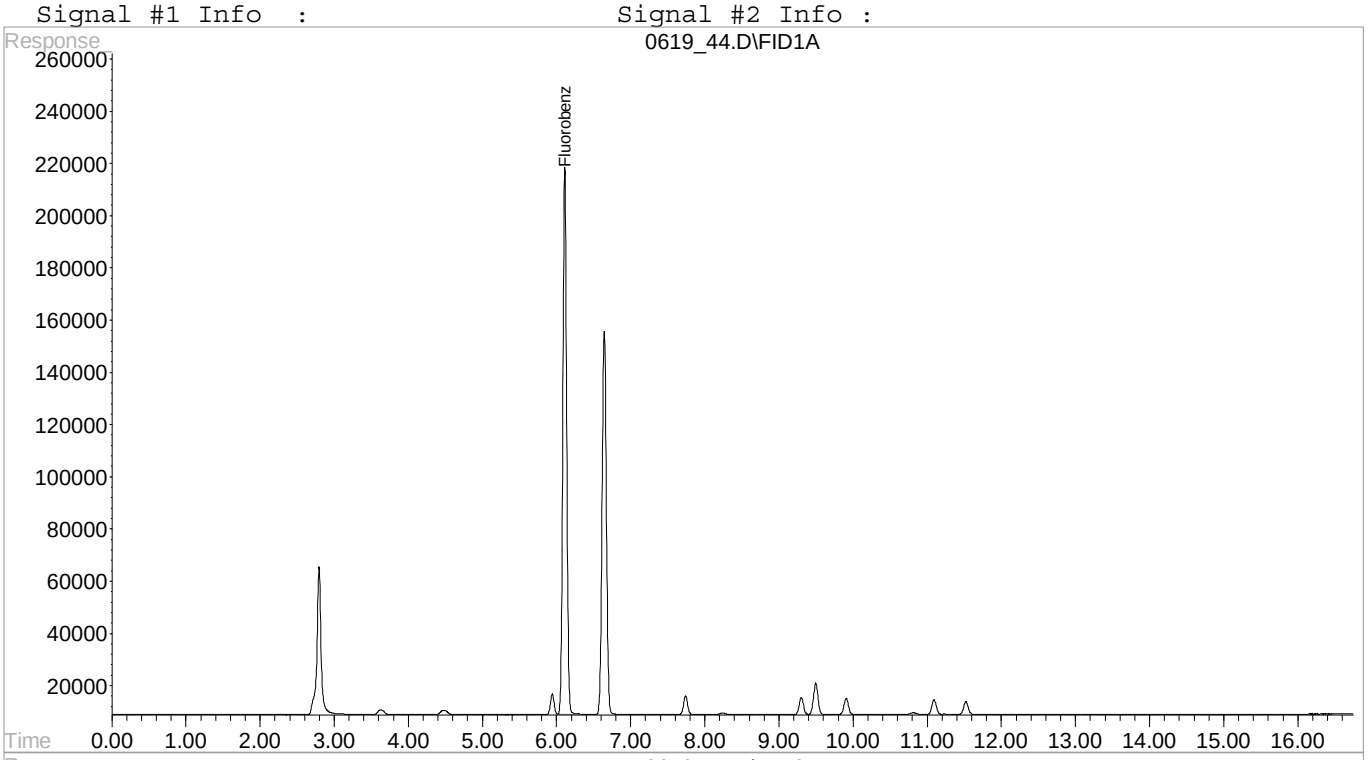
	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1) I	Fluorobenzene #1	6.11	7504885	200.0000000	ppb
8) I	Fluorobenzene #2	6.11	20721632	200.0000000	ppb
	System Monitoring Compounds				
6) S	A,A,A-TRIFLUOROTOLUENE(FID	6.64	5845706	NoCal	ppb
Spiked Amount	200.000 Range 62 - 128	Recovery =	0.00%#		
9) S	A,A,A-TRIFLUOROTOLUENE(PID	6.64	11320285	210.7278595	ppb
Spiked Amount	200.000 Range 55 - 122	Recovery =	105.36%		
	Target Compounds				
2) H,M	TPHG C5 - C12	5.70	2760321	NoCal	ppm
3) H,M	TPHG C6 - C12	5.70	2636487	NoCal	ppm
4) h,m	TPHGAK C6 to C10	5.70	2287494	NoCal	ppm
5) h,m	TPH (GC/FID) Low Fraction	5.70	2526764	NoCal	ppm
10) T,M	Methyl Tert-Butyl Ether	4.48	336002	5.5822532	ppb
11) T,M	benzene	5.94	1000671	5.3649973	ppb
12) T,M	toluene	7.74	990881	5.5826360	ppb
13) T,M	ethylbenzene	9.30	843722	5.3230662	ppb
14) T,M	m&p-xylene	9.50	1863384	10.6827780	ppb
15) T,M	o-xylene	9.91	831037	5.4295363	ppb
16) T,M	1,3,5-Trimethylbenzene	11.09	1092456	NoCal	ppb
17) T,M	1,2,4-Trimethylbenzene	11.52	738212	NoCal	ppb
18) T,M	Naphthalene	14.62f	23498	NoCal	ppb

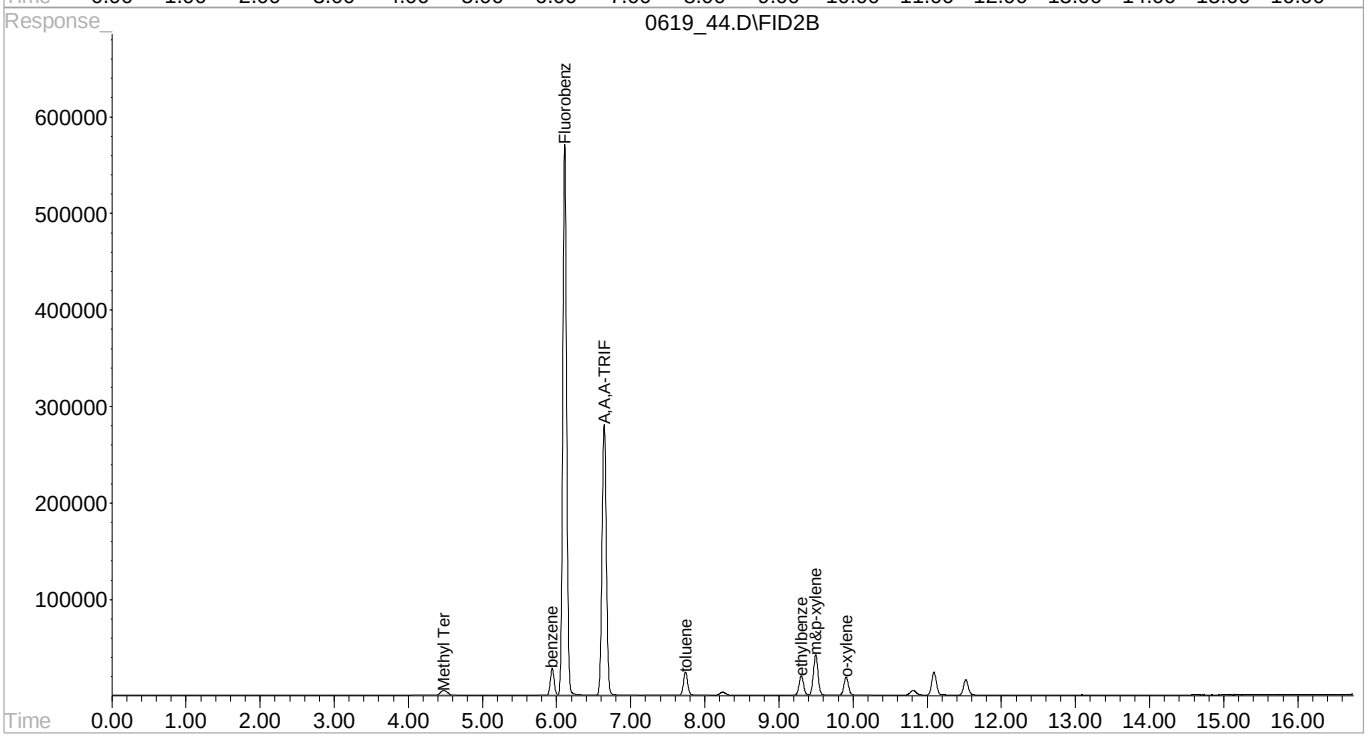
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 44.D\FID1A.CH Vial: 43
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 44.D\FID2B.CH
Acq On : 20 Jun 2014 4:34 am Operator: 621
Sample : STD BTEX 5 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

```
Signal #1 : C:\HPCHEM\1\DATA\061914\0619 44.D\FID1A.CH   Vial: 43
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 44.D\FID2B.CH
Acq On    : 20 Jun 2014   4:34 am                    Operator: 621
Sample    : STD BTEX 5 ppb 14B19652                  Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:42 2014  Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```

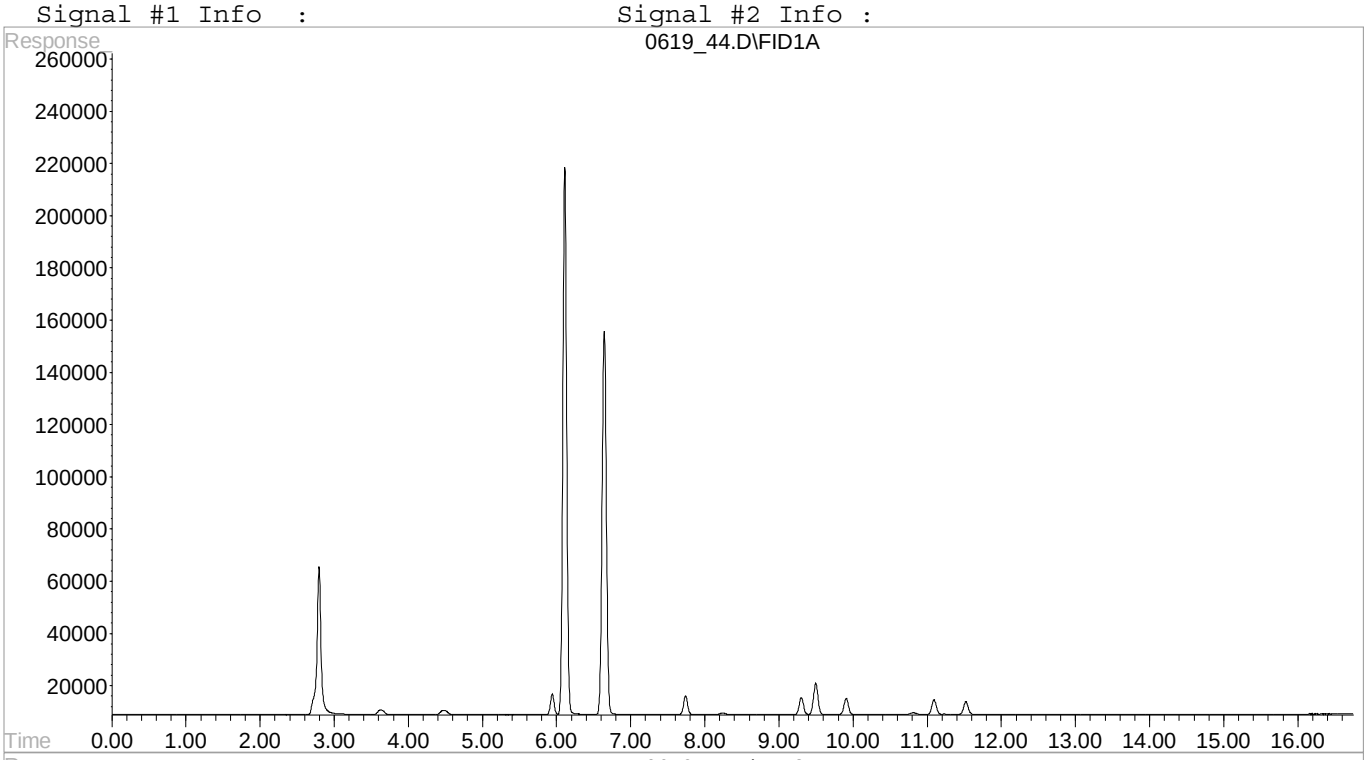
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	0.00	0	N.D.	ppb d
8) I Fluorobenzene #2	6.11	20721632	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 62 - 128		Recovery =	0.00%#	
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	11320285	210.7278595	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery =	105.36%	
Target Compounds				
2) H,M TPHG C5 - C12	0.00	0	N.D.	ppm
3) H,M TPHG C6 - C12	0.00	0	N.D.	ppm
4) h,m TPHGAK C6 to C10	0.00	0	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	0.00	0	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	336002	5.5822532	ppb
11) T,M benzene	5.94	1000671	5.3649973	ppb
12) T,M toluene	7.74	990881	5.5826360	ppb
13) T,M ethylbenzene	9.30	843722	5.3230662	ppb
14) T,M m&p-xylene	9.50	1863384	10.6827780	ppb
15) T,M o-xylene	9.91	831037	5.4295363	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

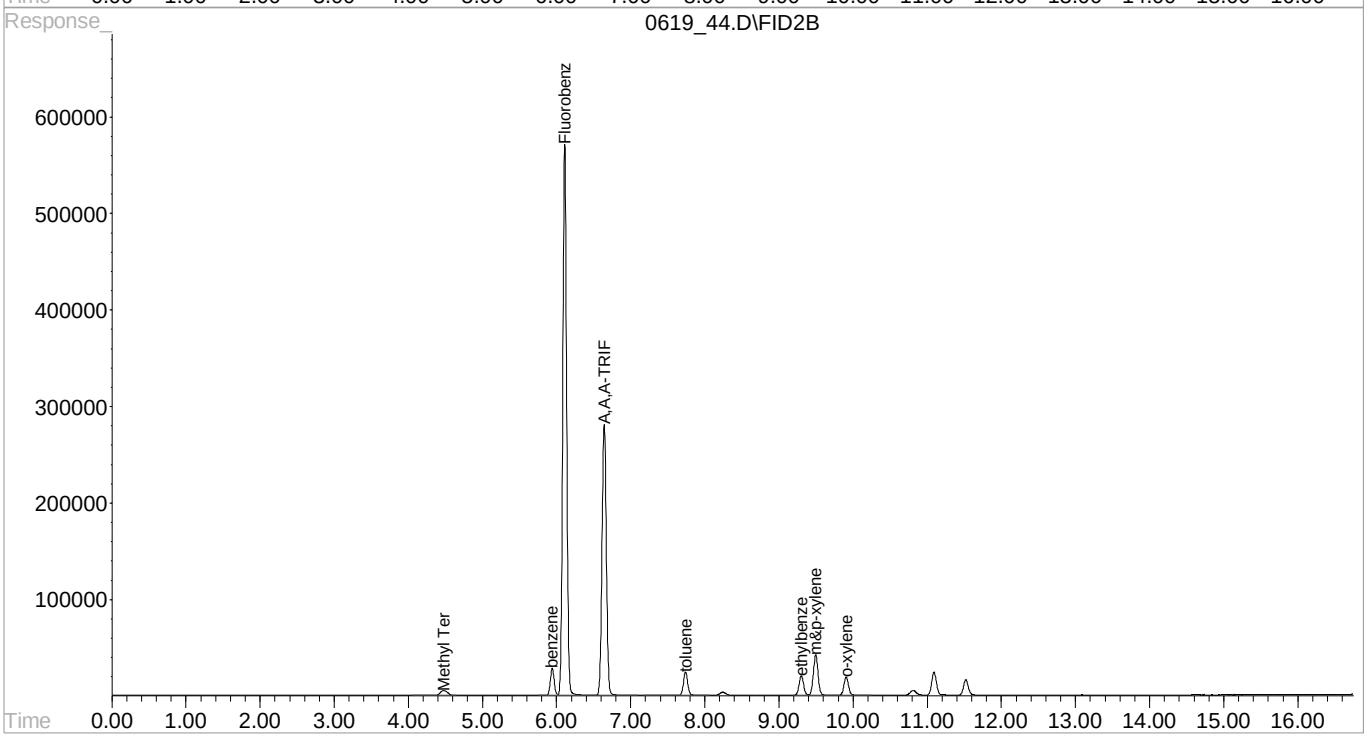
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 44.D\FID1A.CH Vial: 43
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 44.D\FID2B.CH
Acq On : 20 Jun 2014 4:34 am Operator: 621
Sample : STD BTEX 5 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:42 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

```
Signal #1 : C:\HPCHEM\1\DATA\061914\0619 45.D\FID1A.CH   Vial: 44
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 45.D\FID2B.CH
Acq On    : 20 Jun 2014   4:56 am                    Operator: 621
Sample    : STD BTEX 10 ppb 14B19652                 Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014  Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```

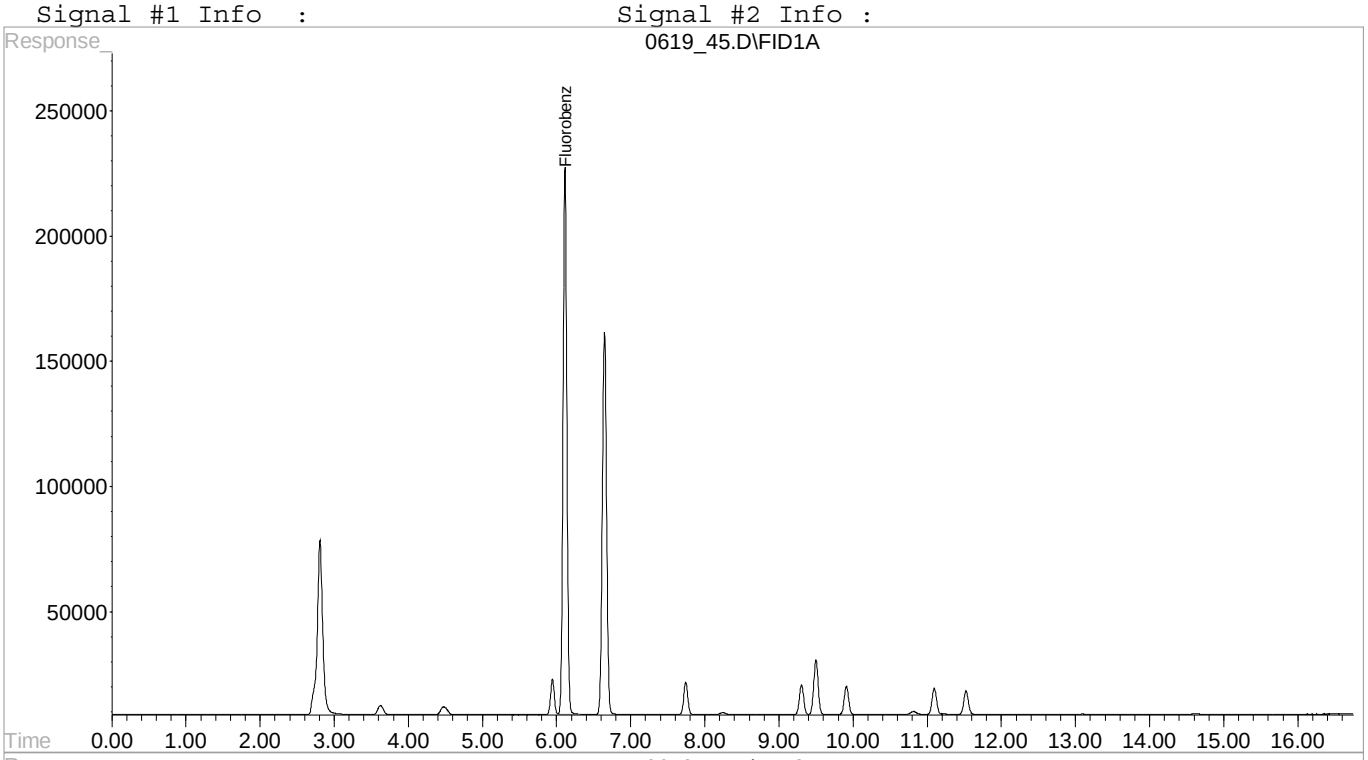
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.11	7815721	200.0000000	ppb
8) I Fluorobenzene #2	6.11	21507759	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	6074982	NoCal	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11693492	209.7189178	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 104.86%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	4805371	NoCal	ppm
3) H,M TPHG C6 - C12	5.70	4585896	NoCal	ppm
4) h,m TPHGAK C6 to C10	5.70	3920676	NoCal	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	4354856	NoCal	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	605986	9.6997096	ppb
11) T,M benzene	5.95	1775885	9.1732178	ppb
12) T,M toluene	7.74	1727408	9.3765167	ppb
13) T,M ethylbenzene	9.30	1508411	9.1687753	ppb
14) T,M m&p-xylene	9.50	3317139	18.3220582	ppb
15) T,M o-xylene	9.91	1478270	9.3051850	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	1984527	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	1380198	NoCal	ppb
18) T,M Naphthalene	14.62f	64352	NoCal	ppb

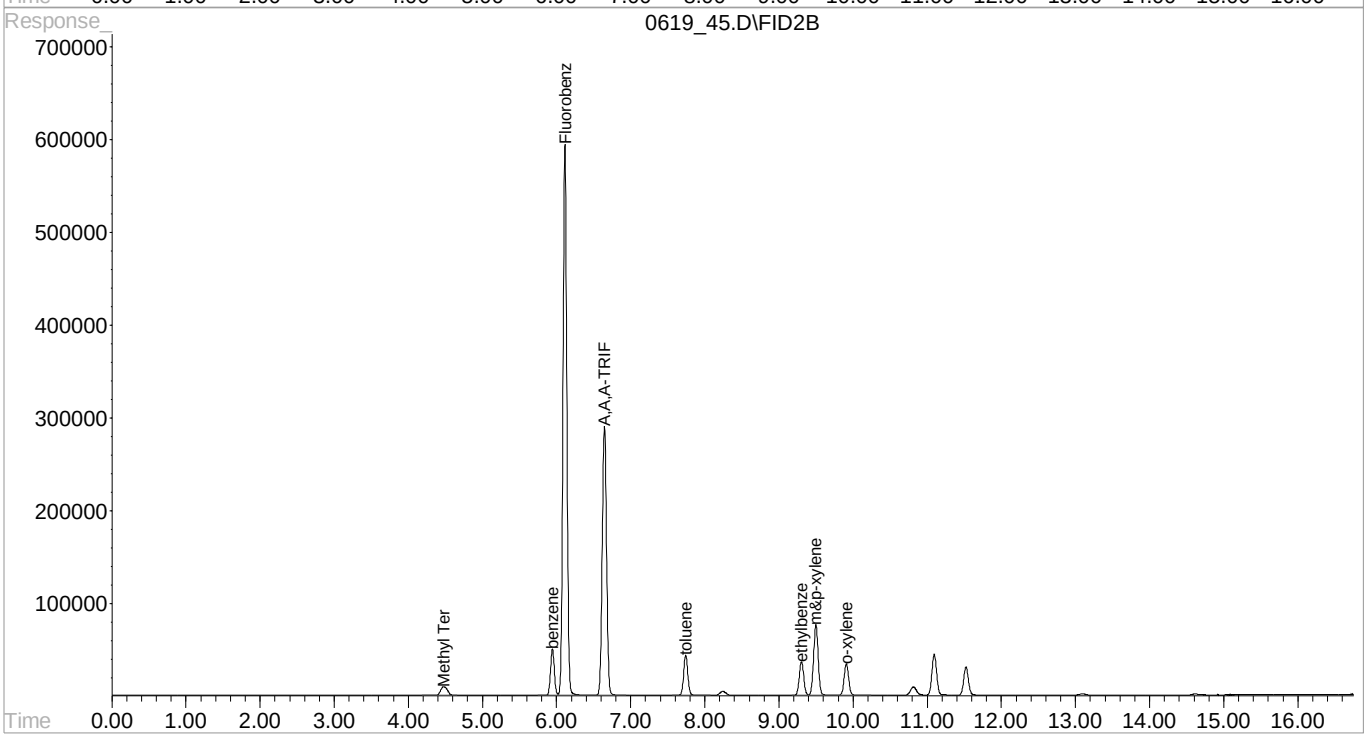
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 45.D\FID1A.CH Vial: 44
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 45.D\FID2B.CH
Acq On : 20 Jun 2014 4:56 am Operator: 621
Sample : STD BTEX 10 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

```
Signal #1 : C:\HPCHEM\1\DATA\061914\0619 45.D\FID1A.CH   Vial: 44
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 45.D\FID2B.CH
Acq On    : 20 Jun 2014   4:56 am                    Operator: 621
Sample    : STD BTEX 10 ppb 14B19652                 Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:43 2014  Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```

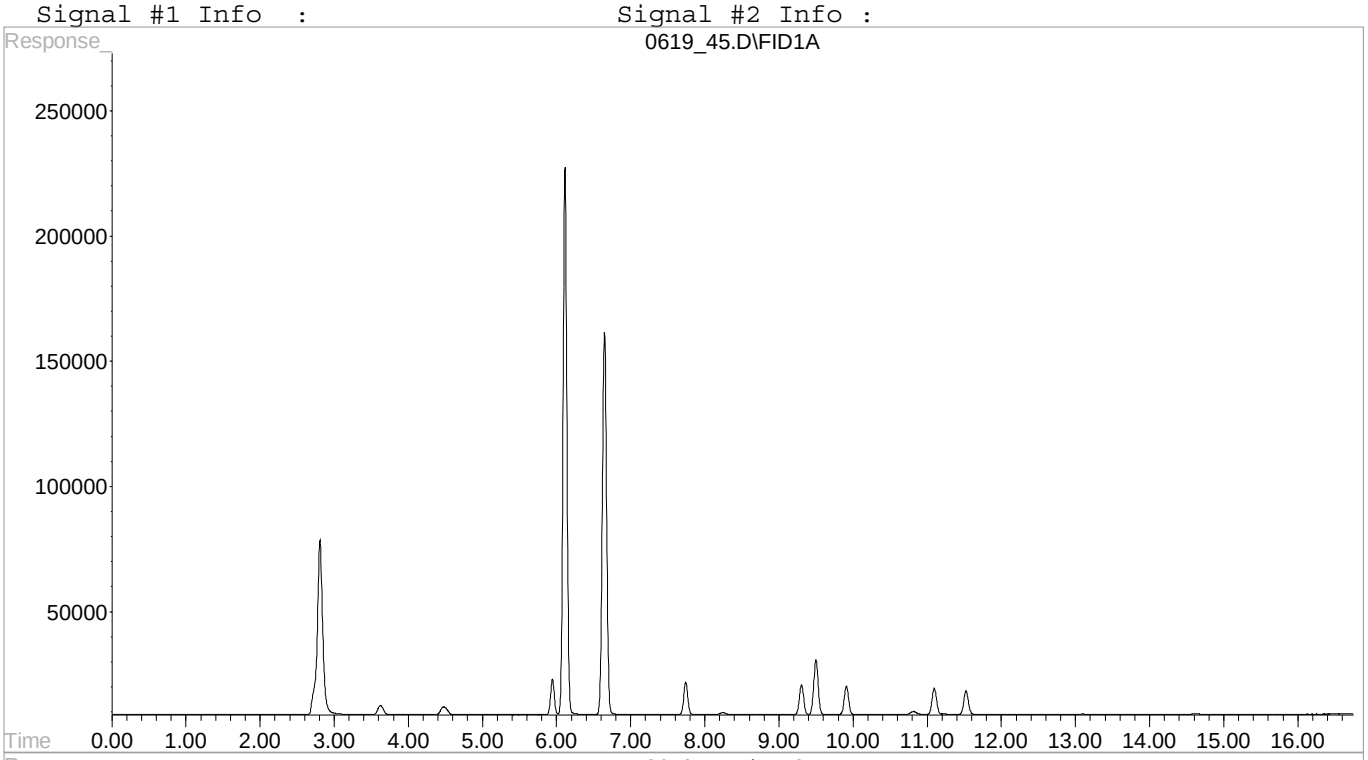
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	0.00	0	N.D.	ppb d
8) I Fluorobenzene #2	6.11	21507759	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 62 - 128		Recovery =	0.00%#	
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11693492	209.7189178	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery =	104.86%	
Target Compounds				
2) H,M TPHG C5 - C12	0.00	0	N.D.	ppm
3) H,M TPHG C6 - C12	0.00	0	N.D.	ppm
4) h,m TPHGAK C6 to C10	0.00	0	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	0.00	0	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	605986	9.6997096	ppb
11) T,M benzene	5.95	1775885	9.1732178	ppb
12) T,M toluene	7.74	1727408	9.3765167	ppb
13) T,M ethylbenzene	9.30	1508411	9.1687753	ppb
14) T,M m&p-xylene	9.50	3317139	18.3220582	ppb
15) T,M o-xylene	9.91	1478270	9.3051850	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

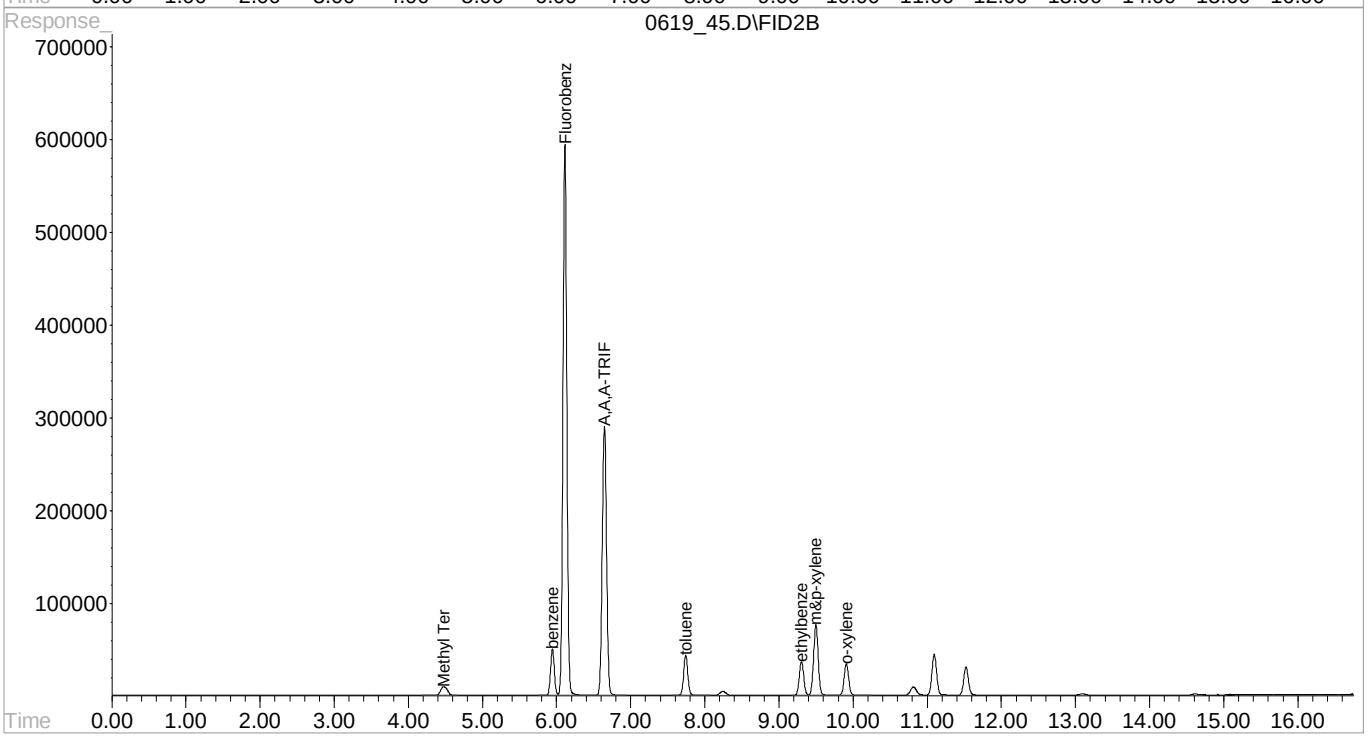
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 45.D\FID1A.CH Vial: 44
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 45.D\FID2B.CH
Acq On : 20 Jun 2014 4:56 am Operator: 621
Sample : STD BTEX 10 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:43 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

```
Signal #1 : C:\HPCHEM\1\DATA\061914\0619 46.D\FID1A.CH   Vial: 45
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 46.D\FID2B.CH
Acq On    : 20 Jun 2014   5:18 am                    Operator: 621
Sample    : STD BTEX 25 ppb 14B19652                 Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014  Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```

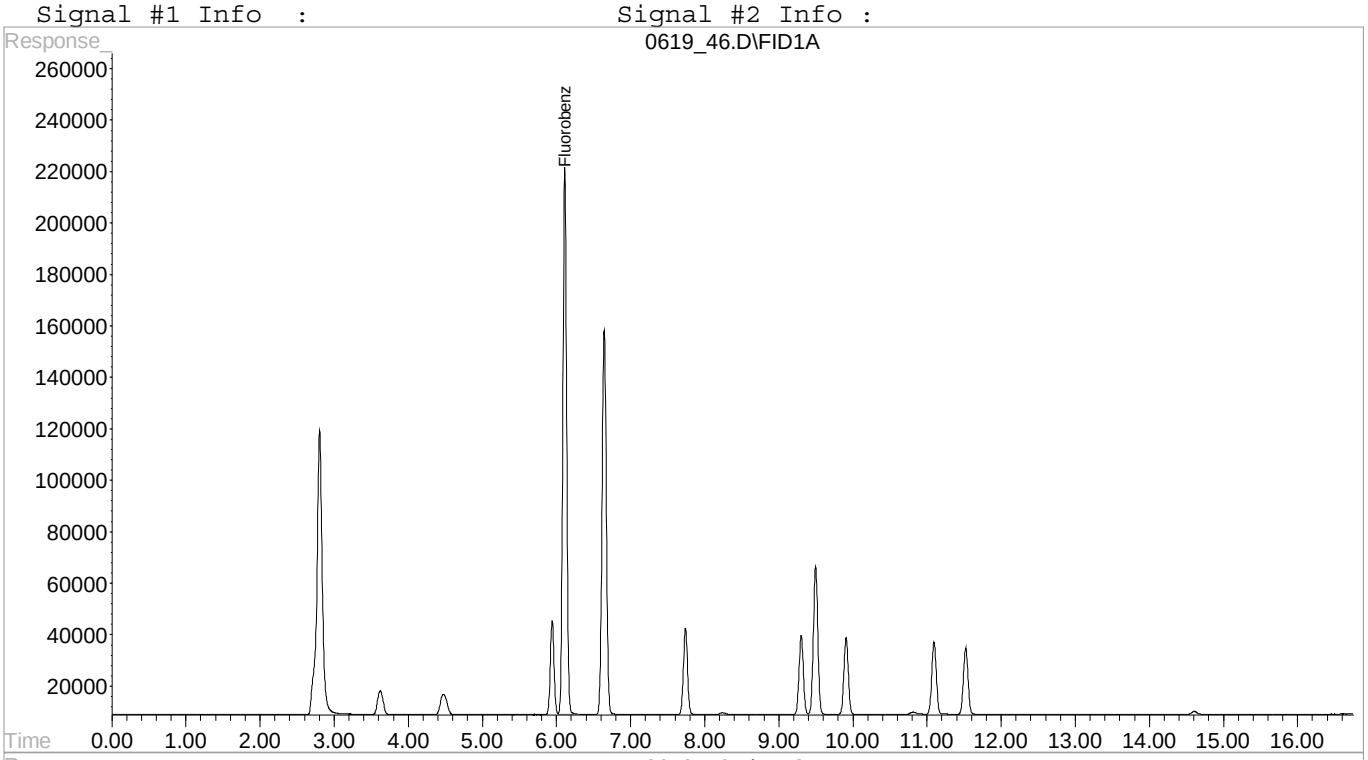
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.11	7614986	200.0000000	ppb
8) I Fluorobenzene #2	6.11	21103032	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.64	5943249	NoCal	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	11491519	210.0492552	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.02%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	11456830	NoCal	ppm
3) H,M TPHG C6 - C12	5.70	10957920	NoCal	ppm
4) h,m TPHGAK C6 to C10	5.70	9586614	NoCal	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	10736760	NoCal	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	1518750	24.7760992	ppb
11) T,M benzene	5.94	4542720	23.9151579	ppb
12) T,M toluene	7.74	4355927	24.0978076	ppb
13) T,M ethylbenzene	9.30	3871892	23.9863982	ppb
14) T,M m&p-xylene	9.50	8528098	48.0079437	ppb
15) T,M o-xylene	9.91	3742279	24.0080876	ppb
16) T,M 1,3,5-Trimethylbenzene	11.09	5173846	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	3683181	NoCal	ppb
18) T,M Naphthalene	14.61	296916	NoCal	ppb

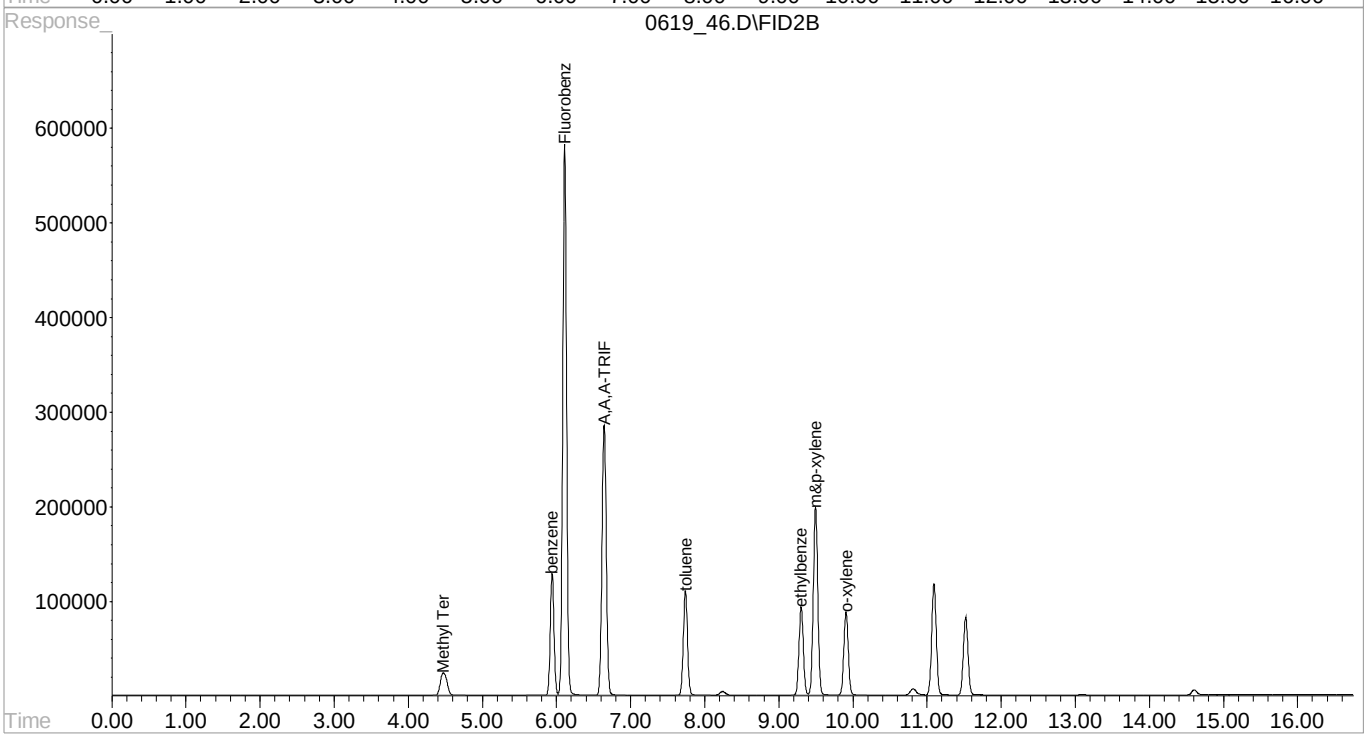
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 46.D\FID1A.CH Vial: 45
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 46.D\FID2B.CH
Acq On : 20 Jun 2014 5:18 am Operator: 621
Sample : STD BTEX 25 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 46.D\FID1A.CH Vial: 45
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 46.D\FID2B.CH
Acq On : 20 Jun 2014 5:18 am Operator: 621
Sample : STD BTEX 25 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:43 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

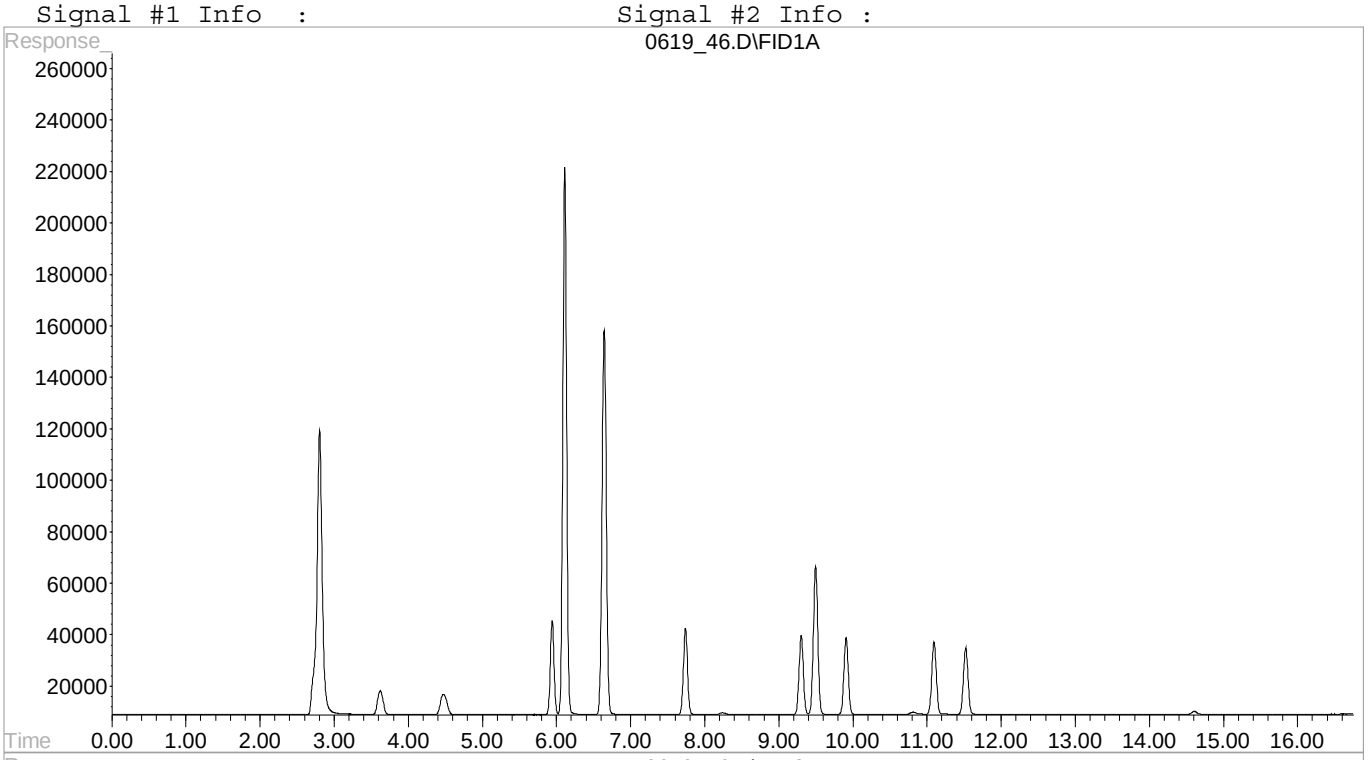
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	0.00	0	N.D.	ppb d
8) I Fluorobenzene #2	6.11	21103032	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	11491519	210.0492552	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.02%		
Target Compounds				
2) H,M TPHG C5 - C12	0.00	0	N.D.	ppm
3) H,M TPHG C6 - C12	0.00	0	N.D.	ppm
4) h,m TPHGAK C6 to C10	0.00	0	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	0.00	0	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	1518750	24.7760992	ppb
11) T,M benzene	5.94	4542720	23.9151579	ppb
12) T,M toluene	7.74	4355927	24.0978076	ppb
13) T,M ethylbenzene	9.30	3871892	23.9863982	ppb
14) T,M m&p-xylene	9.50	8528098	48.0079437	ppb
15) T,M o-xylene	9.91	3742279	24.0080876	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

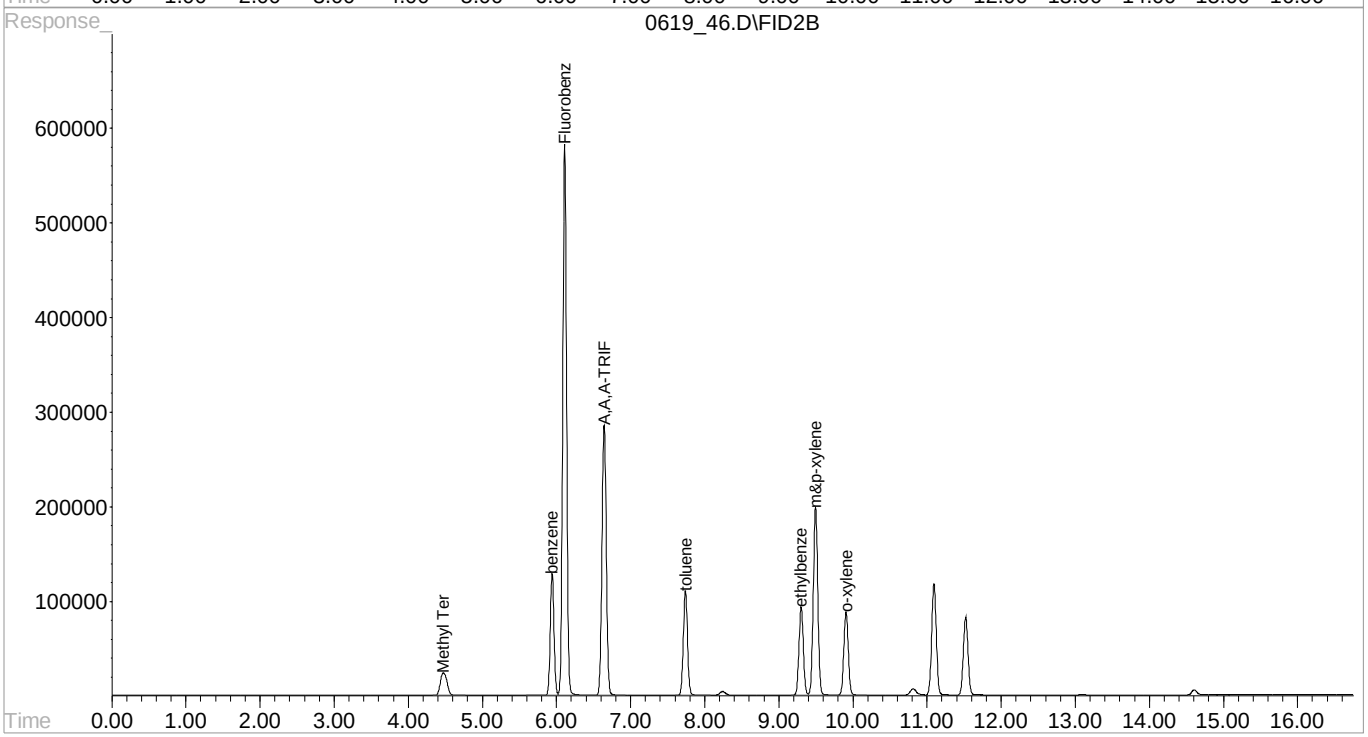
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 46.D\FID1A.CH Vial: 45
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 46.D\FID2B.CH
Acq On : 20 Jun 2014 5:18 am Operator: 621
Sample : STD BTEX 25 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:43 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 47.D\FID1A.CH Vial: 46
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 47.D\FID2B.CH
Acq On : 20 Jun 2014 5:40 am Operator: 621
Sample : MSTD BTEX 50 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

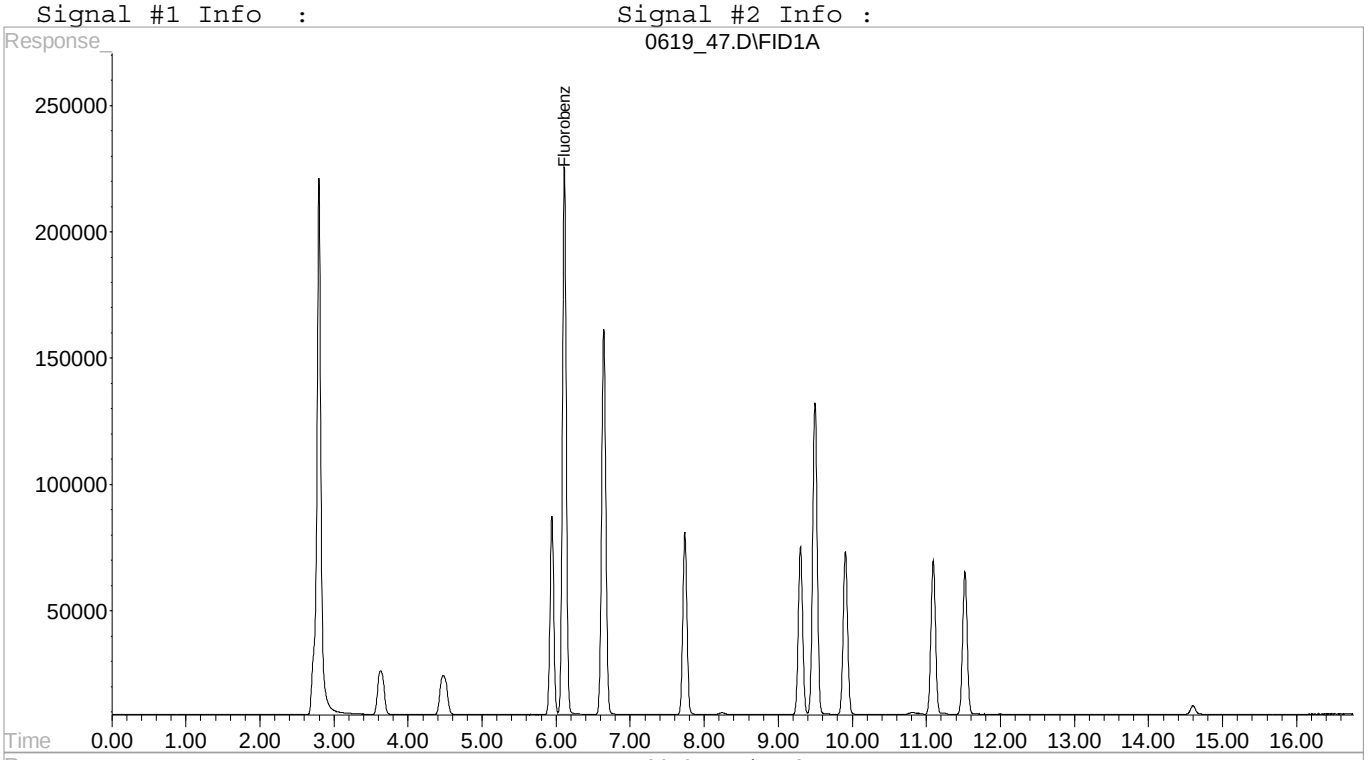
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.11	7773096	200.0000000	ppb
8) I Fluorobenzene #2	6.11	21541320	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.64	6070889	NoCal	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	11727436	210.0000000	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.00%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	24094313	NoCal	ppm
3) H,M TPHG C6 - C12	5.70	22982387	NoCal	ppm
4) h,m TPHGAK C6 to C10	5.70	20269787	NoCal	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	22745625	NoCal	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	3128606	50.0000000	ppb
11) T,M benzene	5.94	9694829	50.0000000	ppb
12) T,M toluene	7.74	9225725	50.0000000	ppb
13) T,M ethylbenzene	9.30	8238642	50.0000000	ppb
14) T,M m&p-xylene	9.50	18132870	100.0000000	ppb
15) T,M o-xylene	9.91	7955657	50.0000000	ppb
16) T,M 1,3,5-Trimethylbenzene	11.09	10973492	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	7830114	NoCal	ppb
18) T,M Naphthalene	14.60	804666	NoCal	ppb

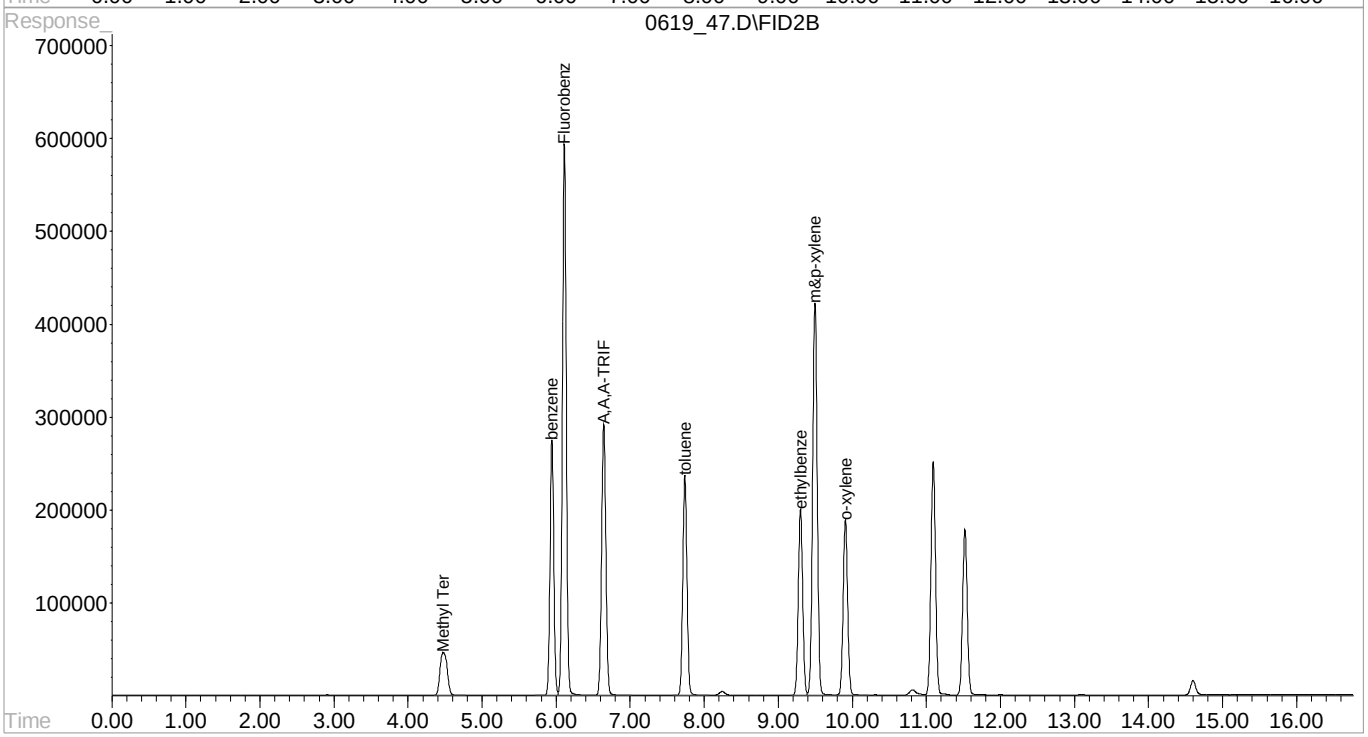
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 47.D\FID1A.CH Vial: 46
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 47.D\FID2B.CH
Acq On : 20 Jun 2014 5:40 am Operator: 621
Sample : MSTD BTEX 50 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 47.D\FID1A.CH Vial: 46
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 47.D\FID2B.CH
Acq On : 20 Jun 2014 5:40 am Operator: 621
Sample : MSTD BTEX 50 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:43 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

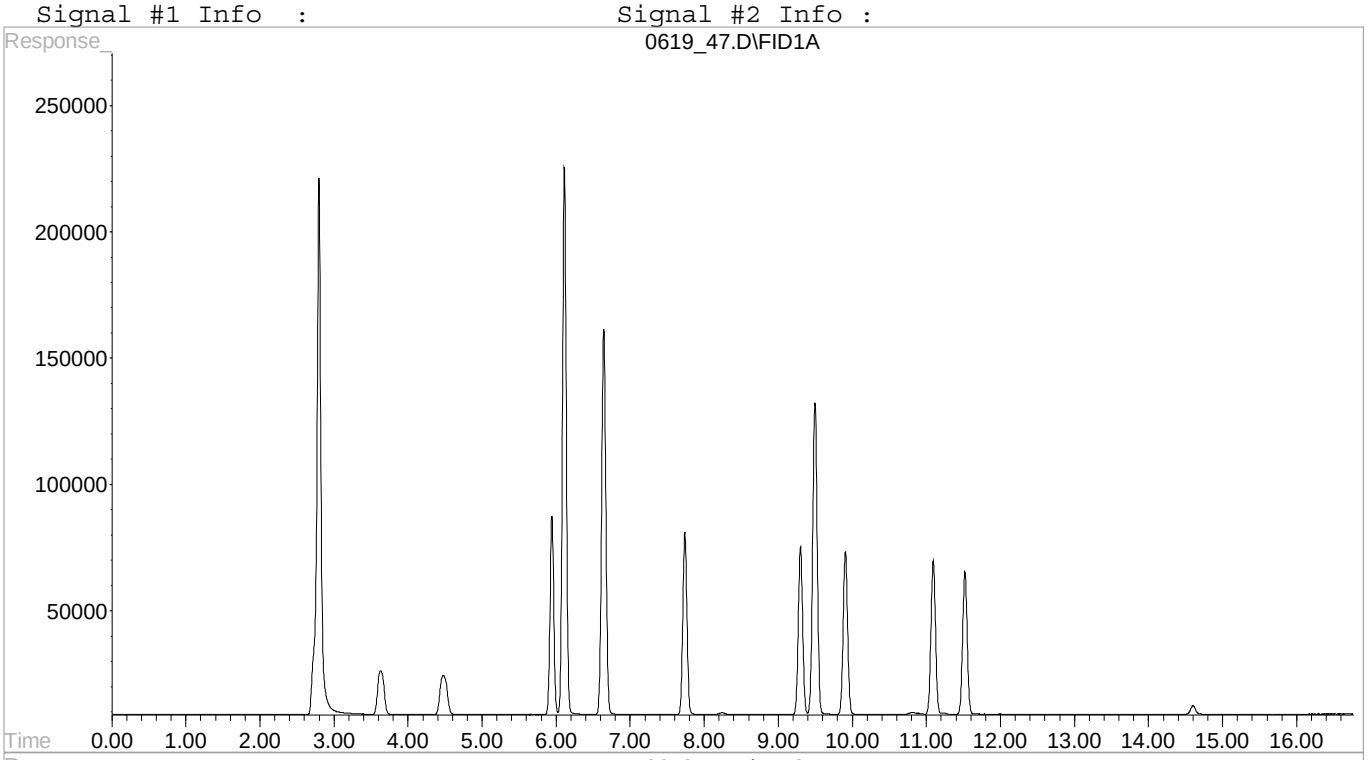
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	0.00	0	N.D.	ppb d
8) I Fluorobenzene #2	6.11	21541320	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	11727436	210.0000000	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.00%		
Target Compounds				
2) H,M TPHG C5 - C12	0.00	0	N.D.	ppm
3) H,M TPHG C6 - C12	0.00	0	N.D.	ppm
4) h,m TPHGAK C6 to C10	0.00	0	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	0.00	0	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	3128606	50.0000000	ppb
11) T,M benzene	5.94	9694829	50.0000000	ppb
12) T,M toluene	7.74	9225725	50.0000000	ppb
13) T,M ethylbenzene	9.30	8238642	50.0000000	ppb
14) T,M m&p-xylene	9.50	18132870	100.0000000	ppb
15) T,M o-xylene	9.91	7955657	50.0000000	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

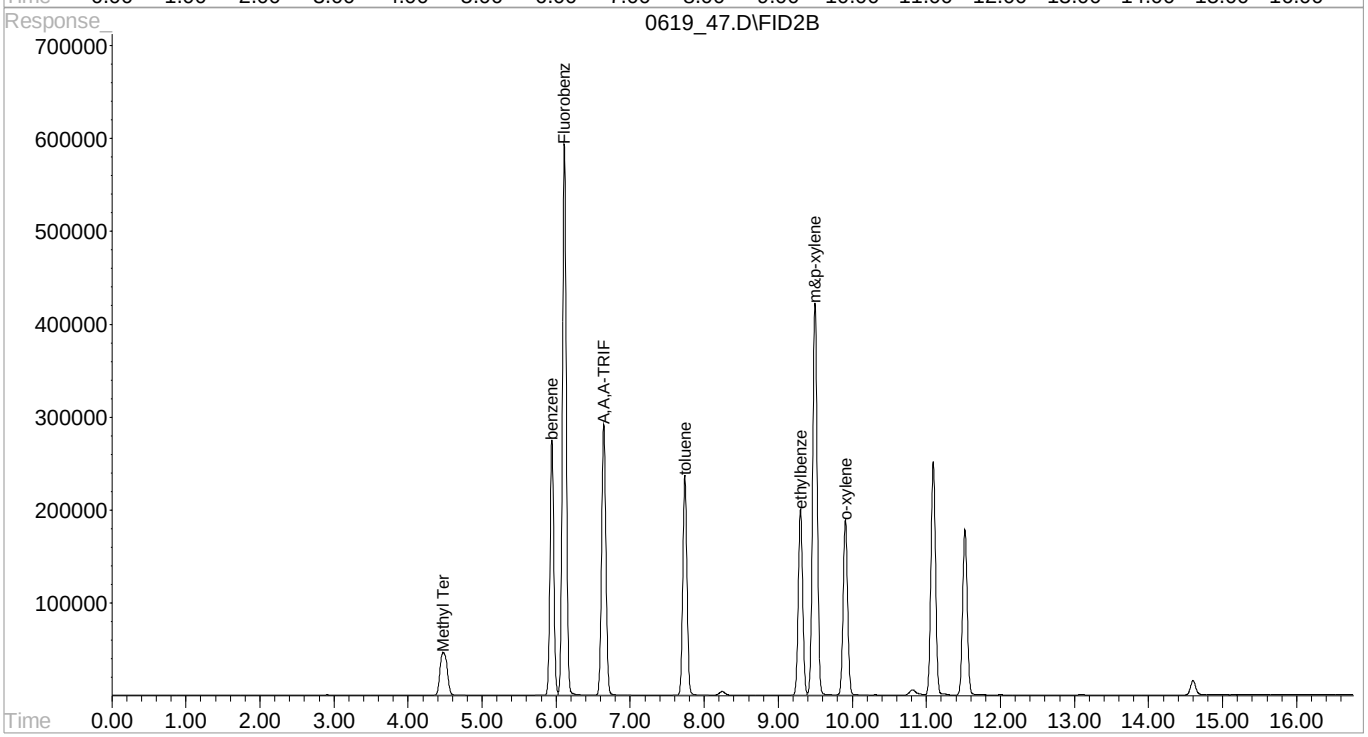
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 47.D\FID1A.CH Vial: 46
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 47.D\FID2B.CH
Acq On : 20 Jun 2014 5:40 am Operator: 621
Sample : MSTD BTEX 50 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:43 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

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Signal #1 : C:\HPCHEM\1\DATA\061914\0619 48.D\FID1A.CH   Vial: 47
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 48.D\FID2B.CH
Acq On    : 20 Jun 2014   6:02 am                    Operator: 621
Sample    : STD BTEX 100 ppb 14B19652                Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014  Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```

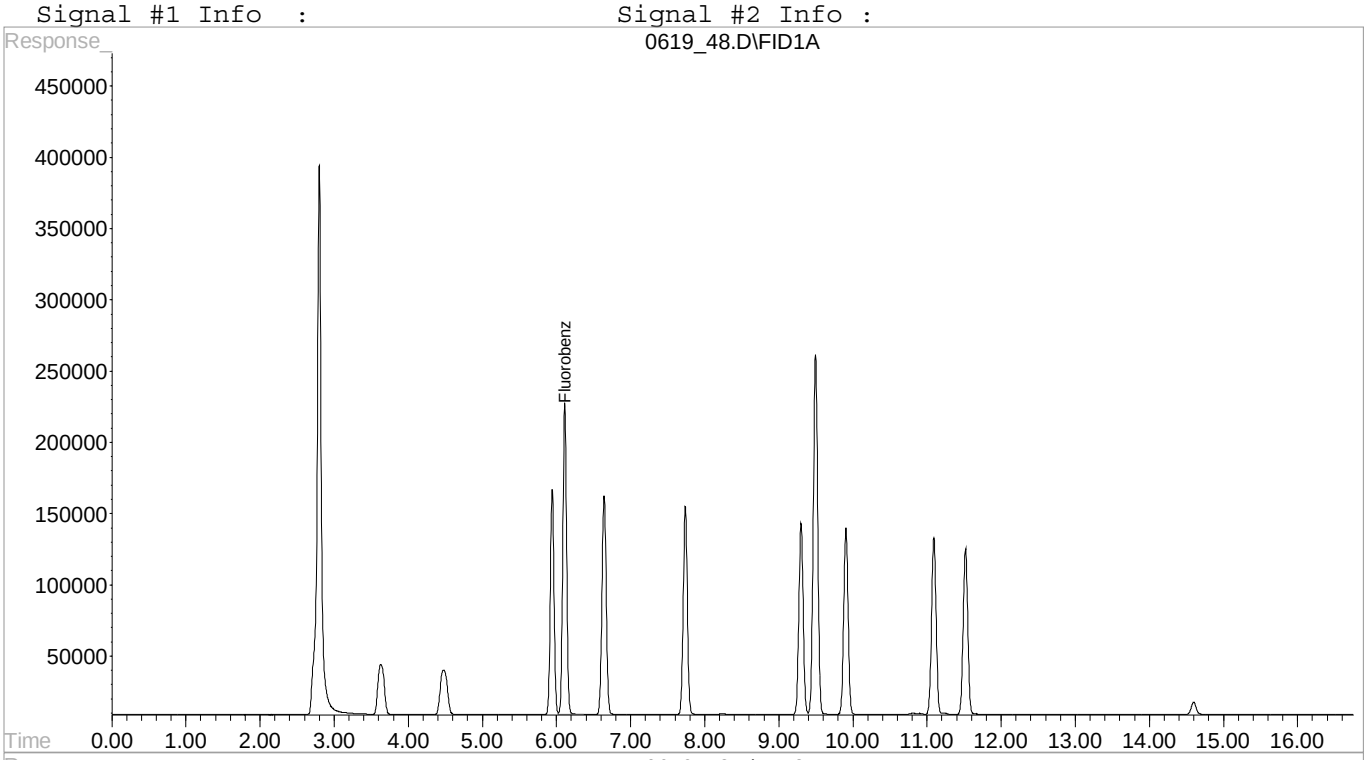
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.11	7824720	200.0000000	ppb
8) I Fluorobenzene #2	6.11	21663361	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.64	6119351	NoCal	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	11780068	209.7541181	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 104.88%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	48472964	NoCal	ppm
3) H,M TPHG C6 - C12	5.70	46287663	NoCal	ppm
4) h,m TPHGAK C6 to C10	5.70	40755261	NoCal	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	45825001	NoCal	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	6152923	97.7793523	ppb
11) T,M benzene	5.94	19286553	98.9078886	ppb
12) T,M toluene	7.74	18363559	98.9629985	ppb
13) T,M ethylbenzene	9.30	16474886	99.4221767	ppb
14) T,M m&p-xylene	9.50	36320117	199.1714862	ppb
15) T,M o-xylene	9.91	15790059	98.6788752	ppb
16) T,M 1,3,5-Trimethylbenzene	11.09	21978005	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	15798091	NoCal	ppb
18) T,M Naphthalene	14.60	1861608	NoCal	ppb

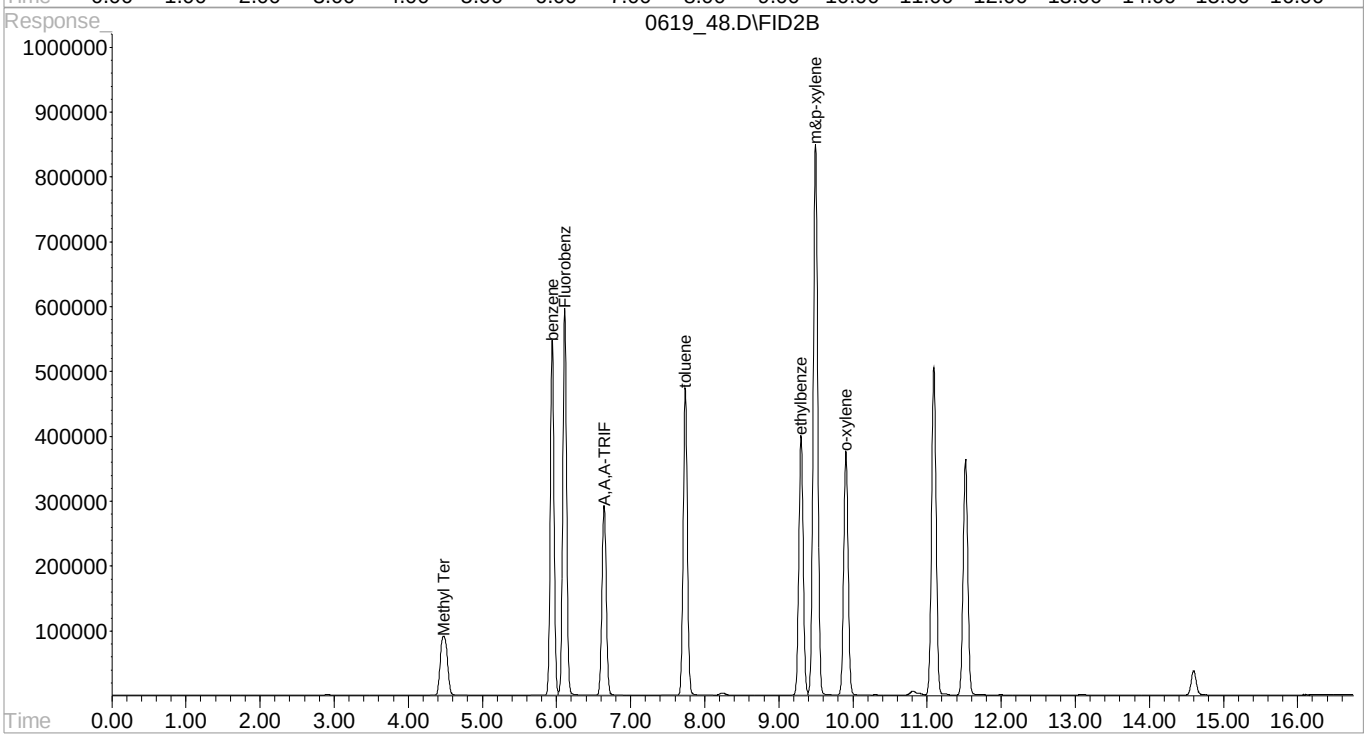
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 48.D\FID1A.CH Vial: 47
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 48.D\FID2B.CH
Acq On : 20 Jun 2014 6:02 am Operator: 621
Sample : STD BTEX 100 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

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Signal #1 : C:\HPCHEM\1\DATA\061914\0619 48.D\FID1A.CH   Vial: 47
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 48.D\FID2B.CH
Acq On    : 20 Jun 2014   6:02 am                    Operator: 621
Sample    : STD BTEX 100 ppb 14B19652                Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:44 2014  Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```

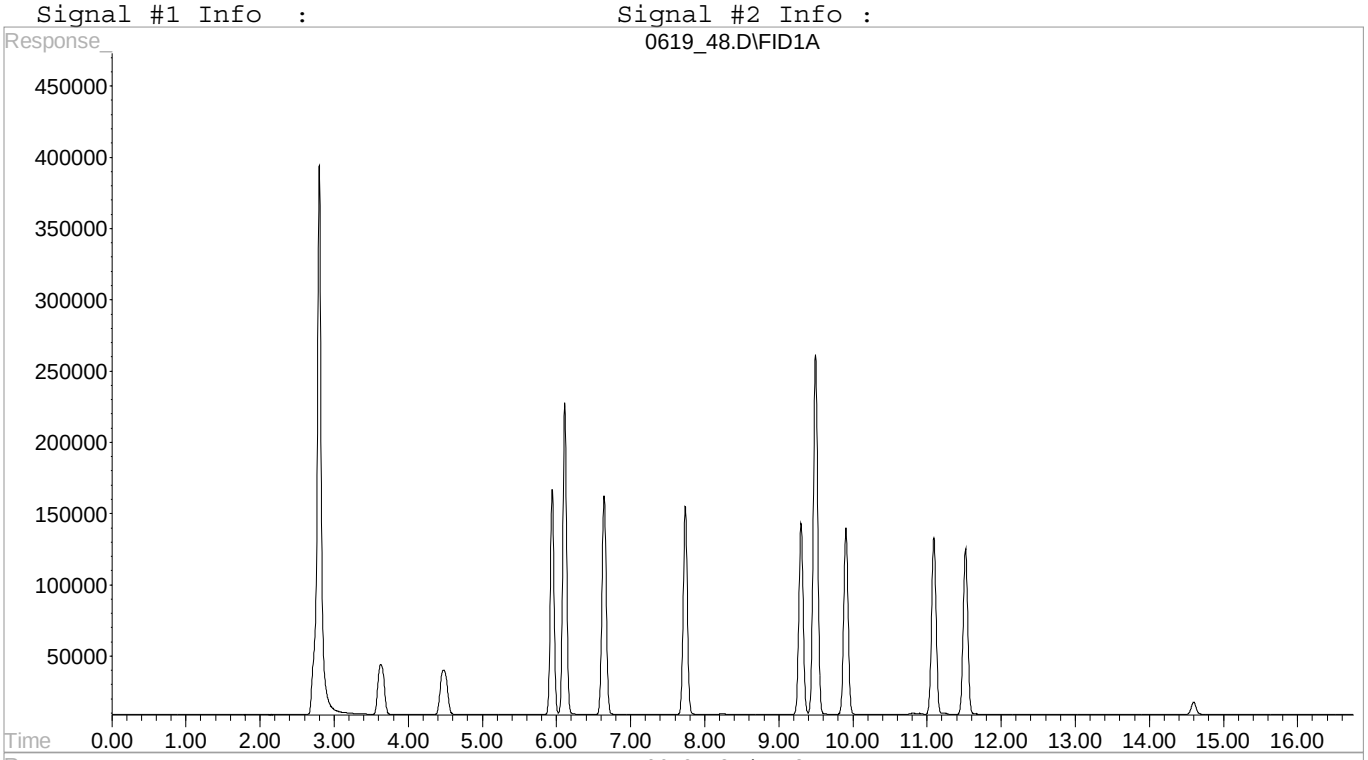
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	0.00	0	N.D.	ppb d
8) I Fluorobenzene #2	6.11	21663361	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.64	11780068	209.7541181	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 104.88%		
Target Compounds				
2) H,M TPHG C5 - C12	0.00	0	N.D.	ppm
3) H,M TPHG C6 - C12	0.00	0	N.D.	ppm
4) h,m TPHGAK C6 to C10	0.00	0	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	0.00	0	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	6152923	97.7793523	ppb
11) T,M benzene	5.94	19286553	98.9078886	ppb
12) T,M toluene	7.74	18363559	98.9629985	ppb
13) T,M ethylbenzene	9.30	16474886	99.4221767	ppb
14) T,M m&p-xylene	9.50	36320117	199.1714862	ppb
15) T,M o-xylene	9.91	15790059	98.6788752	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

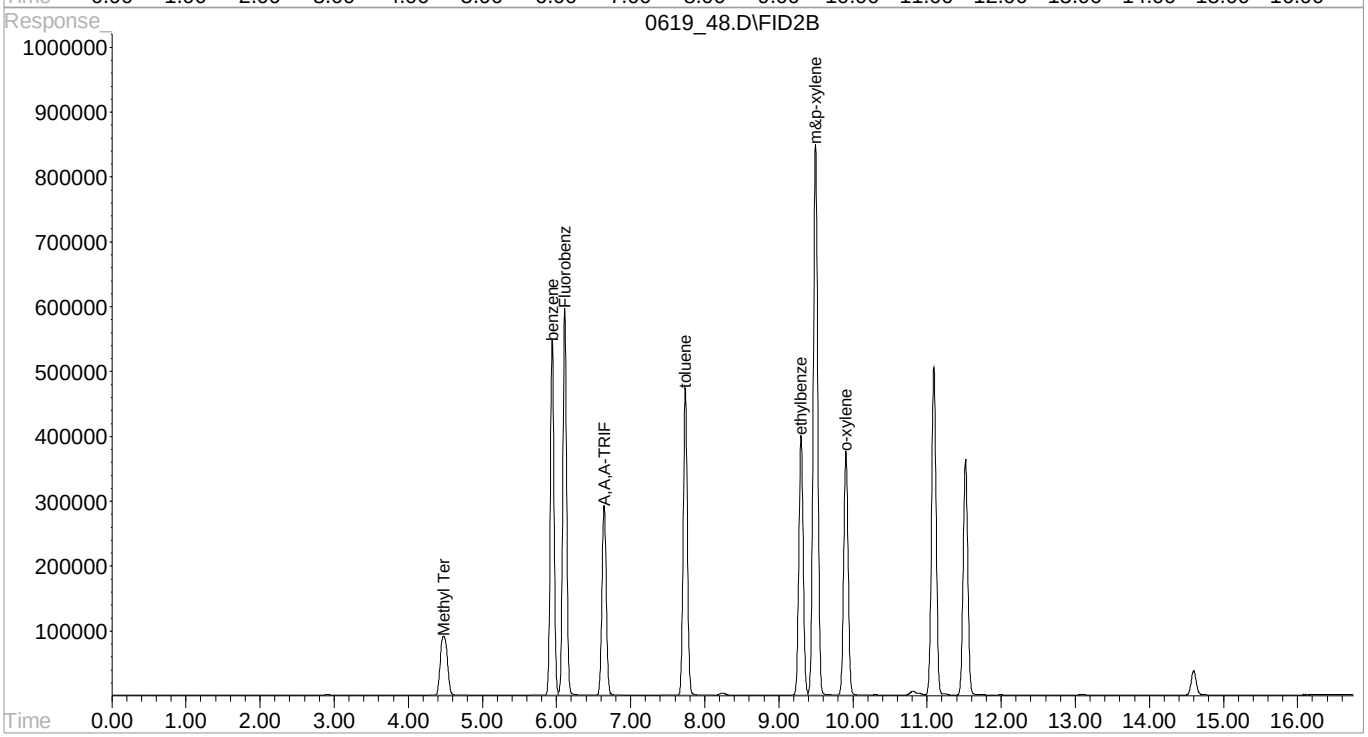
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 48.D\FID1A.CH Vial: 47
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 48.D\FID2B.CH
Acq On : 20 Jun 2014 6:02 am Operator: 621
Sample : STD BTEX 100 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:44 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 49.D\FID1A.CH Vial: 48
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 49.D\FID2B.CH
Acq On : 20 Jun 2014 6:25 am Operator: 621
Sample : STD BTEX 150 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

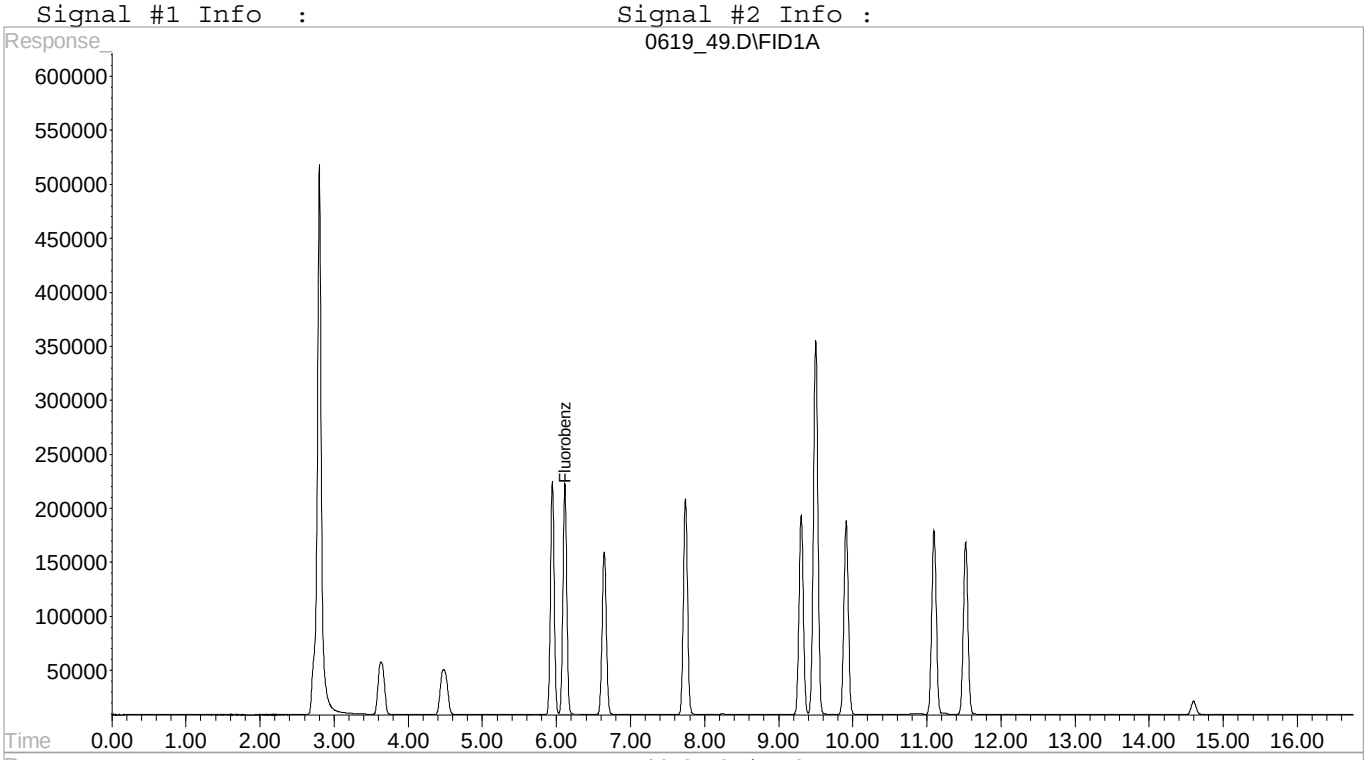
	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I Fluorobenzene #1	6.12	7650690	200.0000000	ppb
8)	I Fluorobenzene #2	6.11	21240733	200.0000000	ppb
	System Monitoring Compounds				
6)	S A,A,A-TRIFLUOROTOLUENE(FID	6.65	6005352	NoCal	ppb
	Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9)	S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11588502	210.4487552	ppb
	Spiked Amount 200.000 Range 55 - 122		Recovery = 105.22%		
	Target Compounds				
2)	H,M TPHG C5 - C12	5.70	66223850	NoCal	ppm
3)	H,M TPHG C6 - C12	5.70	63157156	NoCal	ppm
4)	h,m TPHGAK C6 to C10	5.70	55595290	NoCal	ppm
5)	h,m TPH (GC/FID) Low Fraction	5.70	62514216	NoCal	ppm
10)	T,M Methyl Tert-Butyl Ether	4.48	8105942	131.3788562	ppb
11)	T,M benzene	5.95	26271073	137.4075070	ppb
12)	T,M toluene	7.74	24944288	137.1018935	ppb
13)	T,M ethylbenzene	9.30	22414134	137.9555491	ppb
14)	T,M m&p-xylene	9.50	49312862	275.8014048	ppb
15)	T,M o-xylene	9.91	21394021	136.3606978	ppb
16)	T,M 1,3,5-Trimethylbenzene	11.10	29829134	NoCal	ppb
17)	T,M 1,2,4-Trimethylbenzene	11.52	21430183	NoCal	ppb
18)	T,M Naphthalene	14.60	2578903	NoCal	ppb

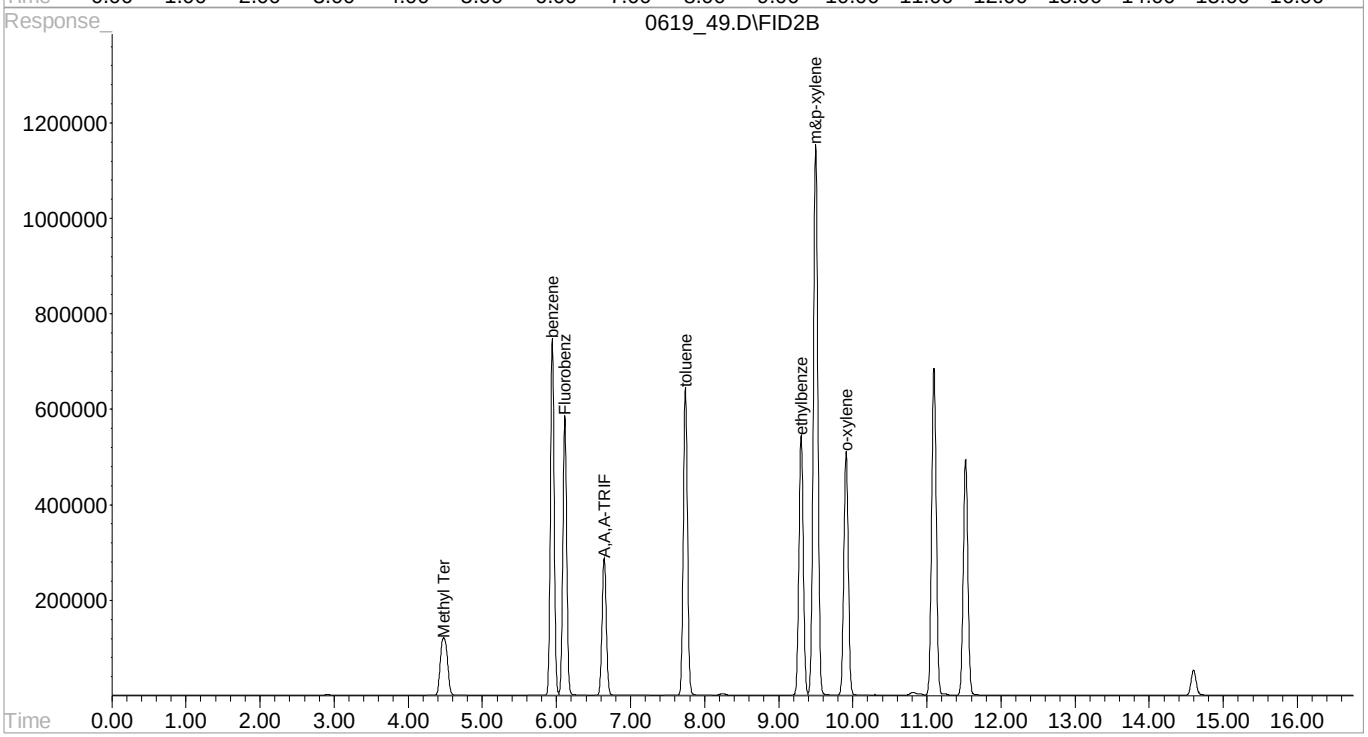
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 49.D\FID1A.CH Vial: 48
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 49.D\FID2B.CH
Acq On : 20 Jun 2014 6:25 am Operator: 621
Sample : STD BTEX 150 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 49.D\FID1A.CH Vial: 48
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 49.D\FID2B.CH
Acq On : 20 Jun 2014 6:25 am Operator: 621
Sample : STD BTEX 150 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:44 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

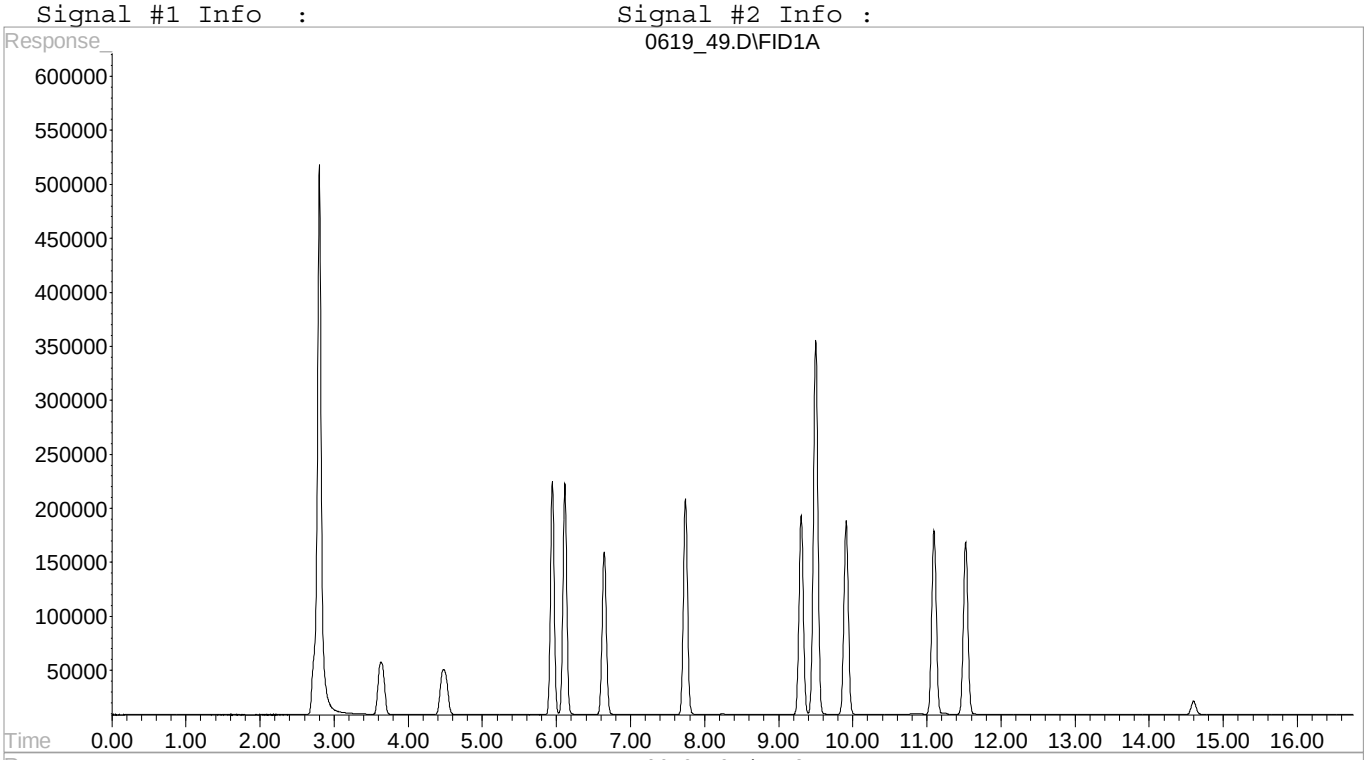
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	0.00	0	N.D.	ppb d
8) I Fluorobenzene #2	6.11	21240733	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11588502	210.4487552	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.22%		
Target Compounds				
2) H,M TPHG C5 - C12	0.00	0	N.D.	ppm
3) H,M TPHG C6 - C12	0.00	0	N.D.	ppm
4) h,m TPHGAK C6 to C10	0.00	0	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	0.00	0	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	8105942	131.3788562	ppb
11) T,M benzene	5.95	26271073	137.4075070	ppb
12) T,M toluene	7.74	24944288	137.1018935	ppb
13) T,M ethylbenzene	9.30	22414134	137.9555491	ppb
14) T,M m&p-xylene	9.50	49312862	275.8014048	ppb
15) T,M o-xylene	9.91	21394021	136.3606978	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

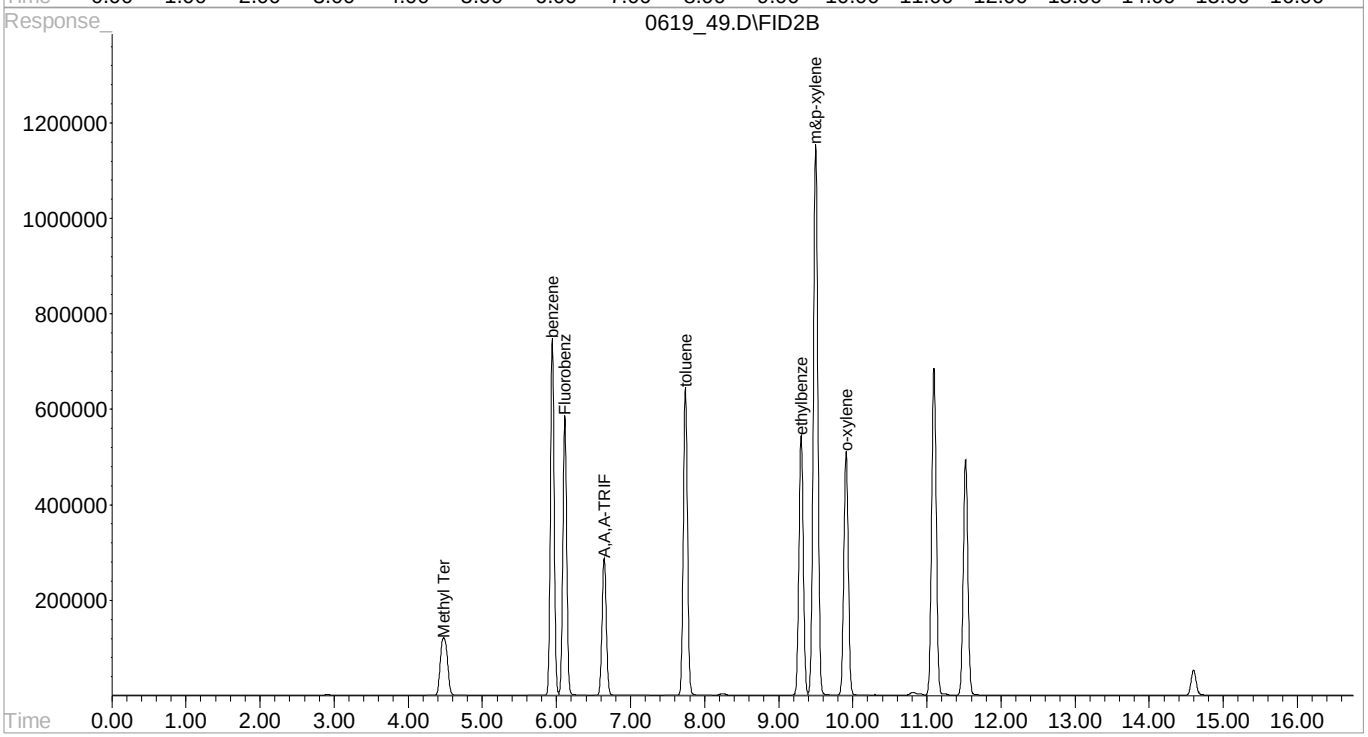
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 49.D\FID1A.CH Vial: 48
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 49.D\FID2B.CH
Acq On : 20 Jun 2014 6:25 am Operator: 621
Sample : STD BTEX 150 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:44 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 50.D\FID1A.CH Vial: 49
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 50.D\FID2B.CH
Acq On : 20 Jun 2014 6:47 am Operator: 621
Sample : STD BTEX 200 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

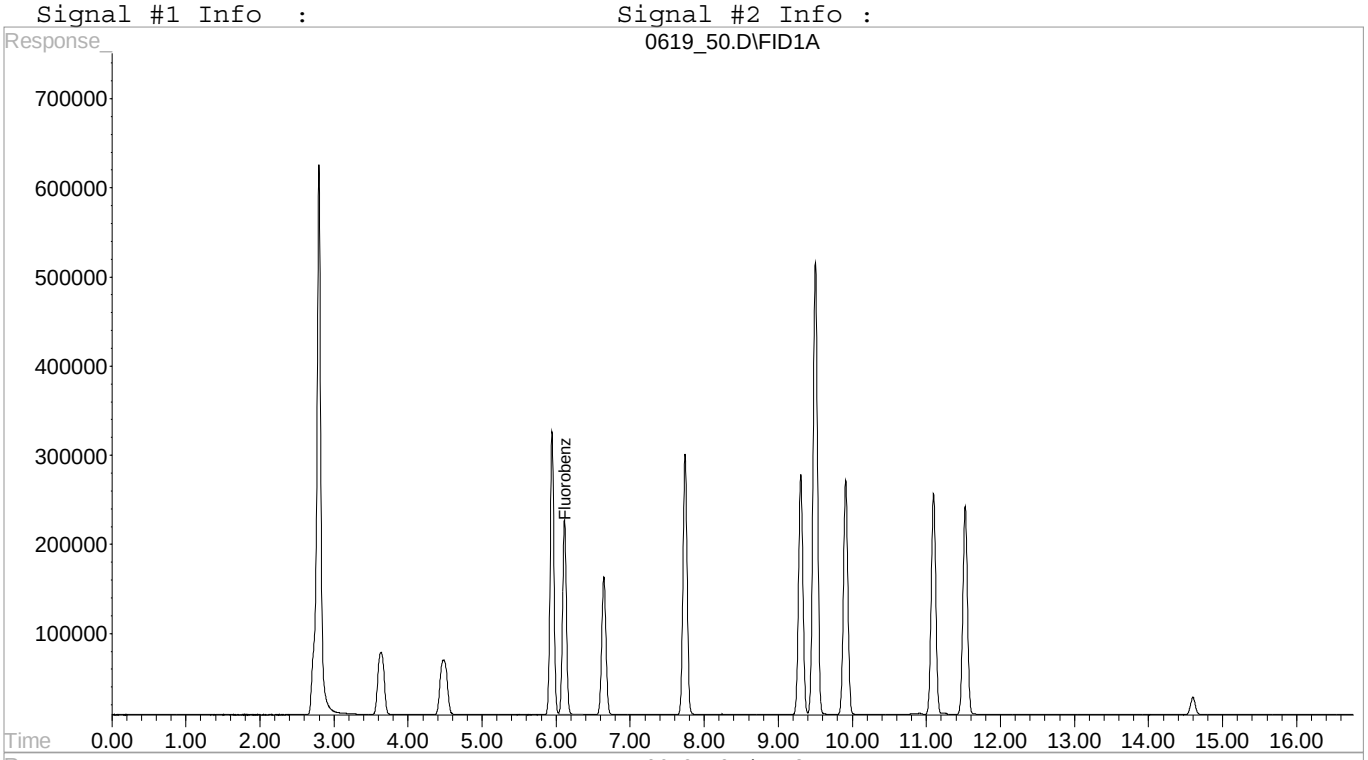
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.11	7831527	200.0000000	ppb
8) I Fluorobenzene #2	6.11	21640994	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	6147371	NoCal	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11767075	209.7393283	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 104.87%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	96650375	NoCal	ppm
3) H,M TPHG C6 - C12	5.70	92416330	NoCal	ppm
4) h,m TPHGAK C6 to C10	5.70	81061600	NoCal	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	91167863	NoCal	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	11758178	187.0485402	ppb
11) T,M benzene	5.94	38172649	195.9644221	ppb
12) T,M toluene	7.74	36161421	195.0788152	ppb
13) T,M ethylbenzene	9.30	32471172	196.1586485	ppb
14) T,M m&p-xylene	9.50	71071599	390.1437355	ppb
15) T,M o-xylene	9.91	30897658	193.2923353	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	42998643	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	30978497	NoCal	ppb
18) T,M Naphthalene	14.60	3911383	NoCal	ppb

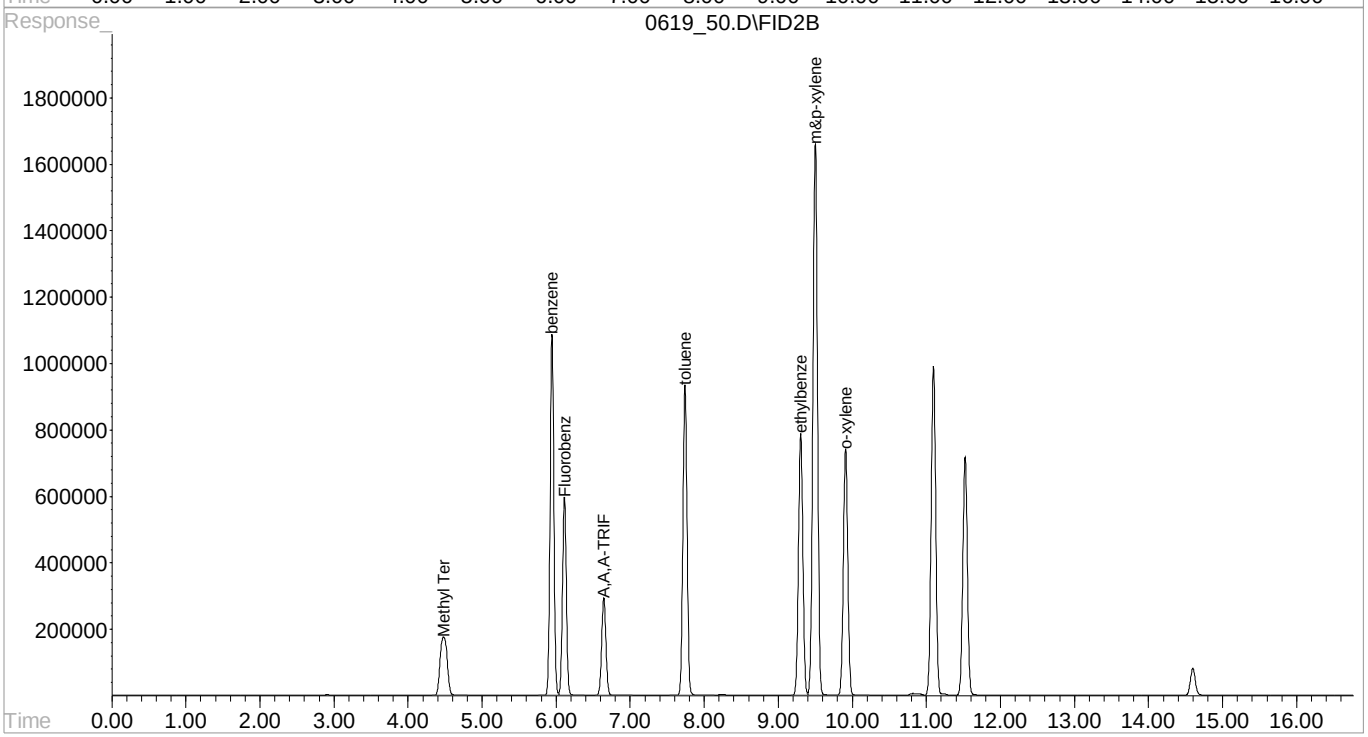
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 50.D\FID1A.CH Vial: 49
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 50.D\FID2B.CH
Acq On : 20 Jun 2014 6:47 am Operator: 621
Sample : STD BTEX 200 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 50.D\FID1A.CH Vial: 49
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 50.D\FID2B.CH
Acq On : 20 Jun 2014 6:47 am Operator: 621
Sample : STD BTEX 200 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:44 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

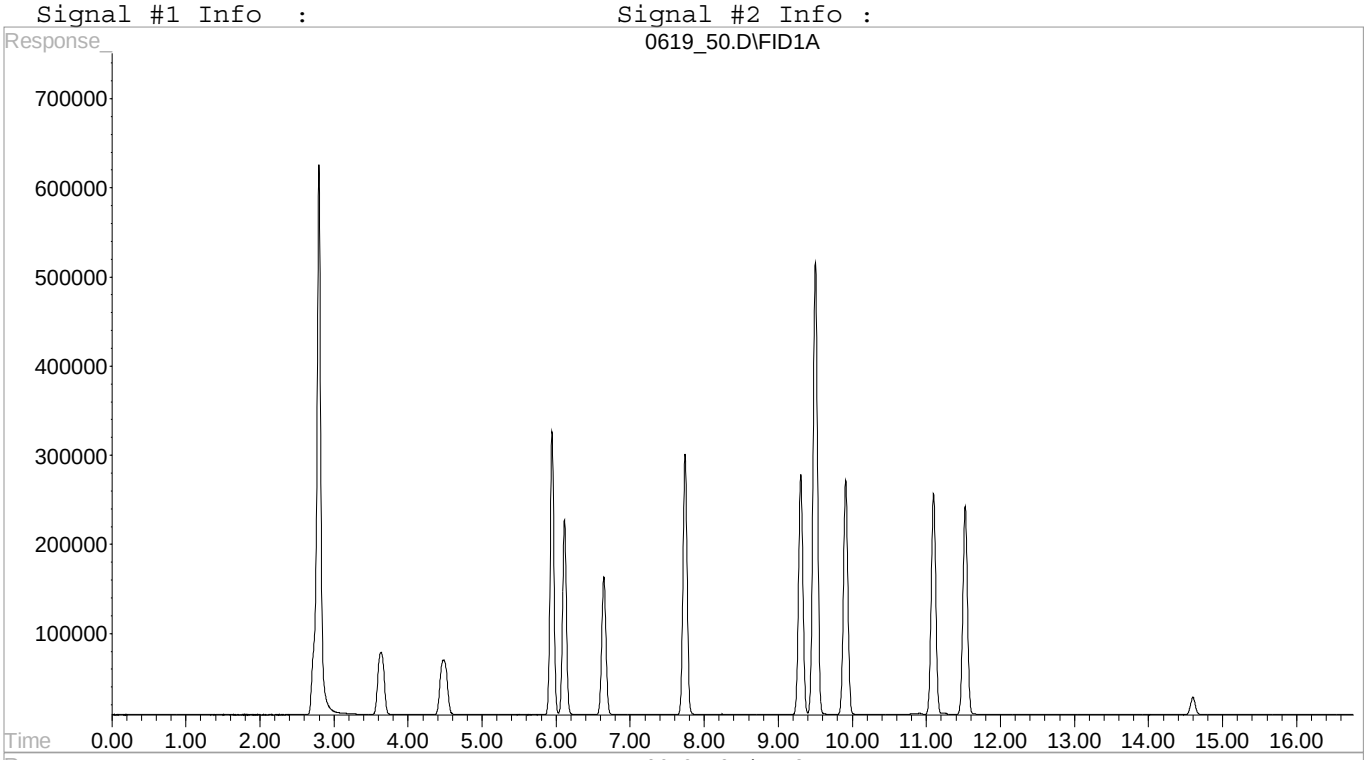
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	0.00	0	N.D.	ppb d
8) I Fluorobenzene #2	6.11	21640994	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11767075	209.7393283	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 104.87%		
Target Compounds				
2) H,M TPHG C5 - C12	0.00	0	N.D.	ppm
3) H,M TPHG C6 - C12	0.00	0	N.D.	ppm
4) h,m TPHGAK C6 to C10	0.00	0	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	0.00	0	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	11758178	187.0485402	ppb
11) T,M benzene	5.94	38172649	195.9644221	ppb
12) T,M toluene	7.74	36161421	195.0788152	ppb
13) T,M ethylbenzene	9.30	32471172	196.1586485	ppb
14) T,M m&p-xylene	9.50	71071599	390.1437355	ppb
15) T,M o-xylene	9.91	30897658	193.2923353	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

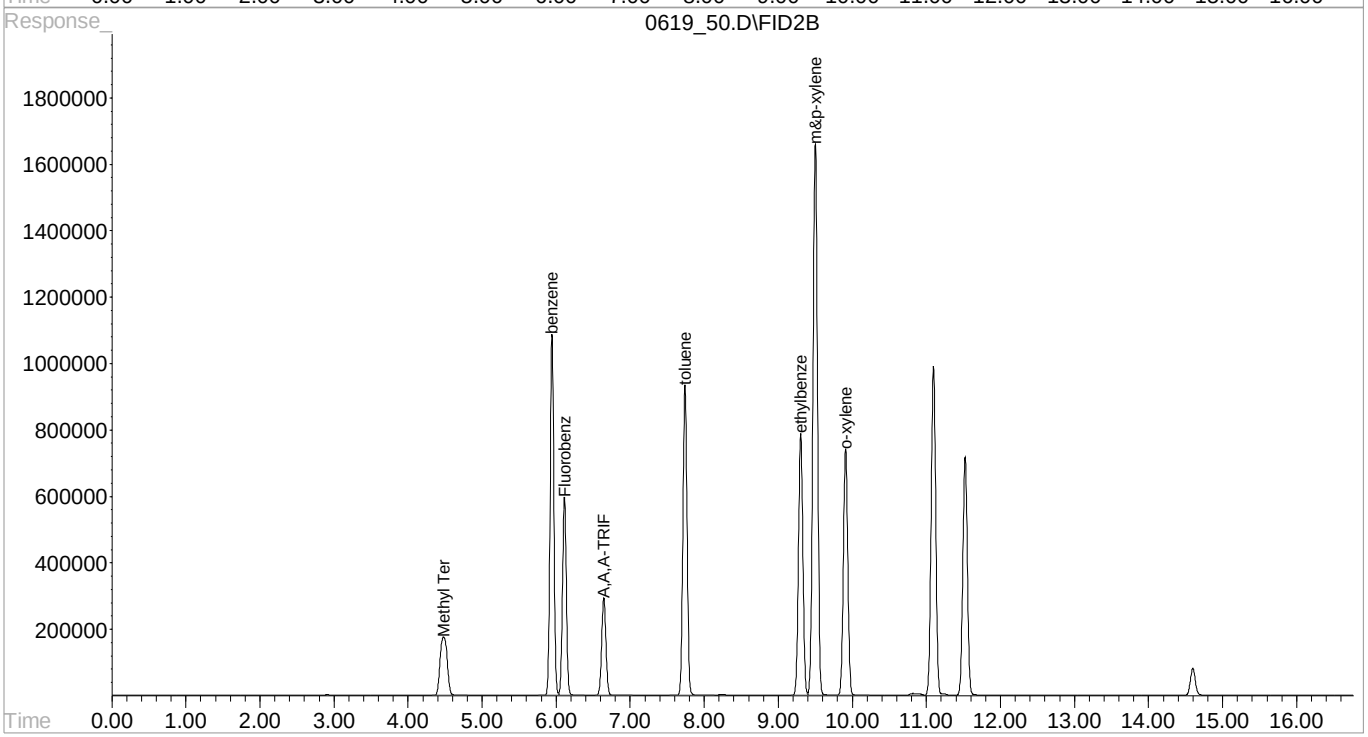
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 50.D\FID1A.CH Vial: 49
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 50.D\FID2B.CH
Acq On : 20 Jun 2014 6:47 am Operator: 621
Sample : STD BTEX 200 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:44 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

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Signal #1 : C:\HPCHEM\1\DATA\061914\0619 51.D\FID1A.CH   Vial: 50
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 51.D\FID2B.CH
Acq On    : 20 Jun 2014   7:09 am                    Operator: 621
Sample    : STD BTEX 250 ppb 14B19652                Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014  Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```

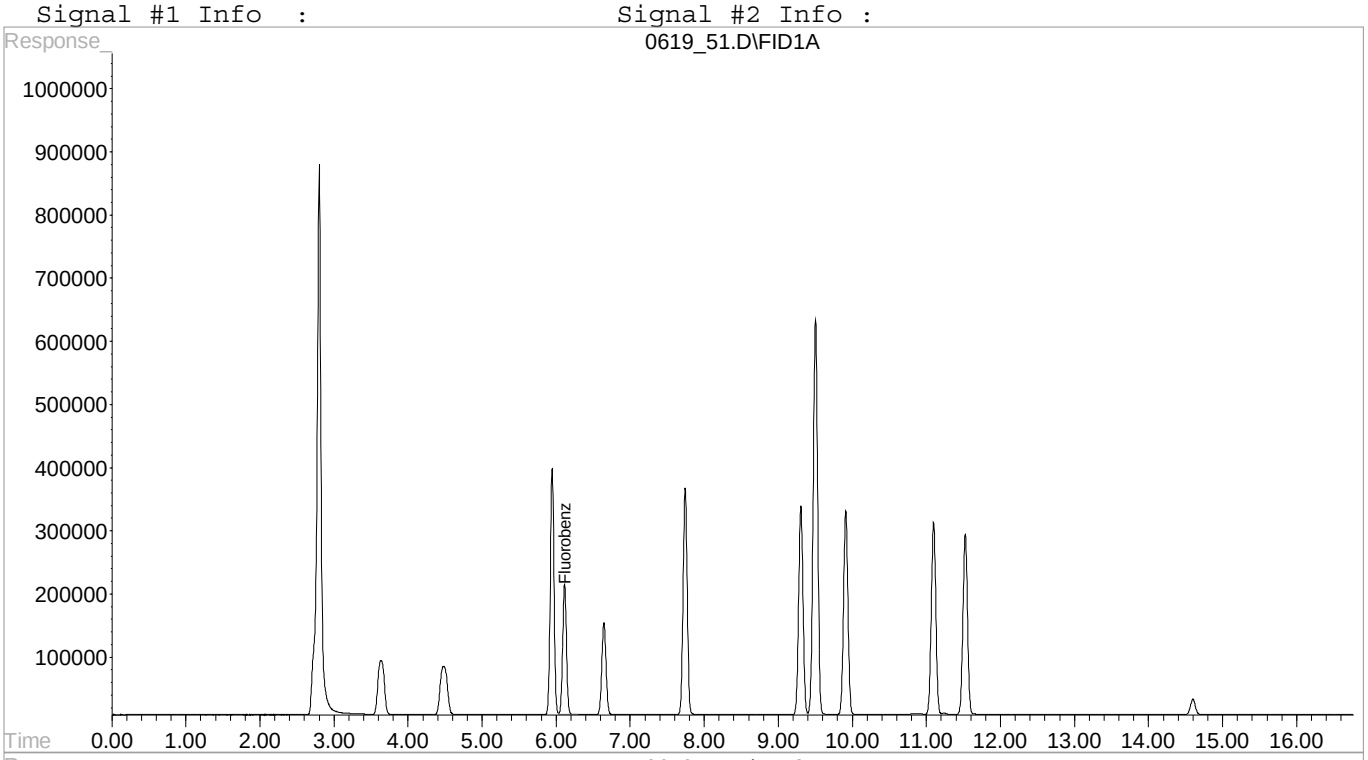
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	7353729	200.0000000	ppb
8) I Fluorobenzene #2	6.11	20401178	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5787737	NoCal	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11052091	208.9670220	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 104.48%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	118519522	NoCal	ppm
3) H,M TPHG C6 - C12	5.70	113277081	NoCal	ppm
4) h,m TPHGAK C6 to C10	5.70	99499642	NoCal	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	111850001	NoCal	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	14504864	244.7653303	ppb
11) T,M benzene	5.95	46721112	254.4251688	ppb
12) T,M toluene	7.74	44257555	253.2643146	ppb
13) T,M ethylbenzene	9.31	39731328	254.6035979	ppb
14) T,M m&p-xylene	9.50	86569103	504.0962098	ppb
15) T,M o-xylene	9.91	37593516	249.4732493	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	52375893	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.53	37658222	NoCal	ppb
18) T,M Naphthalene	14.60	4812291	NoCal	ppb

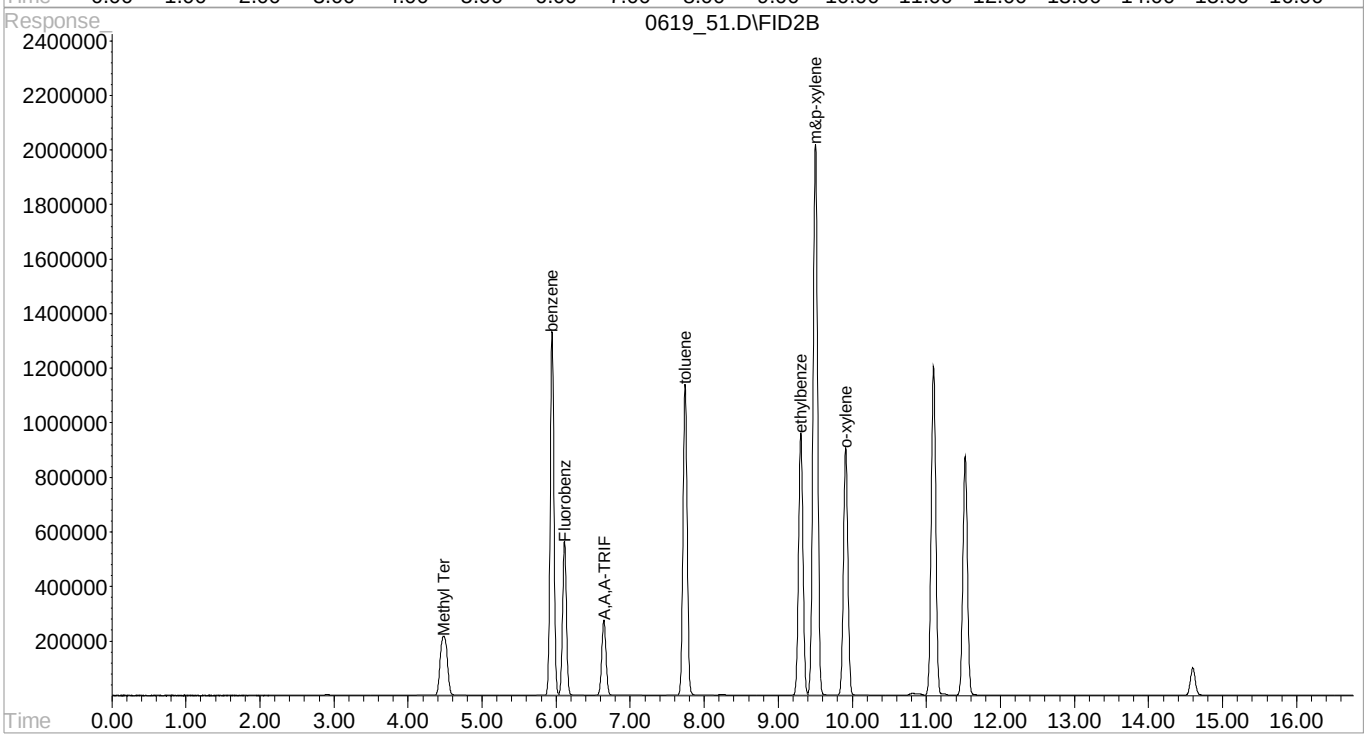
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 51.D\FID1A.CH Vial: 50
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 51.D\FID2B.CH
Acq On : 20 Jun 2014 7:09 am Operator: 621
Sample : STD BTEX 250 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:41 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

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Signal #1 : C:\HPCHEM\1\DATA\061914\0619 51.D\FID1A.CH   Vial: 50
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 51.D\FID2B.CH
Acq On    : 20 Jun 2014   7:09 am                    Operator: 621
Sample    : STD BTEX 250 ppb 14B19652                Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:44 2014  Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:41:06 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```

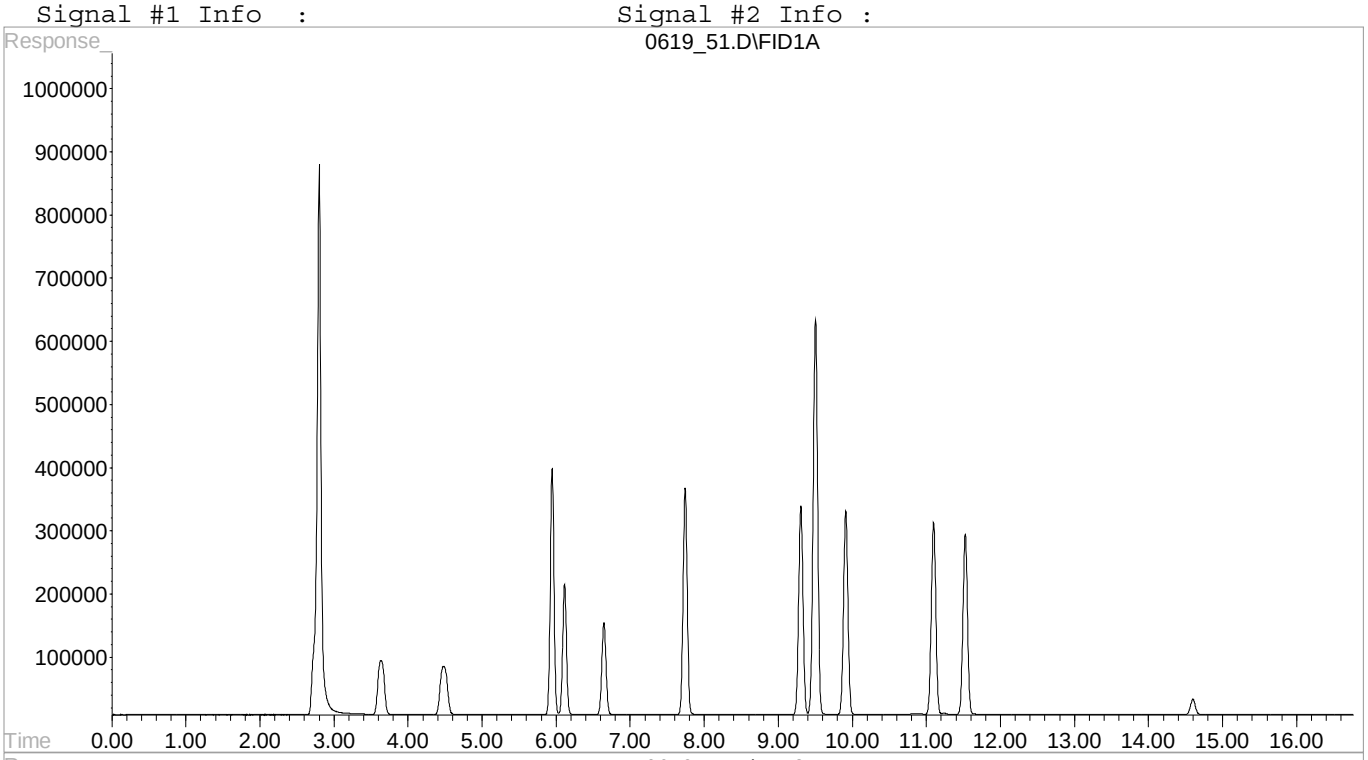
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	0.00	0	N.D.	ppb d
8) I Fluorobenzene #2	6.11	20401178	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 62 - 128		Recovery = 0.00%#		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11052091	208.9670220	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 104.48%		
Target Compounds				
2) H,M TPHG C5 - C12	0.00	0	N.D.	ppm
3) H,M TPHG C6 - C12	0.00	0	N.D.	ppm
4) h,m TPHGAK C6 to C10	0.00	0	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	0.00	0	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.48	14504864	244.7653303	ppb
11) T,M benzene	5.95	46721112	254.4251688	ppb
12) T,M toluene	7.74	44257555	253.2643146	ppb
13) T,M ethylbenzene	9.31	39731328	254.6035979	ppb
14) T,M m&p-xylene	9.50	86569103	504.0962098	ppb
15) T,M o-xylene	9.91	37593516	249.4732493	ppb
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

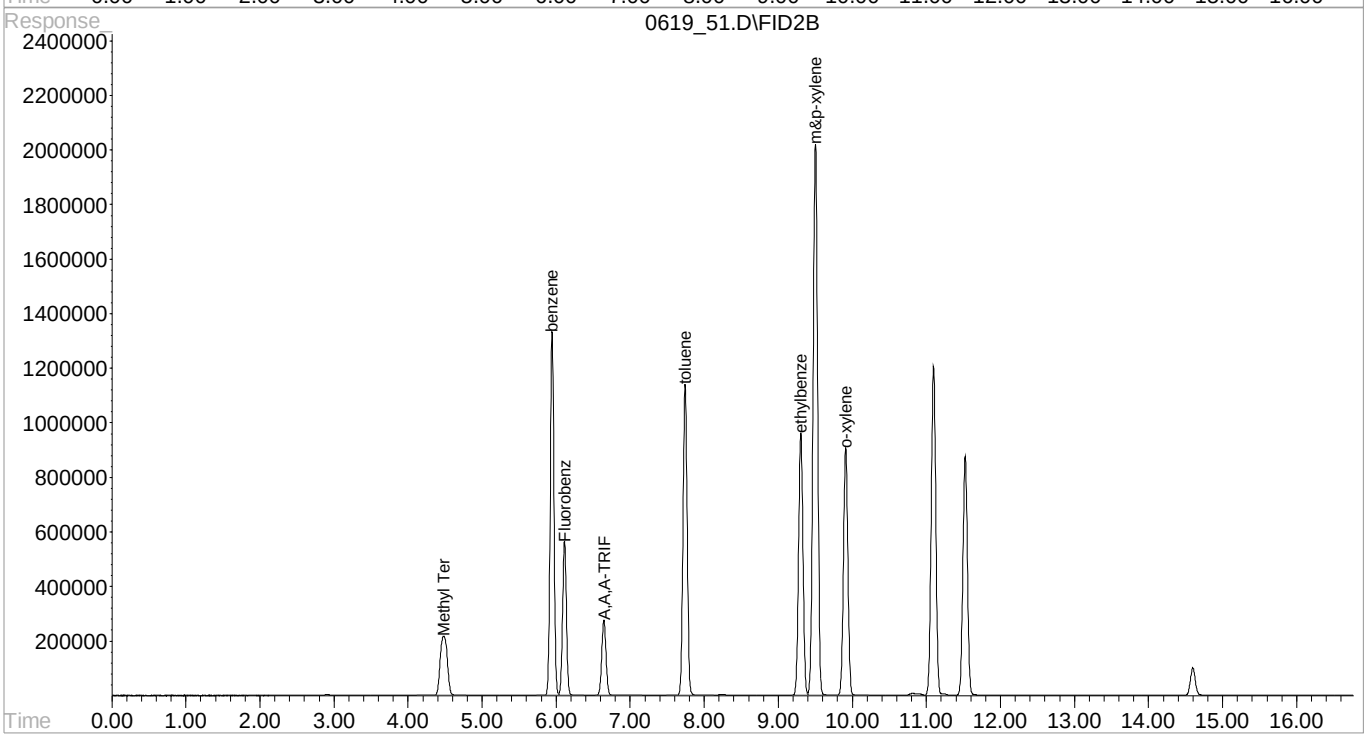
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 51.D\FID1A.CH Vial: 50
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 51.D\FID2B.CH
Acq On : 20 Jun 2014 7:09 am Operator: 621
Sample : STD BTEX 250 ppb 14B19652 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:44 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:41:06 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 55.D\FID1A.CH Vial: 54
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 55.D\FID2B.CH
Acq On : 20 Jun 2014 8:38 am Operator: 621
Sample : STD GRO .055 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

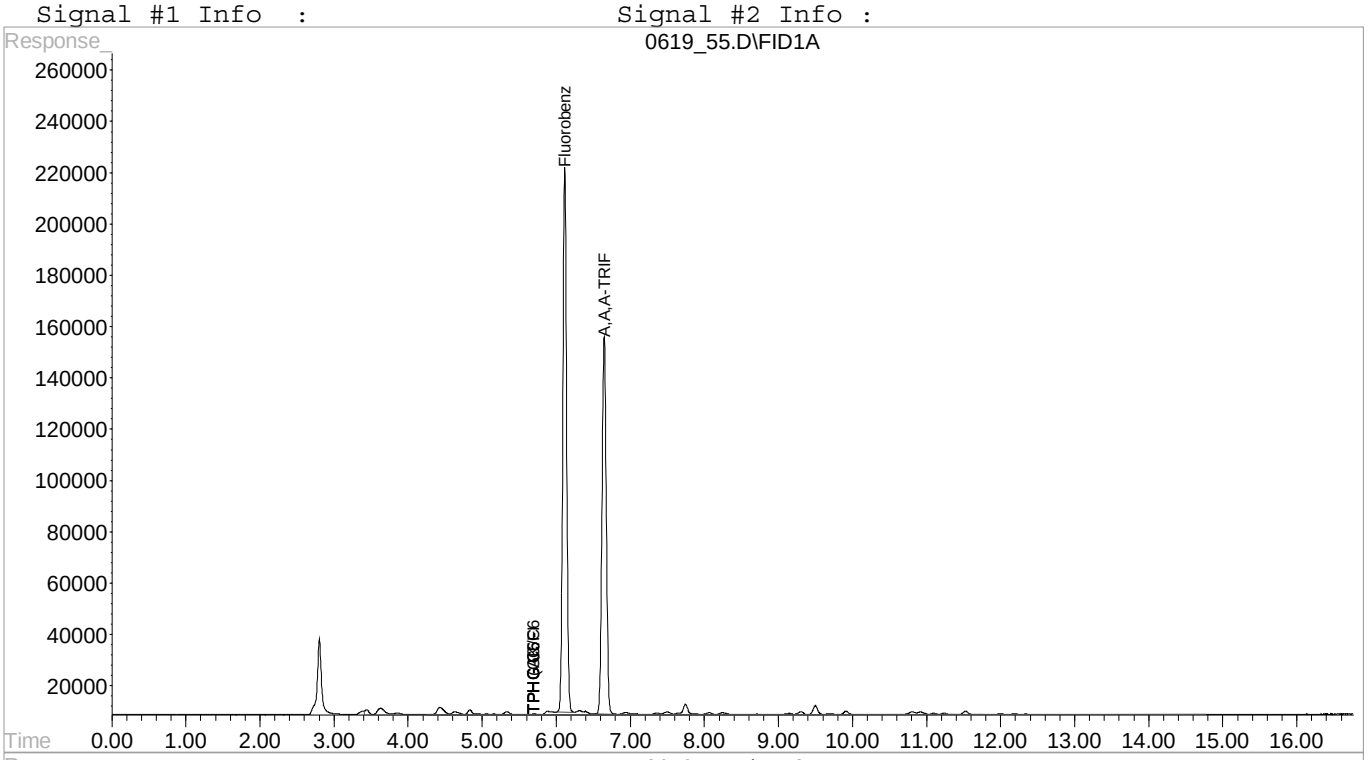
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	7565422	200.0000000	ppb
8) I Fluorobenzene #2	6.12	21328577	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5845822	195.1908776	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 97.60%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11478899	206.8157234	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 103.41%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	2593168	0.0707579	ppm
3) H,M TPHG C6 - C12	5.70	2304477	0.0730003	ppm
4) h,m TPHGAK C6 to C10	5.70	2000729	0.0730650	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	2078535	0.0724362	ppm
10) T,M Methyl Tert-Butyl Ether	4.47	154008	2.3515982	ppb
11) T,M benzene	5.95	111258	0.5681536	ppb
12) T,M toluene	7.74	635188	3.4213742	ppb
13) T,M ethylbenzene	9.31	150592	0.9084356	ppb
14) T,M m&p-xylene	9.50	572022	3.1049954	ppb
15) T,M o-xylene	9.91	203497	1.2549203	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	101816	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.53	215035	NoCal	ppb
18) T,M Naphthalene	14.49f	3729	NoCal	ppb

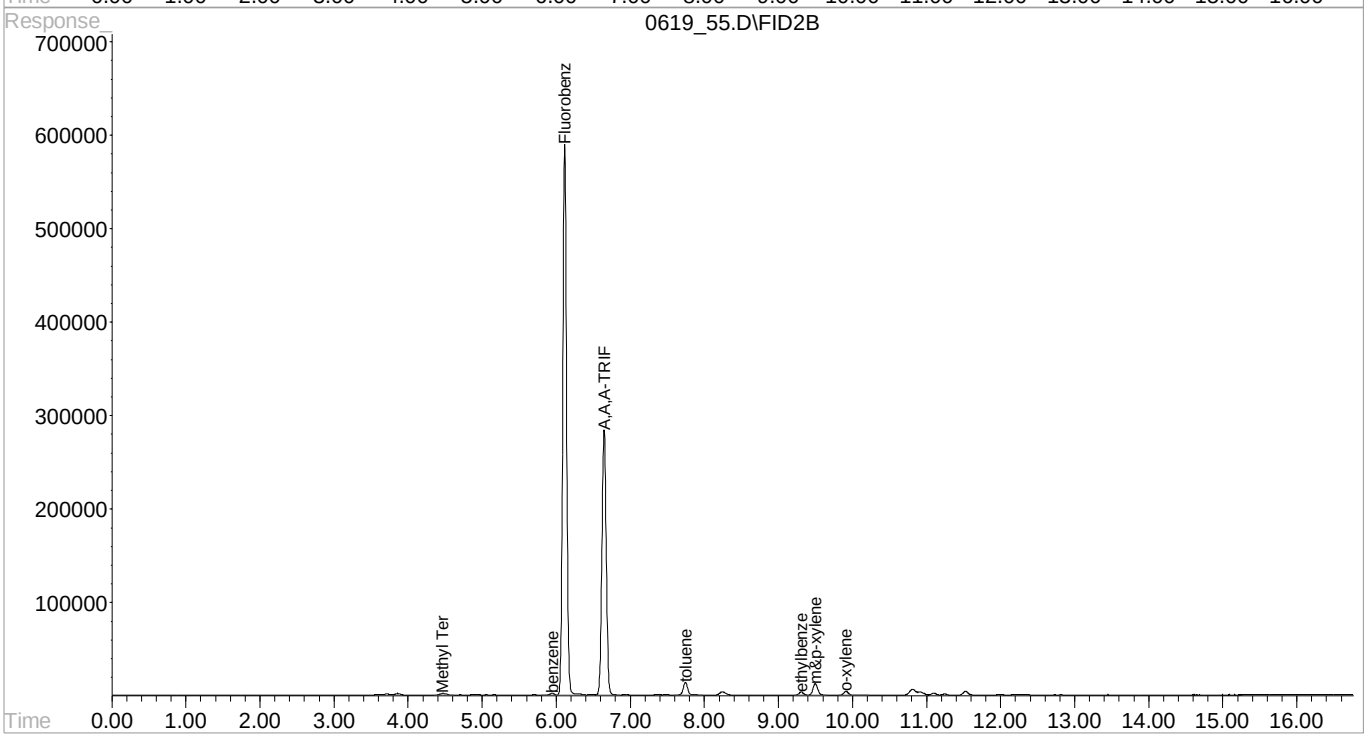
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 55.D\FID1A.CH Vial: 54
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 55.D\FID2B.CH
Acq On : 20 Jun 2014 8:38 am Operator: 621
Sample : STD GRO .055 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 55.D\FID1A.CH Vial: 54
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 55.D\FID2B.CH
Acq On : 20 Jun 2014 8:38 am Operator: 621
Sample : STD GRO .055 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

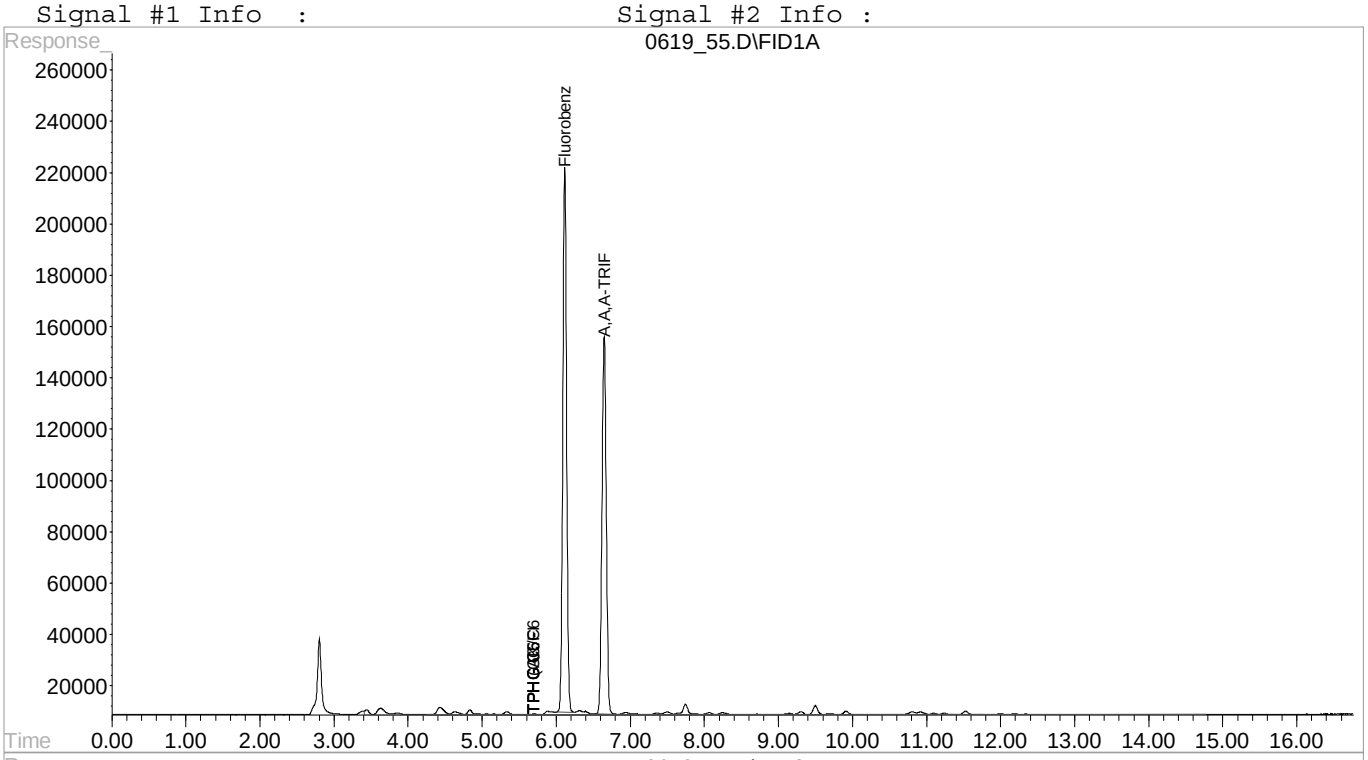
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	7565422	200.0000000	ppb
8) I Fluorobenzene #2	6.12	21328577	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5845822	195.1908776	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 97.60%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11478899	206.8157234	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 103.41%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	2593168	0.0707579	ppm
3) H,M TPHG C6 - C12	5.70	2304477	0.0730003	ppm
4) h,m TPHGAK C6 to C10	5.70	2000729	0.0730650	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	2078535	0.0724362	ppm
10) T,M Methyl Tert-Butyl Ether	4.47	154008	2.3515982	ppb
11) T,M benzene	5.95	111258	0.5681536	ppb
12) T,M toluene	7.74	635188	3.4213742	ppb
13) T,M ethylbenzene	9.31	150592	0.9084356	ppb
14) T,M m&p-xylene	9.50	572022	3.1049954	ppb
15) T,M o-xylene	9.91	203497	1.2549203	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	101816	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.53	215035	NoCal	ppb
18) T,M Naphthalene	14.49f	3729	NoCal	ppb

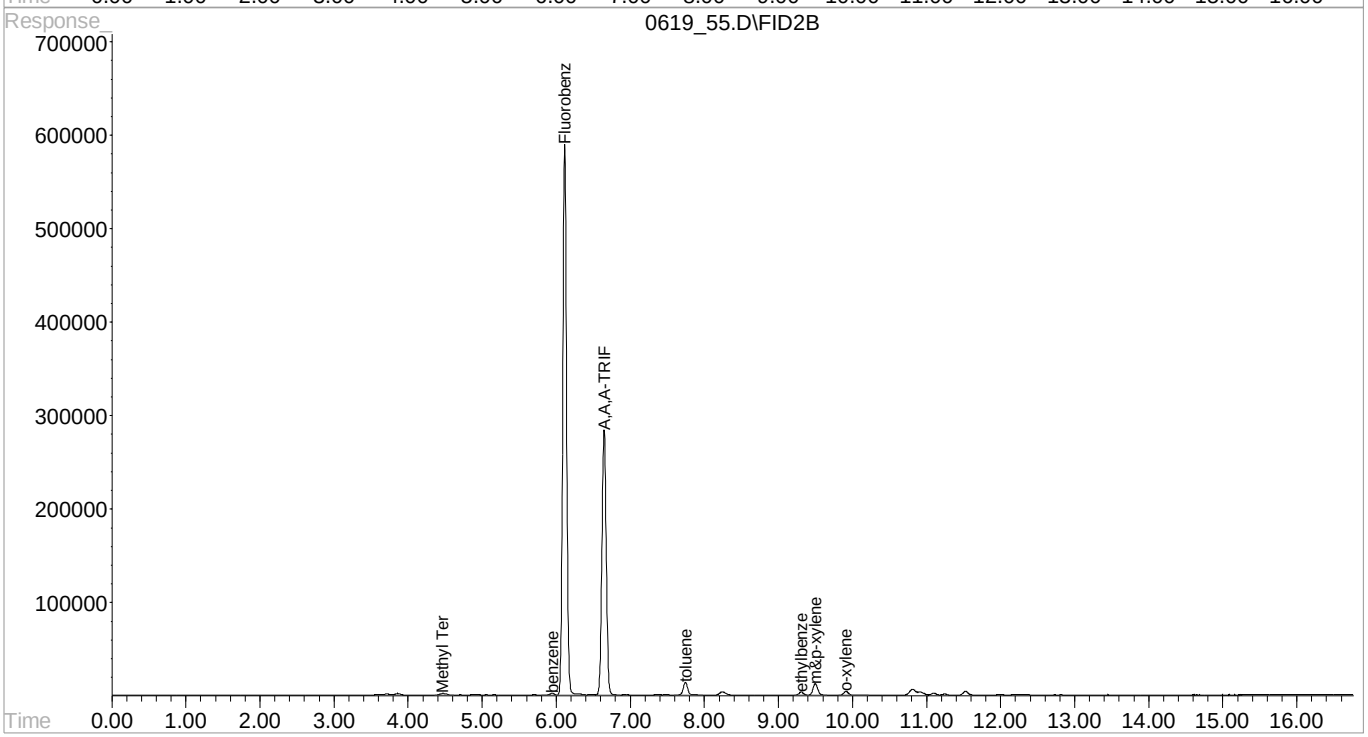
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 55.D\FID1A.CH Vial: 54
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 55.D\FID2B.CH
Acq On : 20 Jun 2014 8:38 am Operator: 621
Sample : STD GRO .055 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 56.D\FID1A.CH Vial: 55
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 56.D\FID2B.CH
Acq On : 20 Jun 2014 9:00 am Operator: 621
Sample : STD GRO .11 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

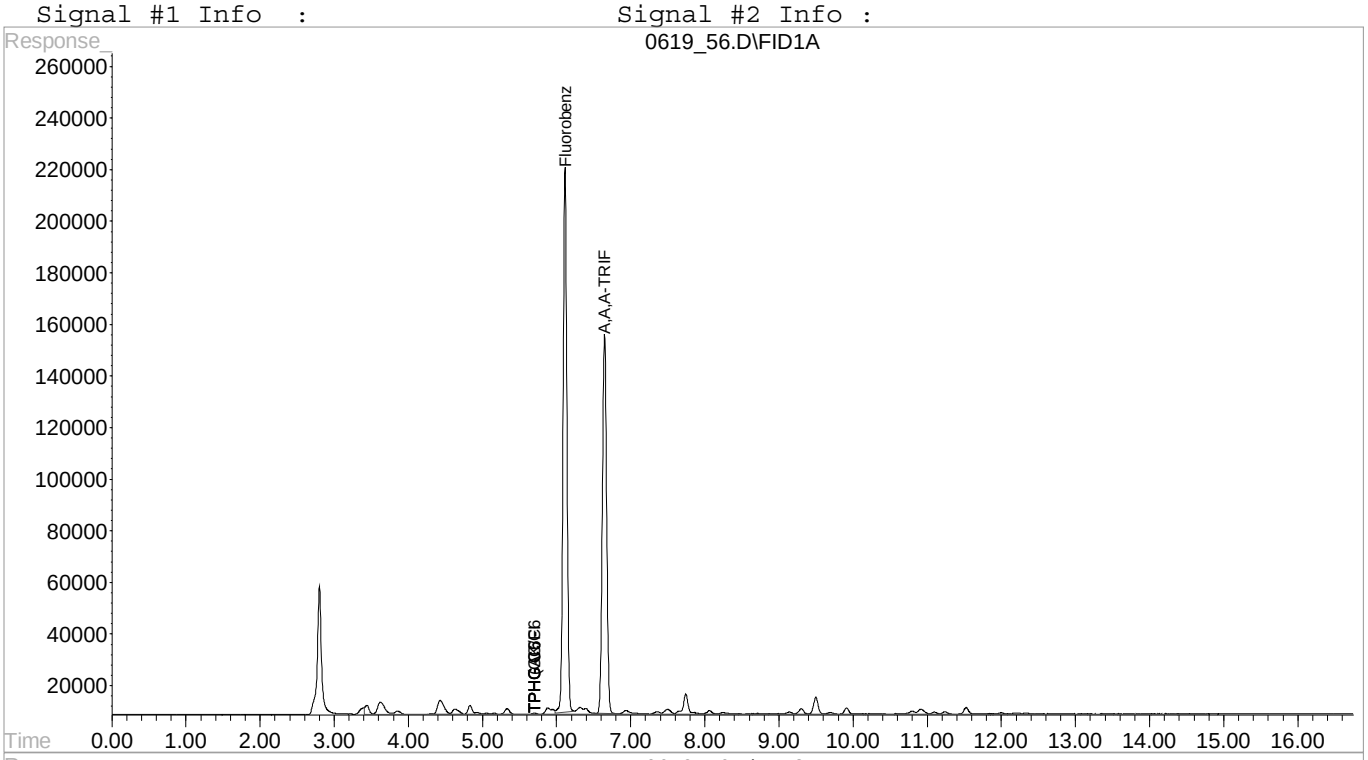
	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I Fluorobenzene #1	6.12	7575494	200.0000000	ppb
8)	I Fluorobenzene #2	6.11	21266349	200.0000000	ppb
	System Monitoring Compounds				
6)	S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5829181	194.3764731	ppb
Spiked Amount	200.000 Range 62 - 128	Recovery = 97.19%			
9)	S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11573184	209.1245833	ppb
Spiked Amount	200.000 Range 55 - 122	Recovery = 104.56%			
	Target Compounds				
2)	H,M TPHG C5 - C12	5.70	4513917	0.1230043	ppm
3)	H,M TPHG C6 - C12	5.70	3990152	0.1262303	ppm
4)	h,m TPHGAK C6 to C10	5.70	3421431	0.1247818	ppm
5)	h,m TPH (GC/FID) Low Fraction	5.70	3567402	0.1241574	ppm
10)	T,M Methyl Tert-Butyl Ether	4.47	292234	4.4752582	ppb
11)	T,M benzene	5.95	202375	1.0364849	ppb
12)	T,M toluene	7.74	1176897	6.3577862	ppb
13)	T,M ethylbenzene	9.31	281455	1.7028340	ppb
14)	T,M m&p-xylene	9.50	1065683	5.8015622	ppb
15)	T,M o-xylene	9.91	374174	2.3141924	ppb
16)	T,M 1,3,5-Trimethylbenzene	11.10	184899	NoCal	ppb
17)	T,M 1,2,4-Trimethylbenzene	11.53	420551	NoCal	ppb
18)	T,M Naphthalene	14.63f	25475	NoCal	ppb

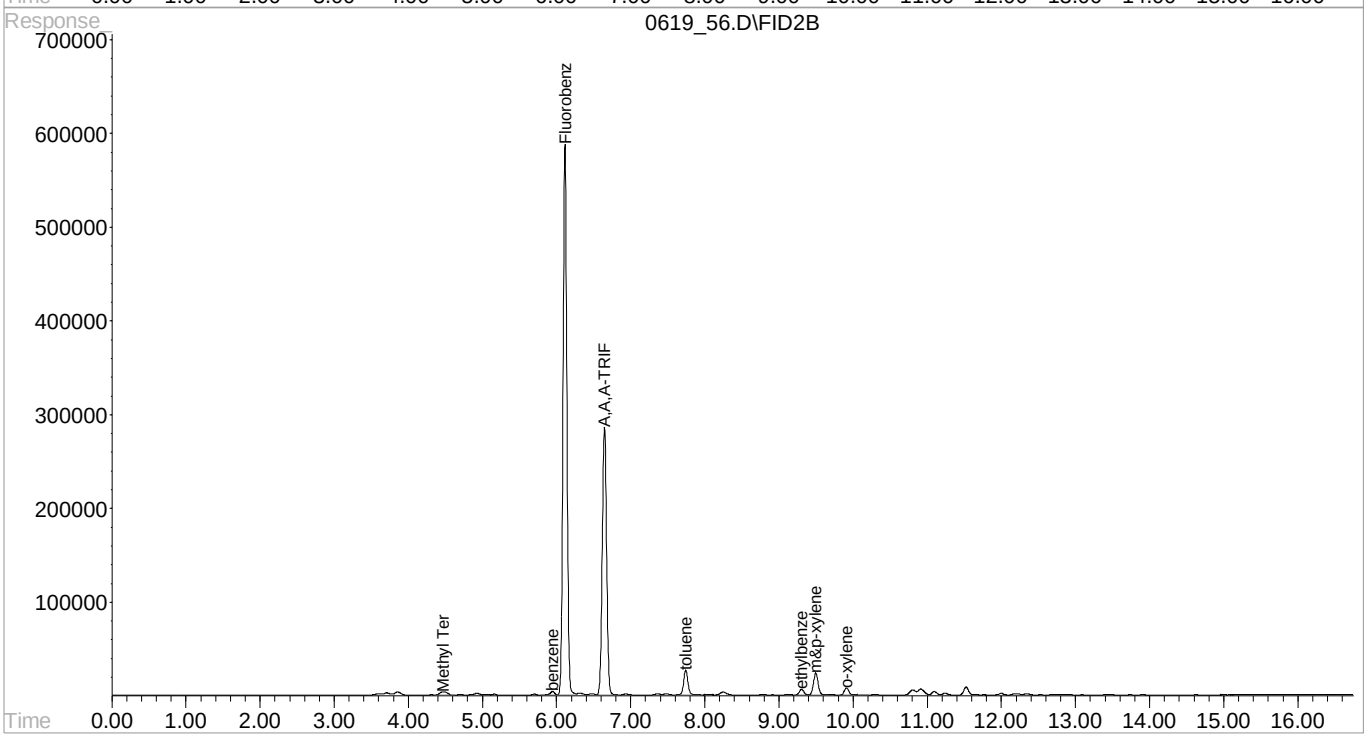
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 56.D\FID1A.CH Vial: 55
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 56.D\FID2B.CH
Acq On : 20 Jun 2014 9:00 am Operator: 621
Sample : STD GRO .11 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 56.D\FID1A.CH Vial: 55
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 56.D\FID2B.CH
Acq On : 20 Jun 2014 9:00 am Operator: 621
Sample : STD GRO .11 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:49 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

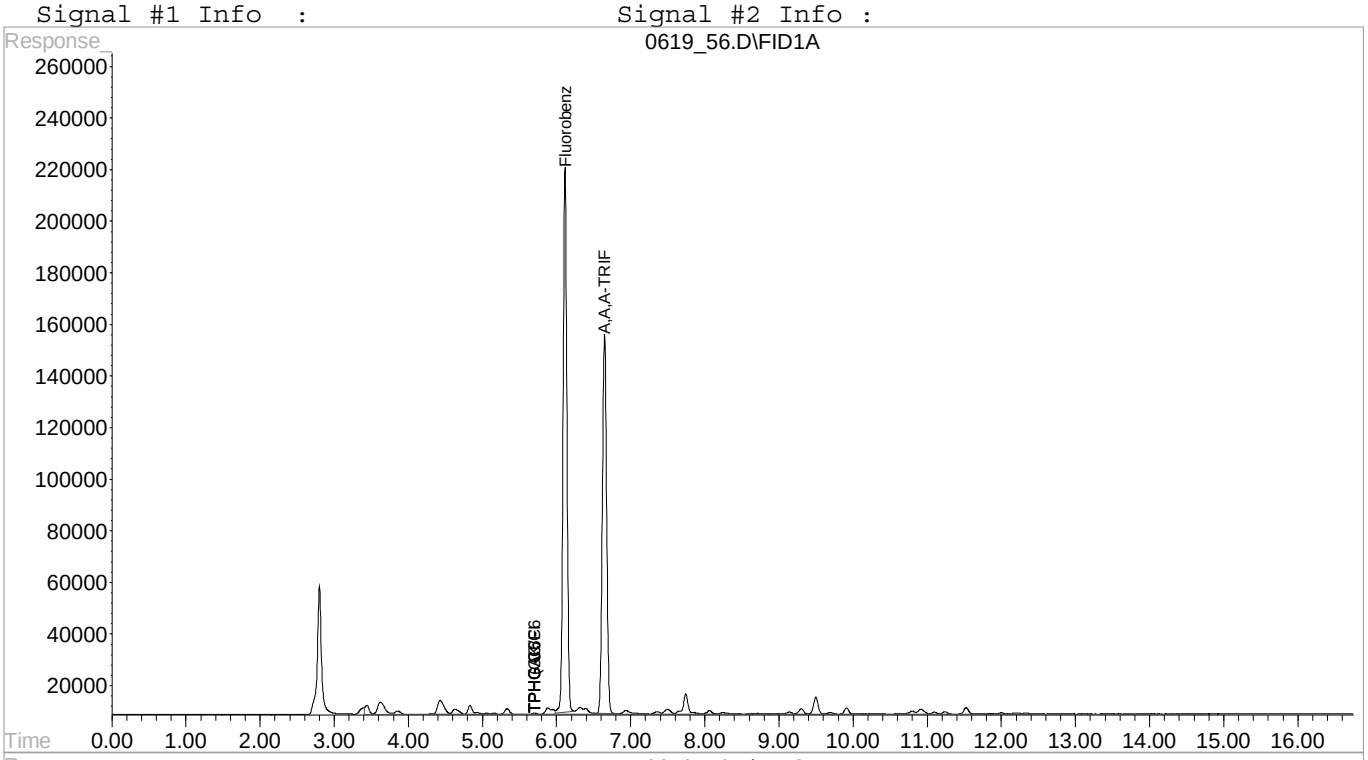
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	7575494	200.0000000	ppb
8) I Fluorobenzene #2	0.00	0	N.D.	ppb d
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5829181	194.3764731	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery =	97.19%	
9) S A,A,A-TRIFLUOROTOLUENE(PID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 55 - 122		Recovery =	0.00%#	
Target Compounds				
2) H,M TPHG C5 - C12	5.70	4513917	0.1230043	ppm
3) H,M TPHG C6 - C12	5.70	3990152	0.1262303	ppm
4) h,m TPHGAK C6 to C10	5.70	3421431	0.1247818	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	3567402	0.1241574	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb d
11) T,M benzene	0.00	0	N.D.	ppb d
12) T,M toluene	0.00	0	N.D.	ppb d
13) T,M ethylbenzene	0.00	0	N.D.	ppb d
14) T,M m&p-xylene	0.00	0	N.D.	ppb d
15) T,M o-xylene	0.00	0	N.D.	ppb d
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

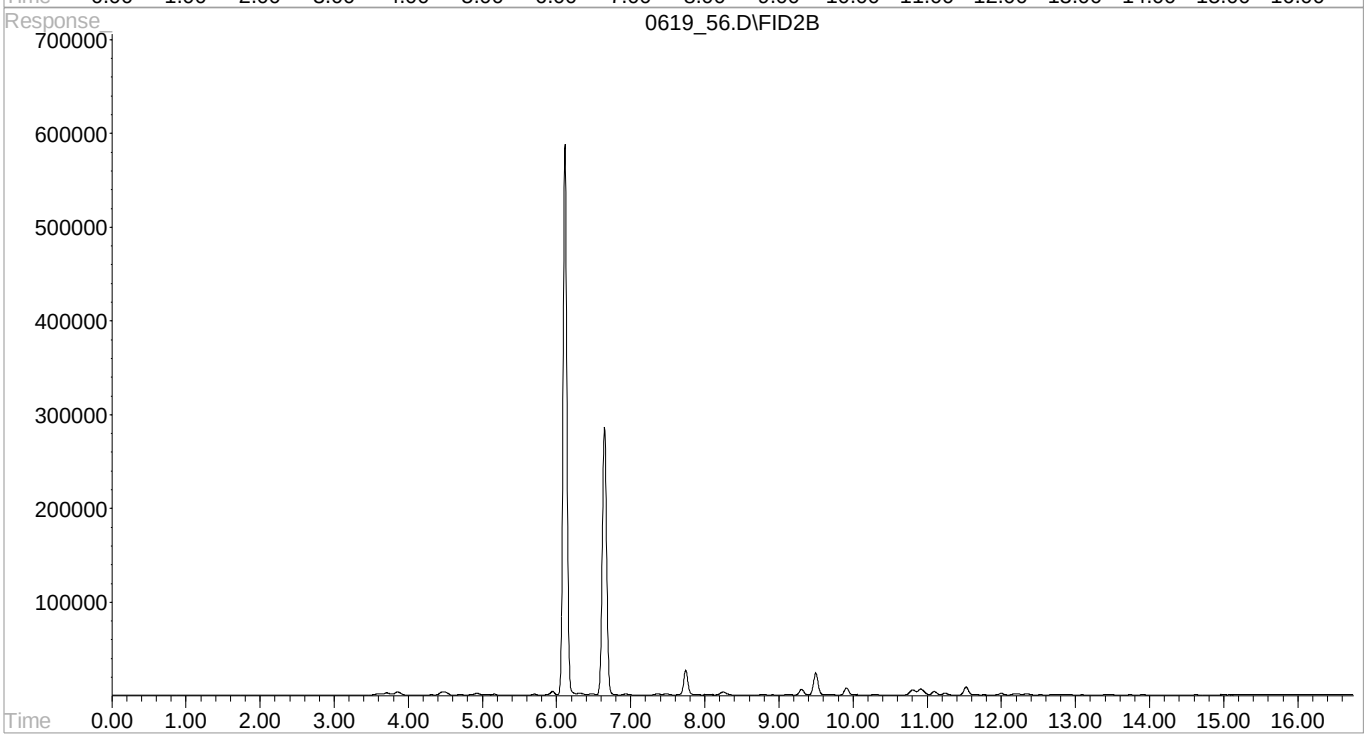
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 56.D\FID1A.CH Vial: 55
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 56.D\FID2B.CH
Acq On : 20 Jun 2014 9:00 am Operator: 621
Sample : STD GRO .11 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:49 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 57.D\FID1A.CH Vial: 56
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 57.D\FID2B.CH
Acq On : 20 Jun 2014 9:23 am Operator: 621
Sample : STD GRO .55 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

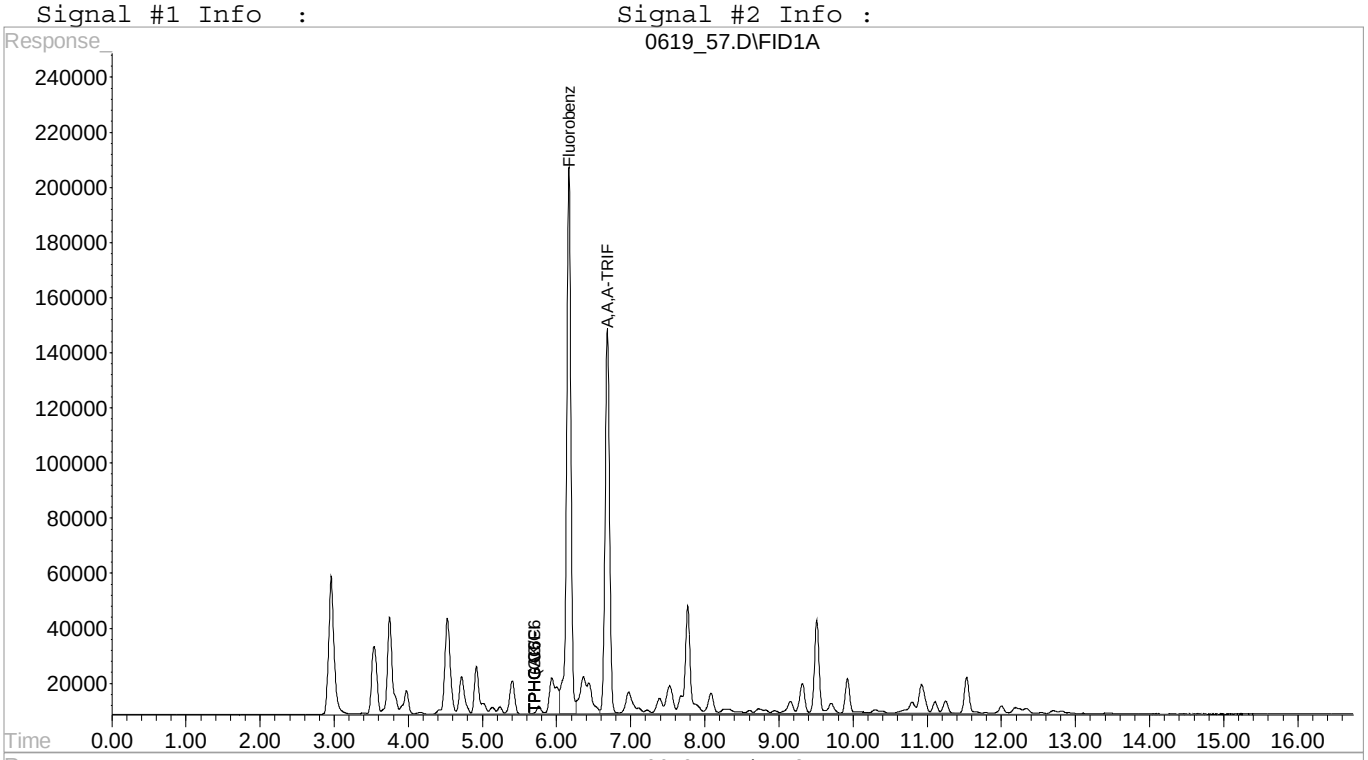
	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1) I	Fluorobenzene #1	6.17	8007740	200.0000000	ppb
8) I	Fluorobenzene #2	6.17f	20857719	200.0000000	ppb
	System Monitoring Compounds				
6) S	A,A,A-TRIFLUOROTOLUENE(FID	6.69	5811311	183.3206078	ppb
Spiked Amount	200.000 Range 62 - 128	Recovery = 91.66%			
9) S	A,A,A-TRIFLUOROTOLUENE(PID	6.69	11503455	211.9369427	ppb
Spiked Amount	200.000 Range 55 - 122	Recovery = 105.97%			
	Target Compounds				
2) H,M	TPHG C5 - C12	5.70	21911413	0.5648565	ppm
3) H,M	TPHG C6 - C12	5.70	18366912	0.5496818	ppm
4) h,m	TPHGAK C6 to C10	5.70	16050807	0.5537853	ppm
5) h,m	TPH (GC/FID) Low Fraction	5.70	16844234	0.5545910	ppm
10) T,M	Methyl Tert-Butyl Ether	4.41	167341	2.6128674	ppb
11) T,M	benzene	6.00f	986176	5.1497480	ppb
12) T,M	toluene	7.77	5779235	31.8320039	ppb
13) T,M	ethylbenzene	9.32	1407525	8.6824986	ppb
14) T,M	m&p-xylene	9.51	5255123	29.1693052	ppb
15) T,M	o-xylene	9.92	1715118	10.8154988	ppb
16) T,M	1,3,5-Trimethylbenzene	11.11	884763	NoCal	ppb
17) T,M	1,2,4-Trimethylbenzene	11.53	2100014	NoCal	ppb
18) T,M	Naphthalene	14.65f	3143	NoCal	ppb

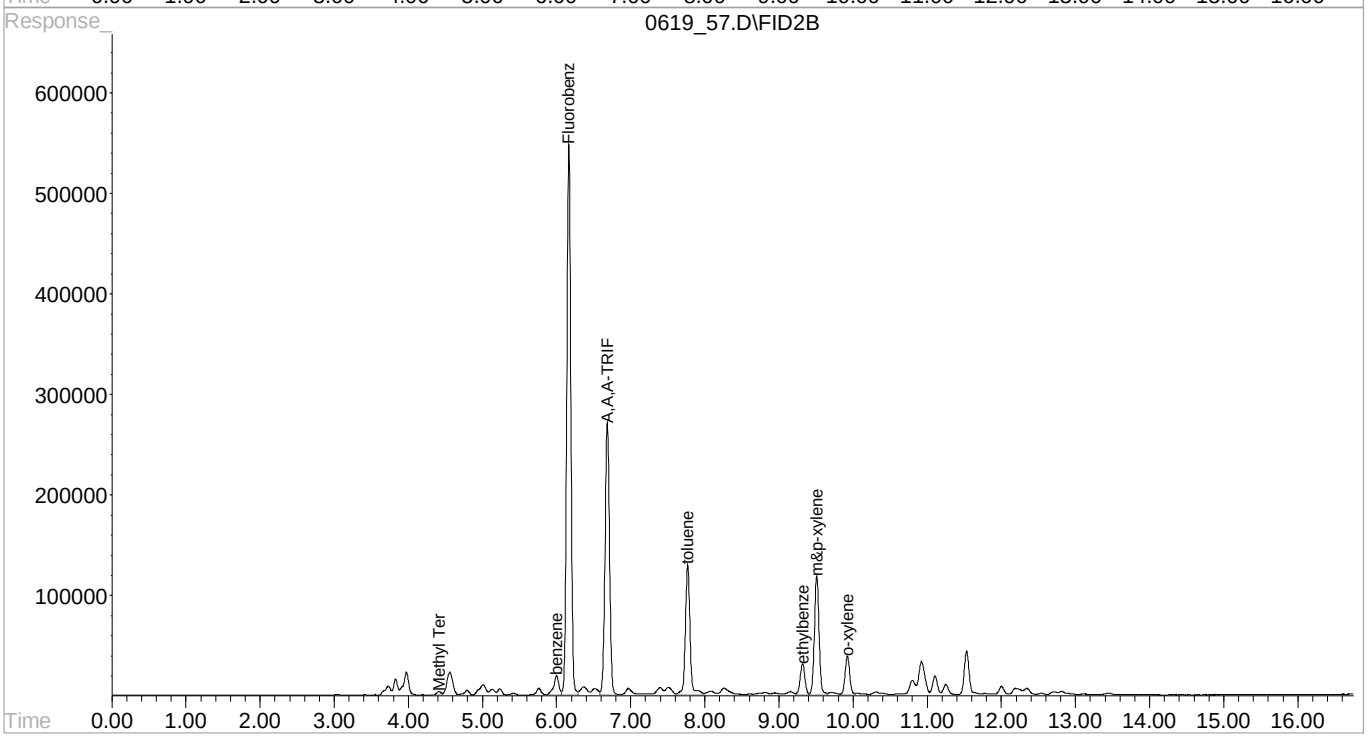
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 57.D\FID1A.CH Vial: 56
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 57.D\FID2B.CH
Acq On : 20 Jun 2014 9:23 am Operator: 621
Sample : STD GRO .55 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 57.D\FID1A.CH Vial: 56
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 57.D\FID2B.CH
Acq On : 20 Jun 2014 9:23 am Operator: 621
Sample : STD GRO .55 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:49 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

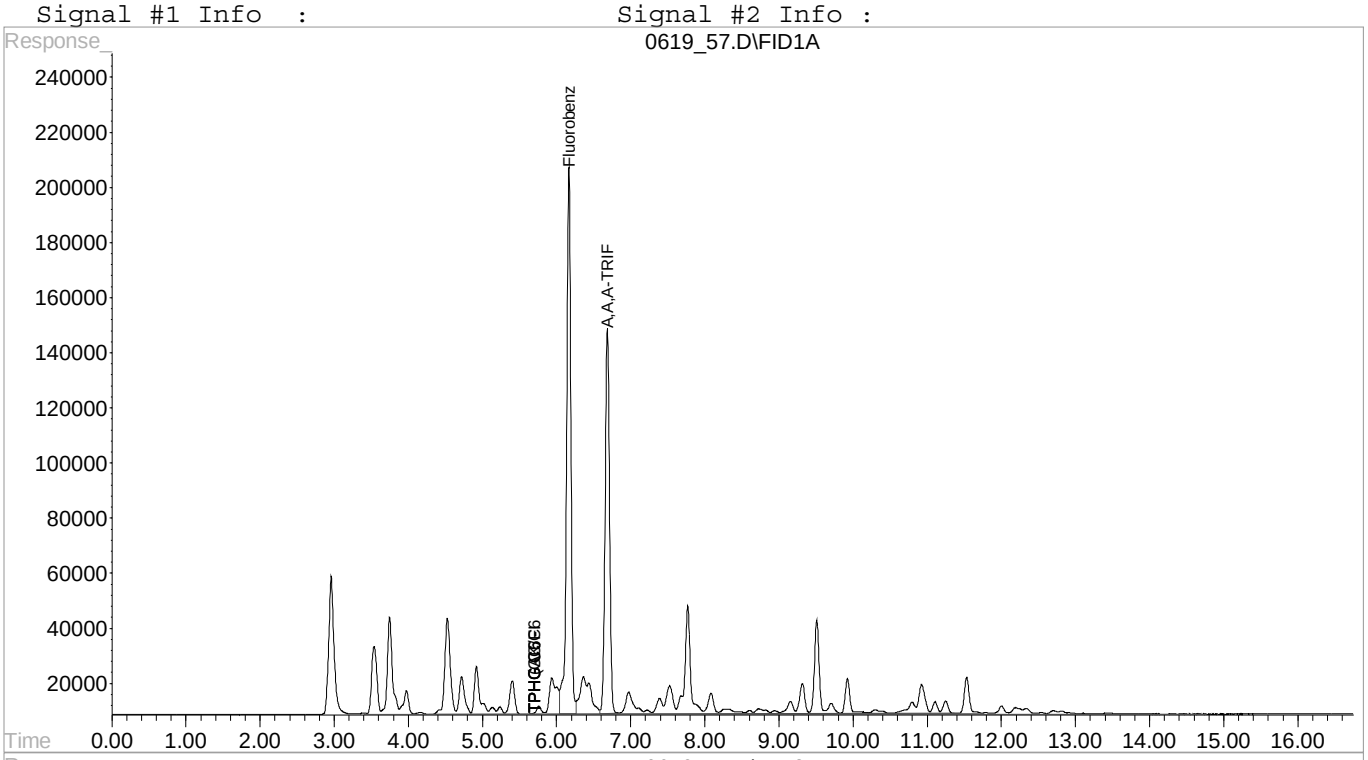
	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1) I	Fluorobenzene #1	6.17	8007740	200.0000000	ppb
8) I	Fluorobenzene #2	0.00	0	N.D.	ppb d
	System Monitoring Compounds				
6) S	A,A,A-TRIFLUOROTOLUENE(FID	6.69	5811311	183.3206078	ppb
Spiked Amount	200.000 Range 62 - 128	Recovery	=	91.66%	
9) S	A,A,A-TRIFLUOROTOLUENE(PID	0.00	0	N.D.	ppb d
Spiked Amount	200.000 Range 55 - 122	Recovery	=	0.00%#	
	Target Compounds				
2) H,M	TPHG C5 - C12	5.70	21911413	0.5648565	ppm
3) H,M	TPHG C6 - C12	5.70	18366912	0.5496818	ppm
4) h,m	TPHGAK C6 to C10	5.70	16050807	0.5537853	ppm
5) h,m	TPH (GC/FID) Low Fraction	5.70	16844234	0.5545910	ppm
10) T,M	Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb d
11) T,M	benzene	0.00	0	N.D.	ppb d
12) T,M	toluene	0.00	0	N.D.	ppb d
13) T,M	ethylbenzene	0.00	0	N.D.	ppb d
14) T,M	m&p-xylene	0.00	0	N.D.	ppb d
15) T,M	o-xylene	0.00	0	N.D.	ppb d
16) T,M	1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M	1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M	Naphthalene	0.00	0	N.D.	ppb d

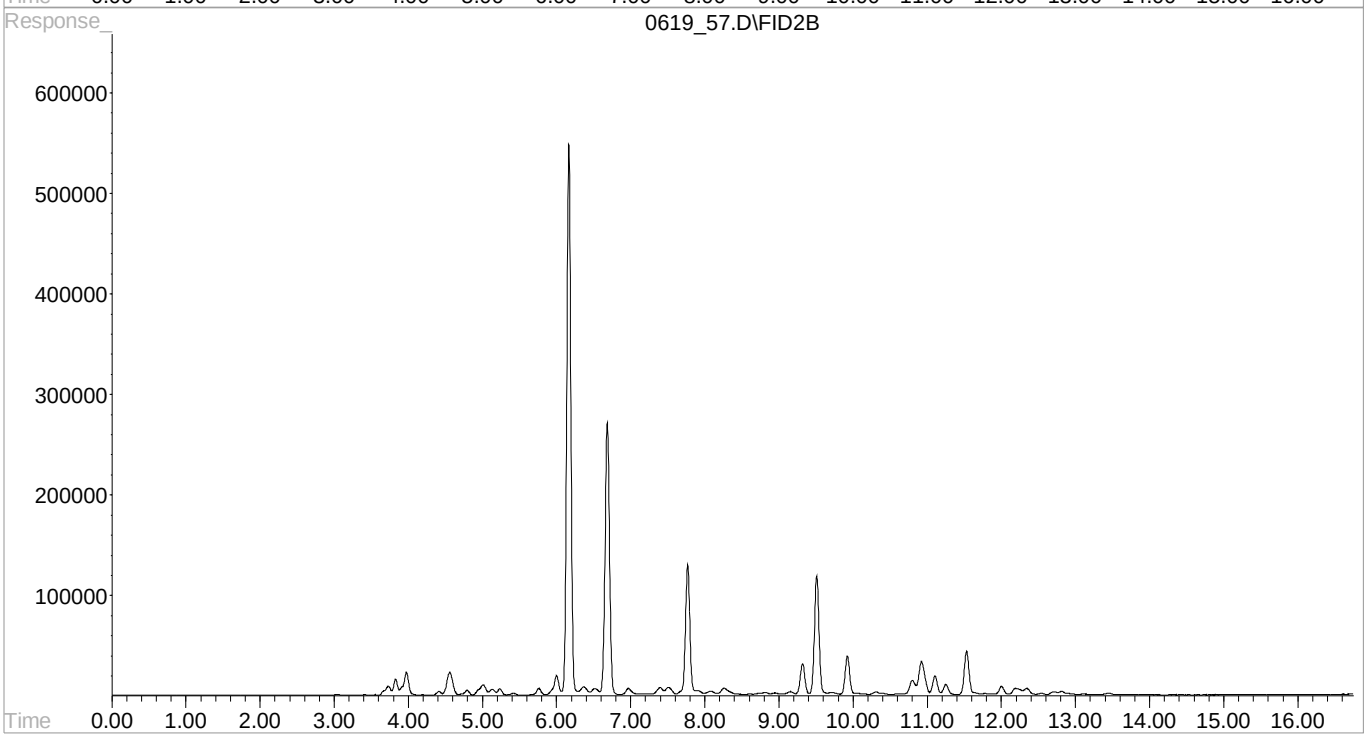
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 57.D\FID1A.CH Vial: 56
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 57.D\FID2B.CH
Acq On : 20 Jun 2014 9:23 am Operator: 621
Sample : STD GRO .55 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:49 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID1A.CH Vial: 57
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID2B.CH
Acq On : 20 Jun 2014 9:45 am Operator: 621
Sample : STD GRO 1.1 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

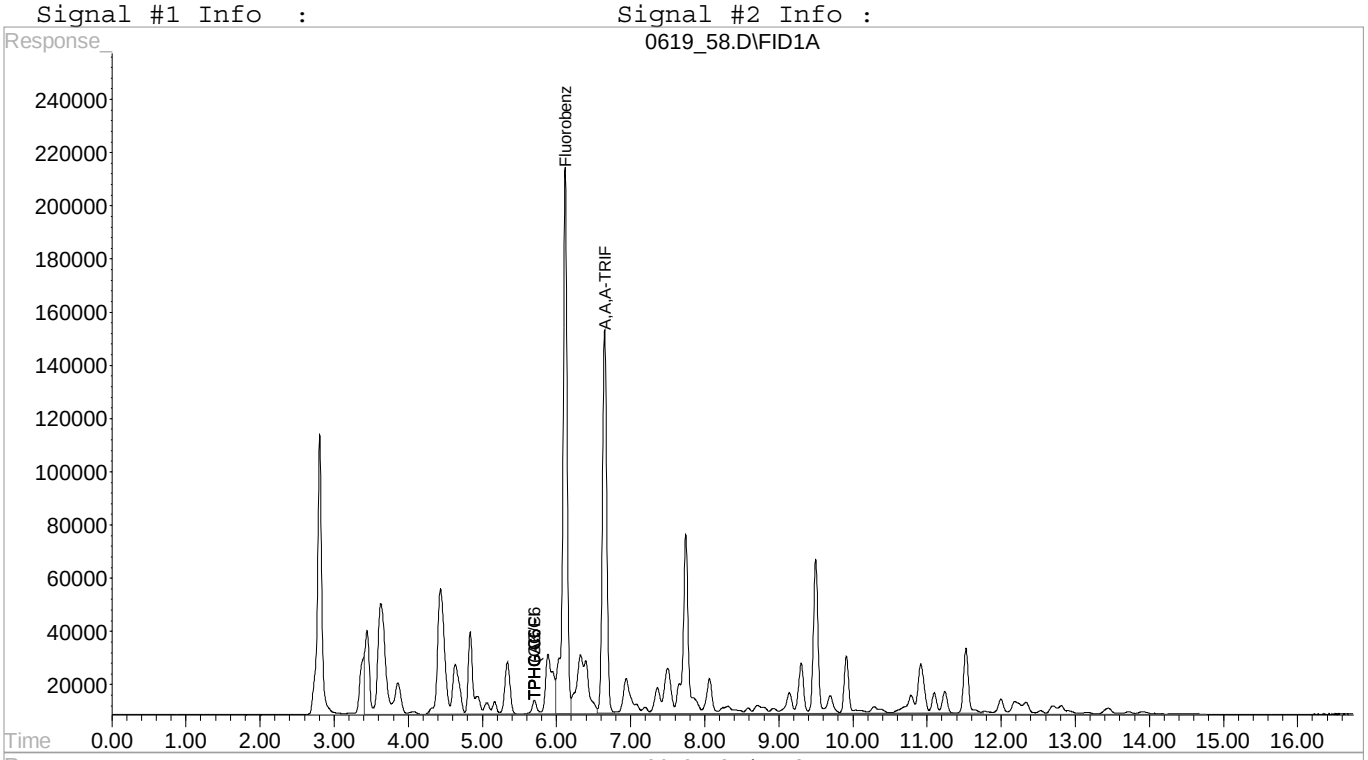
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	8299439	200.0000000	ppb
8) I Fluorobenzene #2	6.12	20791245	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5819036	177.1125963	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 88.56%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11611088	214.6039045	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 107.30%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	36405504	0.9055158	ppm
3) H,M TPHG C6 - C12	5.70	31601031	0.9125101	ppm
4) h,m TPHGAK C6 to C10	5.70	27145002	0.9036405	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	28401211	0.9022349	ppm
10) T,M Methyl Tert-Butyl Ether	4.47	2231085	34.9475273	ppb
11) T,M benzene	5.95	1634718	8.5636857	ppb
12) T,M toluene	7.74	9579663	52.9334496	ppb
13) T,M ethylbenzene	9.31	2341368	14.4892112	ppb
14) T,M m&p-xylene	9.50	8817444	49.0989592	ppb
15) T,M o-xylene	9.91	3065058	19.3899894	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	1530019	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.53	3784023	NoCal	ppb
18) T,M Naphthalene	14.61	39724	NoCal	ppb

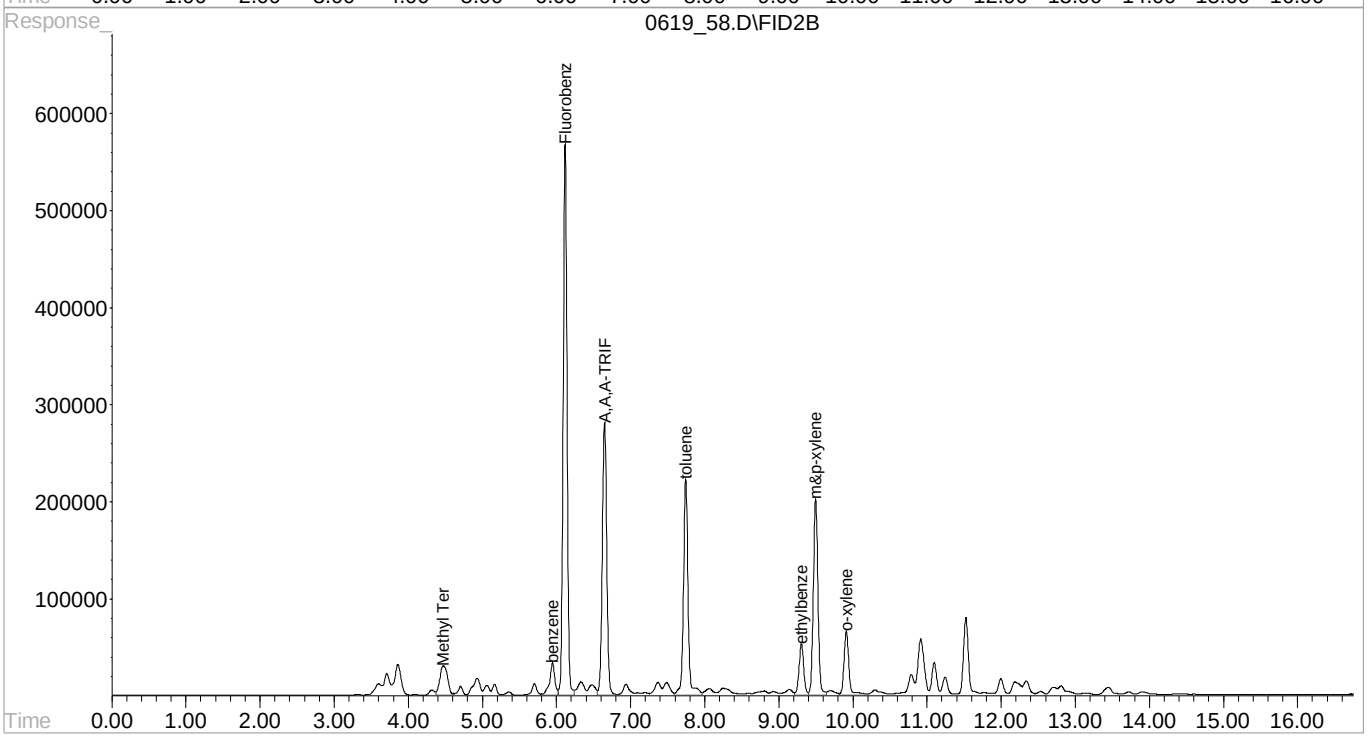
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID1A.CH Vial: 57
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID2B.CH
Acq On : 20 Jun 2014 9:45 am Operator: 621
Sample : STD GRO 1.1 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID1A.CH Vial: 57
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID2B.CH
Acq On : 20 Jun 2014 9:45 am Operator: 621
Sample : STD GRO 1.1 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:50 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

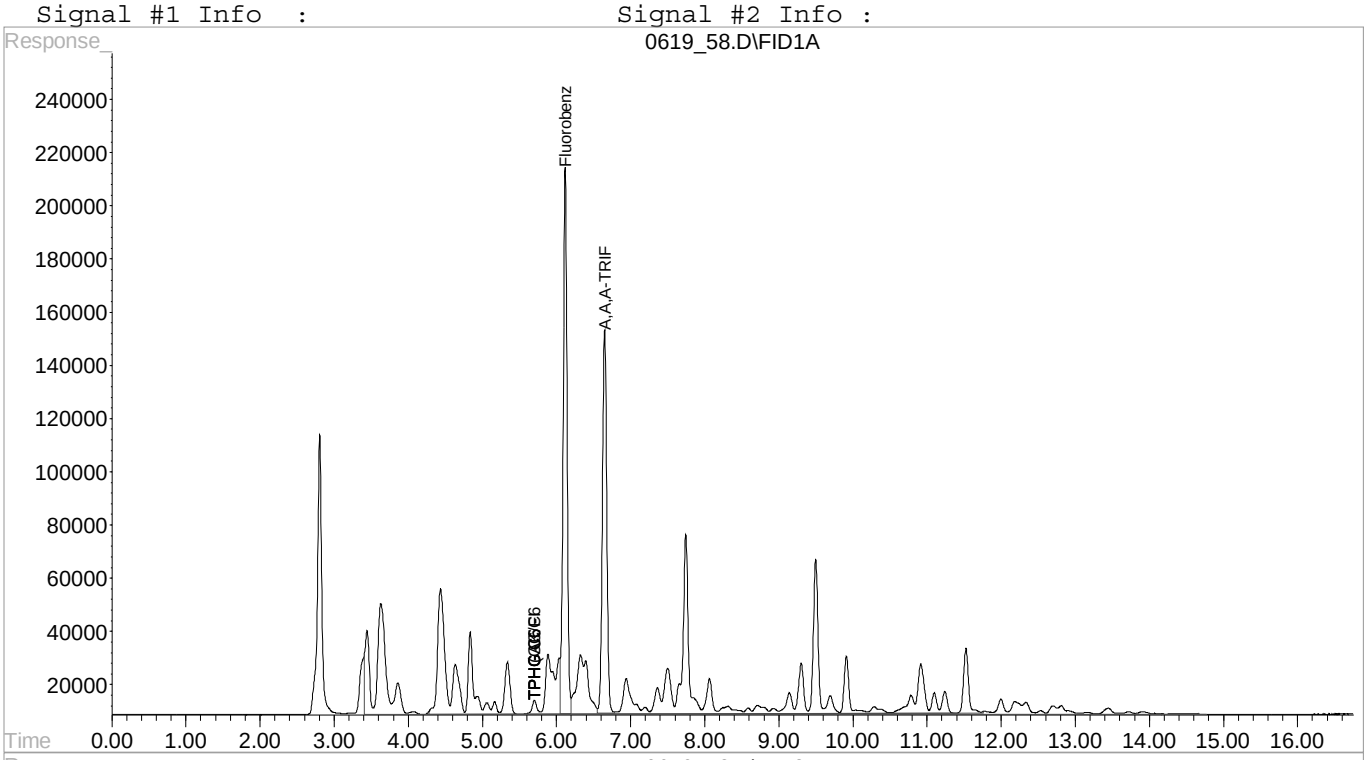
Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Fluorobenzene #1	6.12	7631913	200.0000000	ppb	m
8) I Fluorobenzene #2	0.00	0	N.D.	ppb	d
System Monitoring Compounds					
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5819036	192.6037649	ppb	
Spiked Amount 200.000 Range 62 - 128		Recovery = 96.30%			
9) S A,A,A-TRIFLUOROTOLUENE(PID	0.00	0	N.D.	ppb	d
Spiked Amount 200.000 Range 55 - 122		Recovery = 0.00%#			
Target Compounds					
2) H,M TPHG C5 - C12	5.70	36405504	0.9847169	ppm	
3) H,M TPHG C6 - C12	5.70	31601031	0.9923229	ppm	
4) h,m TPHGAK C6 to C10	5.70	27145002	0.9826775	ppm	
5) h,m TPH (GC/FID) Low Fraction	5.70	28401211	0.9811490	ppm	
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb	d
11) T,M benzene	0.00	0	N.D.	ppb	d
12) T,M toluene	0.00	0	N.D.	ppb	d
13) T,M ethylbenzene	0.00	0	N.D.	ppb	d
14) T,M m&p-xylene	0.00	0	N.D.	ppb	d
15) T,M o-xylene	0.00	0	N.D.	ppb	d
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb	d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb	d
18) T,M Naphthalene	0.00	0	N.D.	ppb	d

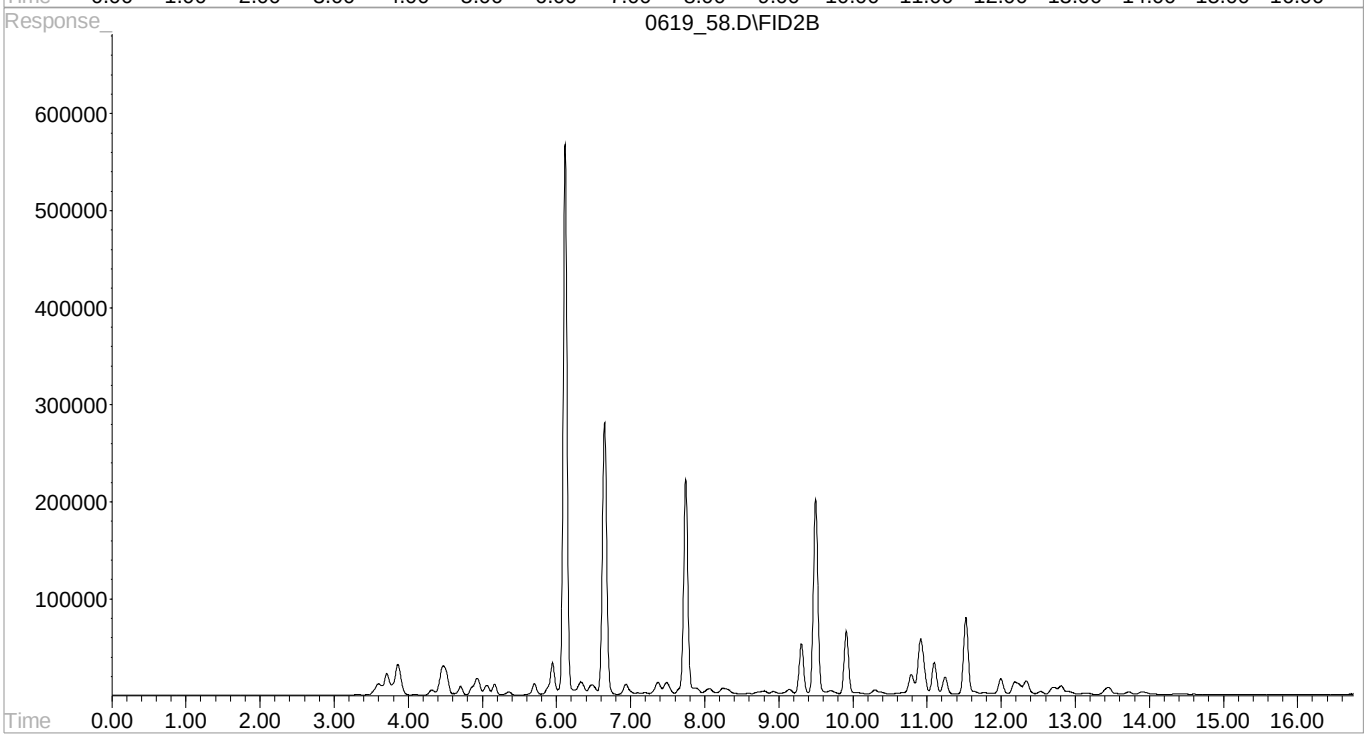
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID1A.CH Vial: 57
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID2B.CH
Acq On : 20 Jun 2014 9:45 am Operator: 621
Sample : STD GRO 1.1 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:50 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

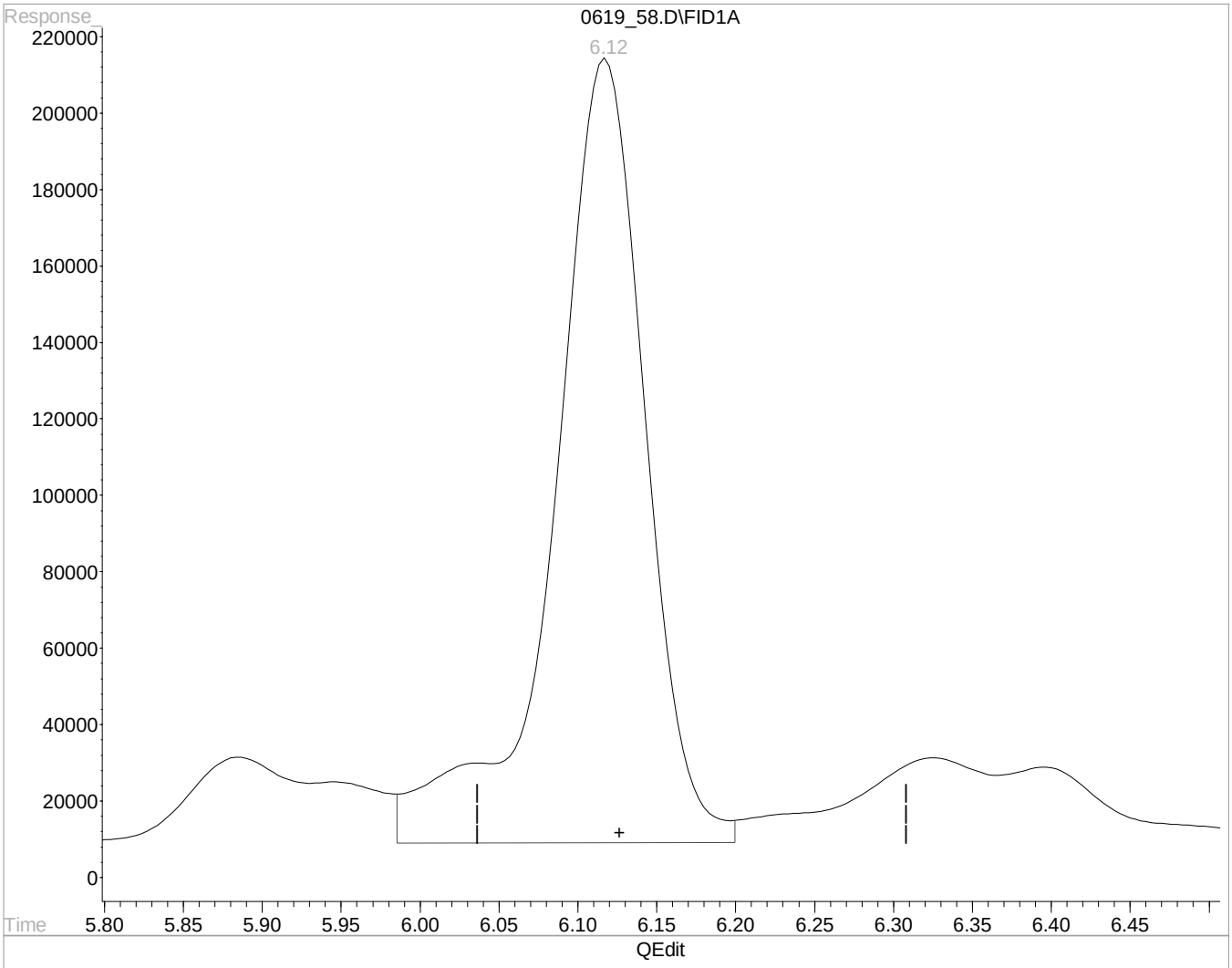




Quantitation Report (Qedit)

```
Signal #1 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID1A.CH   Vial: 57
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID2B.CH
Acq On    : 20 Jun 2014   9:45 am                    Operator: 621
Sample    : STD GRO 1.1 ppm 14F17514                 Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014  Quant Results File: BG01F19N.RES


Method       : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:50:02 2014
Response via : Single Level Calibration
```



(1) Fluorobenzene #1 (I)

6.12min 200.0000000 ppb

response 8299439

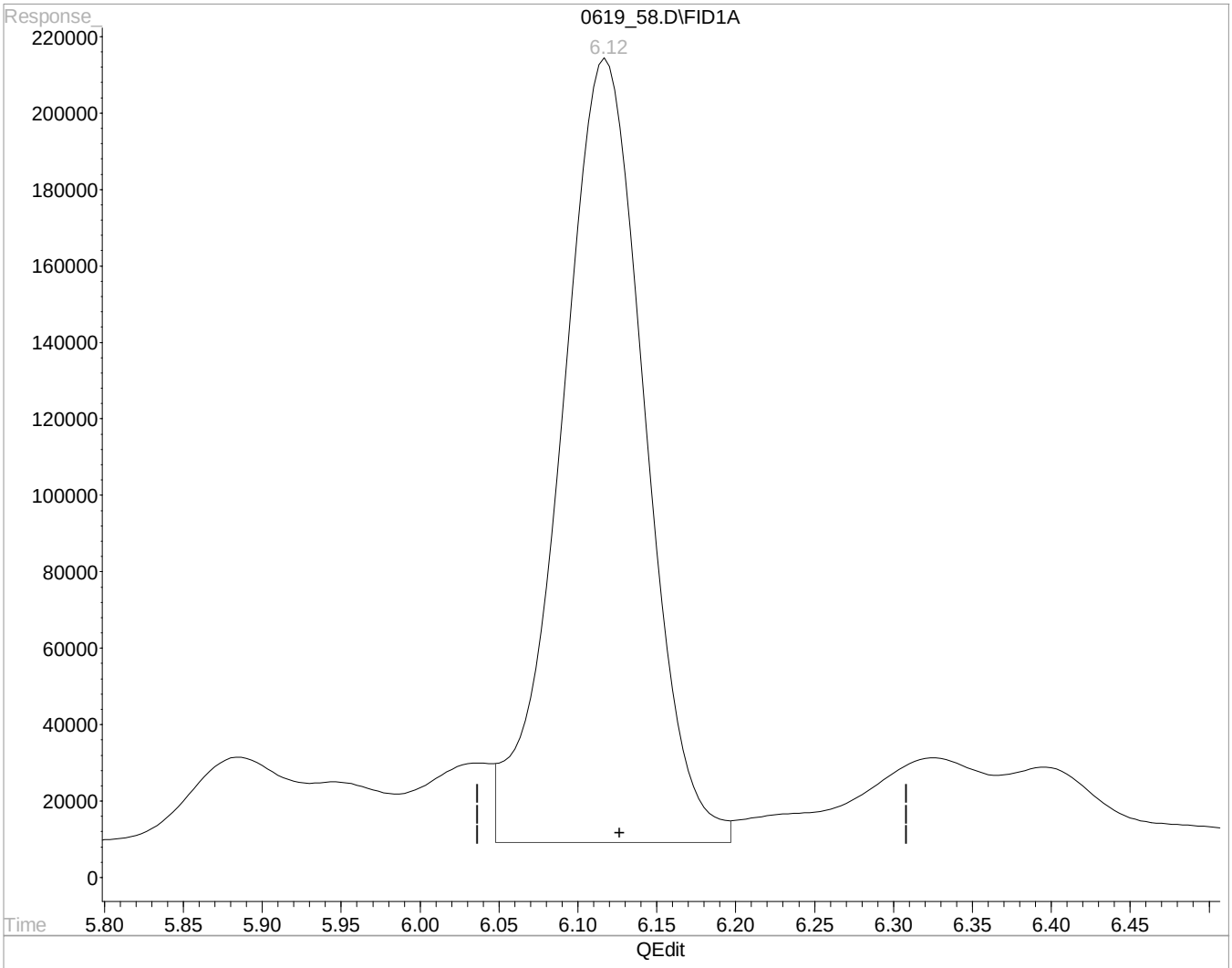
(+) = Expected Retention Time

0619_58.D BG01F19N.M Fri Jun 20 13:50:24 2014

Quantitation Report (Qedit)

```
Signal #1 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID1A.CH   Vial: 57
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 58.D\FID2B.CH
Acq On    : 20 Jun 2014   9:45 am                    Operator: 621
Sample    : STD GRO 1.1 ppm 14F17514                 Inst    : VOCGC1
Misc      : water SURIS14C12923                      Multiplr: 1.00
IntFile Signal #1: BTEX.E       IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014  Quant Results File: BG01F19N.RES


Method       : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title        : WIS GRO VOCGC01
Last Update  : Fri Jun 20 13:50:02 2014
Response via : Single Level Calibration
```



(1) Fluorobenzene #1 (I)

6.12min 200.0000000 ppb m

response 7631913

(+) = Expected Retention Time

0619_58.D BG01F19N.M Fri Jun 20 13:50:31 2014

Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 59.D\FID1A.CH Vial: 58
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 59.D\FID2B.CH
Acq On : 20 Jun 2014 10:07 am Operator: 621
Sample : STD GRO 2.75 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

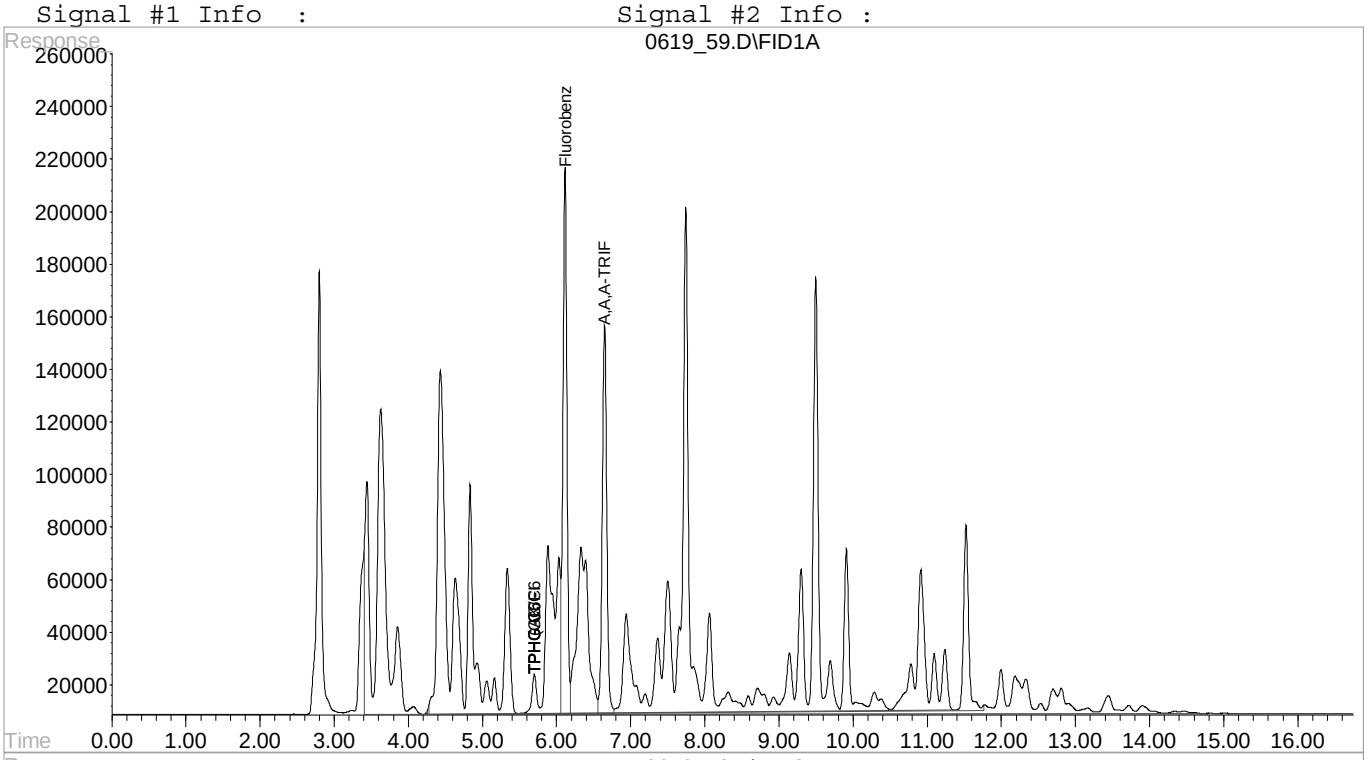
	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1) I	Fluorobenzene #1	6.12	7943452	200.0000000	ppb
8) I	Fluorobenzene #2	6.11	21345098	200.0000000	ppb
	System Monitoring Compounds				
6) S	A,A,A-TRIFLUOROTOLUENE(FID	6.65	6208804	197.4448635	ppb
Spiked Amount	200.000 Range 62 - 128	Recovery = 98.72%			
9) S	A,A,A-TRIFLUOROTOLUENE(PID	6.65	12367910	222.6605770	ppb
Spiked Amount	200.000 Range 55 - 122	Recovery = 111.33%			
	Target Compounds				
2) H,M	TPHG C5 - C12	5.70	105408939	2.7393397	ppm
3) H,M	TPHG C6 - C12	5.70	91758661	2.7683625	ppm
4) h,m	TPHGAK C6 to C10	5.70	78631903	2.7349163	ppm
5) h,m	TPH (GC/FID) Low Fraction	5.70	82235821	2.7295010	ppm
10) T,M	Methyl Tert-Butyl Ether	4.47	6072895	92.6570219	ppb
11) T,M	benzene	5.95	4565348	23.2956105	ppb
12) T,M	toluene	7.74	25690887	138.2742788	ppb
13) T,M	ethylbenzene	9.30	6555510	39.5151733	ppb
14) T,M	m&p-xylene	9.50	24731408	134.1407524	ppb
15) T,M	o-xylene	9.91	7940389	48.9286205	ppb
16) T,M	1,3,5-Trimethylbenzene	11.10	4251739	NoCal	ppb
17) T,M	1,2,4-Trimethylbenzene	11.52	10698784	NoCal	ppb
18) T,M	Naphthalene	14.60	134709	NoCal	ppb

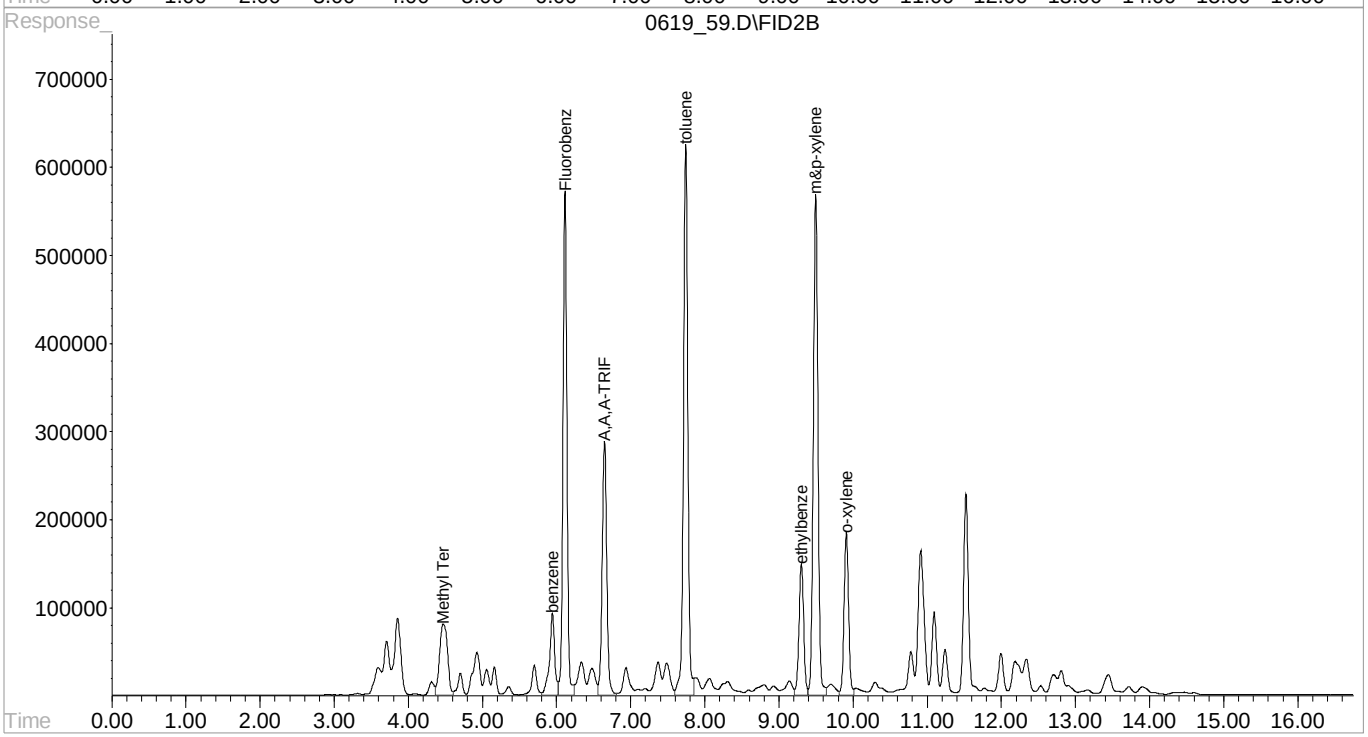
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 59.D\FID1A.CH Vial: 58
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 59.D\FID2B.CH
Acq On : 20 Jun 2014 10:07 am Operator: 621
Sample : STD GRO 2.75 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 59.D\FID1A.CH Vial: 58
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 59.D\FID2B.CH
Acq On : 20 Jun 2014 10:07 am Operator: 621
Sample : STD GRO 2.75 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:50 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

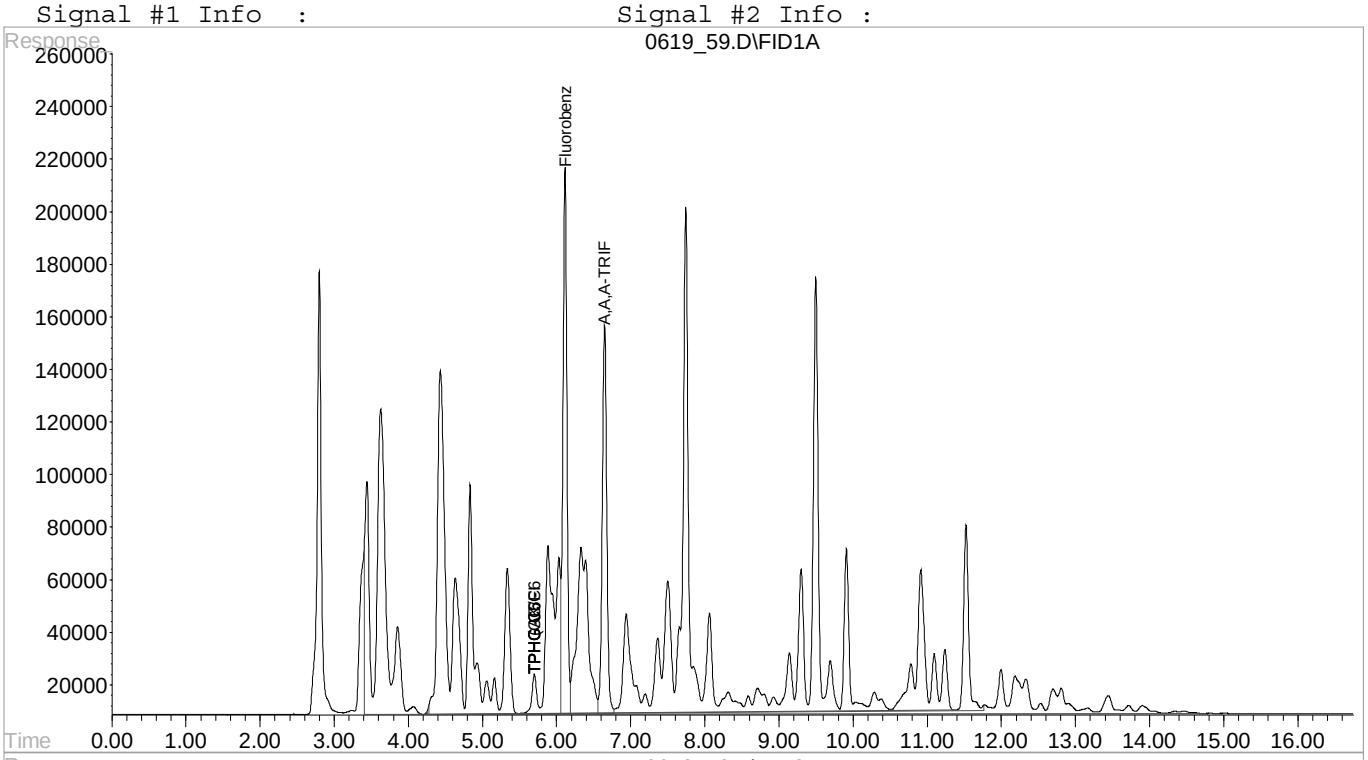
	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Fluorobenzene #1	6.12	7943452	200.0000000	ppb	
8) I	Fluorobenzene #2	0.00	0	N.D.	ppb	d
	System Monitoring Compounds					
6) S	A,A,A-TRIFLUOROTOLUENE(FID	6.65	6208804	197.4448635	ppb	
Spiked Amount	200.000 Range 62 - 128		Recovery	= 98.72%		
9) S	A,A,A-TRIFLUOROTOLUENE(PID	0.00	0	N.D.	ppb	d
Spiked Amount	200.000 Range 55 - 122		Recovery	= 0.00%#		
	Target Compounds					
2) H,M	TPHG C5 - C12	5.70	105408939	2.7393397	ppm	
3) H,M	TPHG C6 - C12	5.70	91758661	2.7683625	ppm	
4) h,m	TPHGAK C6 to C10	5.70	78631903	2.7349163	ppm	
5) h,m	TPH (GC/FID) Low Fraction	5.70	82235821	2.7295010	ppm	
10) T,M	Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb	d
11) T,M	benzene	0.00	0	N.D.	ppb	d
12) T,M	toluene	0.00	0	N.D.	ppb	d
13) T,M	ethylbenzene	0.00	0	N.D.	ppb	d
14) T,M	m&p-xylene	0.00	0	N.D.	ppb	d
15) T,M	o-xylene	0.00	0	N.D.	ppb	d
16) T,M	1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb	d
17) T,M	1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb	d
18) T,M	Naphthalene	0.00	0	N.D.	ppb	d

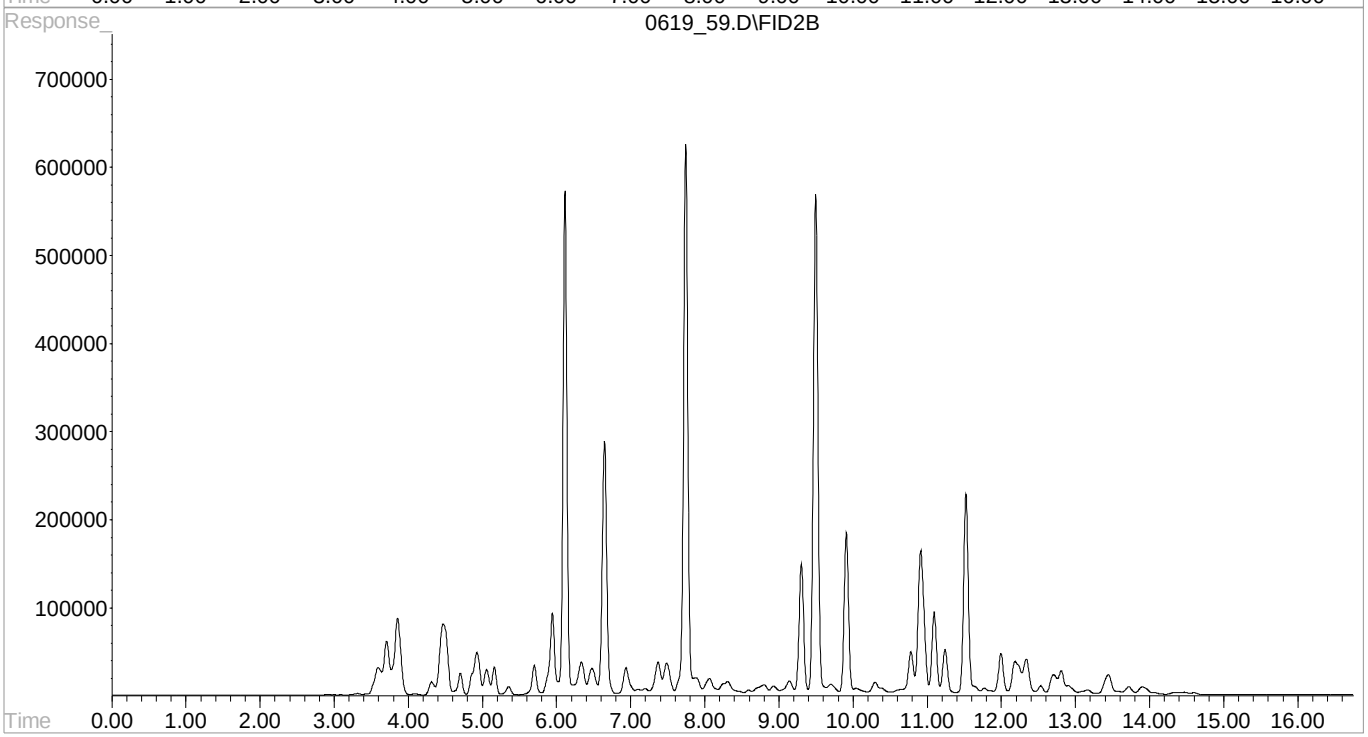
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 59.D\FID1A.CH Vial: 58
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 59.D\FID2B.CH
Acq On : 20 Jun 2014 10:07 am Operator: 621
Sample : STD GRO 2.75 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:50 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 60.D\FID1A.CH Vial: 59
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 60.D\FID2B.CH
Acq On : 20 Jun 2014 10:29 am Operator: 621
Sample : MSTD GRO 5.5g ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

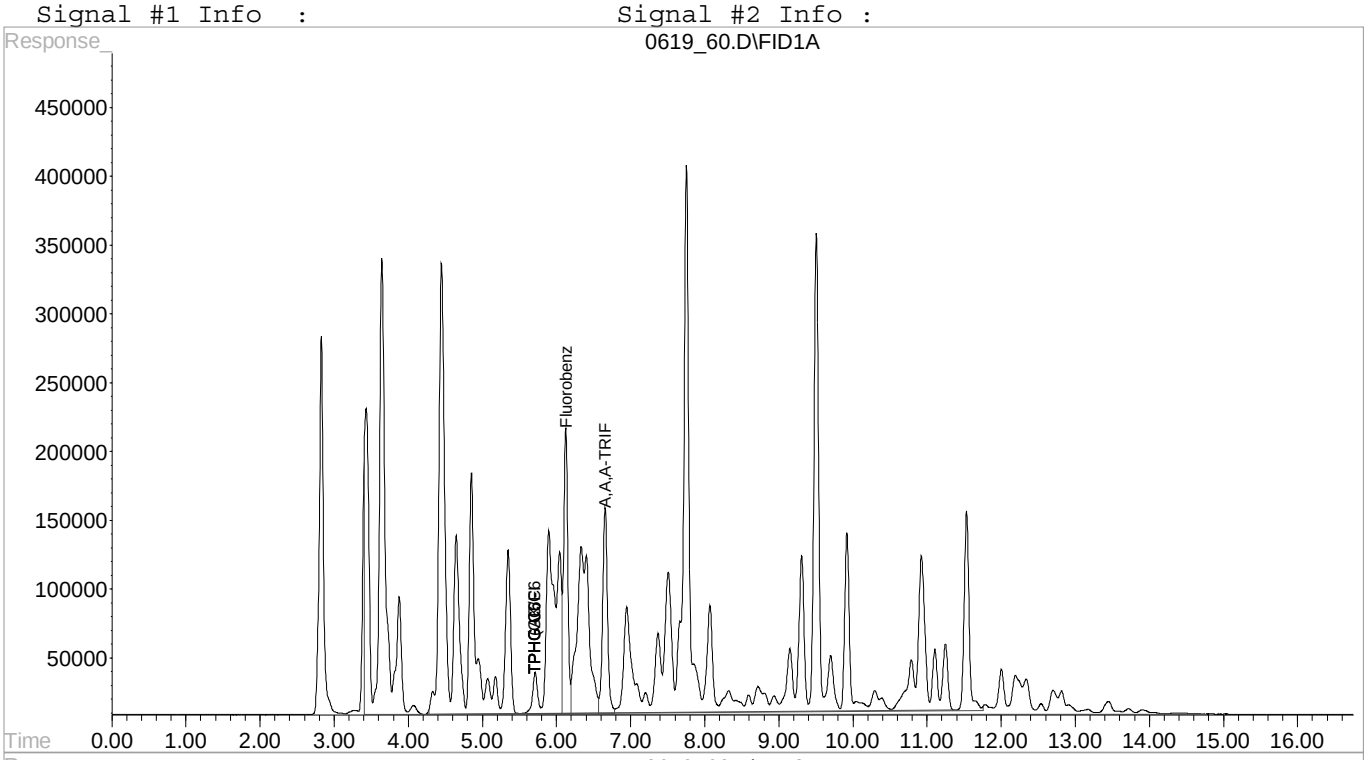
	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I Fluorobenzene #1	6.13	8210996	200.0000000	ppb
8)	I Fluorobenzene #2	6.13	22119478	200.0000000	ppb
	System Monitoring Compounds				
6)	S A,A,A-TRIFLUOROTOLUENE(FID	6.66	6826027	210.0000000	ppb
Spiked Amount	200.000 Range 62 - 128	Recovery = 105.00%			
9)	S A,A,A-TRIFLUOROTOLUENE(PID	6.66	13670999	237.5037938	ppb
Spiked Amount	200.000 Range 55 - 122	Recovery = 118.75%			
	Target Compounds				
2)	H,M TPHG C5 - C12	5.70	218766490	5.5000000	ppm
3)	H,M TPHG C6 - C12	5.70	188440114	5.5000000	ppm
4)	h,m TPHGAK C6 to C10	5.70	163457175	5.5000000	ppm
5)	h,m TPH (GC/FID) Low Fraction	5.70	171288034	5.5000000	ppm
10)	T,M Methyl Tert-Butyl Ether	4.48	11770761	173.3047245	ppb
11)	T,M benzene	5.96	9413034	46.3503604	ppb
12)	T,M toluene	7.75	53114368	275.8656316	ppb
13)	T,M ethylbenzene	9.31	13632383	79.2962147	ppb
14)	T,M m&p-xylene	9.51	51457901	269.3315537	ppb
15)	T,M o-xylene	9.92	16417549	97.6231443	ppb
16)	T,M 1,3,5-Trimethylbenzene	11.11	8609690	NoCal	ppb
17)	T,M 1,2,4-Trimethylbenzene	11.53	21688670	NoCal	ppb
18)	T,M Naphthalene	14.60	97186	NoCal	ppb

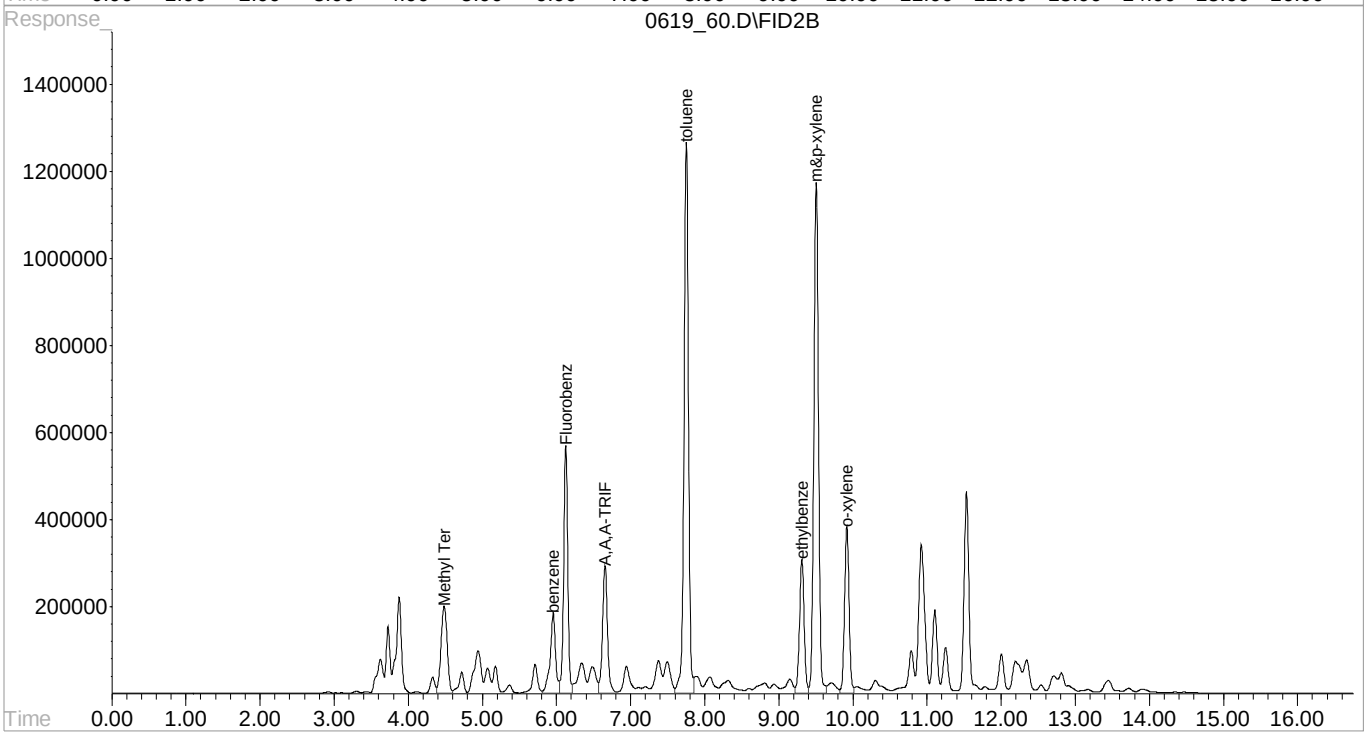
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 60.D\FID1A.CH Vial: 59
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 60.D\FID2B.CH
Acq On : 20 Jun 2014 10:29 am Operator: 621
Sample : MSTD GRO 5.5g ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 60.D\FID1A.CH Vial: 59
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 60.D\FID2B.CH
Acq On : 20 Jun 2014 10:29 am Operator: 621
Sample : MSTD GRO 5.5g ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:51 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

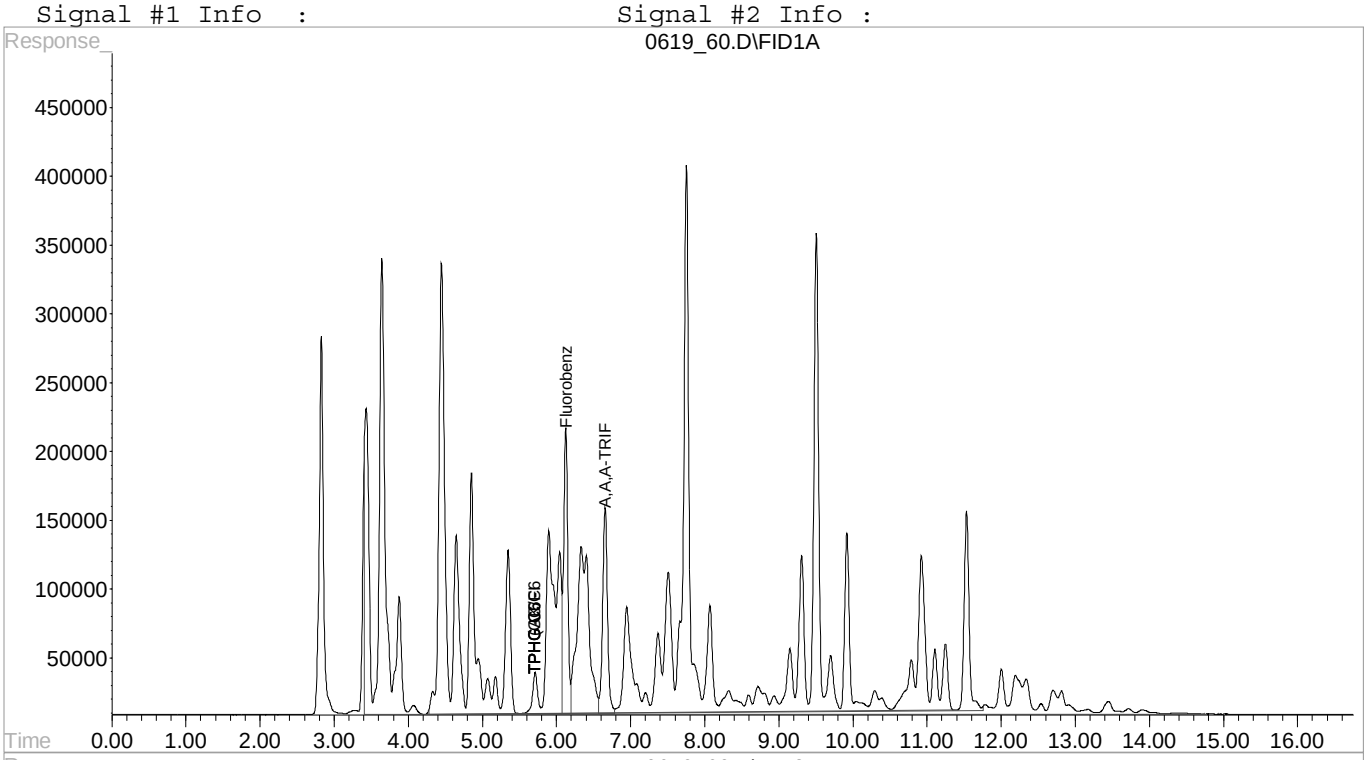
Compound	R.T.	Response	Conc	Units	
Internal Standards					
1) I Fluorobenzene #1	6.13	8210996	200.0000000	ppb	
8) I Fluorobenzene #2	0.00	0	N.D.	ppb	d
System Monitoring Compounds					
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.66	6826027	210.0000000	ppb	
Spiked Amount 200.000 Range 62 - 128		Recovery =	105.00%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	0.00	0	N.D.	ppb	d
Spiked Amount 200.000 Range 55 - 122		Recovery =	0.00%#		
Target Compounds					
2) H,M TPHG C5 - C12	5.70	218766490	5.5000000	ppm	
3) H,M TPHG C6 - C12	5.70	188440114	5.5000000	ppm	
4) h,m TPHGAK C6 to C10	5.70	163457175	5.5000000	ppm	
5) h,m TPH (GC/FID) Low Fraction	5.70	171288034	5.5000000	ppm	
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb	d
11) T,M benzene	0.00	0	N.D.	ppb	d
12) T,M toluene	0.00	0	N.D.	ppb	d
13) T,M ethylbenzene	0.00	0	N.D.	ppb	d
14) T,M m&p-xylene	0.00	0	N.D.	ppb	d
15) T,M o-xylene	0.00	0	N.D.	ppb	d
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb	d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb	d
18) T,M Naphthalene	0.00	0	N.D.	ppb	d

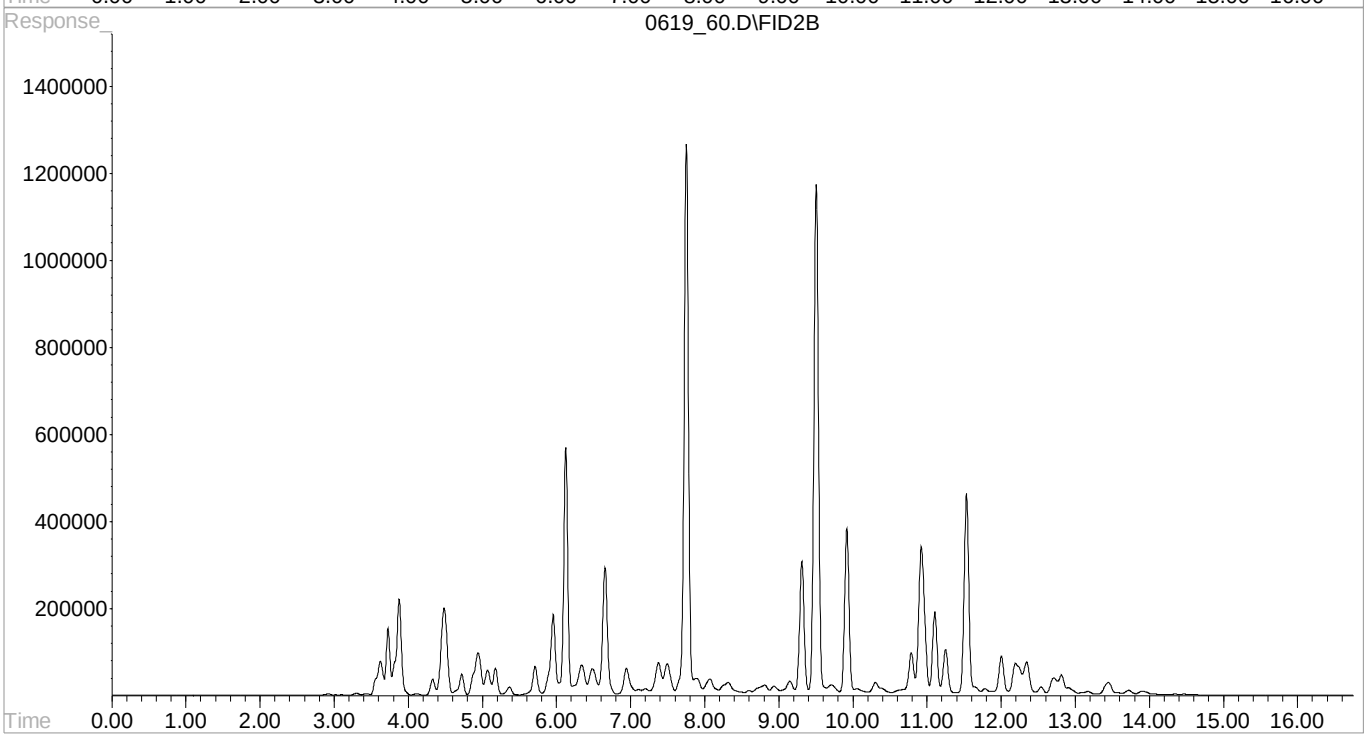
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 60.D\FID1A.CH Vial: 59
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 60.D\FID2B.CH
Acq On : 20 Jun 2014 10:29 am Operator: 621
Sample : MSTD GRO 5.5g ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:51 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 61.D\FID1A.CH Vial: 60
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 61.D\FID2B.CH
Acq On : 20 Jun 2014 10:51 am Operator: 621
Sample : STD GRO 11 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

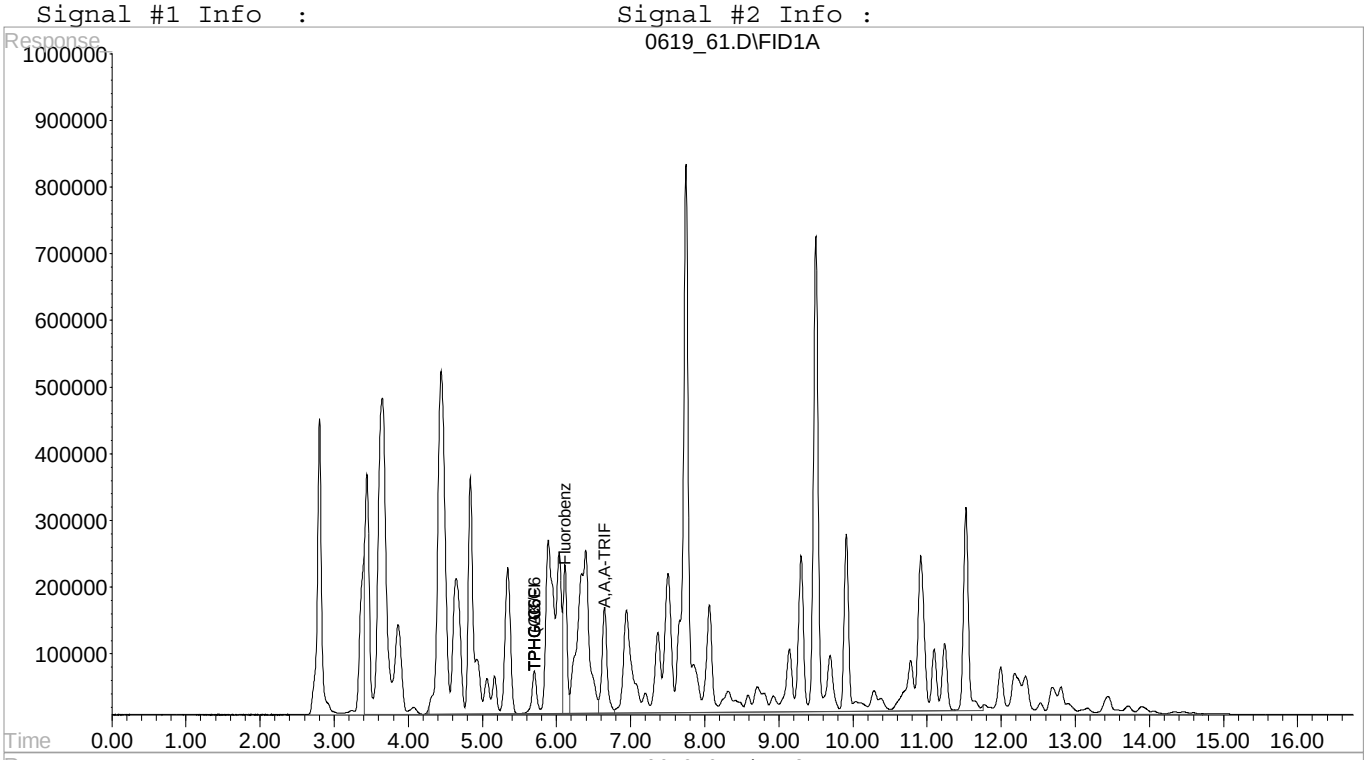
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	8334862	200.0000000	ppb
8) I Fluorobenzene #2	6.12	22765783	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	7785385	235.9548025	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 117.98%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	15603284	263.3774574	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 131.69%#		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	442138920	10.9506033	ppm
3) H,M TPHG C6 - C12	5.70	384558580	11.0573039	ppm
4) h,m TPHGAK C6 to C10	5.70	329230266	10.9132942	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	344694773	10.9035463	ppm
10) T,M Methyl Tert-Butyl Ether	4.49	22455155	321.2285965	ppb
11) T,M benzene	5.95	18646560	89.2101935	ppb
12) T,M toluene	7.75	103771496	523.6678884	ppb
13) T,M ethylbenzene	9.30	27152239	153.4541371	ppb
14) T,M m&p-xylene	9.50	100985743	513.5556605	ppb
15) T,M o-xylene	9.91	32464316	187.5612075	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	17413985	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.52	44422999	NoCal	ppb
18) T,M Naphthalene	14.60	557120	NoCal	ppb

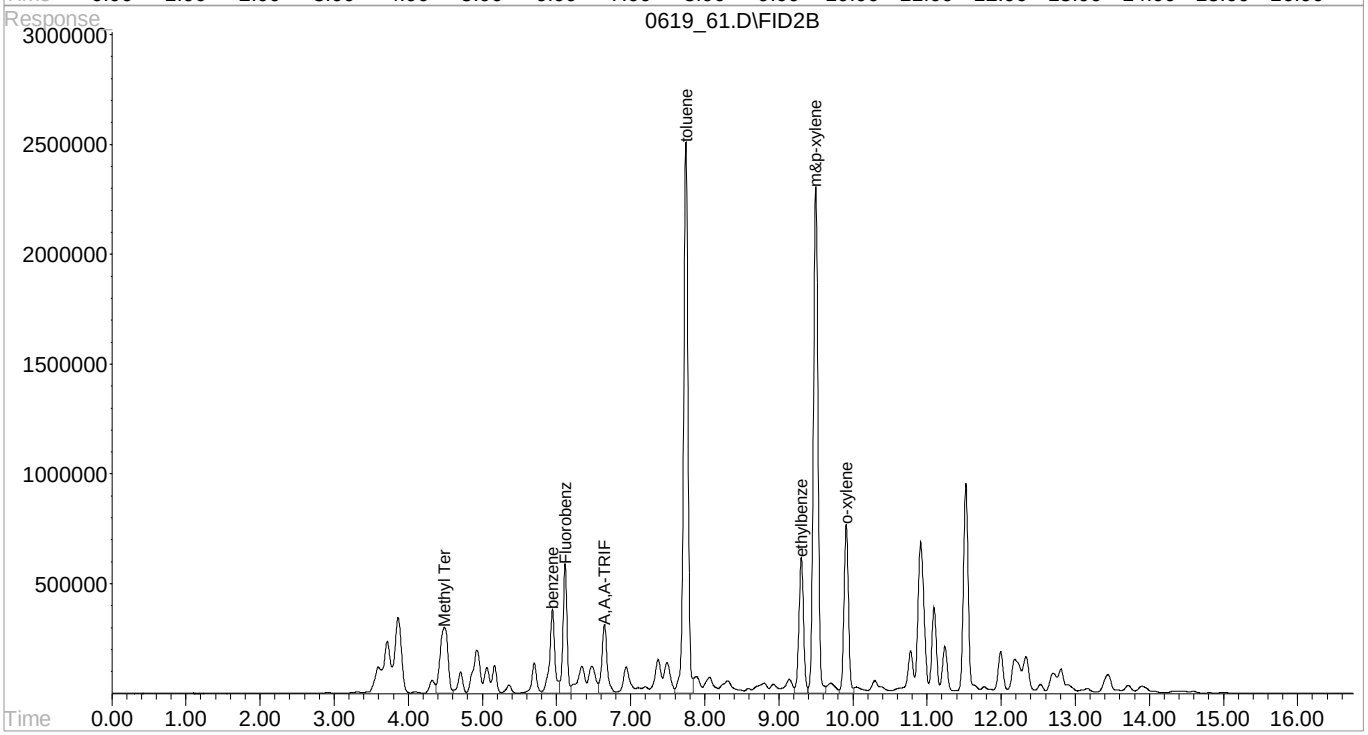
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 61.D\FID1A.CH Vial: 60
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 61.D\FID2B.CH
Acq On : 20 Jun 2014 10:51 am Operator: 621
Sample : STD GRO 11 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:48 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 61.D\FID1A.CH Vial: 60
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 61.D\FID2B.CH
Acq On : 20 Jun 2014 10:51 am Operator: 621
Sample : STD GRO 11 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:51 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

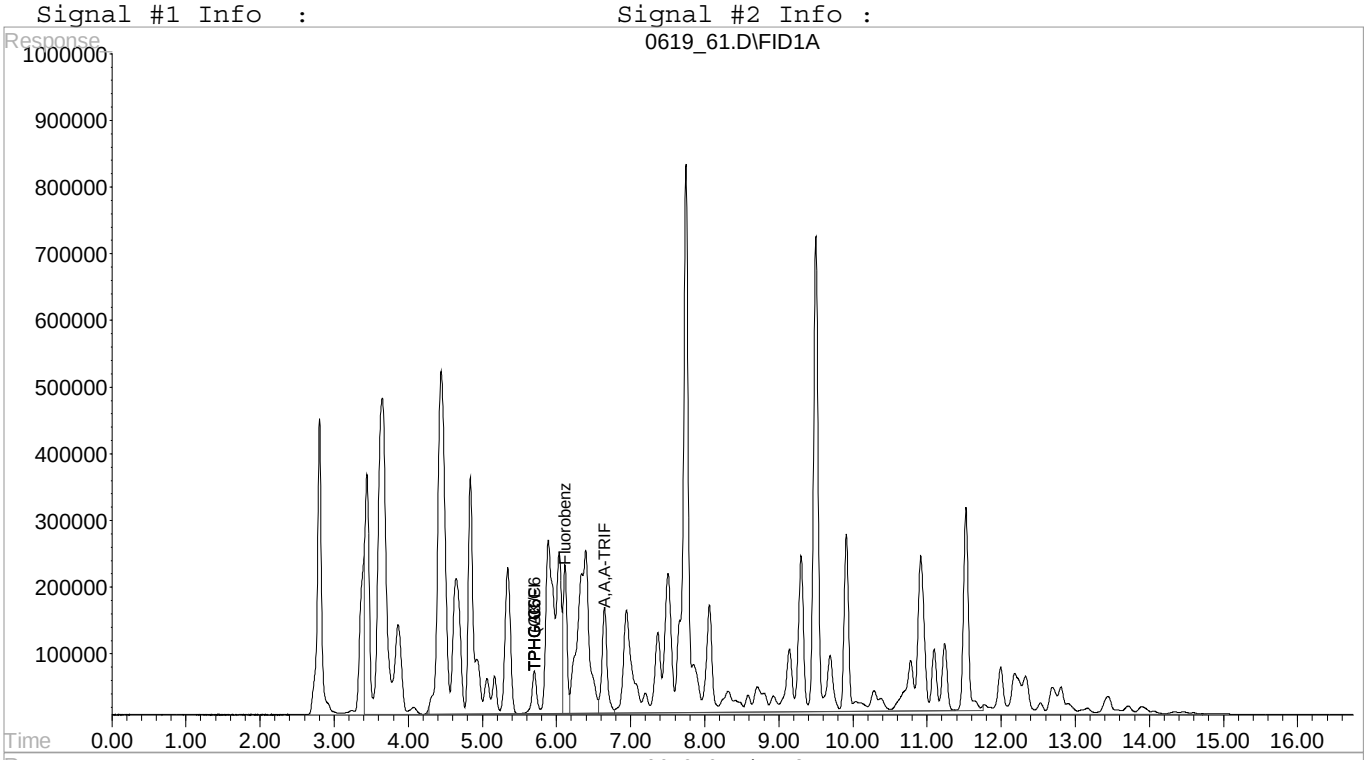
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	8334862	200.0000000	ppb
8) I Fluorobenzene #2	0.00	0	N.D.	ppb d
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	7785385	235.9548025	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 117.98%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	0.00	0	N.D.	ppb d
Spiked Amount 200.000 Range 55 - 122		Recovery = 0.00%#		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	442138920	10.9506033	ppm
3) H,M TPHG C6 - C12	5.70	384558580	11.0573039	ppm
4) h,m TPHGAK C6 to C10	5.70	329230266	10.9132942	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	344694773	10.9035463	ppm
10) T,M Methyl Tert-Butyl Ether	0.00	0	N.D.	ppb d
11) T,M benzene	0.00	0	N.D.	ppb d
12) T,M toluene	0.00	0	N.D.	ppb d
13) T,M ethylbenzene	0.00	0	N.D.	ppb d
14) T,M m&p-xylene	0.00	0	N.D.	ppb d
15) T,M o-xylene	0.00	0	N.D.	ppb d
16) T,M 1,3,5-Trimethylbenzene	0.00	0	N.D.	ppb d
17) T,M 1,2,4-Trimethylbenzene	0.00	0	N.D.	ppb d
18) T,M Naphthalene	0.00	0	N.D.	ppb d

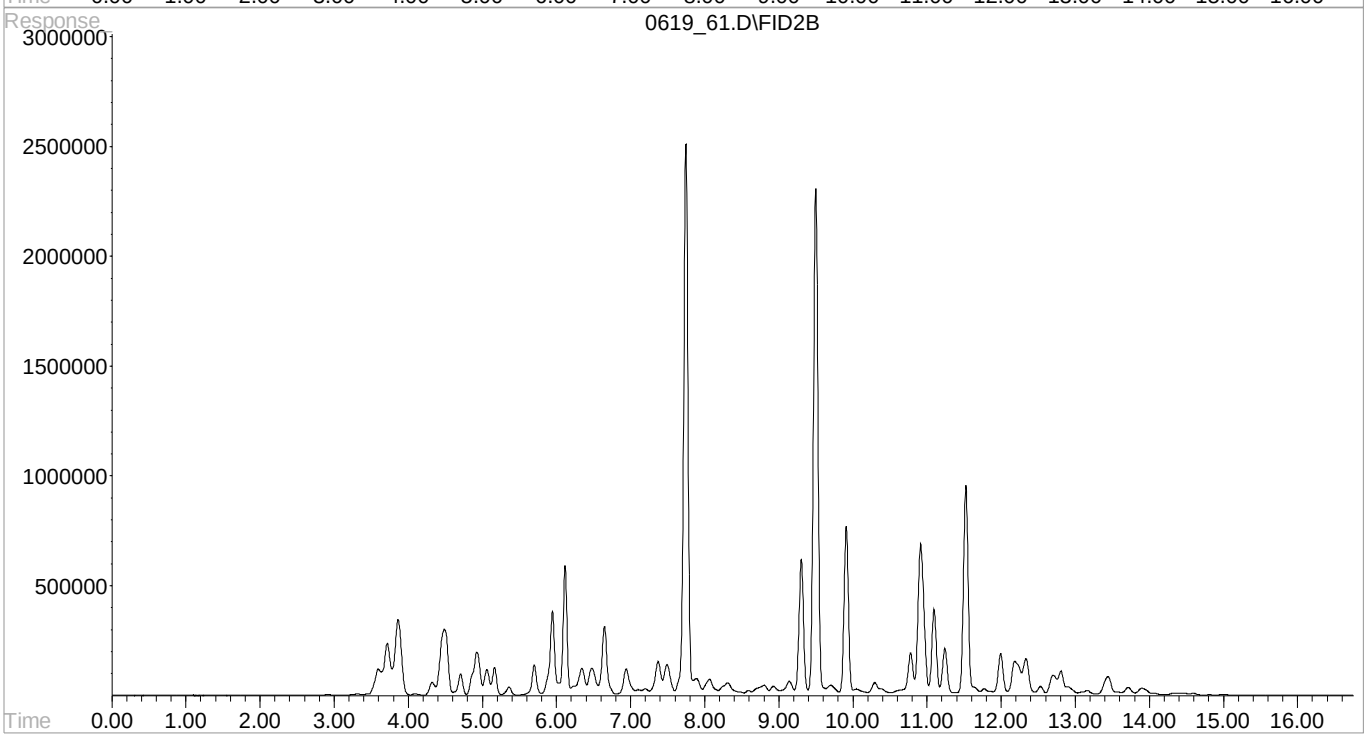
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 61.D\FID1A.CH Vial: 60
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 61.D\FID2B.CH
Acq On : 20 Jun 2014 10:51 am Operator: 621
Sample : STD GRO 11 ppm 14F17514 Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 13:51 2014 Quant Results File: BG01F19N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01F19N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Fri Jun 20 13:47:44 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID2B.CH
Acq On : 19 Jun 2014 2:42 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

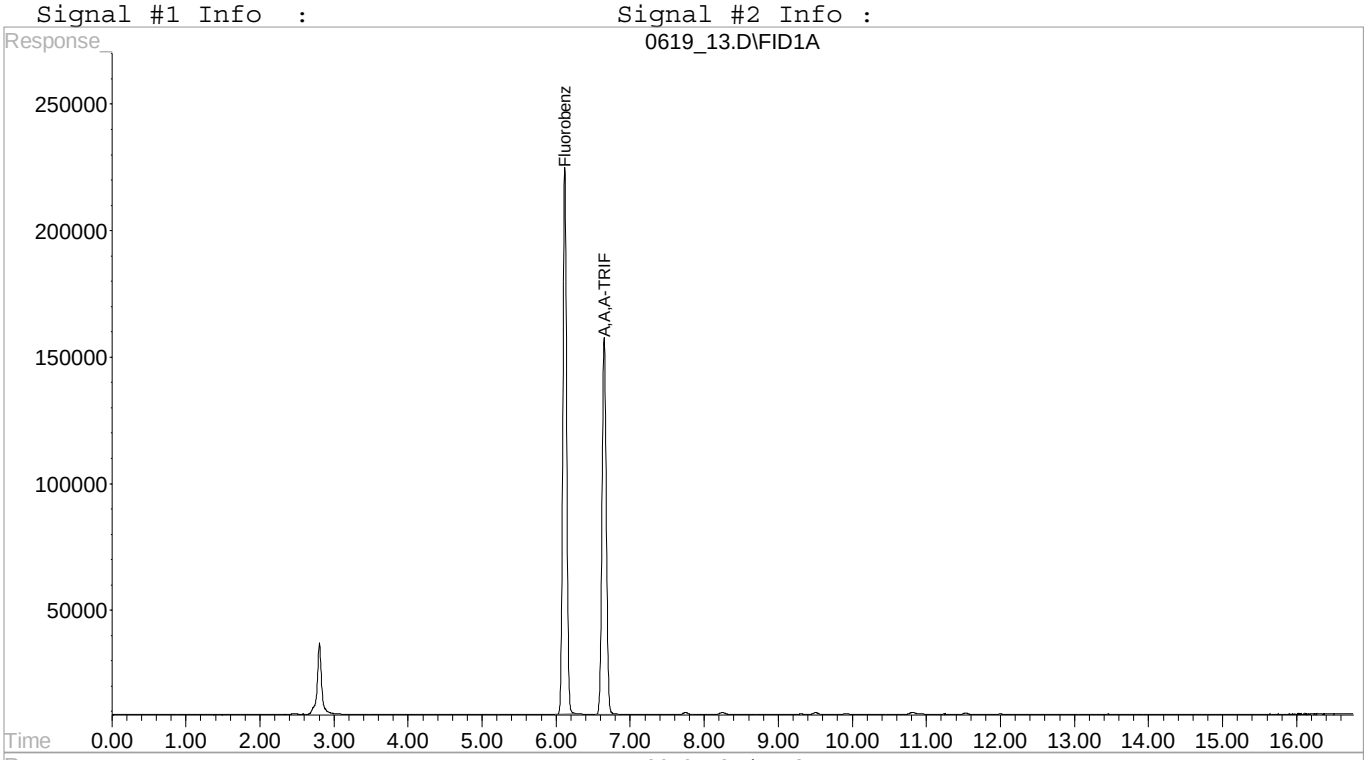
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	7750199	200.0000000	ppb
8) I Fluorobenzene #2	6.12	21482376	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5948977	199.8722790	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 99.94%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11598248	210.6545363	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.33%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	804921	N.D.	ppm
3) H,M TPHG C6 - C12	5.70	756667	N.D.	ppm
4) h,m TPHGAK C6 to C10	5.70	527374	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	569417	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.49	29447	0.4599461	ppb
11) T,M benzene	5.95	23231	0.1211894	ppb
12) T,M toluene	7.75	140861	0.7914621	ppb
13) T,M ethylbenzene	9.31	35798	0.2238305	ppb
14) T,M m&p-xylene	9.50	134669	0.7598567	ppb
15) T,M o-xylene	9.92	58734	0.3792612	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	31736	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.53	88777	NoCal	ppb
18) T,M Naphthalene	14.63f	9978	NoCal	ppb

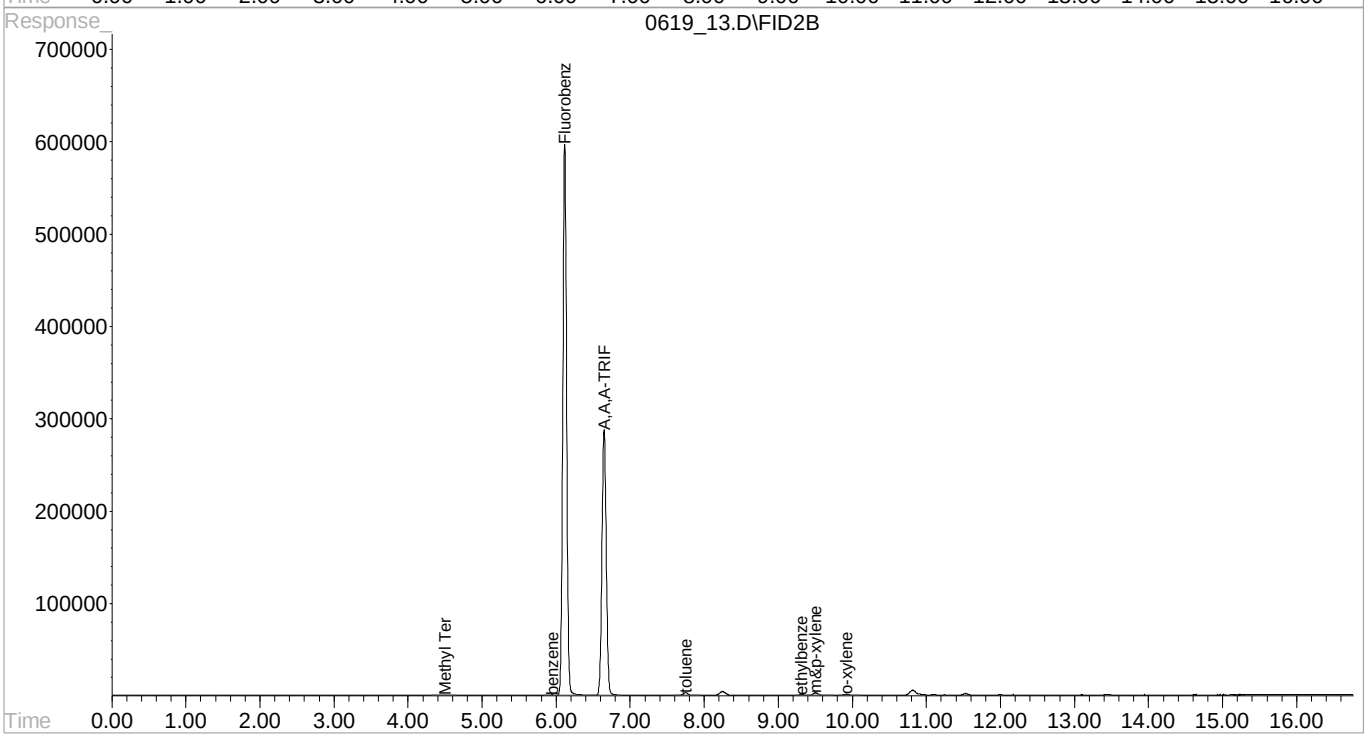
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID2B.CH
Acq On : 19 Jun 2014 2:42 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID2B.CH
Acq On : 19 Jun 2014 2:42 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

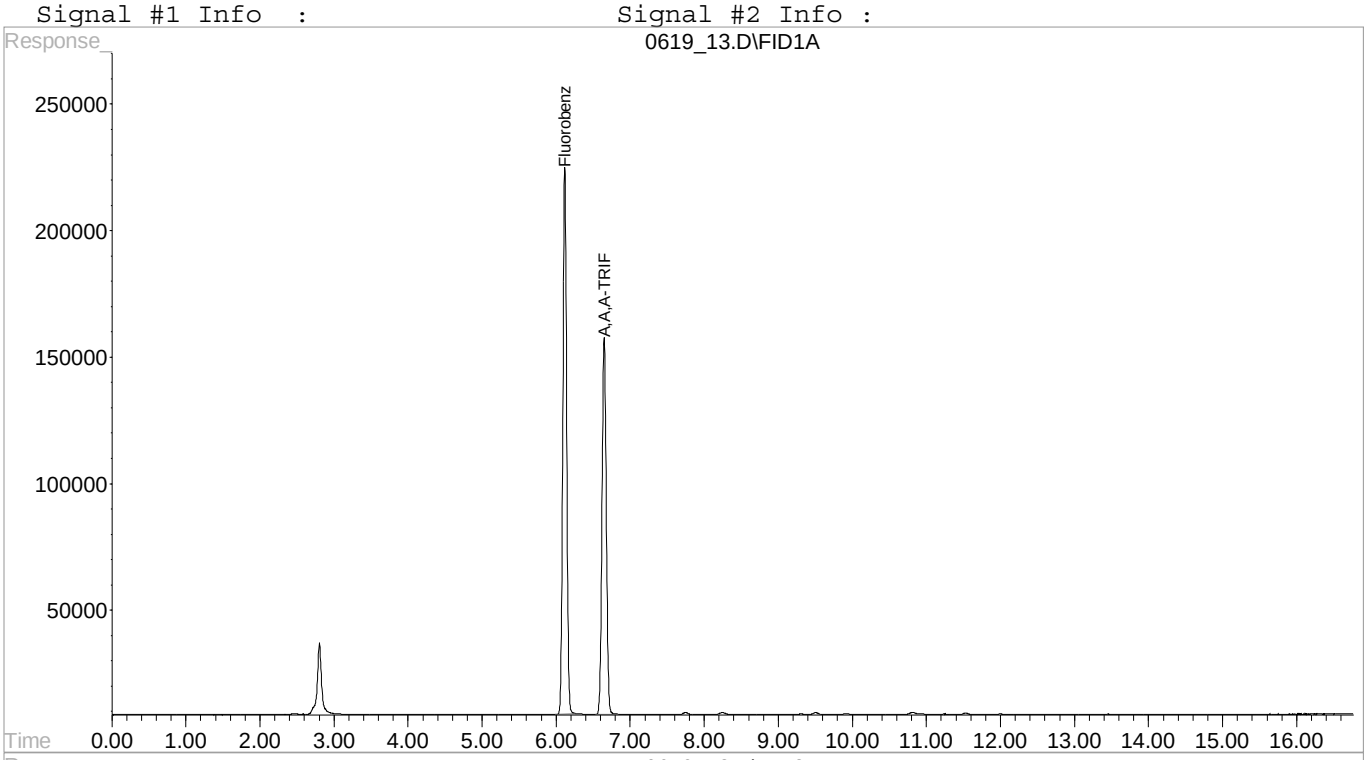
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	7750199	200.0000000	ppb
8) I Fluorobenzene #2	6.12	21482376	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5948977	199.8722790	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 99.94%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11598248	210.6545363	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.33%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	804921	N.D.	ppm
3) H,M TPHG C6 - C12	5.70	756667	N.D.	ppm
4) h,m TPHGAK C6 to C10	5.70	527374	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	569417	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.49	29447	0.4599461	ppb
11) T,M benzene	5.95	23231	0.1211894	ppb
12) T,M toluene	7.75	140861	0.7914621	ppb
13) T,M ethylbenzene	9.31	35798	0.2238305	ppb
14) T,M m&p-xylene	9.50	134669	0.7598567	ppb
15) T,M o-xylene	9.92	58734	0.3792612	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	31736	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.53	88777	NoCal	ppb
18) T,M Naphthalene	14.63f	9978	NoCal	ppb

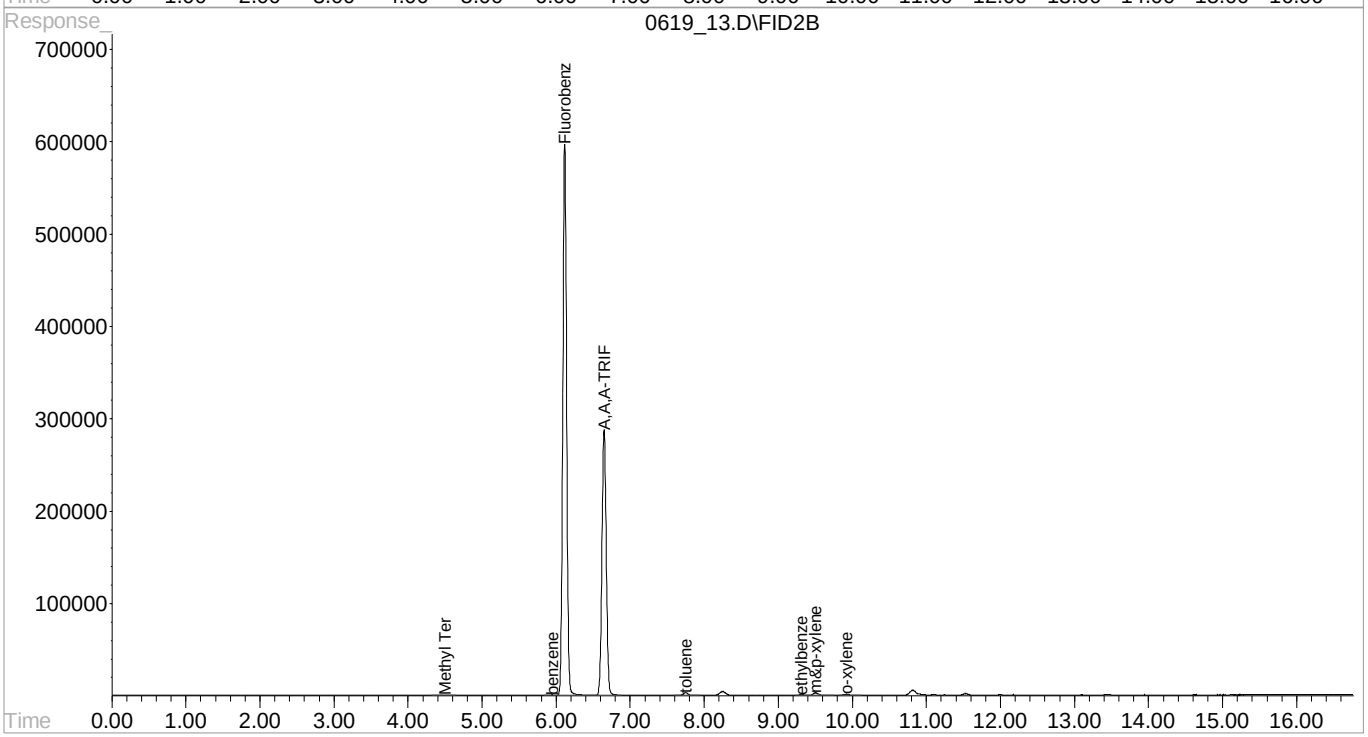
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID2B.CH
Acq On : 19 Jun 2014 2:42 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID2B.CH
Acq On : 19 Jun 2014 2:42 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

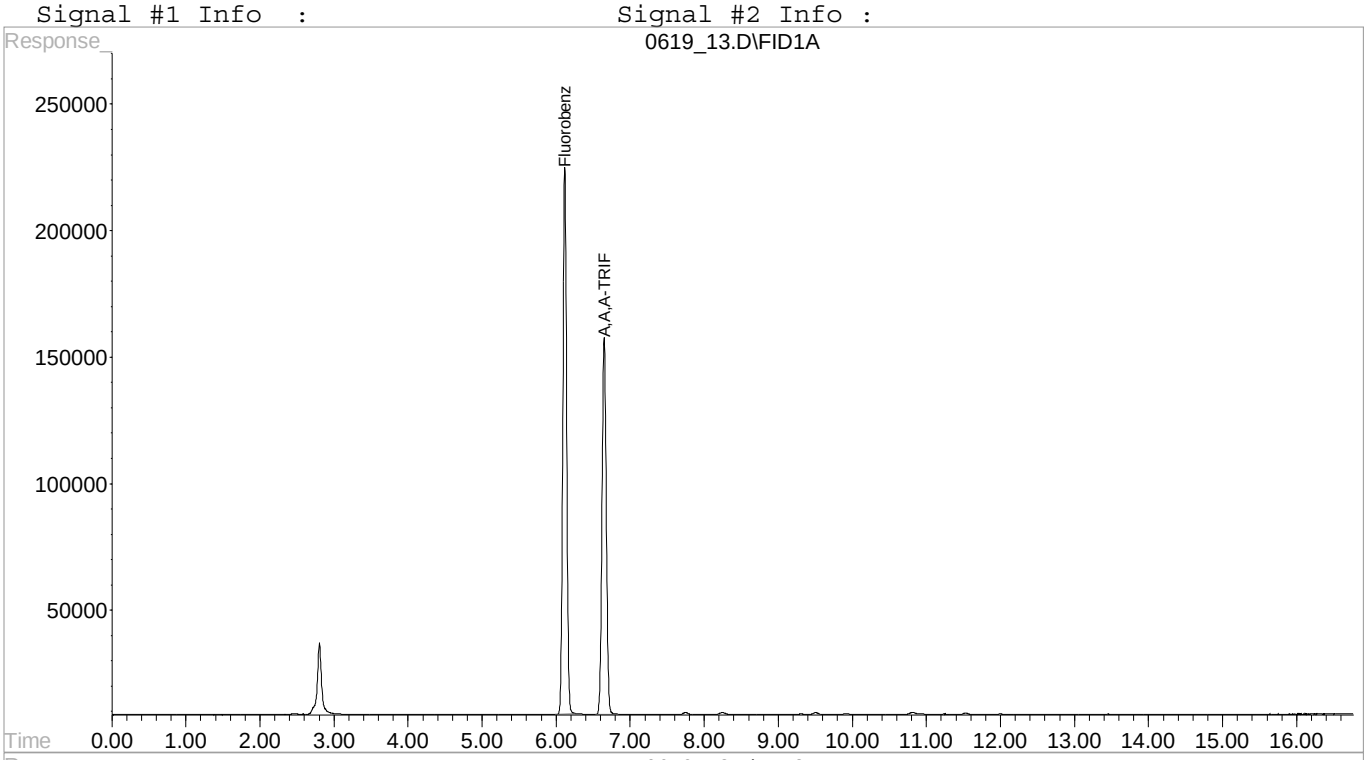
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.12	7750199	200.0000000	ppb
8) I Fluorobenzene #2	6.12	21482376	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5948977	199.8722790	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 99.94%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11598248	210.6545363	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.33%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	804921	N.D.	ppm
3) H,M TPHG C6 - C12	5.70	756667	N.D.	ppm
4) h,m TPHGAK C6 to C10	5.70	527374	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	569417	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.49	29447	0.4599461	ppb
11) T,M benzene	5.95	23231	0.1211894	ppb
12) T,M toluene	7.75	140861	0.7914621	ppb
13) T,M ethylbenzene	9.31	35798	0.2238305	ppb
14) T,M m&p-xylene	9.50	134669	0.7598567	ppb
15) T,M o-xylene	9.92	58734	0.3792612	ppb
16) T,M 1,3,5-Trimethylbenzene	11.10	31736	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.53	88777	NoCal	ppb
18) T,M Naphthalene	14.63f	9978	NoCal	ppb

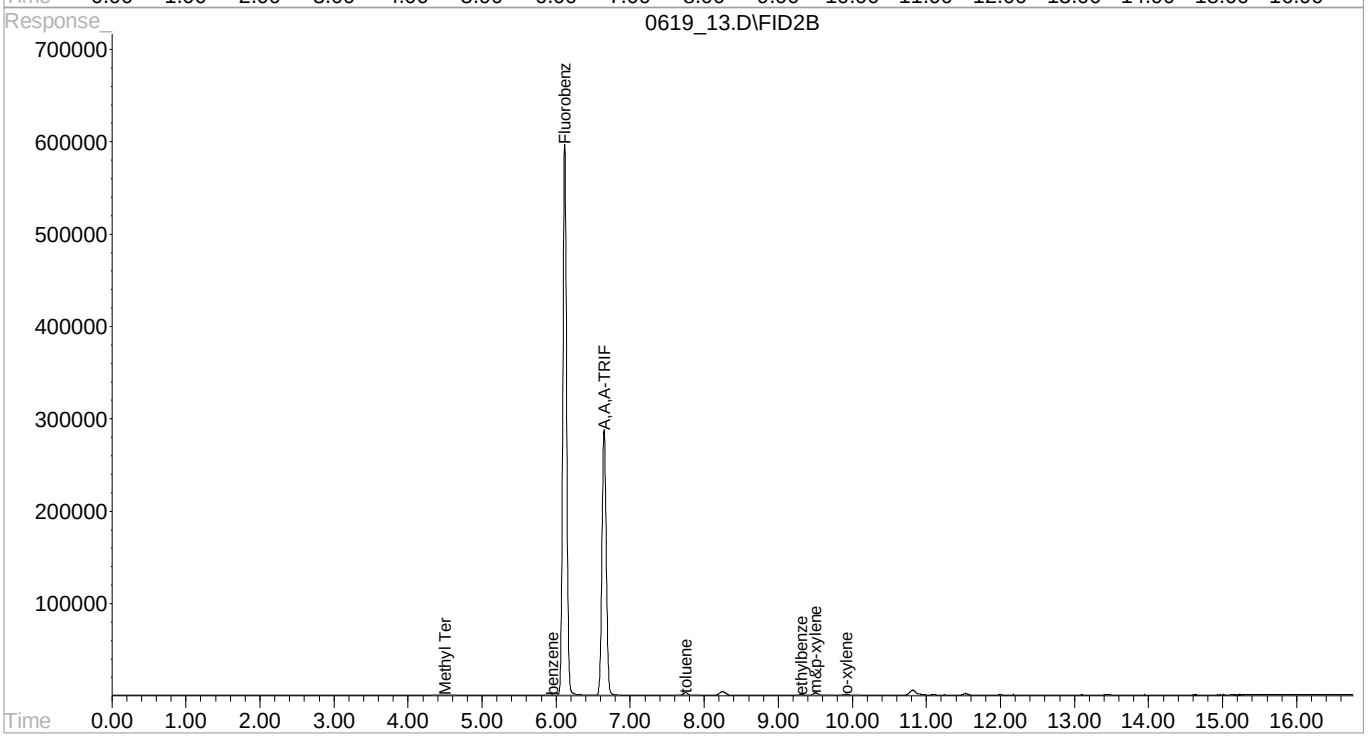
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 13.D\FID2B.CH
Acq On : 19 Jun 2014 2:42 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID2B.CH
Acq On : 19 Jun 2014 7:39 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

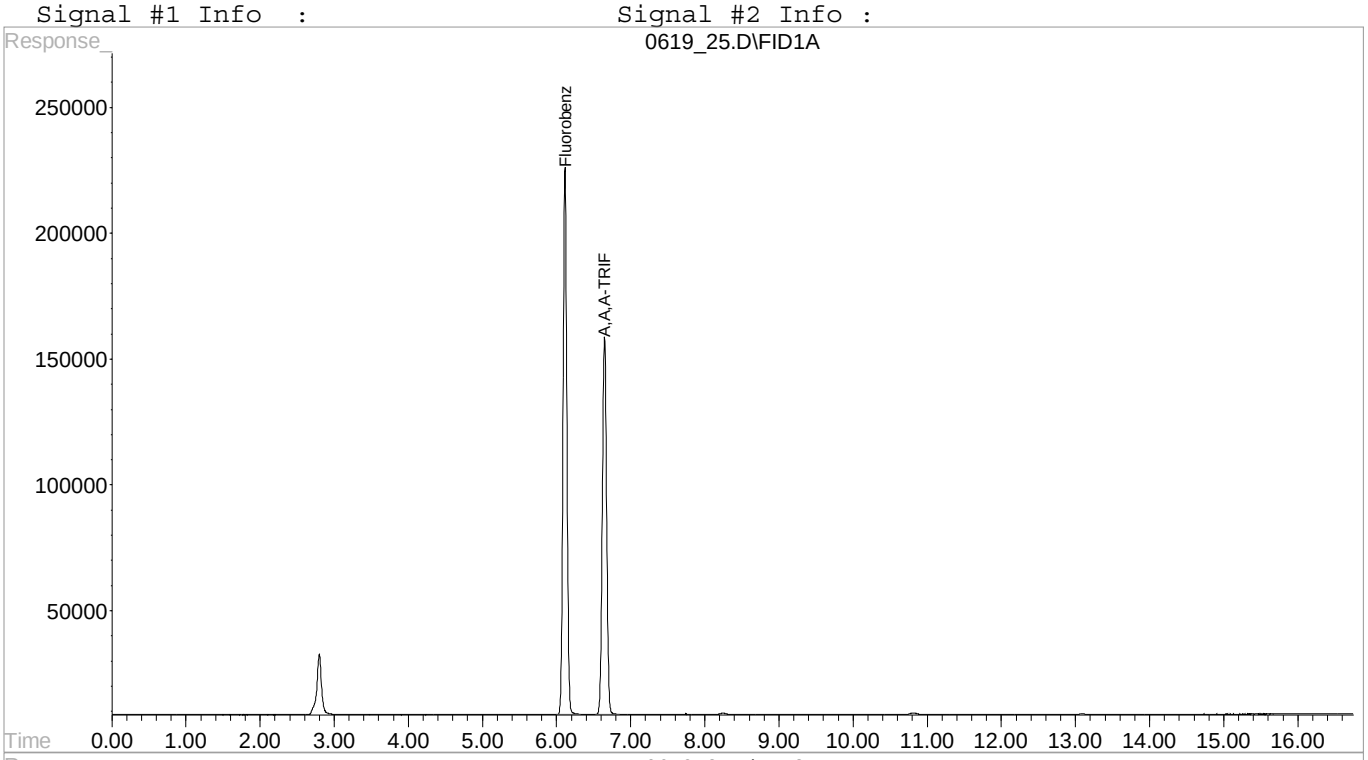
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.11	7795702	200.0000000	ppb
8) I Fluorobenzene #2	6.11	21918115	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5982550	199.8270321	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 99.91%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11807766	210.1964101	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.10%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	629911	N.D.	ppm
3) H,M TPHG C6 - C12	5.70	622471	N.D.	ppm
4) h,m TPHGAK C6 to C10	5.70	368999	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	399371	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.51	18960	0.2902547	ppb
11) T,M benzene	5.95	13762	0.0703619	ppb
12) T,M toluene	7.75	32694	0.1800464	ppb
13) T,M ethylbenzene	9.33	10114	0.0619797	ppb
14) T,M m&p-xylene	9.51	25364	0.1402684	ppb
15) T,M o-xylene	9.93	12986	0.0821855	ppb
16) T,M 1,3,5-Trimethylbenzene	11.11	9796	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.54f	18459	NoCal	ppb
18) T,M Naphthalene	14.61f	6632	NoCal	ppb

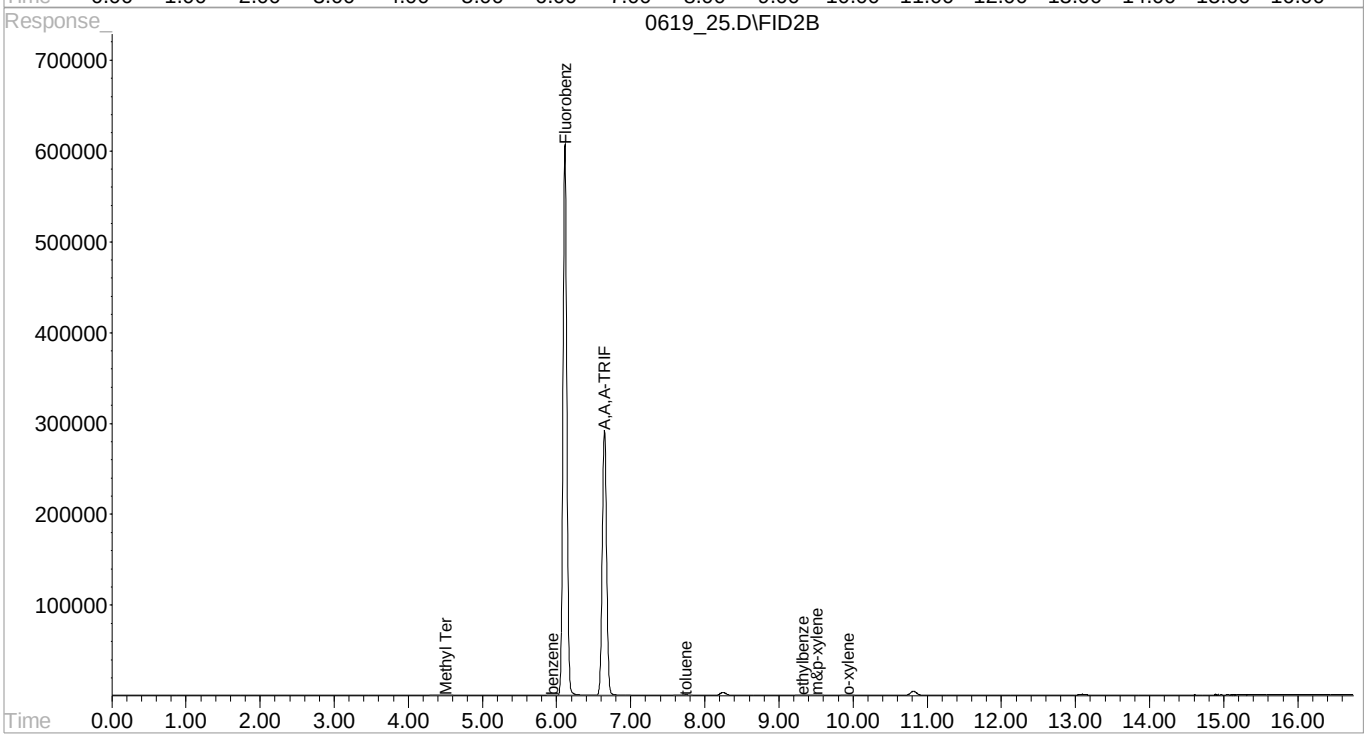
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID2B.CH
Acq On : 19 Jun 2014 7:39 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID2B.CH
Acq On : 19 Jun 2014 7:39 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

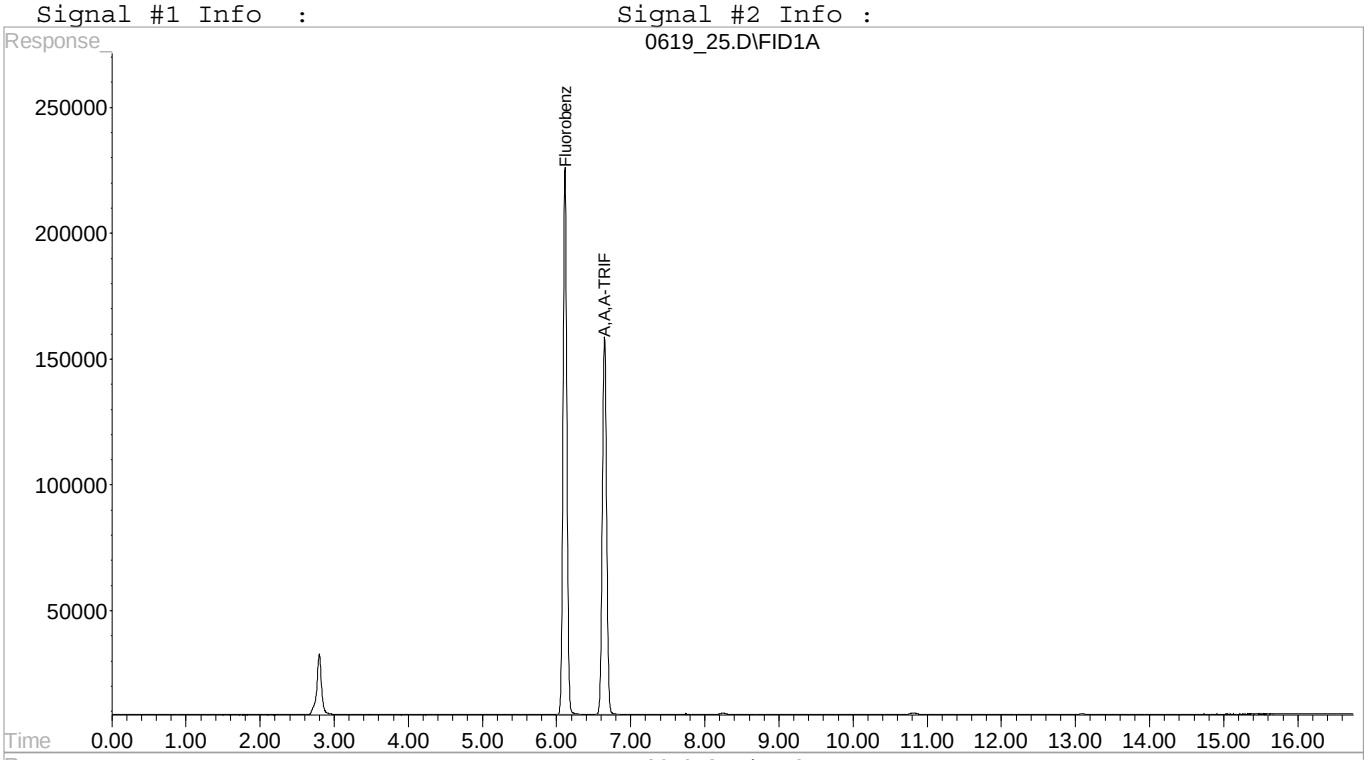
Compound	R.T.	Response	Conc	Units
Internal Standards				
1) I Fluorobenzene #1	6.11	7795702	200.0000000	ppb
8) I Fluorobenzene #2	6.11	21918115	200.0000000	ppb
System Monitoring Compounds				
6) S A,A,A-TRIFLUOROTOLUENE(FID	6.65	5982550	199.8270321	ppb
Spiked Amount 200.000 Range 62 - 128		Recovery = 99.91%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11807766	210.1964101	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.10%		
Target Compounds				
2) H,M TPHG C5 - C12	5.70	629911	N.D.	ppm
3) H,M TPHG C6 - C12	5.70	622471	N.D.	ppm
4) h,m TPHGAK C6 to C10	5.70	368999	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	399371	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.51	18960	0.2902547	ppb
11) T,M benzene	5.95	13762	0.0703619	ppb
12) T,M toluene	7.75	32694	0.1800464	ppb
13) T,M ethylbenzene	9.33	10114	0.0619797	ppb
14) T,M m&p-xylene	9.51	25364	0.1402684	ppb
15) T,M o-xylene	9.93	12986	0.0821855	ppb
16) T,M 1,3,5-Trimethylbenzene	11.11	9796	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.54f	18459	NoCal	ppb
18) T,M Naphthalene	14.61f	6632	NoCal	ppb

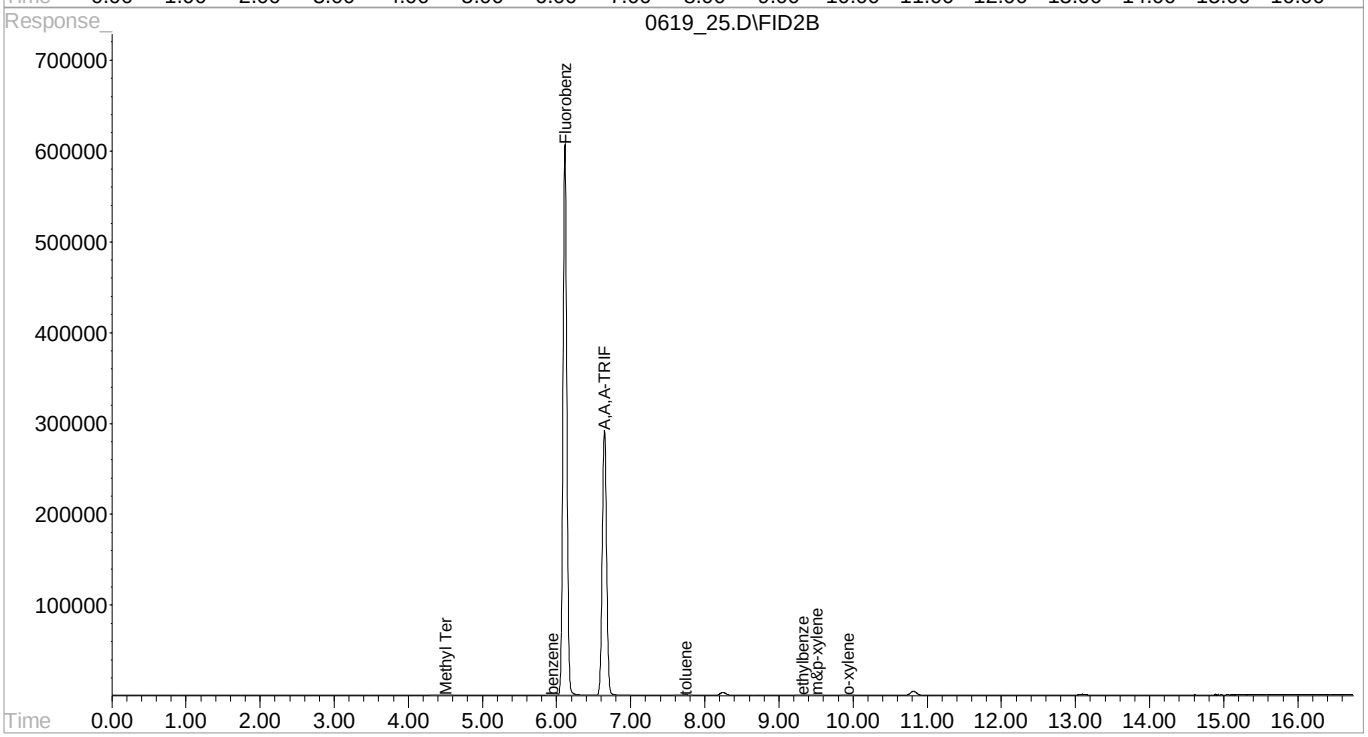
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID2B.CH
Acq On : 19 Jun 2014 7:39 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID2B.CH
Acq On : 19 Jun 2014 7:39 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Initial Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units
Internal Standards				
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Spiked Amount 200.000 Range 62 - 128		Recovery = 99.91%		
9) S A,A,A-TRIFLUOROTOLUENE(PID	6.65	11807766	210.1964101	ppb
Spiked Amount 200.000 Range 55 - 122		Recovery = 105.10%		
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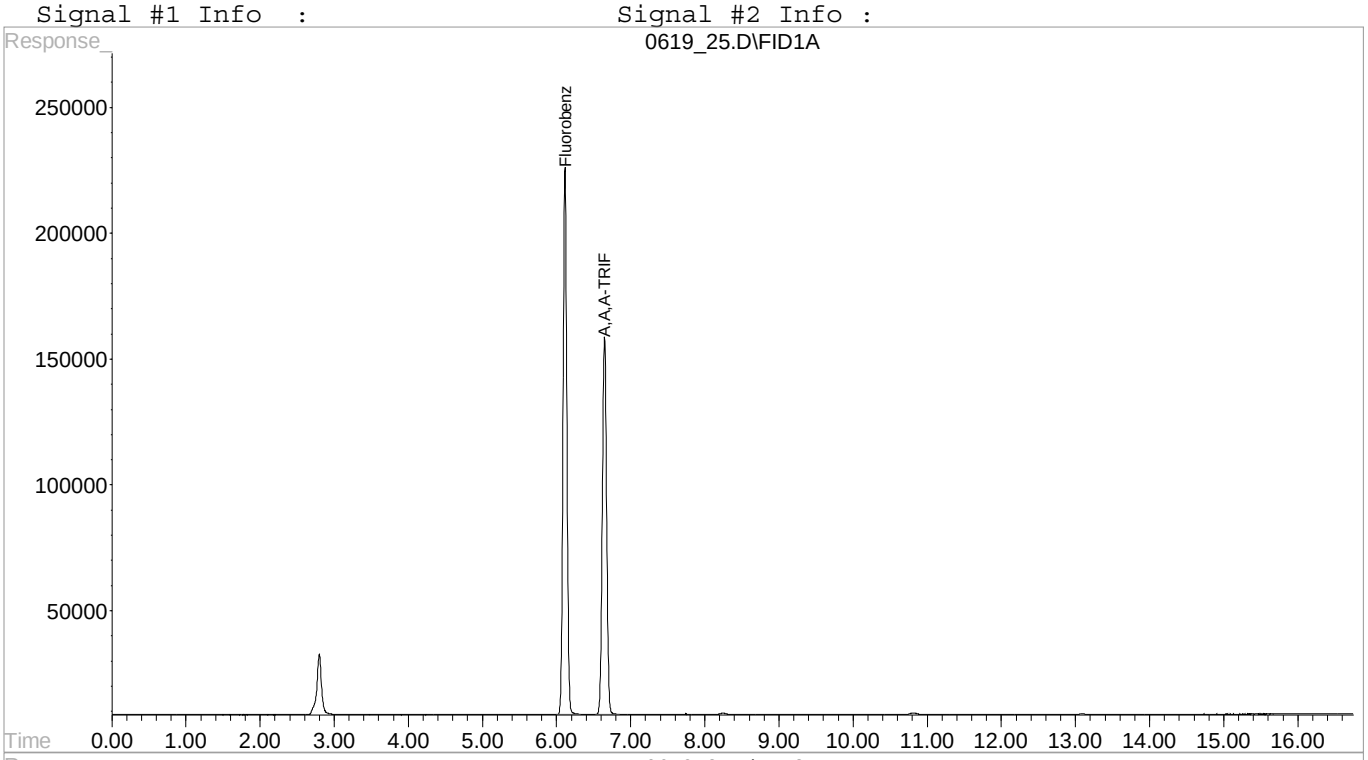
4) h,m TPHGAK C6 to C10	5.70	368999	N.D.	ppm
5) h,m TPH (GC/FID) Low Fraction	5.70	399371	N.D.	ppm
10) T,M Methyl Tert-Butyl Ether	4.51	18960	0.2902547	ppb
11) T,M benzene	5.95	13762	0.0703619	ppb
12) T,M toluene	7.75	32694	0.1800464	ppb
13) T,M ethylbenzene	9.33	10114	0.0619797	ppb
14) T,M m&p-xylene	9.51	25364	0.1402684	ppb
15) T,M o-xylene	9.93	12986	0.0821855	ppb
16) T,M 1,3,5-Trimethylbenzene	11.11	9796	NoCal	ppb
17) T,M 1,2,4-Trimethylbenzene	11.54f	18459	NoCal	ppb
18) T,M Naphthalene	14.61f	6632	NoCal	ppb

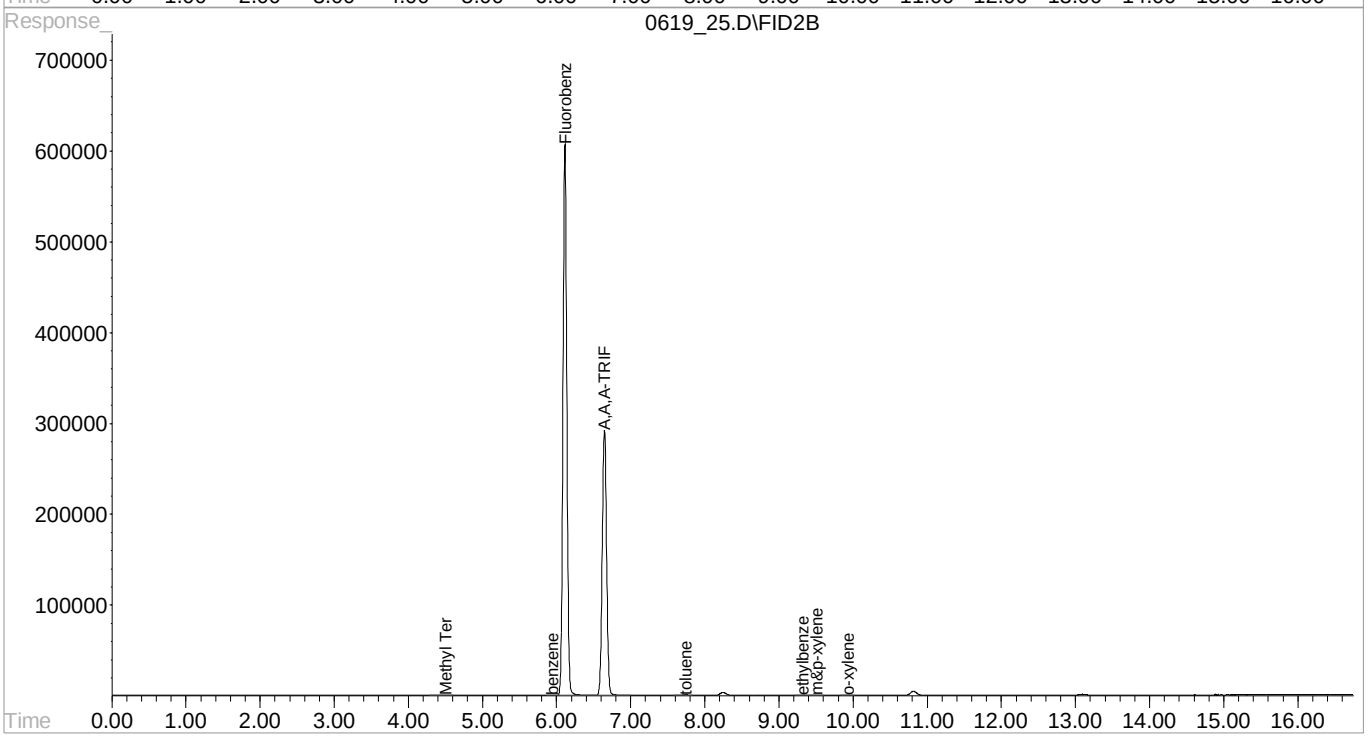
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA\061914\0619 25.D\FID2B.CH
Acq On : 19 Jun 2014 7:39 pm Operator: 621
Sample : INSTBLK Inst : VOCGC1
Misc : water SURIS14C12923 Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Jun 20 9:17 2014 Quant Results File: BG01B24N.RES

Quant Method : C:\HPCHEM\1\METHODS\BG01B24N.M (Chemstation Integrator)
Title : WIS GRO VOCGC01
Last Update : Tue Feb 25 08:57:53 2014
Response via : Single Level Calibration
DataAcq Meth : GC1BG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Volatile Organic Compounds by Method 8260B

12065 Lebanon Rd
Mt. Juliet, TN 37122
(615) 758-5858
(800) 767-5859
Fax (615) 758-5859
Tax I.D 62-0814289
Est. 1970

Quality Control Summary
SDG: L712424

Volatile Organic Compounds by Method 8260B
URS Corporation -Tucson AZ - 1088308

Project: Holloman AFB
Project No: 23446543.0053AA

Login No: L712424

Lab SampleID.	Client ID
L712424-01	H-TU904-FIELDBLANK-BT01
L712424-02	H-TU904-MW01-NT01
L712424-03	H-TU904-MW02-NT01
L712424-04	H-TU904-MW02-DT01
L712424-05	H-TU904-MW03-NT01
L712424-06	H-TU904-MW04-NT01
L712424-07	H-TU904-MW07-NT01
L712424-08	H-TU904-TRIPBLANK-TT02

I certify that this data package accurately represents the information in the raw data found herein, both technically and for completeness. Release of the data contained in this data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: ESC Lab Sciences

Date: _____ Title: Quality Control

12065 Lebanon Rd
Mt. Juliet, TN 37122
(615) 758-5858
(800) 767-5859
Fax (615) 758-5859
Tax I.D 62-0814289
Est. 1970

Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Workgroup: **WG734030**
Description: **Volatiles by Method 8260B (GW)**

Sample Name	Collect Date	Analysis Date
L712424-01 1x	07/25/2014	07/29/2014
L712424-02 1x	07/24/2014	07/30/2014
L712424-03 1x	07/24/2014	07/30/2014
L712424-04 1x	07/24/2014	07/30/2014
L712424-05 1x	07/24/2014	07/29/2014
L712424-06 1x	07/24/2014	07/30/2014
L712424-07 1x	07/25/2014	07/30/2014
L712424-08 1x	07/24/2014	07/29/2014

Parameters in bold text are reported in this SDG

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Est. 1970

Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Method Blank Summary

Instrument	Client Sample ID	Lab Sample ID	File Name	Analysis Date	Analysis Time
VOCMS23	LCS WG734030	LCS WG734030	0729_03a.D	7/29/2014	4:25 PM
VOCMS23	LCSD WG734030	LCSD WG734030	0729_04a.D	7/29/2014	4:45 PM
VOCMS23	MS WG734030	MS WG734030	0729_06a.D	7/29/2014	6:28 PM
VOCMS23	MSD WG734030	MSD WG734030	0729_07a.D	7/29/2014	6:48 PM
VOCMS23	Blank WG734030	Blank WG734030	0729_09a.D	7/29/2014	7:28 PM
VOCMS23	H-TU904-FIELDBLANK-BT01	L712424-01	0729_11A.D	7/29/2014	8:18 PM
VOCMS23	H-TU904-TRIPBLANK-TT02	L712424-08	0729_12A.D	7/29/2014	8:38 PM
VOCMS23	H-TU904-MW03-NT01	L712424-05	0729_13A.D	7/29/2014	8:58 PM
VOCMS23	H-TU904-MW01-NT01	L712424-02	0729_25A.D	7/30/2014	12:59 AM
VOCMS23	H-TU904-MW02-NT01	L712424-03	0729_26A.D	7/30/2014	1:19 AM
VOCMS23	H-TU904-MW02-DT01	L712424-04	0729_27A.D	7/30/2014	1:39 AM
VOCMS23	H-TU904-MW04-NT01	L712424-06	0729_28A.D	7/30/2014	1:59 AM
VOCMS23	H-TU904-MW07-NT01	L712424-07	0729_29A.D	7/30/2014	2:19 AM

Parameters in bold text are reported in this SDG

12065 Lebanon Rd
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(800) 767-5859
Fax (615) 758-5859
Tax I.D 62-0814289
Est. 1970

Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Method Blank

Analyte	CAS	RDL	MDL	Qualifier
1,1,1,2-Tetrachloroethane	630-20-6	< 0.00100	< 0.000385	
1,1,1-Trichloroethane	71-55-6	< 0.00100	< 0.000319	
1,1,2,2-Tetrachloroethane	79-34-5	< 0.00100	< 0.000585	
1,1,2-Trichloroethane	79-00-5	< 0.00100	< 0.000383	
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.00100	< 0.000303	
1,1-Dichloroethane	75-34-3	< 0.00100	< 0.000259	
1,1-Dichloroethene	75-35-4	< 0.00100	< 0.000398	
1,1-Dichloropropene	563-58-6	< 0.00100	< 0.000352	
1,2,3-Trichlorobenzene	87-61-6	< 0.00100	< 0.000230	
1,2,3-Trichloropropane	96-18-4	< 0.00250	< 0.000807	
1,2,3-Trimethylbenzene	526-73-8	< 0.00100	< 0.000321	
1,2,4-Trichlorobenzene	120-82-1	< 0.00100	< 0.000214	
1,2,4-Trimethylbenzene	95-63-6	< 0.00100	< 0.000373	
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.00500	< 0.00133	
1,2-Dibromoethane	106-93-4	< 0.00100	< 0.000381	
1,2-Dichlorobenzene	95-50-1	< 0.00100	< 0.000349	
1,2-Dichloroethane	107-06-2	< 0.00100	< 0.000361	
1,2-Dichloropropane	78-87-5	< 0.00100	< 0.000306	
1,3,5-Trimethylbenzene	108-67-8	< 0.00100	< 0.000387	
1,3-Dichlorobenzene	541-73-1	< 0.00100	< 0.000220	
1,3-Dichloropropane	142-28-9	< 0.00100	< 0.000366	
1,4-Dichlorobenzene	106-46-7	< 0.00100	< 0.000274	
2,2-Dichloropropane	594-20-7	< 0.00100	< 0.000321	
2-Butanone (MEK)	78-93-3	< 0.0100	< 0.00393	
2-Chloroethyl vinyl ether	110-75-8	< 0.0500	< 0.00301	
2-Chlorotoluene	95-49-8	< 0.00100	< 0.000375	
4-Chlorotoluene	106-43-4	< 0.00100	< 0.000351	
4-Methyl-2-pentanone (MIBK)	108-10-1	< 0.0100	< 0.00214	
Acetone	67-64-1	< 0.0500	< 0.0100	
Acrolein	107-02-8	< 0.0500	< 0.00887	
Acrylonitrile	107-13-1	< 0.0100	< 0.00187	
Benzene	71-43-2	< 0.00100	< 0.000331	
Bromobenzene	108-86-1	< 0.00100	< 0.000352	
Bromodichloromethane	75-27-4	< 0.00100	< 0.000380	
Bromoform	75-25-2	< 0.00100	< 0.000469	
Bromomethane	74-83-9	< 0.00500	< 0.000866	
Carbon tetrachloride	56-23-5	< 0.00100	< 0.000379	

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Method Blank

Analyte	CAS	RDL	MDL	Qualifier
Chlorobenzene	108-90-7	< 0.00100	< 0.000348	
Chlorodibromomethane	124-48-1	< 0.00100	< 0.000327	
Chloroethane	75-00-3	< 0.00500	< 0.000453	
Chloroform	67-66-3	< 0.00500	< 0.000324	
Chloromethane	74-87-3	< 0.00250	< 0.000276	
cis-1,2-Dichloroethene	156-59-2	< 0.00100	< 0.000260	
cis-1,3-Dichloropropene	10061-01-5	< 0.00100	< 0.000418	
Dibromomethane	74-95-3	< 0.00100	< 0.000346	
Dichlorodifluoromethane	75-71-8	< 0.00500	< 0.000551	
Di-isopropyl ether	108-20-3	< 0.00100	< 0.000320	
Ethylbenzene	100-41-4	< 0.00100	< 0.000384	
Hexachloro-1,3-butadiene	87-68-3	< 0.00100	< 0.000256	
Isopropylbenzene	98-82-8	< 0.00100	< 0.000326	
Methyl tert-butyl ether	1634-04-4	< 0.00100	< 0.000367	
Methylene Chloride	75-09-2	< 0.00500	0.00100	
Naphthalene	91-20-3	< 0.00500	< 0.00100	
n-Butylbenzene	104-51-8	< 0.00100	< 0.000361	
n-Propylbenzene	103-65-1	< 0.00100	< 0.000349	
p-Isopropyltoluene	99-87-6	< 0.00100	< 0.000350	
sec-Butylbenzene	135-98-8	< 0.00100	< 0.000365	
Styrene	100-42-5	< 0.00100	< 0.000307	
tert-Butylbenzene	98-06-6	< 0.00100	< 0.000399	
Tetrachloroethene	127-18-4	< 0.00100	< 0.000372	
Toluene	108-88-3	< 0.00500	< 0.000780	
trans-1,2-Dichloroethene	156-60-5	< 0.00100	< 0.000396	
trans-1,3-Dichloropropene	10061-02-6	< 0.00100	< 0.000419	
Trichloroethene	79-01-6	< 0.00100	< 0.000398	
Trichlorofluoromethane	75-69-4	< 0.00500	< 0.00120	
Vinyl chloride	75-01-4	< 0.00100	< 0.000259	
Xylenes, Total	1330-20-7	< 0.00300	< 0.00106	

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
1,1,1,2-Tetrachloroethane	1	0.025	0.0233	93.1	74.2 - 124	
1,1,1-Trichloroethane	1	0.025	0.0233	93	73.2 - 123	
1,1,2,2-Tetrachloroethane	1	0.025	0.0236	94.5	70.7 - 122	
1,1,2-Trichloroethane	1	0.025	0.0242	96.7	77.7 - 118	
1,1,2-Trichlorotrifluoroethane	1	0.025	0.0218	87.2	67.2 - 143	
1,1-Dichloroethane	1	0.025	0.0252	101	70.7 - 126	
1,1-Dichloroethene	1	0.025	0.0209	83.5	67.8 - 129	
1,1-Dichloropropene	1	0.025	0.0242	96.7	73.1 - 125	
1,2,3-Trichlorobenzene	1	0.025	0.0197	78.9	64.9 - 135	
1,2,3-Trichloropropane	1	0.025	0.0226	90.4	71.8 - 121	
1,2,3-Trimethylbenzene	1	0.025	0.0215	85.9	72.3 - 116	
1,2,4-Trichlorobenzene	1	0.025	0.0206	82.6	69.7 - 136	
1,2,4-Trimethylbenzene	1	0.025	0.0232	92.8	75 - 123	
1,2-Dibromo-3-Chloropropane	1	0.025	0.0196	78.3	65.4 - 128	
1,2-Dibromoethane	1	0.025	0.0229	91.7	76.6 - 121	
1,2-Dichlorobenzene	1	0.025	0.0228	91.1	78.4 - 117	
1,2-Dichloroethane	1	0.025	0.0235	94	68.8 - 124	
1,2-Dichloropropane	1	0.025	0.0257	103	76.5 - 119	
1,3,5-Trimethylbenzene	1	0.025	0.0237	94.7	75.6 - 124	
1,3-Dichlorobenzene	1	0.025	0.0234	93.5	70.8 - 128	
1,3-Dichloropropane	1	0.025	0.0234	93.5	77.4 - 117	
1,4-Dichlorobenzene	1	0.025	0.0220	87.9	78.8 - 115	
2,2-Dichloropropane	1	0.025	0.0206	82.6	62.4 - 133	
2-Butanone (MEK)	1	0.125	0.1222	97.7	55 - 149	
2-Chloroethyl vinyl ether	1	0.125	0.1287	103	43.8 - 150	
2-Chlorotoluene	1	0.025	0.0235	93.9	74.7 - 122	
4-Chlorotoluene	1	0.025	0.0240	95.8	77.5 - 120	
4-Methyl-2-pentanone (MIBK)	1	0.125	0.1210	96.8	70.5 - 133	
Acetone	1	0.125	0.1113	89.1	35.6 - 163	
Acrolein	1	0.125	0.0905	72.4	10 - 190	
Acrylonitrile	1	0.125	0.1344	107	55.2 - 130	
Benzene	1	0.025	0.0254	102	74.8 - 121	
Bromobenzene	1	0.025	0.0241	96.4	77.5 - 116	
Bromodichloromethane	1	0.025	0.0235	94	75.1 - 116	
Bromoform	1	0.025	0.0216	86.6	67.5 - 130	
Bromomethane	1	0.025	0.0252	101	49.9 - 162	

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Carbon tetrachloride	1	0.025	0.0226	90.2	70.2 - 123	
Chlorobenzene	1	0.025	0.0242	96.9	78.1 - 119	
Chlorodibromomethane	1	0.025	0.0220	87.9	74 - 121	
Chloroethane	1	0.025	0.0245	98	61.7 - 135	
Chloroform	1	0.025	0.0225	90.2	76 - 121	
Chloromethane	1	0.025	0.0267	107	61.5 - 129	
cis-1,2-Dichloroethene	1	0.025	0.0262	105	76 - 119	
cis-1,3-Dichloropropene	1	0.025	0.0246	98.2	78.2 - 120	
Dibromomethane	1	0.025	0.0237	94.9	79.5 - 118	
Dichlorodifluoromethane	1	0.025	0.0262	105	54.8 - 135	
Di-isopropyl ether	1	0.025	0.0262	105	65.6 - 132	
Ethylbenzene	1	0.025	0.0241	96.3	78.8 - 122	
Hexachloro-1,3-butadiene	1	0.025	0.0214	85.5	64.7 - 129	
Isopropylbenzene	1	0.025	0.0239	95.7	78.6 - 132	
Methyl tert-butyl ether	1	0.025	0.0232	93	71.2 - 126	
Methylene Chloride	1	0.025	0.0226	90.3	70.3 - 120	
Naphthalene	1	0.025	0.0205	81.8	68.4 - 128	
n-Butylbenzene	1	0.025	0.0219	87.7	76.2 - 126	
n-Propylbenzene	1	0.025	0.0240	95.9	78.2 - 122	
p-Isopropyltoluene	1	0.025	0.0236	94.3	74 - 131	
sec-Butylbenzene	1	0.025	0.0238	95.3	74.4 - 127	
Styrene	1	0.025	0.0245	98.1	80.4 - 126	
tert-Butylbenzene	1	0.025	0.0237	95	75.3 - 126	
Tetrachloroethene	1	0.025	0.0228	91.1	72.6 - 126	
Toluene	1	0.025	0.0239	95.7	79.7 - 116	
trans-1,2-Dichloroethene	1	0.025	0.0239	95.8	72.6 - 121	
trans-1,3-Dichloropropene	1	0.025	0.0246	98.5	74.3 - 123	
Trichloroethene	1	0.025	0.0248	99	77.7 - 118	
Trichlorofluoromethane	1	0.025	0.0217	86.6	63.5 - 135	
Vinyl chloride	1	0.025	0.0241	96.4	65.9 - 128	
Xylenes, Total	1	0.075	0.0715	95.4	78.7 - 121	

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
1,1,1,2-Tetrachloroethane	1	0.025	0.0238	95.3	74.2 - 124	
1,1,1-Trichloroethane	1	0.025	0.0237	94.9	73.2 - 123	
1,1,2,2-Tetrachloroethane	1	0.025	0.0244	97.7	70.7 - 122	
1,1,2-Trichloroethane	1	0.025	0.0252	101	77.7 - 118	
1,1,2-Trichlorotrifluoroethane	1	0.025	0.0219	87.6	67.2 - 143	
1,1-Dichloroethane	1	0.025	0.0256	102	70.7 - 126	
1,1-Dichloroethene	1	0.025	0.0209	83.7	67.8 - 129	
1,1-Dichloropropene	1	0.025	0.0247	98.9	73.1 - 125	
1,2,3-Trichlorobenzene	1	0.025	0.0199	79.7	64.9 - 135	
1,2,3-Trichloropropane	1	0.025	0.0230	92.2	71.8 - 121	
1,2,3-Trimethylbenzene	1	0.025	0.0217	86.6	72.3 - 116	
1,2,4-Trichlorobenzene	1	0.025	0.0206	82.2	69.7 - 136	
1,2,4-Trimethylbenzene	1	0.025	0.0230	92	75 - 123	
1,2-Dibromo-3-Chloropropane	1	0.025	0.0210	84.2	65.4 - 128	
1,2-Dibromoethane	1	0.025	0.0240	95.9	76.6 - 121	
1,2-Dichlorobenzene	1	0.025	0.0229	91.5	78.4 - 117	
1,2-Dichloroethane	1	0.025	0.0246	98.5	68.8 - 124	
1,2-Dichloropropane	1	0.025	0.0262	105	76.5 - 119	
1,3,5-Trimethylbenzene	1	0.025	0.0231	92.5	75.6 - 124	
1,3-Dichlorobenzene	1	0.025	0.0231	92.4	70.8 - 128	
1,3-Dichloropropane	1	0.025	0.0246	98.5	77.4 - 117	
1,4-Dichlorobenzene	1	0.025	0.0223	89.2	78.8 - 115	
2,2-Dichloropropane	1	0.025	0.0209	83.8	62.4 - 133	
2-Butanone (MEK)	1	0.125	0.1395	112	55 - 149	
2-Chloroethyl vinyl ether	1	0.125	0.1374	110	43.8 - 150	
2-Chlorotoluene	1	0.025	0.0231	92.2	74.7 - 122	
4-Chlorotoluene	1	0.025	0.0239	95.5	77.5 - 120	
4-Methyl-2-pentanone (MIBK)	1	0.125	0.1325	106	70.5 - 133	
Acetone	1	0.125	0.1243	99.5	35.6 - 163	
Acrolein	1	0.125	0.1012	81	10 - 190	
Acrylonitrile	1	0.125	0.1441	115	55.2 - 130	
Benzene	1	0.025	0.0259	103	74.8 - 121	
Bromobenzene	1	0.025	0.0242	96.8	77.5 - 116	
Bromodichloromethane	1	0.025	0.0240	96.1	75.1 - 116	
Bromoform	1	0.025	0.0222	88.8	67.5 - 130	
Bromomethane	1	0.025	0.0257	103	49.9 - 162	

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Carbon tetrachloride	1	0.025	0.0228	91.3	70.2 - 123	
Chlorobenzene	1	0.025	0.0242	96.8	78.1 - 119	
Chlorodibromomethane	1	0.025	0.0231	92.5	74 - 121	
Chloroethane	1	0.025	0.0246	98.6	61.7 - 135	
Chloroform	1	0.025	0.0230	92	76 - 121	
Chloromethane	1	0.025	0.0264	106	61.5 - 129	
cis-1,2-Dichloroethene	1	0.025	0.0261	104	76 - 119	
cis-1,3-Dichloropropene	1	0.025	0.0252	101	78.2 - 120	
Dibromomethane	1	0.025	0.0248	99	79.5 - 118	
Dichlorodifluoromethane	1	0.025	0.0258	103	54.8 - 135	
Di-isopropyl ether	1	0.025	0.0266	106	65.6 - 132	
Ethylbenzene	1	0.025	0.0240	96	78.8 - 122	
Hexachloro-1,3-butadiene	1	0.025	0.0213	85.2	64.7 - 129	
Isopropylbenzene	1	0.025	0.0241	96.4	78.6 - 132	
Methyl tert-butyl ether	1	0.025	0.0243	97.1	71.2 - 126	
Methylene Chloride	1	0.025	0.0229	91.7	70.3 - 120	
Naphthalene	1	0.025	0.0215	85.9	68.4 - 128	
n-Butylbenzene	1	0.025	0.0219	87.4	76.2 - 126	
n-Propylbenzene	1	0.025	0.0237	94.7	78.2 - 122	
p-Isopropyltoluene	1	0.025	0.0231	92.6	74 - 131	
sec-Butylbenzene	1	0.025	0.0234	93.6	74.4 - 127	
Styrene	1	0.025	0.0246	98.5	80.4 - 126	
tert-Butylbenzene	1	0.025	0.0234	93.6	75.3 - 126	
Tetrachloroethene	1	0.025	0.0232	92.9	72.6 - 126	
Toluene	1	0.025	0.0247	98.8	79.7 - 116	
trans-1,2-Dichloroethene	1	0.025	0.0241	96.4	72.6 - 121	
trans-1,3-Dichloropropene	1	0.025	0.0252	101	74.3 - 123	
Trichloroethene	1	0.025	0.0254	101	77.7 - 118	
Trichlorofluoromethane	1	0.025	0.0220	88.1	63.5 - 135	
Vinyl chloride	1	0.025	0.0239	95.7	65.9 - 128	
Xylenes, Total	1	0.075	0.0711	94.8	78.7 - 121	

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	% RPD	Control Limits	RPD Qual
1,1,1,2-Tetrachloroethane	1	0.025	0.0233	93.1	0.0238	95.3	74.2 - 124		2.32	20	
1,1,1-Trichloroethane	1	0.025	0.0233	93	0.0237	94.9	73.2 - 123		2	20	
1,1,2,2-Tetrachloroethane	1	0.025	0.0236	94.5	0.0244	97.7	70.7 - 122		3.36	20	
1,1,2-Trichloroethane	1	0.025	0.0242	96.7	0.0252	101	77.7 - 118		4.2	20	
1,1,2-Trichlorotrifluoroethane	1	0.025	0.0218	87.2	0.0219	87.6	67.2 - 143		0.38	20	
1,1-Dichloroethane	1	0.025	0.0252	101	0.0256	102	70.7 - 126		1.3	20	
1,1-Dichloroethene	1	0.025	0.0209	83.5	0.0209	83.7	67.8 - 129		0.25	20	
1,1-Dichloropropene	1	0.025	0.0242	96.7	0.0247	98.9	73.1 - 125		2.26	20	
1,2,3-Trichlorobenzene	1	0.025	0.0197	78.9	0.0199	79.7	64.9 - 135		1.08	20	
1,2,3-Trichloropropane	1	0.025	0.0226	90.4	0.0230	92.2	71.8 - 121		1.95	20	
1,2,3-Trimethylbenzene	1	0.025	0.0215	85.9	0.0217	86.6	72.3 - 116		0.89	20	
1,2,4-Trichlorobenzene	1	0.025	0.0206	82.6	0.0206	82.2	69.7 - 136		0.41	20	
1,2,4-Trimethylbenzene	1	0.025	0.0232	92.8	0.0230	92	75 - 123		0.86	20	
1,2-Dibromo-3-Chloropropane	1	0.025	0.0196	78.3	0.0210	84.2	65.4 - 128		7.28	20	
1,2-Dibromoethane	1	0.025	0.0229	91.7	0.0240	95.9	76.6 - 121		4.45	20	
1,2-Dichlorobenzene	1	0.025	0.0228	91.1	0.0229	91.5	78.4 - 117		0.46	20	
1,2-Dichloroethane	1	0.025	0.0235	94	0.0246	98.5	68.8 - 124		4.64	20	
1,2-Dichloropropane	1	0.025	0.0257	103	0.0262	105	76.5 - 119		2.1	20	
1,3,5-Trimethylbenzene	1	0.025	0.0237	94.7	0.0231	92.5	75.6 - 124		2.35	20	
1,3-Dichlorobenzene	1	0.025	0.0234	93.5	0.0231	92.4	70.8 - 128		1.19	20	
1,3-Dichloropropane	1	0.025	0.0234	93.5	0.0246	98.5	77.4 - 117		5.22	20	
1,4-Dichlorobenzene	1	0.025	0.0220	87.9	0.0223	89.2	78.8 - 115		1.45	20	
2,2-Dichloropropane	1	0.025	0.0206	82.6	0.0209	83.8	62.4 - 133		1.43	20	
2-Butanone (MEK)	1	0.125	0.1222	97.7	0.1395	112	55 - 149		13.2	20	
2-Chloroethyl vinyl ether	1	0.125	0.1287	103	0.1374	110	43.8 - 150		6.51	20	
2-Chlorotoluene	1	0.025	0.0235	93.9	0.0231	92.2	74.7 - 122		1.8	20	
4-Chlorotoluene	1	0.025	0.0240	95.8	0.0239	95.5	77.5 - 120		0.31	20	
4-Methyl-2-pentanone (MIBK)	1	0.125	0.1210	96.8	0.1325	106	70.5 - 133		9.11	20	
Acetone	1	0.125	0.1113	89.1	0.1243	99.5	35.6 - 163		11.1	23.9	
Acrolein	1	0.125	0.0905	72.4	0.1012	81	10 - 190		11.2	28.1	
Acrylonitrile	1	0.125	0.1344	107	0.1441	115	55.2 - 130		6.95	20	
Benzene	1	0.025	0.0254	102	0.0259	103	74.8 - 121		1.91	20	
Bromobenzene	1	0.025	0.0241	96.4	0.0242	96.8	77.5 - 116		0.45	20	
Bromodichloromethane	1	0.025	0.0235	94	0.0240	96.1	75.1 - 116		2.19	20	
Bromoform	1	0.025	0.0216	86.6	0.0222	88.8	67.5 - 130		2.57	20	
Bromomethane	1	0.025	0.0252	101	0.0257	103	49.9 - 162		2.06	20	

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	% RPD	Control Limits	RPD Qual
Carbon tetrachloride	1	0.025	0.0226	90.2	0.0228	91.3	70.2 - 123		1.22	20	
Chlorobenzene	1	0.025	0.0242	96.9	0.0242	96.8	78.1 - 119		0.09	20	
Chlorodibromomethane	1	0.025	0.0220	87.9	0.0231	92.5	74 - 121		5.01	20	
Chloroethane	1	0.025	0.0245	98	0.0246	98.6	61.7 - 135		0.55	20	
Chloroform	1	0.025	0.0225	90.2	0.0230	92	76 - 121		2.01	20	
Chloromethane	1	0.025	0.0267	107	0.0264	106	61.5 - 129		1.27	20	
cis-1,2-Dichloroethene	1	0.025	0.0262	105	0.0261	104	76 - 119		0.26	20	
cis-1,3-Dichloropropene	1	0.025	0.0246	98.2	0.0252	101	78.2 - 120		2.68	20	
Dibromomethane	1	0.025	0.0237	94.9	0.0248	99	79.5 - 118		4.24	20	
Dichlorodifluoromethane	1	0.025	0.0262	105	0.0258	103	54.8 - 135		1.48	20	
Di-isopropyl ether	1	0.025	0.0262	105	0.0266	106	65.6 - 132		1.51	20	
Ethylbenzene	1	0.025	0.0241	96.3	0.0240	96	78.8 - 122		0.34	20	
Hexachloro-1,3-butadiene	1	0.025	0.0214	85.5	0.0213	85.2	64.7 - 129		0.37	20	
Isopropylbenzene	1	0.025	0.0239	95.7	0.0241	96.4	78.6 - 132		0.78	20	
Methyl tert-butyl ether	1	0.025	0.0232	93	0.0243	97.1	71.2 - 126		4.31	20	
Methylene Chloride	1	0.025	0.0226	90.3	0.0229	91.7	70.3 - 120		1.51	20	
Naphthalene	1	0.025	0.0205	81.8	0.0215	85.9	68.4 - 128		4.88	20	
n-Butylbenzene	1	0.025	0.0219	87.7	0.0219	87.4	76.2 - 126		0.32	20	
n-Propylbenzene	1	0.025	0.0240	95.9	0.0237	94.7	78.2 - 122		1.27	20	
p-Isopropyltoluene	1	0.025	0.0236	94.3	0.0231	92.6	74 - 131		1.83	20	
sec-Butylbenzene	1	0.025	0.0238	95.3	0.0234	93.6	74.4 - 127		1.8	20	
Styrene	1	0.025	0.0245	98.1	0.0246	98.5	80.4 - 126		0.35	20	
tert-Butylbenzene	1	0.025	0.0237	95	0.0234	93.6	75.3 - 126		1.45	20	
Tetrachloroethene	1	0.025	0.0228	91.1	0.0232	92.9	72.6 - 126		1.97	20	
Toluene	1	0.025	0.0239	95.7	0.0247	98.8	79.7 - 116		3.21	20	
trans-1,2-Dichloroethene	1	0.025	0.0239	95.8	0.0241	96.4	72.6 - 121		0.68	20	
trans-1,3-Dichloropropene	1	0.025	0.0246	98.5	0.0252	101	74.3 - 123		2.31	20	
Trichloroethene	1	0.025	0.0248	99	0.0254	101	77.7 - 118		2.48	20	
Trichlorofluoromethane	1	0.025	0.0217	86.6	0.0220	88.1	63.5 - 135		1.65	20	
Vinyl chloride	1	0.025	0.0241	96.4	0.0239	95.7	65.9 - 128		0.76	20	
Xylenes, Total	1	0.075	0.0715	95.4	0.0711	94.8	78.7 - 121		0.54	20	

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Matrix Spike / Matrix Spike Duplicate

L712424-05

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD Qual
1,1,1,2-Tetrachloroethane	1	0.025	0.0	0.0205	81.9	0.0192	77	64 - 128		6.17	20	
1,1,1-Trichloroethane	1	0.025	0.0	0.0234	93.6	0.0226	90.3	58.7 - 134		3.54	20	
1,1,2,2-Tetrachloroethane	1	0.025	0.0	0.0223	89.3	0.0211	84.4	56 - 132		5.68	22.2	
1,1,2-Trichloroethane	1	0.025	0.0	0.0211	84.2	0.0203	81.4	66.3 - 125		3.42	20	
1,1,2-Trichlorotrifluoroethane	1	0.025	0.0	0.0227	90.7	0.0228	91.2	54.8 - 154		0.59	22.5	
1,1-Dichloroethane	1	0.025	0.0	0.0240	96	0.0234	93.5	58.5 - 132		2.66	20	
1,1-Dichloroethene	1	0.025	0.0	0.0208	83.4	0.0210	83.9	51.1 - 140		0.66	20.2	
1,1-Dichloropropene	1	0.025	0.0	0.0238	95.3	0.0237	94.8	57.3 - 136		0.57	20	
1,2,3-Trichlorobenzene	1	0.025	0.0	0.0185	73.8	0.0180	71.8	59.1 - 138		2.74	23.7	
1,2,3-Trichloropropane	1	0.025	0.0	0.0213	85.4	0.0201	80.2	61.4 - 128		6.23	22.4	
1,2,3-Trimethylbenzene	1	0.025	0.0	0.0195	77.8	0.0183	73.4	61.3 - 122		5.89	20	
1,2,4-Trichlorobenzene	1	0.025	0.0	0.0202	80.8	0.0193	77.4	63.6 - 143		4.28	21.9	
1,2,4-Trimethylbenzene	1	0.025	0.0	0.0219	87.5	0.0204	81.4	57.4 - 137		7.23	20	
1,2-Dibromo-3-Chloropropane	1	0.025	0.0	0.0186	74.3	0.0181	72.6	57.3 - 136		2.31	27	
1,2-Dibromoethane	1	0.025	0.0	0.0202	80.8	0.0194	77.5	67.1 - 125		4.17	20	
1,2-Dichlorobenzene	1	0.025	0.0	0.0205	82	0.0193	77.2	68.2 - 123		5.96	20	
1,2-Dichloroethane	1	0.025	0.0	0.0215	86.1	0.0205	82.2	60 - 126		4.62	20	
1,2-Dichloropropane	1	0.025	0.0	0.0233	93.3	0.0220	88.1	64.2 - 123		5.78	20	
1,3,5-Trimethylbenzene	1	0.025	0.0	0.0220	88.1	0.0209	83.6	63.6 - 132		5.23	20.5	
1,3-Dichlorobenzene	1	0.025	0.0	0.0219	87.4	0.0201	80.6	63.1 - 131		8.15	20	
1,3-Dichloropropane	1	0.025	0.0	0.0203	81.1	0.0192	76.9	67.9 - 121		5.29	20	
1,4-Dichlorobenzene	1	0.025	0.0	0.0205	82	0.0194	77.7	68.6 - 123		5.37	20	
2,2-Dichloropropane	1	0.025	0.0	0.0215	85.9	0.0213	85.2	50.5 - 144		0.77	21.9	
2-Butanone (MEK)	1	0.125	0.0007	0.1176	93.6	0.1159	92.2	22.4 - 138		1.42	27	
2-Chloroethyl vinyl ether	1	0.125	0.0	0.0348	27.9	0.0074	5.93	10 - 155	J6	129.8	20	J3
2-Chlorotoluene	1	0.025	0.0	0.0216	86.5	0.0205	82.2	63.6 - 128		5.17	20	
4-Chlorotoluene	1	0.025	0.0	0.0223	89.4	0.0210	83.8	65.7 - 127		6.42	20	
4-Methyl-2-pentanone (MIBK)	1	0.125	0.0	0.1191	95.3	0.1147	91.7	60.8 - 140		3.77	25.1	
Acetone	1	0.125	0.0027	0.1036	80.7	0.1032	80.4	10 - 130		0.35	27.9	
Acrolein	1	0.125	0.0	0.1007	80.5	0.0934	74.7	10 - 200		7.52	27.7	
Acrylonitrile	1	0.125	0.0	0.1313	105	0.1271	102	49.4 - 133		3.23	25.3	
Benzene	1	0.025	0.0	0.0238	95.2	0.0230	92	54.3 - 133		3.44	20	
Bromobenzene	1	0.025	0.0	0.0218	87.4	0.0204	81.6	63.9 - 124		6.83	20	
Bromodichloromethane	1	0.025	0.0	0.0218	87	0.0198	79.1	63.9 - 121		9.46	20	
Bromoform	1	0.025	0.0	0.0194	77.7	0.0180	72	59.5 - 134		7.6	20.5	
Bromomethane	1	0.025	0.0	0.0244	97.7	0.0226	90.6	41.7 - 155		7.56	21.9	

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Matrix Spike / Matrix Spike Duplicate

L712424-05

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD Qual
Carbon tetrachloride	1	0.025	0.0	0.0226	90.3	0.0224	89.7	55.7 - 134		0.67	20	
Chlorobenzene	1	0.025	0.0	0.0215	86	0.0205	81.9	67 - 125		4.9	20	
Chlorodibromomethane	1	0.025	0.0	0.0190	76.1	0.0179	71.8	64.3 - 125		5.92	20.8	
Chloroethane	1	0.025	0.0	0.0243	97.1	0.0228	91	51.5 - 136		6.4	40	
Chloroform	1	0.025	0.0005	0.0216	84.5	0.0208	81.1	63 - 129		4.04	20	
Chloromethane	1	0.025	0.0	0.0260	104	0.0255	102	42.4 - 135		2.21	20	
cis-1,2-Dichloroethene	1	0.025	0.0	0.0241	96.3	0.0232	92.9	59.2 - 129		3.56	20	
cis-1,3-Dichloropropene	1	0.025	0.0	0.0219	87.5	0.0205	82.1	66.4 - 125		6.32	20	
Dibromomethane	1	0.025	0.0	0.0217	87	0.0204	81.6	68.2 - 124		6.33	20	
Dichlorodifluoromethane	1	0.025	0.0	0.0270	108	0.0271	109	40.6 - 144		0.56	20.2	
Di-isopropyl ether	1	0.025	0.0	0.0242	96.7	0.0225	90.1	56.9 - 136		7.03	20	
Ethylbenzene	1	0.025	0.0	0.0218	87.1	0.0209	83.8	61.4 - 133		3.86	20	
Hexachloro-1,3-butadiene	1	0.025	0.0	0.0207	82.7	0.0207	82.8	55.1 - 136		0.08	23.6	
Isopropylbenzene	1	0.025	0.0	0.0225	90.1	0.0218	87.3	66.8 - 141		3.21	20	
Methyl tert-butyl ether	1	0.025	0.0	0.0223	89.3	0.0206	82.5	57.7 - 134		7.98	20	
Methylene Chloride	1	0.025	0.0005	0.0212	83	0.0200	78.2	58.1 - 122		5.76	20	
Naphthalene	1	0.025	0.0	0.0187	75	0.0186	74.5	58 - 135		0.57	25.5	
n-Butylbenzene	1	0.025	0.0	0.0223	89.1	0.0217	86.8	62.7 - 140		2.56	20.3	
n-Propylbenzene	1	0.025	0.0	0.0231	92.2	0.0221	88.4	65.9 - 131		4.27	20	
p-Isopropyltoluene	1	0.025	0.0	0.0228	91.2	0.0216	86.5	63.2 - 139		5.25	20.4	
sec-Butylbenzene	1	0.025	0.0	0.0229	91.4	0.0220	88	62.2 - 136		3.83	20.3	
Styrene	1	0.025	0.0	0.0221	88.4	0.0206	82.4	66.8 - 133		7.07	20	
tert-Butylbenzene	1	0.025	0.0	0.0221	88.5	0.0213	85.1	63.3 - 134		3.98	21	
Tetrachloroethene	1	0.025	0.0	0.0213	85.4	0.0211	84.6	53 - 139		0.95	20	
Toluene	1	0.025	0.0	0.0227	90.8	0.0216	86.5	61.4 - 130		4.78	20	
trans-1,2-Dichloroethene	1	0.025	0.0	0.0233	93.1	0.0227	90.7	56.5 - 129		2.59	20	
trans-1,3-Dichloropropene	1	0.025	0.0	0.0220	88	0.0205	82	64.1 - 128		6.97	20	
Trichloroethene	1	0.025	0.0087	0.0298	84.6	0.0291	81.6	44.1 - 149		2.58	20	
Trichlorofluoromethane	1	0.025	0.0	0.0225	90	0.0213	85.4	49.6 - 145		5.27	21.2	
Vinyl chloride	1	0.025	0.0	0.0243	97.1	0.0240	96.2	47.8 - 137		0.89	20	
Xylenes, Total	1	0.075	0.0	0.0656	87.5	0.0625	83.4	63.3 - 131		4.8	20	

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Internal Standard Response and Retention Time Summary

File ID: 0729_02a
Analyzed: 07/29/14 154800

	IS4		IS2		IS3		IS1	
	Response	**RT**	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**
12 Hr. Std	316444	7.81	605095	4.24	116334	5.40	338201	3.92
Upper Limit	633000	8.31	1210000	4.74	233000	5.90	676000	4.42
Lower Limit	158000	7.31	303000	3.74	58200	4.90	169000	3.42
Sample ID	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**
L712424-01	275237	7.81	562483	4.24	107499	5.40	308402	3.92
L712424-08	275212	7.81	562021	4.24	106235	5.40	305014	3.92
L712424-05	262857	7.81	530987	4.24	101662	5.40	288273	3.92
L712424-02	263544	7.81	532367	4.24	101034	5.40	290129	3.91
L712424-03	268670	7.81	533690	4.24	103656	5.40	288457	3.92
L712424-04	275222	7.81	534015	4.24	105525	5.40	294528	3.92
L712424-06	272297	7.81	540268	4.24	102803	5.40	291164	3.92
L712424-07	265252	7.81	525263	4.24	103066	5.40	286174	3.92
MSD WG734030	301679	7.81	590035	4.24	115073	5.40	319554	3.92
MS WG734030	314441	7.81	598910	4.24	117370	5.40	326163	3.92
LCSD WG734030	332999	7.81	678064	4.24	126153	5.40	368419	3.92
LCS WG734030	323564	7.81	649059	4.24	120981	5.40	355779	3.91
BLANK WG734030	281894	7.81	585713	4.24	109166	5.40	321040	3.92

Legend:
IS4 -- 1,4-DICHLOROBENZENE-D4
IS2 -- 1,4-DIFLUOROBENZENE
IS3 -- 2-BROMO-1-CHLOROPROPANE
IS1 -- PENTAFLUOROBENZENE

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	23446543.0053AA	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	7/25/2014	**Analytic Batch:**	**WG734030**
Analysis Date:	7/29/2014	Analyst:	644
Instrument ID:	VOCMS23		
Sample Numbers:	L712424-01, -02, -03, -04, -05, -06, -07, -08		

Surrogate Summary

			BFB		DFM		TD8		TFT	
Laboratory Sample ID	Instrument	File ID	ppm	% Rec	ppm	% Rec	ppm	% Rec	ppm	% Rec
L712424-01	VOCMS23	0729_11A	0.0407	102	0.0401	100	0.0416	104		
L712424-02	VOCMS23	0729_25A	0.0408	102	0.0403	101	0.0410	103		
L712424-03	VOCMS23	0729_26A	0.0404	101	0.0409	102	0.0411	103		
L712424-04	VOCMS23	0729_27A	0.0408	102	0.0411	103	0.0408	102		
L712424-05	VOCMS23	0729_13A	0.0410	103	0.0410	103	0.0405	101		
L712424-06	VOCMS23	0729_28A	0.0416	104	0.0418	104	0.0411	103		
L712424-07	VOCMS23	0729_29A	0.0409	102	0.0415	104	0.0413	103		
L712424-08	VOCMS23	0729_12A	0.0411	103	0.0401	100	0.0415	104		
LCS WG734030	VOCMS23	0729_03a	0.0411	103	0.0385	96.3	0.0413	103	0.0417	104
LCSD WG734030	VOCMS23	0729_04a	0.0401	100	0.0387	96.8	0.0408	102	0.0413	103
MS WG734030	VOCMS23	0729_06a	0.0415	104	0.0405	101	0.0416	104	0.0418	105
MSD WG734030	VOCMS23	0729_07a	0.0404	101	0.0404	101	0.0403	101	0.0406	101
BLANK WG734030	VOCMS23	0729_09a	0.0411	103	0.0393	98.2	0.0408	102	0.0411	103

BFB --4-BROMOFLUOROBENZENE	True Value: 0.04 ppm	Limits: 71 - 126
DFM --DIBROMOFLUOROMETHANE	True Value: 0.04 ppm	Limits: 78.3 - 121
TD8 --TOLUENE-D8	True Value: 0.04 ppm	Limits: 88.50 - 111
TFT --A,A,A-TRIFLUOROTOLUENE	True Value: 0.04 ppm	Limits: 85 - 114

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project No: 23446543.0053AA
Project: Holloman AFB EPA ID: TN00003
Collection Date: 7/25/2014
Instrument ID: VOCMS23

Instrument Performance Summary

FileID: 0729_01a.D Date: 7/29/2014 Time: 3:16 PM

m/e	Ion Abundance Criteria	% Relative Abundance
50	15 - 40% of mass 95	19
75	30 - 60% of mass 95	48
95	100 - 100% of mass 95	100
96	5 - 9% of mass 95	6.6
173	0 - 2% of mass 174	0
174	50 - 150% of mass 95	74.8
175	5 - 9% of mass 174	7.4
176	95 - 101% of mass 174	96.6
177	5 - 9% of mass 176	6.9

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
LCS WG734030	LCS WG734030	0729_03a.D	7/29/2014	4:25 PM
LCSD WG734030	LCSD WG734030	0729_04a.D	7/29/2014	4:45 PM
MS WG734030	MS WG734030	0729_06a.D	7/29/2014	6:28 PM
MSD WG734030	MSD WG734030	0729_07a.D	7/29/2014	6:48 PM
Blank WG734030	Blank WG734030	0729_09a.D	7/29/2014	7:28 PM
H-TU904-FIELDBLANK-BT01	L712424-01	0729_11A.D	7/29/2014	8:18 PM
H-TU904-TRIPBLANK-TT02	L712424-08	0729_12A.D	7/29/2014	8:38 PM
H-TU904-MW03-NT01	L712424-05	0729_13A.D	7/29/2014	8:58 PM
H-TU904-MW01-NT01	L712424-02	0729_25A.D	7/30/2014	12:59 AM
H-TU904-MW02-NT01	L712424-03	0729_26A.D	7/30/2014	1:19 AM
H-TU904-MW02-DT01	L712424-04	0729_27A.D	7/30/2014	1:39 AM
H-TU904-MW04-NT01	L712424-06	0729_28A.D	7/30/2014	1:59 AM
H-TU904-MW07-NT01	L712424-07	0729_29A.D	7/30/2014	2:19 AM

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project: Holloman AFB
Instrument ID: VOCMS23
Method Name : V823G11N.M

Relative Response Factor Summary

Compound Name	Level .25	Level .5	Level 1	Level 2	Level 5.0	Level 10	Level 25	Level 40	Level 75	Average RRF	%RSD
PROPENE				0.227	0.243	0.256	0.231	0.212	0.221	0.227	7.17
DICHLORODIFLUOROMETHANE	0.620	0.549	0.600	0.636	0.682	0.750	0.717	0.641	0.673	0.650	8.43
CHLOROMETHANE	1.117	1.355	1.163	1.134	1.085	1.158	1.114	0.997	1.074	1.115	8.63
VINYL CHLORIDE	1.165	1.235	1.187	1.160	1.212	1.282	1.222	1.095	1.170	1.179	4.70
1,3-BUTADIENE		1.076	1.136	0.948	0.985	1.029	0.971	0.854	0.899	0.960	10.31
BROMOMETHANE	0.591	0.674	0.583	0.630	0.607	0.719	0.677	0.588	0.621	0.614	9.76
CHLOROETHANE		0.179	0.214	0.207	0.216	0.237	0.225	0.203	0.213	0.207	9.69
TRICHLOROFLUOROMETHANE	0.973	1.211	1.020	1.023	0.984	1.110	1.062	0.945	1.000	1.021	8.01
DICHLOROFLUOROMETHANE	1.171	1.698	1.402	1.493	1.449	1.637	1.550	1.377	1.488	1.462	9.62
ETHYL ETHER	0.696	0.781	0.727	0.736	0.743	0.771	0.762	0.692	0.745	0.733	4.21
ACROLEIN	0.161	0.158	0.119	0.125	0.123	0.127	0.125	0.115	0.126	0.129	12.01
1,1-DICHLOROETHENE	1.391	1.575	1.508	1.405	1.526	1.553	1.490	1.346	1.423	1.449	5.84
1,1,2-TRICHLOROTRIFLUOROETHANE	0.771	0.901	0.822	0.793	0.823	0.858	0.831	0.748	0.792	0.805	5.89
ACETONE				0.234	0.211	0.207	0.198	0.182	0.193	0.197	10.01
IODOMETHANE	1.219	1.460	1.396	1.392	1.413	1.517	1.464	1.327	1.397	1.381	6.46
CARBON DISULFIDE		4.284	3.586	3.280	3.293	3.495	3.304	2.970	3.170	3.346	11.49
METHYLENE CHLORIDE				1.235	1.027	0.981	0.901	0.808	0.856	0.934	15.43
ACRYLONITRILE	0.191	0.257	0.240	0.253	0.253	0.270	0.267	0.244	0.269	0.250	8.74
n-Hexane	0.911	1.078	0.838	0.823	0.826	0.878	0.843	0.774	0.812	0.852	9.93
TRANS-1,2-DICHLOROETHENE	0.752	0.985	0.814	0.800	0.819	0.876	0.831	0.761	0.812	0.821	7.77
METHYL TERT-BUTYL ETHER	2.170	2.297	2.088	2.174	2.188	2.331	2.266	2.043	2.218	2.184	4.05
1,1-DICHLOROETHANE	1.456	1.719	1.590	1.553	1.605	1.666	1.605	1.462	1.561	1.568	5.15
VINYL ACETATE	1.379	1.706	1.654	1.638	1.668	1.800	1.786	1.583	1.699	1.622	9.55
DI-ISOPROPYL ETHER	2.522	2.907	2.879	2.819	2.899	3.053	3.003	2.730	2.952	2.857	5.02
2,2-Dichloropropane	1.010	0.971	0.905	0.936	0.898	0.958	0.863	0.775	0.790	0.868	11.90
CIS-1,2-DICHLOROETHENE	0.731	0.795	0.867	0.807	0.860	0.906	0.872	0.798	0.854	0.832	5.74
2-BUTANONE (MEK)	0.302	0.319	0.319	0.315	0.320	0.336	0.335	0.314	0.334	0.320	3.43

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project: Holloman AFB
Instrument ID: VOCMS23
Method Name : V823G11N.M

Relative Response Factor Summary

Compound Name	Level .25	Level .5	Level 1	Level 2	Level 5.0	Level 10	Level 25	Level 40	Level 75	Average RRF	%RSD
BROMOCHLOROMETHANE	0.554	0.563	0.506	0.511	0.493	0.521	0.503	0.462	0.500	0.507	5.88
TETRAHYDROFURAN			0.316	0.265	0.241	0.253	0.240	0.220	0.236	0.246	12.42
CHLOROFORM				1.917	1.623	1.552	1.455	1.315	1.390	1.492	13.63
DIBROMOFLUOROMETHANE	0.554	0.557	0.550	0.562	0.557	0.572	0.574	0.571	0.592	0.569	2.53
1,1,1-TRICHLOROETHANE	1.054	1.206	1.034	1.037	1.050	1.178	1.125	1.010	1.071	1.075	6.10
CARBON TETRACHLORIDE	1.043	1.100	1.101	1.076	1.142	1.214	1.157	1.052	1.103	1.103	4.58
1,1-Dichloropropene	1.111	1.289	1.176	1.132	1.223	1.266	1.216	1.111	1.177	1.180	5.17
2,2,4-TRIMETHYLPENTANE	3.485	4.130	3.729	3.588	3.709	4.003	3.863	3.488	3.650	3.719	5.88
HEPTANE	1.358	1.511	1.522	1.428	1.656	1.678	1.728	1.583	1.655	1.582	7.23
BENZENE	3.132	3.521	3.198	3.110	3.319	3.404	3.337	3.051	3.233	3.235	4.48
1,2-DICHLOROETHANE	0.910	1.001	1.019	0.963	1.010	1.062	1.046	0.959	1.014	0.994	4.37
TRICHLOROETHENE	0.379	0.459	0.427	0.421	0.437	0.473	0.453	0.416	0.436	0.432	5.75
1,2-DICHLOROPROPANE	0.286	0.378	0.368	0.339	0.353	0.367	0.359	0.326	0.344	0.344	7.36
DIBROMOMETHANE	0.205	0.324	0.251	0.236	0.251	0.266	0.261	0.235	0.252	0.251	11.54
BROMODICHLOROMETHANE	0.505	0.664	0.624	0.576	0.584	0.631	0.612	0.561	0.587	0.591	7.04
a,a,a-Trifluorotoluene	0.560	0.561	0.554	0.560	0.543	0.555	0.554	0.538	0.542	0.547	2.39
2-CHLOROETHYL VINYL ETHER	0.174	0.185	0.184	0.178	0.189	0.199	0.195	0.183	0.195	0.188	4.24
CIS-1,3-DICHLOROPROPENE	0.736	0.775	0.766	0.712	0.763	0.799	0.785	0.724	0.760	0.756	3.41
4-METHYL-2-PENTANONE (MIBK)	0.181	0.180	0.158	0.158	0.162	0.173	0.174	0.159	0.172	0.168	5.11
TOLUENE-D8	1.299	1.274	1.282	1.286	1.284	1.295	1.285	1.284	1.275	1.281	1.05
TOLUENE	2.225	2.057	1.886	1.750	1.870	1.945	1.907	1.746	1.822	1.891	7.61
TRANS-1,3-DICHLOROPROPENE	0.132	0.145	0.144	0.141	0.152	0.163	0.161	0.151	0.164	0.153	7.68
1,1,2-TRICHLOROETHANE	1.630	1.790	2.031	1.856	1.951	2.003	2.020	1.879	1.989	1.927	6.65
TETRACHLOROETHENE	1.577	1.801	1.792	1.644	1.790	1.905	1.852	1.712	1.825	1.792	6.30
1,3-Dichloropropane	4.365	4.186	3.923	3.728	3.742	3.791	3.857	3.563	3.743	3.862	5.88
2-HEXANONE	0.905	0.918	0.829	0.842	0.859	0.933	0.928	0.864	0.931	0.896	4.38
CHLORODIBROMOMETHANE	2.273	2.334	2.196	2.174	2.255	2.290	2.282	2.177	2.286	2.268	2.86
1,2-DIBROMOETHANE	2.216	2.223	2.109	1.933	2.018	2.053	2.071	1.931	2.022	2.060	4.64
CHLOROBENZENE	6.265	6.738	6.362	6.274	6.693	6.878	6.806	6.336	6.734	6.646	4.51

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project: Holloman AFB
Instrument ID: VOCMS23
Method Name : V823G11N.M

Relative Response Factor Summary

Compound Name	Level .25	Level .5	Level 1	Level 2	Level 5.0	Level 10	Level 25	Level 40	Level 75	Average RRF	%RSD
1,1,1,2-TETRACHLOROETHANE	1.832	2.278	1.995	2.196	2.155	2.295	2.280	2.082	2.239	2.174	6.94
ETHYLBENZENE	3.256	3.556	3.655	3.473	3.614	3.801	3.791	3.541	3.760	3.670	6.03
M&P-XYLENE	3.884	4.428	4.040	4.217	4.439	4.695	4.645	4.314	4.586	4.440	6.91
O-XYLENE	4.980	4.420	4.539	4.393	4.358	4.510	4.510	4.142	4.432	4.495	4.67
STYRENE	6.241	6.391	6.304	6.354	6.798	7.224	7.287	6.748	7.212	6.869	7.34
Bromoform	1.088	1.330	1.290	1.301	1.394	1.436	1.473	1.347	1.473	1.376	9.06
Isopropylbenzene	9.53	11.26	10.46	10.54	11.05	11.97	11.77	10.87	11.48	11.13	6.69
4-BROMOFLUOROBENZENE	2.549	2.597	2.525	2.585	2.553	2.622	2.688	2.652	2.731	2.645	3.77
Bromobenzene	4.373	5.111	4.414	4.676	4.873	5.126	5.194	4.759	5.183	4.962	7.69
1,1,2,2-TETRACHLOROETHANE	2.308	3.056	2.376	2.656	2.640	2.826	2.810	2.534	2.777	2.689	8.11
1,2,3-TRICHLOROPROPANE	0.571	0.952	0.595	0.732	0.767	0.790	0.779	0.711	0.785	0.751	13.72
TRANS-1,4-DICHLORO-2-BUTENE	0.727	0.728	0.660	0.725	0.691	0.765	0.773	0.710	0.811	0.747	7.00
n-Propylbenzene	11.66	13.97	11.88	12.27	12.82	13.73	13.77	12.59	13.62	13.13	7.04
4-ETHYLTOLUENE	9.63	10.89	9.46	9.75	10.20	10.96	11.03	10.02	10.90	10.50	6.81
2-Chlorotoluene	2.511	2.825	2.572	2.477	2.532	2.751	2.730	2.509	2.729	2.674	6.18
4-Chlorotoluene	6.997	7.581	7.485	7.048	7.605	8.173	8.227	7.477	8.133	7.783	6.91
1,3,5-Trimethylbenzene	7.98	9.02	8.27	8.39	8.95	9.65	9.71	8.93	9.67	9.16	8.24
tert-Butylbenzene	7.121	7.816	7.020	7.305	7.668	8.044	8.169	7.501	8.041	7.761	6.25
1,2,4-Trimethylbenzene	7.78	9.45	8.36	8.39	8.73	9.54	9.53	8.68	9.43	9.05	7.76
sec-Butylbenzene	10.88	12.28	11.07	11.31	11.85	12.81	12.85	11.80	12.53	12.11	6.42
1,3-DICHLOROBENZENE	4.015	4.955	4.313	4.376	4.556	4.879	4.935	4.466	4.931	4.707	8.34
p-Isopropyltoluene	8.37	9.60	8.69	8.88	9.40	10.15	10.45	9.53	10.31	9.73	8.93
DICYCLOPENTADIENE	8.53	11.10	10.47	10.56	11.05	12.15	12.38	11.21	12.17	11.32	10.61
1,4-DICHLOROBENZENE	1.944	2.049	1.912	1.823	1.948	1.977	1.931	1.756	1.862	1.904	4.24
1,2,3-TRIMETHYLBENZENE	4.317	4.374	3.923	3.692	3.908	3.924	3.847	3.529	3.633	3.852	7.31
1,2-DICHLOROBENZENE	1.530	1.803	1.737	1.723	1.805	1.820	1.779	1.618	1.681	1.711	5.27
n-Butylbenzene	3.157	4.094	3.509	3.365	3.665	3.811	3.691	3.344	3.415	3.529	7.50
1,2-Dibromo-3-chloropropane		0.184	0.192	0.196	0.205	0.212	0.208	0.188	0.200	0.196	4.96
1,2,4-Trichlorobenzene	1.184	1.293	1.152	1.118	1.204	1.231	1.144	1.037	1.100	1.150	6.37

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project: Holloman AFB
Instrument ID: VOCMS23
Method Name : V823G11N.M

Relative Response Factor Summary

Compound Name	Level .25	Level .5	Level 1	Level 2	Level 5.0	Level 10	Level 25	Level 40	Level 75	Average RRF	%RSD
HEXACHLORO-1,3-BUTADIENE	0.516	0.651	0.650	0.648	0.671	0.687	0.647	0.594	0.600	0.626	7.49
Naphthalene	3.126	3.015	2.819	2.673	2.840	2.879	2.738	2.504	2.673	2.763	7.12
1,2,3-Trichlorobenzene	1.100	1.130	1.123	1.067	1.147	1.128	1.053	0.956	1.013	1.065	6.15
1-Methylnaphthalene	1.482	1.654	1.462	1.438	1.507	1.513	1.457	1.341	1.449	1.465	5.52
2-Methylnaphthalene	1.260	1.286	1.205	1.141	1.215	1.234	1.203	1.096	1.184	1.188	5.39
ETHANOL										0.007	9.67
Bromoethane										0.605	7.48
2-PROPANOL										0.044	10.79
Methyl Acetate										0.540	3.50
ACETONITRILE										0.078	5.86
ALLYL CHLORIDE										0.406	4.83
tert-BUTYL ALCOHOL										0.086	8.66
chloroprene										1.214	5.80
ETHYL TERT-BUTYL ETHER										2.372	4.73
PROPIONITRILE										0.098	3.42
Ethyl Acetate										0.606	2.69
METHACRYLONITRILE										0.287	2.81
Cyclohexane										1.025	6.31
tert-butyl formate										0.678	2.27
ISOBUTANOL										0.046	4.90
t-Amyl Alcohol										0.068	10.17
TERT-AMYL METHYL ETHER										2.084	4.96
N-BUTANOL										0.014	4.51
Methyl Cyclohexane										0.793	18.95
2-nitropropane										0.128	3.18
METHYL METHACRYLATE										0.358	2.98
n-octane										0.340	9.04
3,3-DIMETHYL-1-BUTANOL										0.042	5.76

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project: Holloman AFB
Instrument ID: VOCMS23
Method Name : V823G11N.M

Relative Response Factor Summary

Compound Name	Level .25	Level .5	Level 1	Level 2	Level 5.0	Level 10	Level 25	Level 40	Level 75	Average RRF	%RSD
ETHYL METHACRYLATE										2.895	3.30
CIS-1,4-DICHLORO-2-BUTENE										0.784	4.93
Cyclohexanone										0.493	14.19
PENTACHLOROETHANE										1.323	5.08
Hexachloroethane										1.827	4.12

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project No: 23446543.0053AA
Project: Holloman AFB EPA ID: TN00003
Collection Date: 7/25/2014
Instrument ID: VOCMS23

Method Name : V823G11N.M Date : 7/29/2014
FileName : 0729_02a.D Time : 3:48 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
Dichlorodifluoromethane	0.6500	0.7698	18.4	
Chloromethane	1.1150	1.3133	17.8	>0.1
Vinyl chloride	1.1790	1.2531	6.28	
Bromomethane	0.6140	0.6924	12.8	
Chloroethane	0.2070	0.2228	7.65	
Trichlorofluoromethane	1.0210	0.9890	3.14	
Acrolein	0.1290	0.1070	17.1	
1,1-Dichloroethene	1.4490	1.2143	16.2	
1,1,2-Trichlorotrifluoroethane	0.8050	0.7117	11.6	
Acetone	0.1970	0.1886	4.26	
Methylene Chloride	0.9340	0.8816	5.61	
Acrylonitrile	0.2500	0.2746	9.85	
trans-1,2-Dichloroethene	0.8210	0.8175	0.42	
Methyl tert-butyl ether	2.1840	2.0819	4.68	
1,1-Dichloroethane	1.5680	1.6049	2.35	>0.1
Di-isopropyl ether	2.8570	3.0456	6.6	
2,2-Dichloropropane	0.8680	0.7894	9.06	
cis-1,2-Dichloroethene	0.8320	0.8855	6.42	
2-Butanone (MEK)	0.3200	0.3335	4.21	
Chloroform	1.4920	1.3745	7.88	
1,1,1-Trichloroethane	1.0750	1.0685	0.61	
Carbon tetrachloride	1.1030	1.0406	5.65	
1,1-Dichloropropene	1.1800	1.1907	0.91	
Benzene	3.2350	3.3380	3.18	
1,2-Dichloroethane	0.9940	0.9447	4.96	
Trichloroethene	0.4320	0.4470	3.48	
1,2-Dichloropropane	0.3440	0.3639	5.8	
Dibromomethane	0.2510	0.2452	2.29	
Bromodichloromethane	0.5910	0.5699	3.57	
2-Chloroethyl vinyl ether	0.1880	0.2105	12	
cis-1,3-Dichloropropene	0.7560	0.7780	2.92	

*** - calibrated by linear regression*

12065 Lebanon Rd
Mt. Juliet, TN 37122
(615) 758-5858
(800) 767-5859
Fax (615) 758-5859
Tax I.D 62-0814289
Est. 1970

Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project No: 23446543.0053AA
Project: Holloman AFB EPA ID: TN00003
Collection Date: 7/25/2014
Instrument ID: VOCMS23

Method Name : V823G11N.M Date : 7/29/2014
FileName : 0729_02a.D Time : 3:48 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
4-Methyl-2-pentanone (MIBK)	0.1680	0.1680	0.02	
Toluene	1.8910	1.9067	0.83	
trans-1,3-Dichloropropene	0.1530	0.1555	1.64	
1,1,2-Trichloroethane	1.9270	1.9036	1.21	
Tetrachloroethene	1.7920	1.7240	3.79	
1,3-Dichloropropane	3.8620	3.6151	6.39	
Chlorodibromomethane	2.2680	2.0124	11.3	
1,2-Dibromoethane	2.0600	1.9233	6.64	
Chlorobenzene	6.6460	6.5796	1	>0.3
1,1,1,2-Tetrachloroethane	2.1740	2.0451	5.93	
Ethylbenzene	3.6700	3.6132	1.55	
m&p-Xylene	4.4400	4.5151	1.69	
o-Xylene	4.4950	4.3393	3.46	
Styrene	6.8690	7.0102	2.06	
Bromoform	1.3760	1.2283	10.7	>0.1
Isopropylbenzene	11.1300	11.3711	2.17	
Bromobenzene	4.9620	5.0725	2.23	
1,1,2,2-Tetrachloroethane	2.6890	2.6737	0.57	>0.3
1,2,3-Trichloropropane	0.7510	0.6985	6.99	
n-Propylbenzene	13.1300	13.6730	4.14	
2-Chlorotoluene	2.6740	2.6610	0.49	
4-Chlorotoluene	7.7830	8.0626	3.59	
1,3,5-Trimethylbenzene	9.1600	9.2393	0.87	
tert-Butylbenzene	7.7610	7.8192	0.75	
1,2,4-Trimethylbenzene	9.0500	9.1681	1.31	
sec-Butylbenzene	12.1100	12.4202	2.56	
1,3-Dichlorobenzene	4.7070	4.7696	1.33	
p-Isopropyltoluene	9.7300	10.0696	3.49	
1,4-Dichlorobenzene	1.9040	1.8044	5.23	
1,2,3-Trimethylbenzene	3.8520	3.4332	10.9	
1,2-Dichlorobenzene	1.7110	1.6101	5.9	

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L712424
URS Corporation -Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project No: 23446543.0053AA
Project: Holloman AFB EPA ID: TN00003
Collection Date: 7/25/2014
Instrument ID: VOCMS23

Method Name : V823G11N.M Date : 7/29/2014
FileName : 0729_02a.D Time : 3:48 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D
n-Butylbenzene	3.5290	3.5088	0.57
1,2-Dibromo-3-Chloropropane	0.1960	0.1569	19.9
1,2,4-Trichlorobenzene	1.1500	1.0795	6.13
Hexachloro-1,3-butadiene	0.6260	0.5864	6.33
Naphthalene	2.7630	2.2667	18
1,2,3-Trichlorobenzene	1.0650	0.9010	15.4

*** - calibrated by linear regression*

Raw Data

Sample Run Raw Data Package

Instrument ID	: VOCMS23	Instrument #	: 1
Computer	: VOCCOMPAK	Run ID	: 072914a

Data Released By: Amy Green

Amy Green

01-AUG-2014 03:20:03 PM

Date

Analyst Comments:

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

Instrument ID : VOCMS23
Computer Name : VOCCOMPAK
Released By : Amy Green
Date Released : 8/1/2014 3:20:06 PM
Run ID : 072914a
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
1	0729_01a	INSTBLK	V823G11N						1	1	07/29/14 1516	"water IS/SURR14F17495"
2	0729_01aT	INSTBLK								1	07/29/14 1516	
3	0729_02a	ICV VMS 25 PPB 14G29933	V823G11N						1	1	07/29/14 1548	"water IS/SURR14F17495"
4	0729_03a	LCS	V823G11N	WG734030	V8260AZ	GW			1	1	07/29/14 1625	"water IS/SURR14F17495/spk14G29935"
5	0729_04a	LCSD	V823G11N	WG734030	V8260AZ	GW			1	1	07/29/14 1645	"water IS/SURR14F17495/spk14G29935"
6	0729_05a	1PPB	V823G11N						1	1	07/29/14 1706	"water IS/SURR14F17495"
7	0729_06a	MS	V823G11N	WG734030	V8260AZ	GW			1	1	07/29/14 1828	"water IS/SURR14F17495/spk14G29935"
8	0729_07a	MSD	V823G11N	WG734030	V8260AZ	GW			1	1	07/29/14 1848	"water IS/SURR14F17495/spk14G29935"
9	0729_08a	INSTBLK	V823G11N						1	1	07/29/14 1908	"water IS/SURR14F17495"
10	0729_09a	BLANK	V823G11N	WG734030	V8260AZ	GW			1	1	07/29/14 1928	"water IS/SURR14F17495"
11	0729_10A	L712407-11	V823G11N	WG734030	V8260	GW	RAYTHEWMA	CO	1	1	07/29/14 1958	"water IS/SURR14F17495"
12	0729_11A	L712424-01	V823G11N	WG734030	V8260	GW	URSTAZ	AZ	1	1	07/29/14 2018	"water IS/SURR14F17495"
13	0729_12A	L712424-08 (TB)	V823G11N	WG734030	V8260	GW	URSTAZ	AZ	1	1	07/29/14 2038	"water IS/SURR14F17495"
14	0729_13A	L712424-05	V823G11N	WG734030	V8260	GW	URSTAZ	AZ	1	1	07/29/14 2058	"water IS/SURR14F17495"
15	0729_14A	L712334-01	V823G11N	WG734030	V8260AZ	GW	BROCAPAZ	AZ	1	1	07/29/14 2118	"water IS/SURR14F17495"
16	0729_15A	L712334-02	V823G11N	WG734030	V8260AZ	GW	BROCAPAZ	AZ	1	1	07/29/14 2138	"water IS/SURR14F17495"
17	0729_16A	L712334-03	V823G11N	WG734030	V8260AZ	GW	BROCAPAZ	AZ	1	1	07/29/14 2158	"water IS/SURR14F17495"
18	0729_17A	L712334-04	V823G11N	WG734030	V8260AZ	GW	BROCAPAZ	AZ	1	1	07/29/14 2218	"water IS/SURR14F17495"
19	0729_18A	L712334-05	V823G11N	WG734030	V8260AZ	GW	BROCAPAZ	AZ	1	1	07/29/14 2237	"water IS/SURR14F17495"
20	0729_19A	L712334-06	V823G11N	WG734030	V8260AZ	GW	BROCAPAZ	AZ	1	1	07/29/14 2258	"water IS/SURR14F17495"
21	0729_20A	L712334-07	V823G11N	WG734030	V8260AZ	GW	BROCAPAZ	AZ	10	10	07/29/14 2318	"water IS/SURR14F17495"
22	0729_21A	DNR L712334-08	V823G11N	WG734030					25	25	07/29/14 2338	"water IS/SURR14F17495"

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

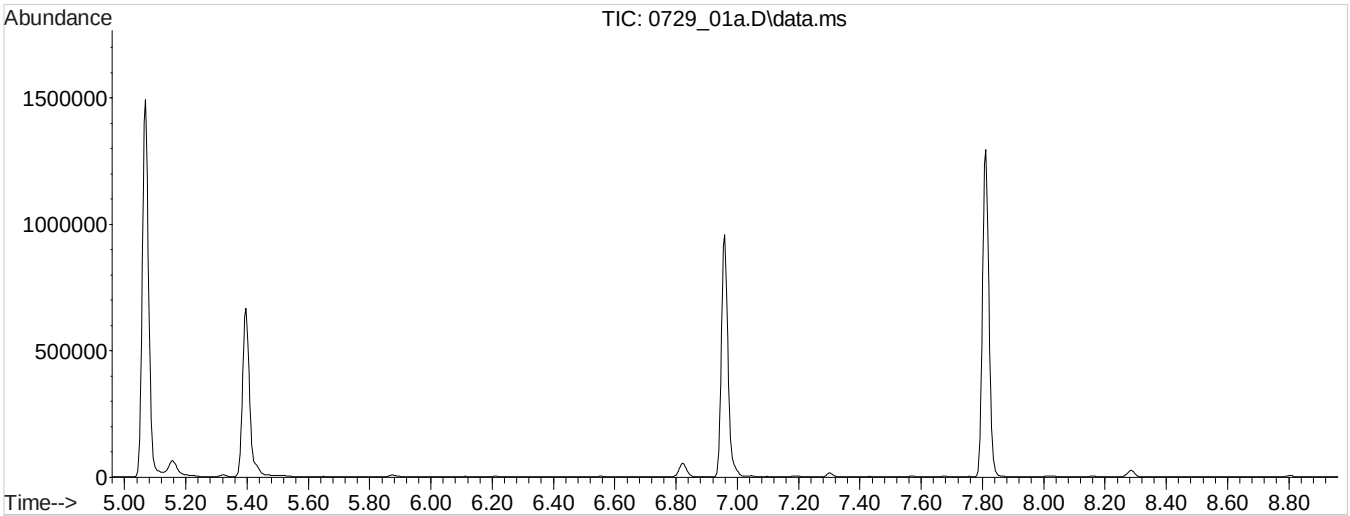
Instrument ID : VOCMS23
Computer Name : VOCCOMPAK
Released By : Amy Green
Date Released : 8/1/2014 3:20:07 PM
Run ID : 072914a
Signature : _____

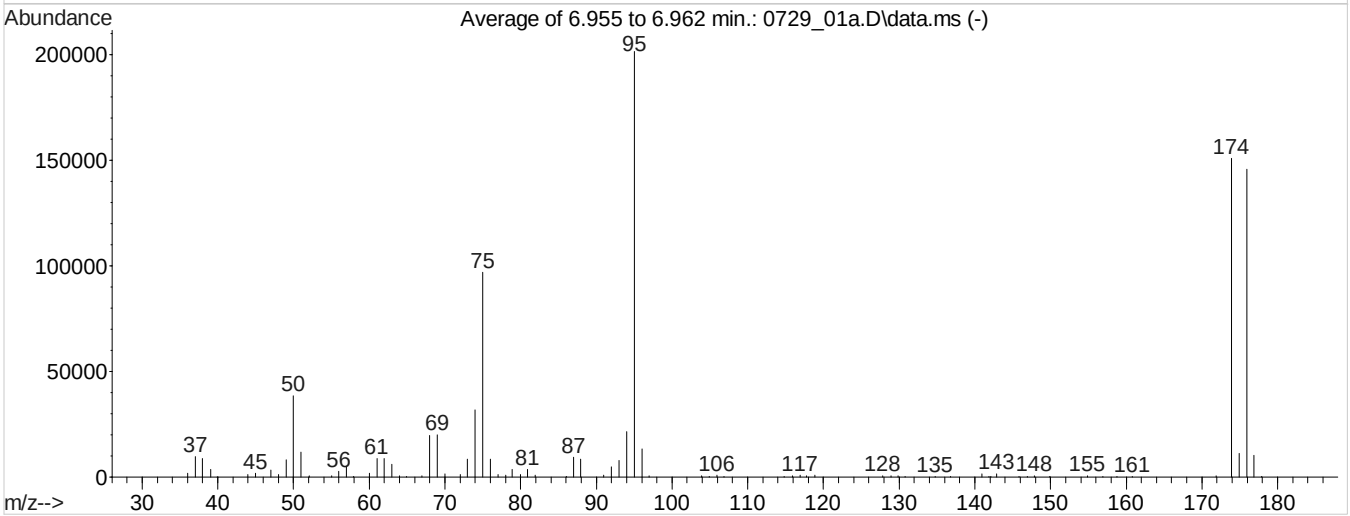
#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
23	0729_22A	DNR L712334-09	V823G11N	WG734030					25	25	07/29/14 2358	"water IS/SURR14F17495"
24	0729_23A	L712414-03	V823G11N	WG734030	V8260	GW	VERTITX	TX	5	5	07/30/14 0019	"water IS/SURR14F17495"
25	0729_24A	L712418-01	V823G11N	WG734030	V8260	GW	VERTITX	TX	25	25	07/30/14 0039	"water IS/SURR14F17495"
26	0729_25A	L712424-02	V823G11N	WG734030	V8260	GW	URSTAZ	AZ	1	1	07/30/14 0059	"water IS/SURR14F17495"
27	0729_26A	L712424-03	V823G11N	WG734030	V8260	GW	URSTAZ	AZ	1	1	07/30/14 0119	"water IS/SURR14F17495"
28	0729_27A	L712424-04	V823G11N	WG734030	V8260	GW	URSTAZ	AZ	1	1	07/30/14 0139	"water IS/SURR14F17495"
29	0729_28A	L712424-06	V823G11N	WG734030	V8260	GW	URSTAZ	AZ	1	1	07/30/14 0159	"water IS/SURR14F17495"
30	0729_29A	L712424-07	V823G11N	WG734030	V8260	GW	URSTAZ	AZ	1	1	07/30/14 0219	"water IS/SURR14F17495"

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 01a.D
Acq On : 29 Jul 2014 3:16 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\V823G11N.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
Last Update : Sat Jul 12 17:12:36 2014





AutoFind: Scans 2135, 2136, 2137; Background Corrected with Scan 2123

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	38352	PASS
75	95	30	60	48.0	96696	PASS
95	95	100	100	100.0	201451	PASS
96	95	5	9	6.6	13255	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	74.8	150784	PASS
175	174	5	9	7.4	11211	PASS
176	174	95	101	96.6	145707	PASS
177	176	5	9	6.9	10124	PASS

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 02a.D
Acq On : 29 Jul 2014 3:48 pm
Operator : 644
Sample : ICV VMS 25 ppb 14G29933
Misc : water IS/SURR14F17495
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:11 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	338201	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	605095	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	116334	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.810	152	316444	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	338201	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	605095	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	116334	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.810	152	316444	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	187213	38.9017628 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 97.25%		
46) a,a,a-Trifluorotoluene	4.608	146	347806	42.0138152 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 105.03%		
50) TOLUENE-D8	5.068	98	802699	41.4299464 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 103.57%		
68) 4-BROMOFLUOROBENZENE	6.958	95	320090	41.6036813 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 104.01%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	7911126	No Calib	
3) PROPENE	1.415	41	6838	3.5653499 ppb #	85
4) DICHLORODIFLUOROMETHANE	1.467	85	162709	29.6212069 ppb	99
5) CHLOROMETHANE	1.592	50	277608	29.4587012 ppb	99
6) VINYL CHLORIDE	1.660	62	264874	26.5622374 ppb	100
7) 1,3-BUTADIENE	1.669	39	119855	14.7596575 ppb	96
8) BROMOMETHANE	1.885	94	146351	28.1745962 ppb	98
9) CHLOROETHANE	1.975	66	47103	26.9670129 ppb	98
10) TRICHLOROFLUOROMETHANE	2.065	101	209045	24.2244173 ppb	99
11) DICHLOROFLUOROMETHANE	2.090	67	317879	25.7091429 ppb	100
12) ETHYL ETHER	2.229	59	137777	22.2232084 ppb	99
13) ACROLEIN	2.550	56	113047	103.5411181 ppb	99
14) 1,1-DICHLOROETHENE	2.360	61	256675	20.9566689 ppb	95
15) 1,1,2-TRICHLOROTRIFLUO...	2.396	101	150442	22.1014264 ppb	97
16) ACETONE	2.714	43	199330	119.4183658 ppb	95
17) IODOMETHANE	2.454	142	1358800	116.4128588 ppb	98
18) CARBON DISULFIDE	2.389	76	532486	18.8195608 ppb	98
19) METHYLENE CHLORIDE	2.695	84	186358	23.5977803 ppb	98
20) ACRYLONITRILE	3.155	53	290257	137.1875580 ppb	96
21) n-Hexane	2.827	56	169934	23.5957828 ppb	94
22) TRANS-1,2-DICHLOROETHENE	2.788	96	172803	24.8840814 ppb	99
23) METHYL TERT-BUTYL ETHER	2.840	73	440060	23.8281095 ppb	100
24) 1,1-DICHLOROETHANE	3.132	63	339229	25.5865886 ppb	100
25) VINYL ACETATE	3.248	43	1724555	125.7624526 ppb	99
26) DI-ISOPROPYL ETHER	3.039	45	643773	26.6505747 ppb	98
27) 2,2-Dichloropropane	3.492	77	166860	22.7366184 ppb	99
28) CIS-1,2-DICHLOROETHENE	3.431	96	187163	26.5964945 ppb	99
29) 2-BUTANONE (MEK)	3.733	43	352424	130.2633385 ppb	98
30) BROMOCHLOROMETHANE	3.544	130	103397	24.1020400 ppb	95
31) TETRAHYDROFURAN	3.669	42	52007	25.0222434 ppb	95
32) CHLOROFORM	3.573	83	290531	23.0275801 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.701	97	225853	24.8442954 ppb	99
35) CARBON TETRACHLORIDE	3.669	117	219966	23.5796795 ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 02a.D
Acq On : 29 Jul 2014 3:48 pm
Operator : 644
Sample : ICV VMS 25 ppb 14G29933
Misc : water IS/SURR14F17495
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:11 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	251682	25.2183772 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	823154	26.1756378 ppb		98
38) HEPTANE	3.862	43	353282	26.4107893 ppb	#	97
39) BENZENE	3.907	78	705567	25.7991657 ppb		99
40) 1,2-DICHLOROETHANE	4.016	62	199676	23.7637975 ppb		99
42) TRICHLOROETHENE	4.235	130	169063	25.8443894 ppb		99
43) 1,2-DICHLOROPROPANE	4.540	62	137638	26.4163791 ppb		99
44) DIBROMOMETHANE	4.489	93	92747	24.3890263 ppb		97
45) BROMODICHLOROMETHANE	4.569	83	215522	24.0936836 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	398027	139.7684194 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.949	75	294245	25.7395201 ppb		100
49) 4-METHYL-2-PENTANONE (...	5.319	58	317614	125.1084771 ppb		97
51) TOLUENE	5.100	91	721086	25.2093678 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.357	110	58811	25.4214504 ppb		94
54) 1,1,2-TRICHLOROETHANE	5.463	97	138410	24.7012493 ppb		99
55) TETRACHLOROETHENE	5.357	164	125350	24.0518782 ppb		99
56) 1,3-Dichloropropane	5.650	76	262848	23.4035721 ppb		100
57) 2-HEXANONE	5.868	58	320053	122.8851080 ppb		100
58) CHLORODIBROMOMETHANE	5.589	129	146317	22.1864416 ppb		100
59) 1,2-DIBROMOETHANE	5.759	107	139841	23.3378064 ppb		98
60) CHLOROBENZENE	6.106	112	478396	24.7504171 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	148696	23.5191175 ppb		100
62) ETHYLBENZENE	6.110	106	262714	24.6146016 ppb		99
63) M&P-XYLENE	6.209	106	656573	50.8496848 ppb		99
64) O-XYLENE	6.518	106	315507	24.1316841 ppb		99
65) STYRENE	6.553	104	509700	25.5154470 ppb		99
66) Bromoform	6.589	173	89306	22.3177666 ppb		99
67) Isopropylbenzene	6.740	105	826776	25.5406325 ppb		99
69) Bromobenzene	7.042	77	368816	25.5544323 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.093	83	194405	24.8536679 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.206	110	50790	23.2580670 ppb		100
72) TRANS-1,4-DICHLORO-2-B...	7.225	53	53450	24.6020189 ppb		97
73) n-Propylbenzene	7.045	91	994144	26.0328286 ppb		99
74) 4-ETHYLTOLUENE	7.126	105	792638	25.9621840 ppb		100
75) 2-Chlorotoluene	7.174	126	193475	24.8813275 ppb		95
76) 4-Chlorotoluene	7.299	91	586223	25.8988871 ppb		99
77) 1,3,5-Trimethylbenzene	7.187	105	671776	25.2161220 ppb		99
78) tert-Butylbenzene	7.431	119	568523	25.1859197 ppb		98
79) 1,2,4-Trimethylbenzene	7.486	105	666602	25.3218539 ppb		100
80) sec-Butylbenzene	7.569	105	903059	25.6478884 ppb		99
81) 1,3-DICHLOROBENZENE	7.756	146	346790	25.3296778 ppb		99
82) p-Isopropyltoluene	7.675	119	732150	25.8684011 ppb		98
83) DICYCLOPENTADIENE	7.672	66	861920	26.1878092 ppb		99
85) 1,4-DICHLOROBENZENE	7.823	146	356873	23.6890277 ppb		95
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	679008	22.2800828 ppb		99
87) 1,2-DICHLOROBENZENE	8.158	146	318441	23.5190820 ppb		100
88) n-Butylbenzene	8.010	91	693967	24.8567047 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.798	157	31033	19.9979099 ppb		99
90) 1,2,4-Trichlorobenzene	9.357	180	213503	23.4607223 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.328	225	115968	23.3999721 ppb		100
92) Naphthalene	9.627	128	448311	20.5132897 ppb		99
93) 1,2,3-Trichlorobenzene	9.785	180	178205	21.1522925 ppb		99
94) 1-Methylnaphthalene	10.495	142	112916	9.7414316 ppb		99
95) 2-Methylnaphthalene	10.617	142	67330	7.1654885 ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 02a.D
Acq On : 29 Jul 2014 3:48 pm
Operator : 644
Sample : ICV VMS 25 ppb 14G29933
Misc : water IS/SURR14F17495
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:11 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

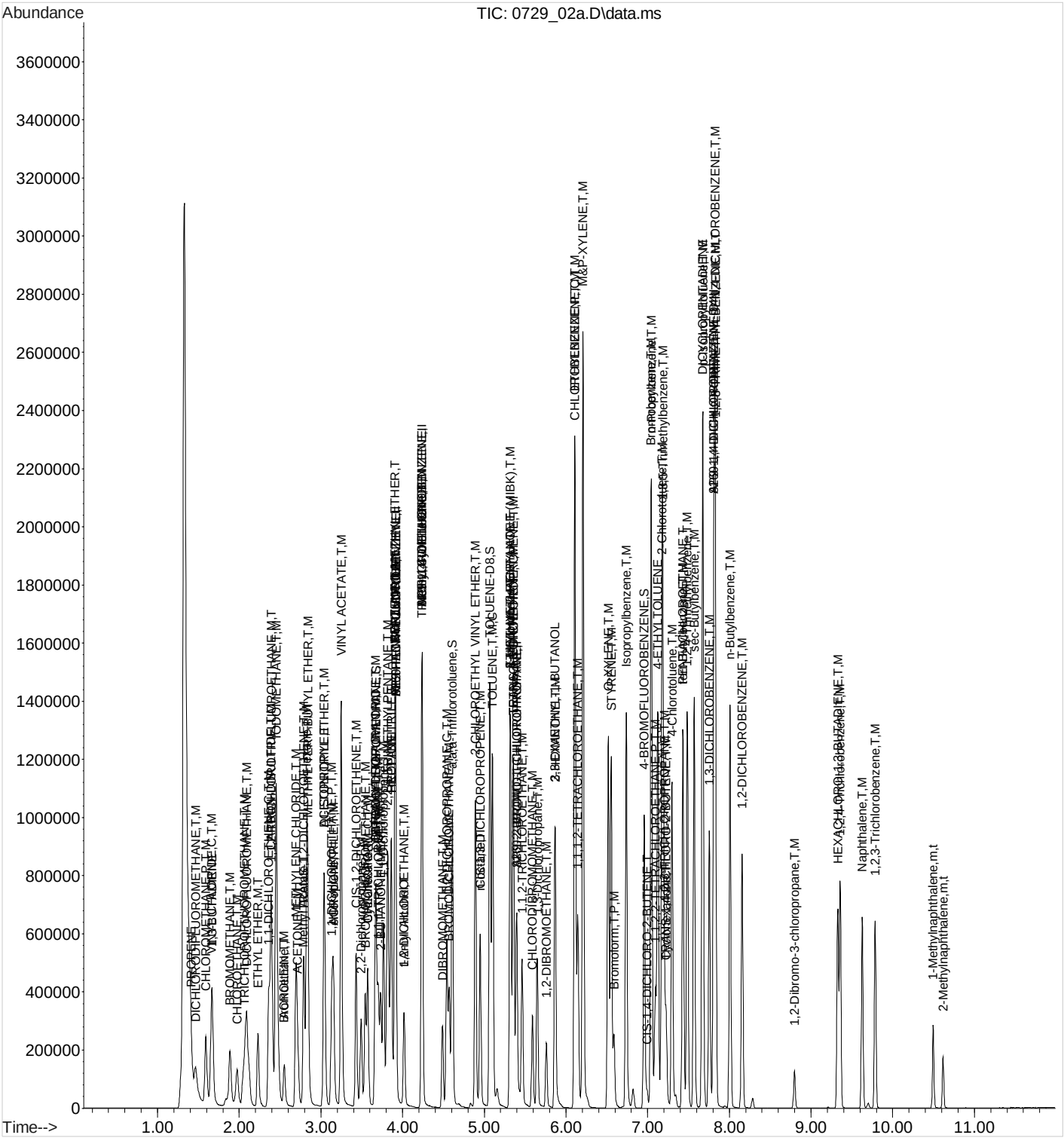
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	2.547	108	2330	0.4557329 ppb		98
99)	2-PROPANOL	0.000		0	N.D.		
100)	Methyl Acetate	2.782	43	10713	2.3450723 ppb	#	99
101)	ACETONITRILE	3.039	41	96899	147.1599203 ppb	#	38
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.		
104)	chloroprene	3.155	53	290257	28.2740810 ppb	#	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
106)	PROPIONITRILE	3.862	54	2870	3.4811109 ppb	#	1
107)	Ethyl Acetate	3.624	43	770	N.D.		
108)	METHACRYLONITRILE	3.917	67	1015	0.4186231 ppb	#	1
109)	Cyclohexane	3.573	84	11014	1.2712272 ppb	#	2
110)	tert-butyl formate	3.814	59	809	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	4.016	59	1024	1.7916599 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.907	73	10799	0.6128831 ppb	#	59
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	4.238	83	10238	0.3033141 ppb	#	49
117)	2-nitropropane	5.319	43	827074	426.3057196 ppb	#	37
118)	METHYL METHACRYLATE	4.701	41	530	N.D.		
119)	1,4-DIOXANE	4.685	88	2967	No Calib	#	
120)	n-octane	4.952	85	3571	0.6939555 ppb	#	24
121)	3,3-DIMETHYL-1-BUTANOL	5.865	57	107803	169.6085845 ppb	#	46
123)	ETHYL METHACRYLATE	5.319	69	5128	0.6089895 ppb	#	1
124)	CIS-1,4-DICHLORO-2-BUTENE	6.994	53	2786	1.2217421 ppb	#	20
125)	Cyclohexanone	7.225	55	913	0.6369301 ppb	#	21
126)	PENTACHLOROETHANE	7.431	117	19826	5.1523778 ppb	#	10
127)	Hexachloroethane	8.138	117	1057	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 02a.D
Acq On : 29 Jul 2014 3:48 pm
Operator : 644
Sample : ICV VMS 25 ppb 14G29933
Misc : water IS/SURR14F17495
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:11 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 02a.D
Acq On : 29 Jul 2014 3:48 pm
Operator : 644
Sample : ICV VMS 25 ppb 14G29933
Misc : water IS/SURR14F17495
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:11 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	338201	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	605095	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	116334	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.810	152	316444	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	338201	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	605095	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	116334	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.810	152	316444	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	187213	38.9017628 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 97.25%		
46) a,a,a-Trifluorotoluene	4.608	146	347806	42.0138152 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 105.03%		
50) TOLUENE-D8	5.068	98	802699	41.4299464 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 103.57%		
68) 4-BROMOFLUOROBENZENE	6.958	95	320090	41.6036813 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 104.01%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	7911126	No Calib	
3) PROPENE	1.415	41	6838	3.5653499 ppb #	85
4) DICHLORODIFLUOROMETHANE	1.467	85	162709	29.6212069 ppb	99
5) CHLOROMETHANE	1.592	50	277608	29.4587012 ppb	99
6) VINYL CHLORIDE	1.660	62	264874	26.5622374 ppb	100
7) 1,3-BUTADIENE	1.669	39	119855	14.7596575 ppb	96
8) BROMOMETHANE	1.885	94	146351	28.1745962 ppb	98
9) CHLOROETHANE	1.975	66	47103	26.9670129 ppb	98
10) TRICHLOROFLUOROMETHANE	2.065	101	209045	24.2244173 ppb	99
11) DICHLOROFLUOROMETHANE	2.090	67	317879	25.7091429 ppb	100
12) ETHYL ETHER	2.229	59	137777	22.2232084 ppb	99
13) ACROLEIN	2.550	56	113047	103.5411181 ppb	99
14) 1,1-DICHLOROETHENE	2.360	61	256675	20.9566689 ppb	95
15) 1,1,2-TRICHLOROTRIFLUO...	2.396	101	150442	22.1014264 ppb	97
16) ACETONE	2.714	43	199330	119.4183658 ppb	95
17) IODOMETHANE	2.454	142	1358800	116.4128588 ppb	98
18) CARBON DISULFIDE	2.389	76	532486	18.8195608 ppb	98
19) METHYLENE CHLORIDE	2.695	84	186358	23.5977803 ppb	98
20) ACRYLONITRILE	3.155	53	290257	137.1875580 ppb	96
21) n-Hexane	2.827	56	169934	23.5957828 ppb	94
22) TRANS-1,2-DICHLOROETHENE	2.788	96	172803	24.8840814 ppb	99
23) METHYL TERT-BUTYL ETHER	2.840	73	440060	23.8281095 ppb	100
24) 1,1-DICHLOROETHANE	3.132	63	339229	25.5865886 ppb	100
25) VINYL ACETATE	3.248	43	1724555	125.7624526 ppb	99
26) DI-ISOPROPYL ETHER	3.039	45	643773	26.6505747 ppb	98
27) 2,2-Dichloropropane	3.492	77	166860	22.7366184 ppb	99
28) CIS-1,2-DICHLOROETHENE	3.431	96	187163	26.5964945 ppb	99
29) 2-BUTANONE (MEK)	3.733	43	352424	130.2633385 ppb	98
30) BROMOCHLOROMETHANE	3.544	130	103397	24.1020400 ppb	95
31) TETRAHYDROFURAN	3.669	42	52007	25.0222434 ppb	95
32) CHLOROFORM	3.573	83	290531	23.0275801 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.701	97	225853	24.8442954 ppb	99
35) CARBON TETRACHLORIDE	3.669	117	219966	23.5796795 ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 02a.D
Acq On : 29 Jul 2014 3:48 pm
Operator : 644
Sample : ICV VMS 25 ppb 14G29933
Misc : water IS/SURR14F17495
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:11 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	251682	25.2183772 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	823154	26.1756378 ppb		98
38) HEPTANE	3.862	43	353282	26.4107893 ppb	#	97
39) BENZENE	3.907	78	705567	25.7991657 ppb		99
40) 1,2-DICHLOROETHANE	4.016	62	199676	23.7637975 ppb		99
42) TRICHLOROETHENE	4.235	130	169063	25.8443894 ppb		99
43) 1,2-DICHLOROPROPANE	4.540	62	137638	26.4163791 ppb		99
44) DIBROMOMETHANE	4.489	93	92747	24.3890263 ppb		97
45) BROMODICHLOROMETHANE	4.569	83	215522	24.0936836 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	398027	139.7684194 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.949	75	294245	25.7395201 ppb		100
49) 4-METHYL-2-PENTANONE (...	5.319	58	317614	125.1084771 ppb		97
51) TOLUENE	5.100	91	721086	25.2093678 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.357	110	58811	25.4214504 ppb		94
54) 1,1,2-TRICHLOROETHANE	5.463	97	138410	24.7012493 ppb		99
55) TETRACHLOROETHENE	5.357	164	125350	24.0518782 ppb		99
56) 1,3-Dichloropropane	5.650	76	262848	23.4035721 ppb		100
57) 2-HEXANONE	5.868	58	320053	122.8851080 ppb		100
58) CHLORODIBROMOMETHANE	5.589	129	146317	22.1864416 ppb		100
59) 1,2-DIBROMOETHANE	5.759	107	139841	23.3378064 ppb		98
60) CHLOROBENZENE	6.106	112	478396	24.7504171 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	148696	23.5191175 ppb		100
62) ETHYLBENZENE	6.110	106	262714	24.6146016 ppb		99
63) M&P-XYLENE	6.209	106	656573	50.8496848 ppb		99
64) O-XYLENE	6.518	106	315507	24.1316841 ppb		99
65) STYRENE	6.553	104	509700	25.5154470 ppb		99
66) Bromoform	6.589	173	89306	22.3177666 ppb		99
67) Isopropylbenzene	6.740	105	826776	25.5406325 ppb		99
69) Bromobenzene	7.042	77	368816	25.5544323 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.093	83	194405	24.8536679 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.206	110	50790	23.2580670 ppb		100
72) TRANS-1,4-DICHLORO-2-B...	7.225	53	53450	24.6020189 ppb		97
73) n-Propylbenzene	7.045	91	994144	26.0328286 ppb		99
74) 4-ETHYLTOLUENE	7.126	105	792638	25.9621840 ppb		100
75) 2-Chlorotoluene	7.174	126	193475	24.8813275 ppb		95
76) 4-Chlorotoluene	7.299	91	586223	25.8988871 ppb		99
77) 1,3,5-Trimethylbenzene	7.187	105	671776	25.2161220 ppb		99
78) tert-Butylbenzene	7.431	119	568523	25.1859197 ppb		98
79) 1,2,4-Trimethylbenzene	7.486	105	666602	25.3218539 ppb		100
80) sec-Butylbenzene	7.569	105	903059	25.6478884 ppb		99
81) 1,3-DICHLOROBENZENE	7.756	146	346790	25.3296778 ppb		99
82) p-Isopropyltoluene	7.675	119	732150	25.8684011 ppb		98
83) DICYCLOPENTADIENE	7.672	66	861920	26.1878092 ppb		99
85) 1,4-DICHLOROBENZENE	7.823	146	356873	23.6890277 ppb		95
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	679008	22.2800828 ppb		99
87) 1,2-DICHLOROBENZENE	8.158	146	318441	23.5190820 ppb		100
88) n-Butylbenzene	8.010	91	693967	24.8567047 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.798	157	31033	19.9979099 ppb		99
90) 1,2,4-Trichlorobenzene	9.357	180	213503	23.4607223 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.328	225	115968	23.3999721 ppb		100
92) Naphthalene	9.627	128	448311	20.5132897 ppb		99
93) 1,2,3-Trichlorobenzene	9.785	180	178205	21.1522925 ppb		99
94) 1-Methylnaphthalene	10.495	142	112916	9.7414316 ppb		99
95) 2-Methylnaphthalene	10.617	142	67330	7.1654885 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 02a.D
Acq On : 29 Jul 2014 3:48 pm
Operator : 644
Sample : ICV VMS 25 ppb 14G29933
Misc : water IS/SURR14F17495
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:11 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

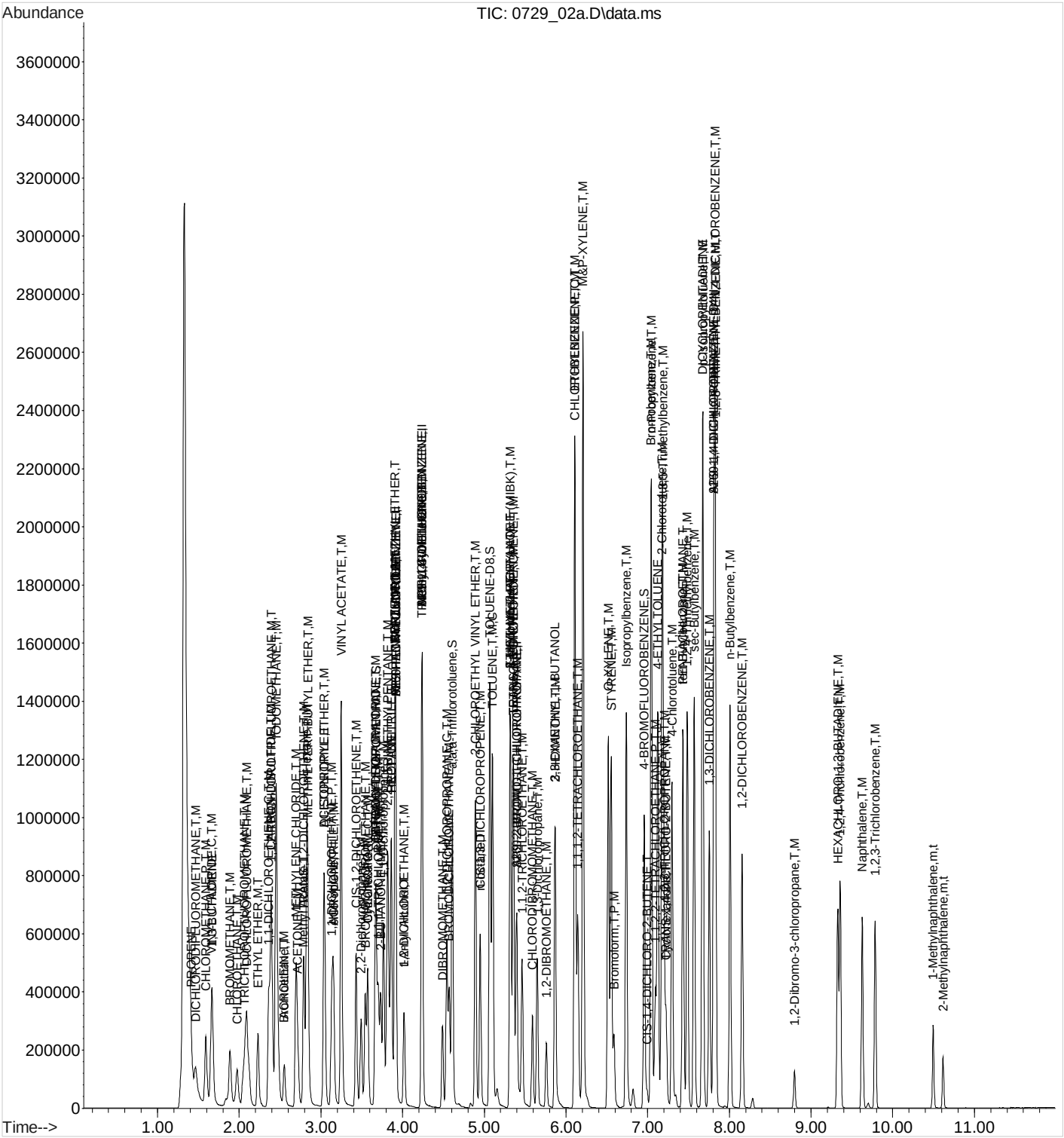
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	2.547	108	2330	0.4557329 ppb		98
99)	2-PROPANOL	0.000		0	N.D.		
100)	Methyl Acetate	2.782	43	10713	2.3450723 ppb	#	99
101)	ACETONITRILE	3.039	41	96899	147.1599203 ppb	#	38
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.		
104)	chloroprene	3.155	53	290257	28.2740810 ppb	#	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
106)	PROPIONITRILE	3.862	54	2870	3.4811109 ppb	#	1
107)	Ethyl Acetate	3.624	43	770	N.D.		
108)	METHACRYLONITRILE	3.917	67	1015	0.4186231 ppb	#	1
109)	Cyclohexane	3.573	84	11014	1.2712272 ppb	#	2
110)	tert-butyl formate	3.814	59	809	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	4.016	59	1024	1.7916599 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.907	73	10799	0.6128831 ppb	#	59
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	4.238	83	10238	0.3033141 ppb	#	49
117)	2-nitropropane	5.319	43	827074	426.3057196 ppb	#	37
118)	METHYL METHACRYLATE	4.701	41	530	N.D.		
119)	1,4-DIOXANE	4.685	88	2967	No Calib	#	
120)	n-octane	4.952	85	3571	0.6939555 ppb	#	24
121)	3,3-DIMETHYL-1-BUTANOL	5.865	57	107803	169.6085845 ppb	#	46
123)	ETHYL METHACRYLATE	5.319	69	5128	0.6089895 ppb	#	1
124)	CIS-1,4-DICHLORO-2-BUTENE	6.994	53	2786	1.2217421 ppb	#	20
125)	Cyclohexanone	7.225	55	913	0.6369301 ppb	#	21
126)	PENTACHLOROETHANE	7.431	117	19826	5.1523778 ppb	#	10
127)	Hexachloroethane	8.138	117	1057	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 02a.D
Acq On : 29 Jul 2014 3:48 pm
Operator : 644
Sample : ICV VMS 25 ppb 14G29933
Misc : water IS/SURR14F17495
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:11 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 03a.D
Acq On : 29 Jul 2014 4:25 pm
Operator : 644
Sample : LCS 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:17 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.913	168	355779	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	649059	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	120981	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.810	152	323564	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.913	168	355779	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	649059	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	120981	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.810	152	323564	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.672	111	194980	38.5139376 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 96.28%		
46) a,a,a-Trifluorotoluene	4.608	146	370276	41.6984588 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 104.25%		
50) TOLUENE-D8	5.068	98	858795	41.3228765 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 103.31%		
68) 4-BROMOFLUOROBENZENE	6.958	95	328967	41.1151122 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 102.79%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	6532663	No Calib	
3) PROPENE	1.415	41	23230	11.5137515 ppb	92
4) DICHLORODIFLUOROMETHANE	1.463	85	151395	26.1997582 ppb	99
5) CHLOROMETHANE	1.589	50	265115	26.7430228 ppb	99
6) VINYL CHLORIDE	1.656	62	252756	24.0946918 ppb	99
7) 1,3-BUTADIENE	1.669	39	152331	17.8321207 ppb	97
8) BROMOMETHANE	1.888	94	137605	25.1820335 ppb	98
9) CHLOROETHANE	1.978	66	45035	24.5091934 ppb	99
10) TRICHLOROFLUOROMETHANE	2.065	101	196645	21.6616254 ppb	99
11) DICHLOROFLUOROMETHANE	2.090	67	309037	23.7591454 ppb	99
12) ETHYL ETHER	2.225	59	145143	22.2546469 ppb	98
13) ACROLEIN	2.550	56	103959	90.5128999 ppb	99
14) 1,1-DICHLOROETHENE	2.357	61	268855	20.8665849 ppb	96
15) 1,1,2-TRICHLOROTRIFLUO...	2.396	101	156160	21.8079872 ppb	98
16) ACETONE	2.714	43	195457	111.3125836 ppb	94
17) IODOMETHANE	2.450	142	1412200	115.0101582 ppb	98
18) CARBON DISULFIDE	2.389	76	556906	18.7101713 ppb	98
19) METHYLENE CHLORIDE	2.692	84	187510	22.5705491 ppb	98
20) ACRYLONITRILE	3.151	53	299071	134.3695627 ppb	96
21) n-Hexane	2.827	56	170094	22.4511030 ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.788	96	174930	23.9457922 ppb	100
23) METHYL TERT-BUTYL ETHER	2.836	73	451655	23.2476518 ppb	99
24) 1,1-DICHLOROETHANE	3.132	63	351918	25.2322206 ppb	100
25) VINYL ACETATE	3.245	43	1232311	85.4257600 ppb	100
26) DI-ISOPROPYL ETHER	3.039	45	665813	26.2011690 ppb	98
27) 2,2-Dichloropropane	3.489	77	159362	20.6420574 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.428	96	193714	26.1673647 ppb	97
29) 2-BUTANONE (MEK)	3.730	43	347676	122.1591545 ppb	99
30) BROMOCHLOROMETHANE	3.540	130	105790	23.4414817 ppb	95
31) TETRAHYDROFURAN	3.669	42	52480	24.0022992 ppb	96
32) CHLOROFORM	3.569	83	299166	22.5404527 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.701	97	222414	23.2572049 ppb	99
35) CARBON TETRACHLORIDE	3.666	117	221322	22.5528538 ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 03a.D
Acq On : 29 Jul 2014 4:25 pm
Operator : 644
Sample : LCS 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:17 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.765	75	253751	24.1694807 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	798375	24.1333542 ppb		98
38) HEPTANE	3.859	43	347902	24.7235809 ppb	#	99
39) BENZENE	3.907	78	730190	25.3803648 ppb		100
40) 1,2-DICHLOROETHANE	4.016	62	207744	23.5024448 ppb		98
42) TRICHLOROETHENE	4.235	130	173669	24.7502389 ppb		99
43) 1,2-DICHLOROPROPANE	4.540	62	143382	25.6548191 ppb		99
44) DIBROMOMETHANE	4.486	93	96772	23.7237695 ppb		99
45) BROMODICHLOROMETHANE	4.569	83	225585	23.5104640 ppb		100
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	393175	128.7128196 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.949	75	301179	24.5615307 ppb		99
49) 4-METHYL-2-PENTANONE (...	5.318	58	329493	120.9964646 ppb		97
51) TOLUENE	5.100	91	733882	23.9188621 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	61102	24.6227511 ppb		92
54) 1,1,2-TRICHLOROETHANE	5.463	97	140937	24.1861066 ppb		97
55) TETRACHLOROETHENE	5.357	164	123372	22.7630658 ppb		99
56) 1,3-Dichloropropane	5.646	76	273018	23.3753566 ppb		100
57) 2-HEXANONE	5.865	58	320112	118.1867523 ppb		99
58) CHLORODIBROMOMETHANE	5.589	129	150794	21.9870223 ppb		99
59) 1,2-DIBROMOETHANE	5.759	107	142913	22.9343660 ppb		97
60) CHLOROBENZENE	6.106	112	486787	24.2171730 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	153050	23.2779408 ppb		100
62) ETHYLBENZENE	6.109	106	267191	24.0724842 ppb		99
63) M&P-XYLENE	6.209	106	649273	48.3528503 ppb		99
64) O-XYLENE	6.518	106	315011	23.1682826 ppb		99
65) STYRENE	6.553	104	509700	24.5353734 ppb		98
66) Bromoform	6.589	173	90050	21.6393047 ppb		98
67) Isopropylbenzene	6.736	105	805380	23.9240179 ppb		100
69) Bromobenzene	7.042	77	361663	24.0962830 ppb		100
70) 1,1,2,2-TETRACHLOROETHANE	7.093	83	192145	23.6211828 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.206	110	51324	22.5998415 ppb		99
72) TRANS-1,4-DICHLORO-2-B...	7.225	53	52531	23.2502805 ppb		94
73) n-Propylbenzene	7.045	91	951967	23.9708508 ppb		99
74) 4-ETHYLTOLUENE	7.122	105	759677	23.9268101 ppb		100
75) 2-Chlorotoluene	7.174	126	189817	23.4732535 ppb		94
76) 4-Chlorotoluene	7.299	91	563831	23.9528222 ppb		100
77) 1,3,5-Trimethylbenzene	7.183	105	655822	23.6716912 ppb		100
78) tert-Butylbenzene	7.431	119	557341	23.7421617 ppb		98
79) 1,2,4-Trimethylbenzene	7.486	105	635001	23.1949151 ppb		99
80) sec-Butylbenzene	7.569	105	872375	23.8247412 ppb		99
81) 1,3-DICHLOROBENZENE	7.756	146	332742	23.3700808 ppb		99
82) p-Isopropyltoluene	7.675	119	693867	23.5741066 ppb		98
83) DICYCLOPENTADIENE	7.672	66	849726	24.8256488 ppb		99
85) 1,4-DICHLOROBENZENE	7.823	146	338554	21.9785058 ppb		88
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	669005	21.4688085 ppb		99
87) 1,2-DICHLOROBENZENE	8.154	146	315203	22.7676601 ppb		99
88) n-Butylbenzene	8.010	91	625786	21.9213475 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.797	157	31050	19.5685713 ppb		99
90) 1,2,4-Trichlorobenzene	9.357	180	192045	20.6384497 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.328	225	108377	21.3870540 ppb		99
92) Naphthalene	9.627	128	457191	20.4592760 ppb		100
93) 1,2,3-Trichlorobenzene	9.785	180	169867	19.7189254 ppb		100
94) 1-Methylnaphthalene	10.495	142	108165	9.1262156 ppb		98
95) 2-Methylnaphthalene	10.617	142	65059	6.7714432 ppb		97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 03a.D
Acq On : 29 Jul 2014 4:25 pm
Operator : 644
Sample : LCS 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:17 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

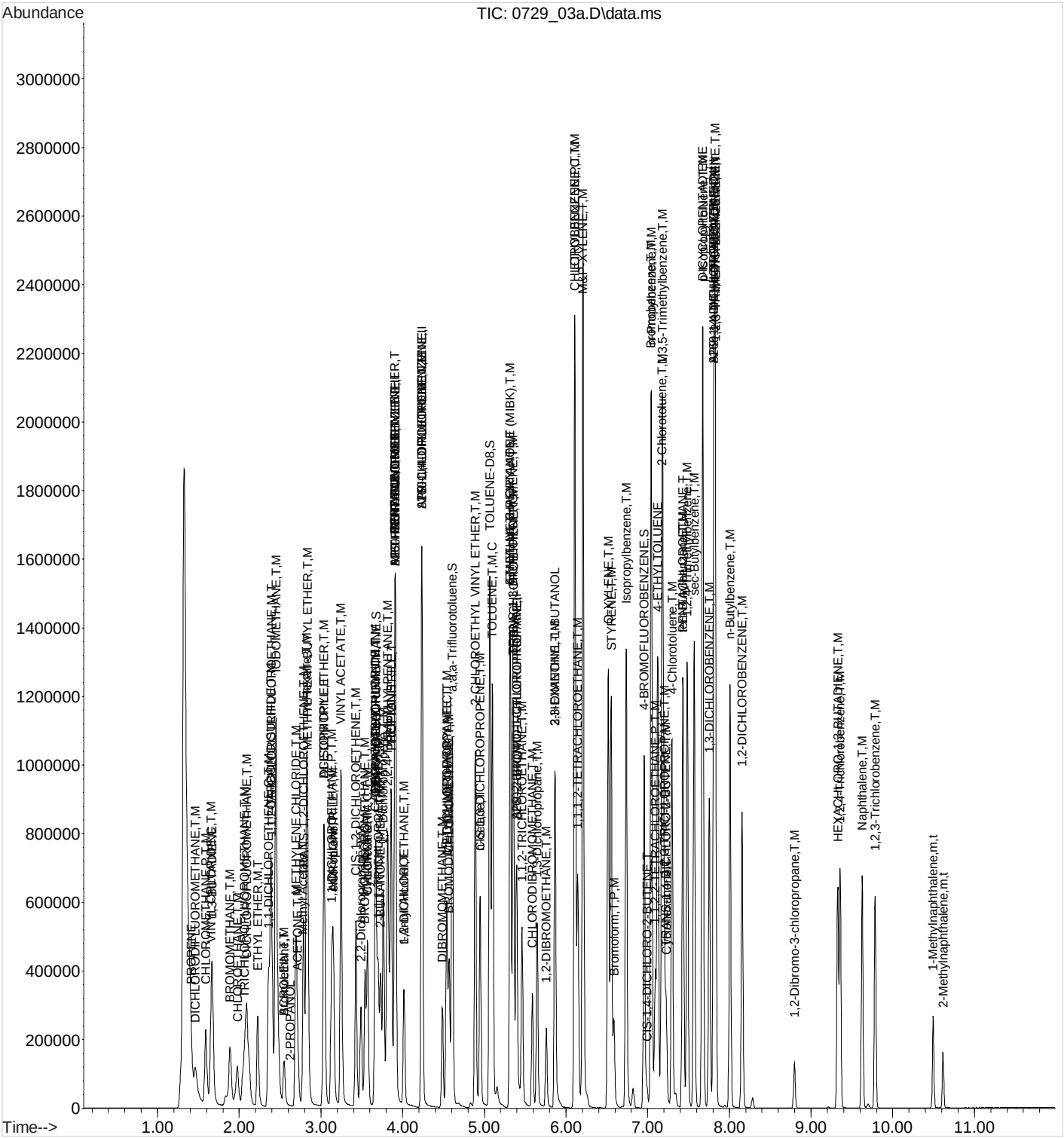
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	2.550	108	2080	0.3867340 ppb		95
99)	2-PROPANOL	2.621	45	575	1.4622018 ppb	#	58
100)	Methyl Acetate	2.778	43	29634	6.1663757 ppb	#	100
101)	ACETONITRILE	3.039	41	99863	144.1681862 ppb	#	39
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.		
104)	chloroprene	3.151	53	299071	27.6932978 ppb	#	25
105)	ETHYL TERT-BUTYL ETHER	3.184	59	761	N.D.		
106)	PROPIONITRILE	3.862	54	2750	3.1707590 ppb	#	1
107)	Ethyl Acetate	3.669	43	9112	1.6893245 ppb	#	79
108)	METHACRYLONITRILE	3.913	67	1218	0.4775282 ppb	#	1
109)	Cyclohexane	3.569	84	11388	1.2494536 ppb	#	2
110)	tert-butyl formate	3.762	59	1019	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	4.016	59	1086	1.8062590 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.907	73	12864	0.6940084 ppb	#	71
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	4.238	83	10797	N.D.		
117)	2-nitropropane	5.248	43	524	N.D.		
118)	METHYL METHACRYLATE	4.540	41	102536	17.6300979 ppb	#	18
119)	1,4-DIOXANE	4.682	88	3459	No Calib	#	
120)	n-octane	4.949	85	3876	0.7022067 ppb	#	21
121)	3,3-DIMETHYL-1-BUTANOL	5.865	57	109272	160.2748071 ppb	#	46
123)	ETHYL METHACRYLATE	5.318	69	5407	0.6174584 ppb	#	1
124)	CIS-1,4-DICHLORO-2-BUTENE	6.994	53	2550	1.0752962 ppb	#	22
125)	Cyclohexanone	7.228	55	1058	0.7097349 ppb	#	21
126)	PENTACHLOROETHANE	7.431	117	18520	4.6281036 ppb	#	10
127)	Hexachloroethane	8.138	117	979	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 03a.D
Acq On : 29 Jul 2014 4:25 pm
Operator : 644
Sample : LCS 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:17 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 03a.D
Acq On : 29 Jul 2014 4:25 pm
Operator : 644
Sample : LCS 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:17 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.913	168	355779	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	649059	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	120981	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.810	152	323564	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.913	168	355779	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	649059	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	120981	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.810	152	323564	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.672	111	194980	38.5139376 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 96.28%		
46) a,a,a-Trifluorotoluene	4.608	146	370276	41.6984588 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 104.25%		
50) TOLUENE-D8	5.068	98	858795	41.3228765 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 103.31%		
68) 4-BROMOFLUOROBENZENE	6.958	95	328967	41.1151122 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 102.79%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	6532663	No Calib	
3) PROPENE	1.415	41	23230	11.5137515 ppb	92
4) DICHLORODIFLUOROMETHANE	1.463	85	151395	26.1997582 ppb	99
5) CHLOROMETHANE	1.589	50	265115	26.7430228 ppb	99
6) VINYL CHLORIDE	1.656	62	252756	24.0946918 ppb	99
7) 1,3-BUTADIENE	1.669	39	152331	17.8321207 ppb	97
8) BROMOMETHANE	1.888	94	137605	25.1820335 ppb	98
9) CHLOROETHANE	1.978	66	45035	24.5091934 ppb	99
10) TRICHLOROFLUOROMETHANE	2.065	101	196645	21.6616254 ppb	99
11) DICHLOROFLUOROMETHANE	2.090	67	309037	23.7591454 ppb	99
12) ETHYL ETHER	2.225	59	145143	22.2546469 ppb	98
13) ACROLEIN	2.550	56	103959	90.5128999 ppb	99
14) 1,1-DICHLOROETHENE	2.357	61	268855	20.8665849 ppb	96
15) 1,1,2-TRICHLOROTRIFLUO...	2.396	101	156160	21.8079872 ppb	98
16) ACETONE	2.714	43	195457	111.3125836 ppb	94
17) IODOMETHANE	2.450	142	1412200	115.0101582 ppb	98
18) CARBON DISULFIDE	2.389	76	556906	18.7101713 ppb	98
19) METHYLENE CHLORIDE	2.692	84	187510	22.5705491 ppb	98
20) ACRYLONITRILE	3.151	53	299071	134.3695627 ppb	96
21) n-Hexane	2.827	56	170094	22.4511030 ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.788	96	174930	23.9457922 ppb	100
23) METHYL TERT-BUTYL ETHER	2.836	73	451655	23.2476518 ppb	99
24) 1,1-DICHLOROETHANE	3.132	63	351918	25.2322206 ppb	100
25) VINYL ACETATE	3.245	43	1232311	85.4257600 ppb	100
26) DI-ISOPROPYL ETHER	3.039	45	665813	26.2011690 ppb	98
27) 2,2-Dichloropropane	3.489	77	159362	20.6420574 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.428	96	193714	26.1673647 ppb	97
29) 2-BUTANONE (MEK)	3.730	43	347676	122.1591545 ppb	99
30) BROMOCHLOROMETHANE	3.540	130	105790	23.4414817 ppb	95
31) TETRAHYDROFURAN	3.669	42	52480	24.0022992 ppb	96
32) CHLOROFORM	3.569	83	299166	22.5404527 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.701	97	222414	23.2572049 ppb	99
35) CARBON TETRACHLORIDE	3.666	117	221322	22.5528538 ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 03a.D
Acq On : 29 Jul 2014 4:25 pm
Operator : 644
Sample : LCS 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:17 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36)	1,1-Dichloropropene	3.765	75	253751	24.1694807 ppb		99
37)	2,2,4-TRIMETHYLPENTANE	3.817	57	798375	24.1333542 ppb		98
38)	HEPTANE	3.859	43	347902	24.7235809 ppb	#	99
39)	BENZENE	3.907	78	730190	25.3803648 ppb		100
40)	1,2-DICHLOROETHANE	4.016	62	207744	23.5024448 ppb		98
42)	TRICHLOROETHENE	4.235	130	173669	24.7502389 ppb		99
43)	1,2-DICHLOROPROPANE	4.540	62	143382	25.6548191 ppb		99
44)	DIBROMOMETHANE	4.486	93	96772	23.7237695 ppb		99
45)	BROMODICHLOROMETHANE	4.569	83	225585	23.5104640 ppb		100
47)	2-CHLOROETHYL VINYL ETHER	4.891	63	393175	128.7128196 ppb		98
48)	CIS-1,3-DICHLOROPROPENE	4.949	75	301179	24.5615307 ppb		99
49)	4-METHYL-2-PENTANONE (...	5.318	58	329493	120.9964646 ppb		97
51)	TOLUENE	5.100	91	733882	23.9188621 ppb		100
52)	TRANS-1,3-DICHLOROPROPENE	5.354	110	61102	24.6227511 ppb		92
54)	1,1,2-TRICHLOROETHANE	5.463	97	140937	24.1861066 ppb		97
55)	TETRACHLOROETHENE	5.357	164	123372	22.7630658 ppb		99
56)	1,3-Dichloropropane	5.646	76	273018	23.3753566 ppb		100
57)	2-HEXANONE	5.865	58	320112	118.1867523 ppb		99
58)	CHLORODIBROMOMETHANE	5.589	129	150794	21.9870223 ppb		99
59)	1,2-DIBROMOETHANE	5.759	107	142913	22.9343660 ppb		97
60)	CHLOROBENZENE	6.106	112	486787	24.2171730 ppb		100
61)	1,1,1,2-TETRACHLOROETHANE	6.145	133	153050	23.2779408 ppb		100
62)	ETHYLBENZENE	6.109	106	267191	24.0724842 ppb		99
63)	M&P-XYLENE	6.209	106	649273	48.3528503 ppb		99
64)	O-XYLENE	6.518	106	315011	23.1682826 ppb		99
65)	STYRENE	6.553	104	509700	24.5353734 ppb		98
66)	Bromoform	6.589	173	90050	21.6393047 ppb		98
67)	Isopropylbenzene	6.736	105	805380	23.9240179 ppb		100
69)	Bromobenzene	7.042	77	361663	24.0962830 ppb		100
70)	1,1,2,2-TETRACHLOROETHANE	7.093	83	192145	23.6211828 ppb		99
71)	1,2,3-TRICHLOROPROPANE	7.206	110	51324	22.5998415 ppb		99
72)	TRANS-1,4-DICHLORO-2-B...	7.225	53	52531	23.2502805 ppb		94
73)	n-Propylbenzene	7.045	91	951967	23.9708508 ppb		99
74)	4-ETHYLTOLUENE	7.122	105	759677	23.9268101 ppb		100
75)	2-Chlorotoluene	7.174	126	189817	23.4732535 ppb		94
76)	4-Chlorotoluene	7.299	91	563831	23.9528222 ppb		100
77)	1,3,5-Trimethylbenzene	7.183	105	655822	23.6716912 ppb		100
78)	tert-Butylbenzene	7.431	119	557341	23.7421617 ppb		98
79)	1,2,4-Trimethylbenzene	7.486	105	635001	23.1949151 ppb		99
80)	sec-Butylbenzene	7.569	105	872375	23.8247412 ppb		99
81)	1,3-DICHLOROBENZENE	7.756	146	332742	23.3700808 ppb		99
82)	p-Isopropyltoluene	7.675	119	693867	23.5741066 ppb		98
83)	DICYCLOPENTADIENE	7.672	66	849726	24.8256488 ppb		99
85)	1,4-DICHLOROBENZENE	7.823	146	338554	21.9785058 ppb		88
86)	1,2,3-TRIMETHYLBENZENE	7.830	105	669005	21.4688085 ppb		99
87)	1,2-DICHLOROBENZENE	8.154	146	315203	22.7676601 ppb		99
88)	n-Butylbenzene	8.010	91	625786	21.9213475 ppb		100
89)	1,2-Dibromo-3-chloropr...	8.797	157	31050	19.5685713 ppb		99
90)	1,2,4-Trichlorobenzene	9.357	180	192045	20.6384497 ppb		99
91)	HEXACHLORO-1,3-BUTADIENE	9.328	225	108377	21.3870540 ppb		99
92)	Naphthalene	9.627	128	457191	20.4592760 ppb		100
93)	1,2,3-Trichlorobenzene	9.785	180	169867	19.7189254 ppb		100
94)	1-Methylnaphthalene	10.495	142	108165	9.1262156 ppb		98
95)	2-Methylnaphthalene	10.617	142	65059	6.7714432 ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 03a.D
Acq On : 29 Jul 2014 4:25 pm
Operator : 644
Sample : LCS 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:17 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

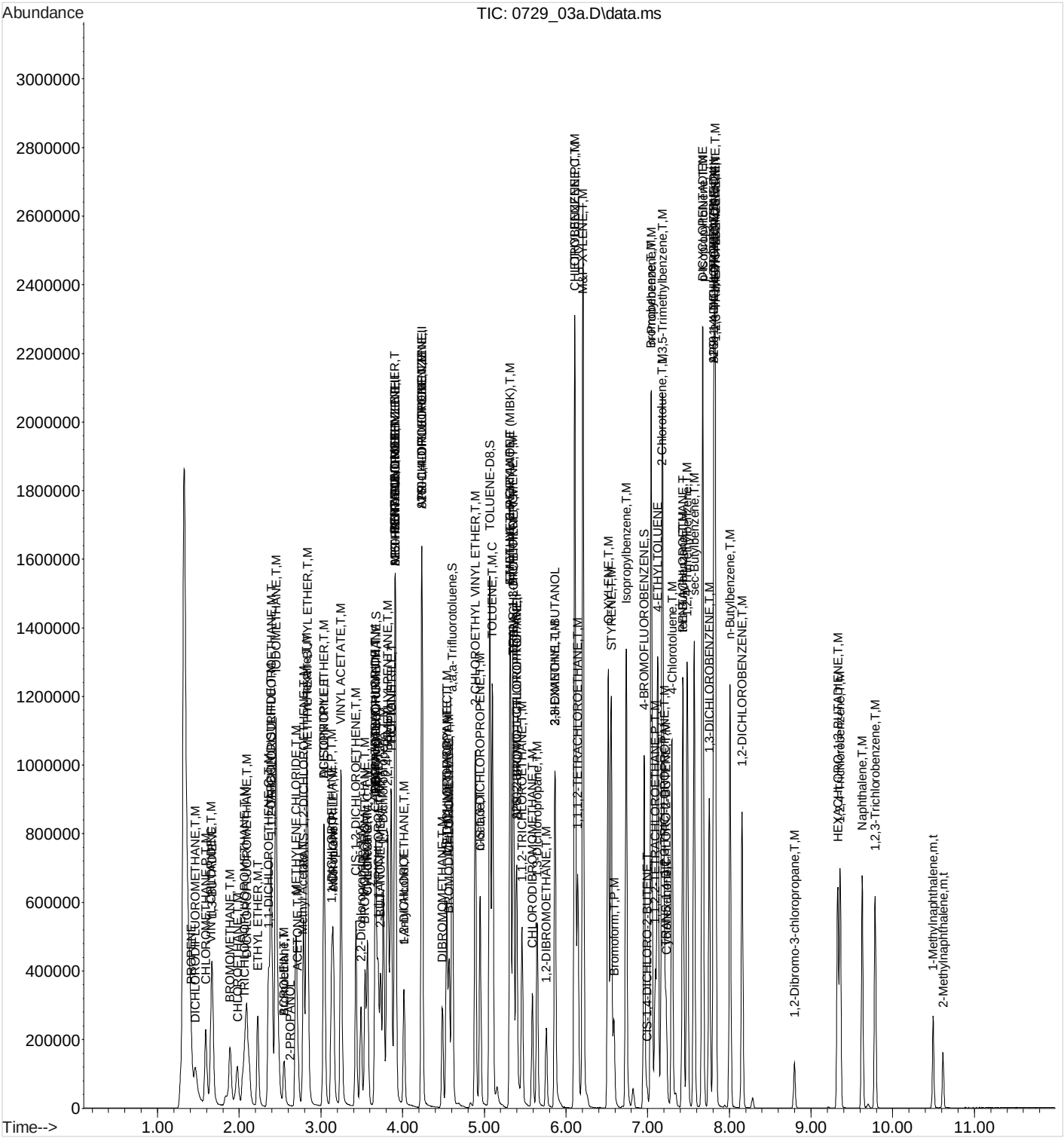
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	2.550	108	2080	0.3867340 ppb		95
99)	2-PROPANOL	2.621	45	575	1.4622018 ppb	#	58
100)	Methyl Acetate	2.778	43	29634	6.1663757 ppb	#	100
101)	ACETONITRILE	3.039	41	99863	144.1681862 ppb	#	39
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.		
104)	chloroprene	3.151	53	299071	27.6932978 ppb	#	25
105)	ETHYL TERT-BUTYL ETHER	3.184	59	761	N.D.		
106)	PROPIONITRILE	3.862	54	2750	3.1707590 ppb	#	1
107)	Ethyl Acetate	3.669	43	9112	1.6893245 ppb	#	79
108)	METHACRYLONITRILE	3.913	67	1218	0.4775282 ppb	#	1
109)	Cyclohexane	3.569	84	11388	1.2494536 ppb	#	2
110)	tert-butyl formate	3.762	59	1019	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	4.016	59	1086	1.8062590 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.907	73	12864	0.6940084 ppb	#	71
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	4.238	83	10797	N.D.		
117)	2-nitropropane	5.248	43	524	N.D.		
118)	METHYL METHACRYLATE	4.540	41	102536	17.6300979 ppb	#	18
119)	1,4-DIOXANE	4.682	88	3459	No Calib	#	
120)	n-octane	4.949	85	3876	0.7022067 ppb	#	21
121)	3,3-DIMETHYL-1-BUTANOL	5.865	57	109272	160.2748071 ppb	#	46
123)	ETHYL METHACRYLATE	5.318	69	5407	0.6174584 ppb	#	1
124)	CIS-1,4-DICHLORO-2-BUTENE	6.994	53	2550	1.0752962 ppb	#	22
125)	Cyclohexanone	7.228	55	1058	0.7097349 ppb	#	21
126)	PENTACHLOROETHANE	7.431	117	18520	4.6281036 ppb	#	10
127)	Hexachloroethane	8.138	117	979	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 03a.D
Acq On : 29 Jul 2014 4:25 pm
Operator : 644
Sample : LCS 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:17 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 04a.D
Acq On : 29 Jul 2014 4:45 pm
Operator : 644
Sample : LCSD 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	368419	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	678064	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	126153	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.811	152	332999	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	368419	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	678064	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	126153	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.811	152	332999	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	203062	38.7342193 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 96.84%		
46) a,a,a-Trifluorotoluene	4.608	146	383469	41.3369271 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 103.34%		
50) TOLUENE-D8	5.068	98	885940	40.8055126 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 102.01%		
68) 4-BROMOFLUOROBENZENE	6.958	95	334910	40.1418005 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 100.35%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	7209167	No Calib	
3) PROPENE	1.415	41	23721	11.3537395 ppb	94
4) DICHLORODIFLUOROMETHANE	1.467	85	154468	25.8144315 ppb	99
5) CHLOROMETHANE	1.589	50	271060	26.4046199 ppb	100
6) VINYL CHLORIDE	1.660	62	259764	23.9131702 ppb	100
7) 1,3-BUTADIENE	1.669	39	155818	17.6145121 ppb	96
8) BROMOMETHANE	1.885	94	145461	25.7064108 ppb	100
9) CHLOROETHANE	1.975	66	46892	24.6442667 ppb	99
10) TRICHLOROFLUOROMETHANE	2.065	101	207022	22.0223126 ppb	99
11) DICHLOROFLUOROMETHANE	2.090	67	322801	23.9658865 ppb	99
12) ETHYL ETHER	2.229	59	156164	23.1229813 ppb	98
13) ACROLEIN	2.550	56	120420	101.2477311 ppb	100
14) 1,1-DICHLOROETHENE	2.364	61	279095	20.9181660 ppb	97
15) 1,1,2-TRICHLOROTRIFLUO...	2.396	101	162318	21.8902518 ppb	99
16) ACETONE	2.714	43	226101	124.3465695 ppb	96
17) IODOMETHANE	2.454	142	1475360	116.0316021 ppb	98
18) CARBON DISULFIDE	2.393	76	572949	18.5887473 ppb	99
19) METHYLENE CHLORIDE	2.695	84	197129	22.9142950 ppb	98
20) ACRYLONITRILE	3.155	53	332009	144.0504927 ppb	97
21) n-Hexane	2.827	56	179357	22.8615309 ppb	96
22) TRANS-1,2-DICHLOROETHENE	2.788	96	182385	24.1097286 ppb	99
23) METHYL TERT-BUTYL ETHER	2.840	73	488293	24.2711894 ppb	99
24) 1,1-DICHLOROETHANE	3.132	63	369176	25.5614651 ppb	99
25) VINYL ACETATE	3.248	43	1380316	92.4028441 ppb	100
26) DI-ISOPROPYL ETHER	3.039	45	699957	26.5997803 ppb	98
27) 2,2-Dichloropropane	3.492	77	167399	20.9391651 ppb	99
28) CIS-1,2-DICHLOROETHENE	3.431	96	200081	26.1001569 ppb	99
29) 2-BUTANONE (MEK)	3.733	43	411068	139.4772147 ppb	96
30) BROMOCHLOROMETHANE	3.544	130	112887	24.1558690 ppb	95
31) TETRAHYDROFURAN	3.669	42	61431	27.1321928 ppb #	96
32) CHLOROFORM	3.573	83	316085	22.9981328 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.701	97	234957	23.7258662 ppb	100
35) CARBON TETRACHLORIDE	3.669	117	231992	22.8290699 ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 04a.D
Acq On : 29 Jul 2014 4:45 pm
Operator : 644
Sample : LCSD 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.769	75	268772	24.7219014 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.820	57	848831	24.7782300 ppb		96
38) HEPTANE	3.862	43	379320	26.0314572 ppb	#	96
39) BENZENE	3.907	78	770734	25.8704980 ppb		99
40) 1,2-DICHLOROETHANE	4.020	62	225342	24.6186927 ppb		98
42) TRICHLOROETHENE	4.238	130	185994	25.3728654 ppb		100
43) 1,2-DICHLOROPROPANE	4.544	62	152976	26.2005925 ppb		98
44) DIBROMOMETHANE	4.489	93	105479	24.7521810 ppb		99
45) BROMODICHLOROMETHANE	4.573	83	240878	24.0304336 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	438390	137.3757374 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.952	75	323189	25.2290445 ppb		100
49) 4-METHYL-2-PENTANONE (...	5.319	58	377055	132.5393027 ppb		98
51) TOLUENE	5.103	91	791675	24.6987343 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.357	110	65322	25.1973061 ppb		92
54) 1,1,2-TRICHLOROETHANE	5.463	97	153267	25.2237228 ppb		97
55) TETRACHLOROETHENE	5.357	164	131208	23.2163558 ppb		98
56) 1,3-Dichloropropane	5.650	76	299936	24.6272062 ppb		100
57) 2-HEXANONE	5.868	58	364596	129.0917032 ppb		99
58) CHLORODIBROMOMETHANE	5.592	129	165324	23.1173393 ppb		98
59) 1,2-DIBROMOETHANE	5.759	107	155812	23.9792443 ppb		97
60) CHLOROBENZENE	6.106	112	507125	24.1946354 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	163342	23.8247681 ppb		99
62) ETHYLBENZENE	6.110	106	277673	23.9912195 ppb		99
63) M&P-XYLENE	6.209	106	673999	48.1363965 ppb		99
64) O-XYLENE	6.518	106	326106	23.0009884 ppb		99
65) STYRENE	6.553	104	533346	24.6210556 ppb		98
66) Bromoform	6.589	173	96349	22.2037528 ppb		98
67) Isopropylbenzene	6.740	105	846393	24.1115388 ppb		99
69) Bromobenzene	7.045	77	378809	24.2039279 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.093	83	207207	24.4284866 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.206	110	54572	23.0448748 ppb		97
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	56791	24.1052496 ppb		96
73) n-Propylbenzene	7.045	91	980171	23.6691680 ppb		100
74) 4-ETHYLTOLUENE	7.126	105	776387	23.4505842 ppb		100
75) 2-Chlorotoluene	7.174	126	194405	23.0550040 ppb		95
76) 4-Chlorotoluene	7.299	91	586129	23.8792420 ppb		100
77) 1,3,5-Trimethylbenzene	7.187	105	668004	23.1228816 ppb		99
78) tert-Butylbenzene	7.431	119	572795	23.4001193 ppb		98
79) 1,2,4-Trimethylbenzene	7.486	105	656467	22.9959240 ppb		100
80) sec-Butylbenzene	7.569	105	893440	23.3996823 ppb		100
81) 1,3-DICHLOROBENZENE	7.756	146	342871	23.0942005 ppb		98
82) p-Isopropyltoluene	7.675	119	710389	23.1459401 ppb		99
83) DICYCLOPENTADIENE	7.672	66	875362	24.5261273 ppb		99
85) 1,4-DICHLOROBENZENE	7.823	146	353508	22.2990688 ppb		90
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	694653	21.6602647 ppb		99
87) 1,2-DICHLOROBENZENE	8.155	146	325905	22.8736961 ppb		100
88) n-Butylbenzene	8.010	91	641959	21.8507305 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.798	157	34370	21.0471993 ppb		99
90) 1,2,4-Trichlorobenzene	9.357	180	196831	20.5534548 ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.328	225	111126	21.3082013 ppb		99
92) Naphthalene	9.627	128	494042	21.4819512 ppb		100
93) 1,2,3-Trichlorobenzene	9.785	180	176711	19.9321927 ppb		98
94) 1-Methylnaphthalene	10.495	142	121525	9.9629251 ppb		99
95) 2-Methylnaphthalene	10.617	142	73941	7.4778447 ppb		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 04a.D
Acq On : 29 Jul 2014 4:45 pm
Operator : 644
Sample : LCSD 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

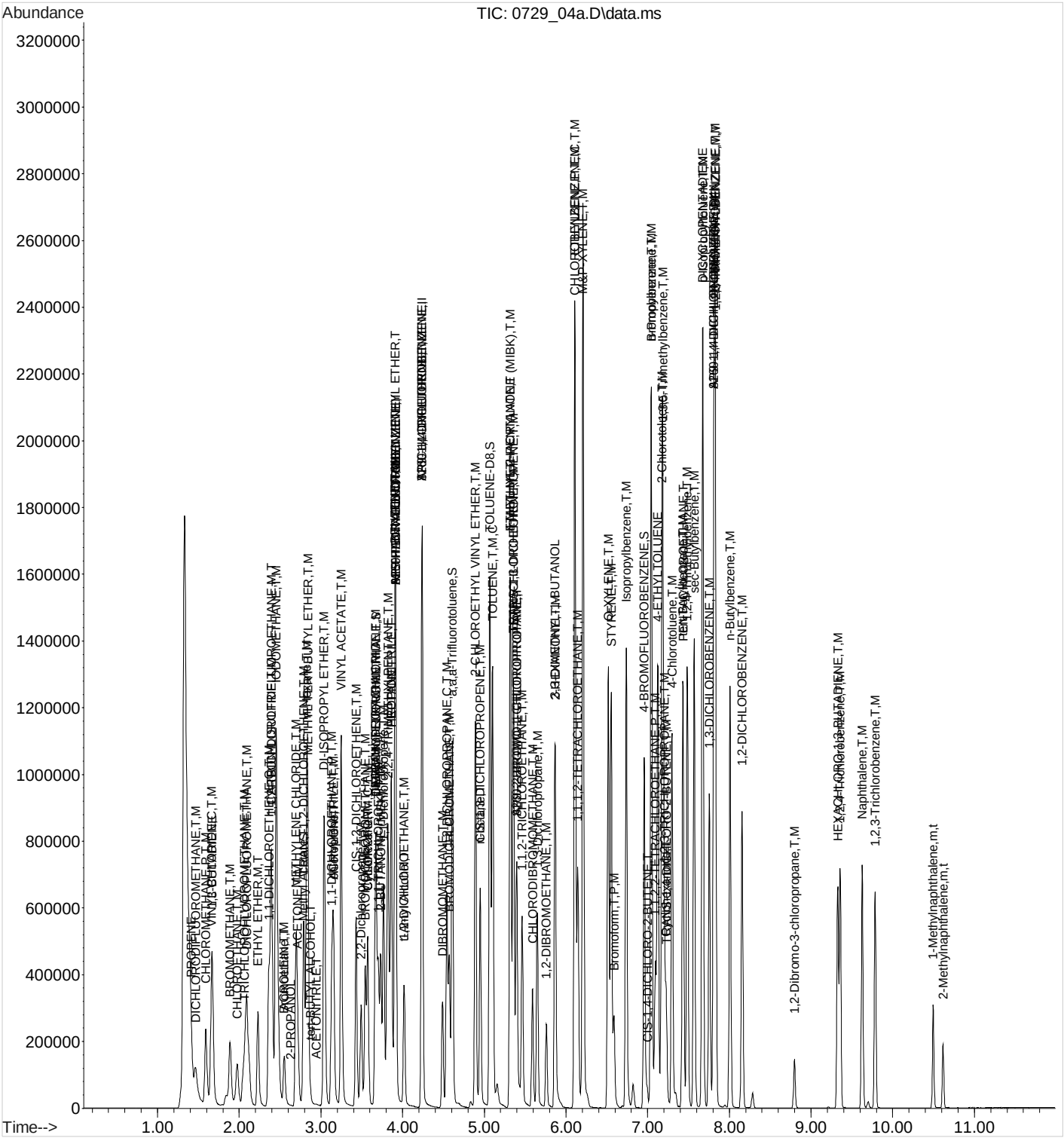
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	2.547	108	1847	0.3316303 ppb		96
99)	2-PROPANOL	2.631	45	681	1.6723411 ppb	#	58
100)	Methyl Acetate	2.782	43	32522	6.5351452 ppb	#	99
101)	ACETONITRILE	2.943	41	785	1.0943917 ppb	#	35
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	2.872	59	1008	1.2662259 ppb	#	62
104)	chloroprene	3.155	53	332009	29.6885181 ppb	#	25
105)	ETHYL TERT-BUTYL ETHER	3.190	59	916	N.D.		
106)	PROPIONITRILE	3.862	54	3213	3.5774993 ppb	#	1
107)	Ethyl Acetate	3.627	43	771	N.D.		
108)	METHACRYLONITRILE	3.917	67	1286	0.4868901 ppb	#	1
109)	Cyclohexane	3.573	84	11734	1.2432460 ppb	#	3
110)	tert-butyl formate	3.817	59	797	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	4.016	59	1188	1.9081167 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.910	73	13402	0.6982269 ppb	#	69
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	4.238	83	10948	N.D.		
117)	2-nitropropane	5.245	43	601	N.D.		
118)	METHYL METHACRYLATE	4.698	41	524	N.D.		
119)	1,4-DIOXANE	4.685	88	2852	No Calib	#	
120)	n-octane	4.949	85	4227	0.7330387 ppb	#	22
121)	3,3-DIMETHYL-1-BUTANOL	5.865	57	124484	174.7766436 ppb	#	47
123)	ETHYL METHACRYLATE	5.319	69	6312	0.6912544 ppb	#	1
124)	CIS-1,4-DICHLORO-2-BUTENE	6.997	53	2681	1.0841873 ppb	#	22
125)	Cyclohexanone	7.225	55	1250	0.8041556 ppb	#	21
126)	PENTACHLOROETHANE	7.434	117	19184	4.5974905 ppb	#	10
127)	Hexachloroethane	8.135	117	1217	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 04a.D
Acq On : 29 Jul 2014 4:45 pm
Operator : 644
Sample : LCSD 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 04a.D
Acq On : 29 Jul 2014 4:45 pm
Operator : 644
Sample : LCSD 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 5 Sample Multiplier: 1
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Quant Time: Aug 01 14:43:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	368419	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	678064	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	126153	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.811	152	332999	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	368419	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	678064	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	126153	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.811	152	332999	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	203062	38.7342193 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 96.84%		
46) a,a,a-Trifluorotoluene	4.608	146	383469	41.3369271 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 103.34%		
50) TOLUENE-D8	5.068	98	885940	40.8055126 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 102.01%		
68) 4-BROMOFLUOROBENZENE	6.958	95	334910	40.1418005 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 100.35%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	7209167	No Calib	
3) PROPENE	1.415	41	23721	11.3537395 ppb	94
4) DICHLORODIFLUOROMETHANE	1.467	85	154468	25.8144315 ppb	99
5) CHLOROMETHANE	1.589	50	271060	26.4046199 ppb	100
6) VINYL CHLORIDE	1.660	62	259764	23.9131702 ppb	100
7) 1,3-BUTADIENE	1.669	39	155818	17.6145121 ppb	96
8) BROMOMETHANE	1.885	94	145461	25.7064108 ppb	100
9) CHLOROETHANE	1.975	66	46892	24.6442667 ppb	99
10) TRICHLOROFLUOROMETHANE	2.065	101	207022	22.0223126 ppb	99
11) DICHLOROFLUOROMETHANE	2.090	67	322801	23.9658865 ppb	99
12) ETHYL ETHER	2.229	59	156164	23.1229813 ppb	98
13) ACROLEIN	2.550	56	120420	101.2477311 ppb	100
14) 1,1-DICHLOROETHENE	2.364	61	279095	20.9181660 ppb	97
15) 1,1,2-TRICHLOROTRIFLUO...	2.396	101	162318	21.8902518 ppb	99
16) ACETONE	2.714	43	226101	124.3465695 ppb	96
17) IODOMETHANE	2.454	142	1475360	116.0316021 ppb	98
18) CARBON DISULFIDE	2.393	76	572949	18.5887473 ppb	99
19) METHYLENE CHLORIDE	2.695	84	197129	22.9142950 ppb	98
20) ACRYLONITRILE	3.155	53	332009	144.0504927 ppb	97
21) n-Hexane	2.827	56	179357	22.8615309 ppb	96
22) TRANS-1,2-DICHLOROETHENE	2.788	96	182385	24.1097286 ppb	99
23) METHYL TERT-BUTYL ETHER	2.840	73	488293	24.2711894 ppb	99
24) 1,1-DICHLOROETHANE	3.132	63	369176	25.5614651 ppb	99
25) VINYL ACETATE	3.248	43	1380316	92.4028441 ppb	100
26) DI-ISOPROPYL ETHER	3.039	45	699957	26.5997803 ppb	98
27) 2,2-Dichloropropane	3.492	77	167399	20.9391651 ppb	99
28) CIS-1,2-DICHLOROETHENE	3.431	96	200081	26.1001569 ppb	99
29) 2-BUTANONE (MEK)	3.733	43	411068	139.4772147 ppb	96
30) BROMOCHLOROMETHANE	3.544	130	112887	24.1558690 ppb	95
31) TETRAHYDROFURAN	3.669	42	61431	27.1321928 ppb #	96
32) CHLOROFORM	3.573	83	316085	22.9981328 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.701	97	234957	23.7258662 ppb	100
35) CARBON TETRACHLORIDE	3.669	117	231992	22.8290699 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 04a.D
Acq On : 29 Jul 2014 4:45 pm
Operator : 644
Sample : LCSD 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.769	75	268772	24.7219014 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.820	57	848831	24.7782300 ppb		96
38) HEPTANE	3.862	43	379320	26.0314572 ppb	#	96
39) BENZENE	3.907	78	770734	25.8704980 ppb		99
40) 1,2-DICHLOROETHANE	4.020	62	225342	24.6186927 ppb		98
42) TRICHLOROETHENE	4.238	130	185994	25.3728654 ppb		100
43) 1,2-DICHLOROPROPANE	4.544	62	152976	26.2005925 ppb		98
44) DIBROMOMETHANE	4.489	93	105479	24.7521810 ppb		99
45) BROMODICHLOROMETHANE	4.573	83	240878	24.0304336 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	438390	137.3757374 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.952	75	323189	25.2290445 ppb		100
49) 4-METHYL-2-PENTANONE (...	5.319	58	377055	132.5393027 ppb		98
51) TOLUENE	5.103	91	791675	24.6987343 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.357	110	65322	25.1973061 ppb		92
54) 1,1,2-TRICHLOROETHANE	5.463	97	153267	25.2237228 ppb		97
55) TETRACHLOROETHENE	5.357	164	131208	23.2163558 ppb		98
56) 1,3-Dichloropropane	5.650	76	299936	24.6272062 ppb		100
57) 2-HEXANONE	5.868	58	364596	129.0917032 ppb		99
58) CHLORODIBROMOMETHANE	5.592	129	165324	23.1173393 ppb		98
59) 1,2-DIBROMOETHANE	5.759	107	155812	23.9792443 ppb		97
60) CHLOROBENZENE	6.106	112	507125	24.1946354 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	163342	23.8247681 ppb		99
62) ETHYLBENZENE	6.110	106	277673	23.9912195 ppb		99
63) M&P-XYLENE	6.209	106	673999	48.1363965 ppb		99
64) O-XYLENE	6.518	106	326106	23.0009884 ppb		99
65) STYRENE	6.553	104	533346	24.6210556 ppb		98
66) Bromoform	6.589	173	96349	22.2037528 ppb		98
67) Isopropylbenzene	6.740	105	846393	24.1115388 ppb		99
69) Bromobenzene	7.045	77	378809	24.2039279 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.093	83	207207	24.4284866 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.206	110	54572	23.0448748 ppb		97
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	56791	24.1052496 ppb		96
73) n-Propylbenzene	7.045	91	980171	23.6691680 ppb		100
74) 4-ETHYLTOLUENE	7.126	105	776387	23.4505842 ppb		100
75) 2-Chlorotoluene	7.174	126	194405	23.0550040 ppb		95
76) 4-Chlorotoluene	7.299	91	586129	23.8792420 ppb		100
77) 1,3,5-Trimethylbenzene	7.187	105	668004	23.1228816 ppb		99
78) tert-Butylbenzene	7.431	119	572795	23.4001193 ppb		98
79) 1,2,4-Trimethylbenzene	7.486	105	656467	22.9959240 ppb		100
80) sec-Butylbenzene	7.569	105	893440	23.3996823 ppb		100
81) 1,3-DICHLOROBENZENE	7.756	146	342871	23.0942005 ppb		98
82) p-Isopropyltoluene	7.675	119	710389	23.1459401 ppb		99
83) DICYCLOPENTADIENE	7.672	66	875362	24.5261273 ppb		99
85) 1,4-DICHLOROBENZENE	7.823	146	353508	22.2990688 ppb		90
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	694653	21.6602647 ppb		99
87) 1,2-DICHLOROBENZENE	8.155	146	325905	22.8736961 ppb		100
88) n-Butylbenzene	8.010	91	641959	21.8507305 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.798	157	34370	21.0471993 ppb		99
90) 1,2,4-Trichlorobenzene	9.357	180	196831	20.5534548 ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.328	225	111126	21.3082013 ppb		99
92) Naphthalene	9.627	128	494042	21.4819512 ppb		100
93) 1,2,3-Trichlorobenzene	9.785	180	176711	19.9321927 ppb		98
94) 1-Methylnaphthalene	10.495	142	121525	9.9629251 ppb		99
95) 2-Methylnaphthalene	10.617	142	73941	7.4778447 ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 04a.D
Acq On : 29 Jul 2014 4:45 pm
Operator : 644
Sample : LCSD 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

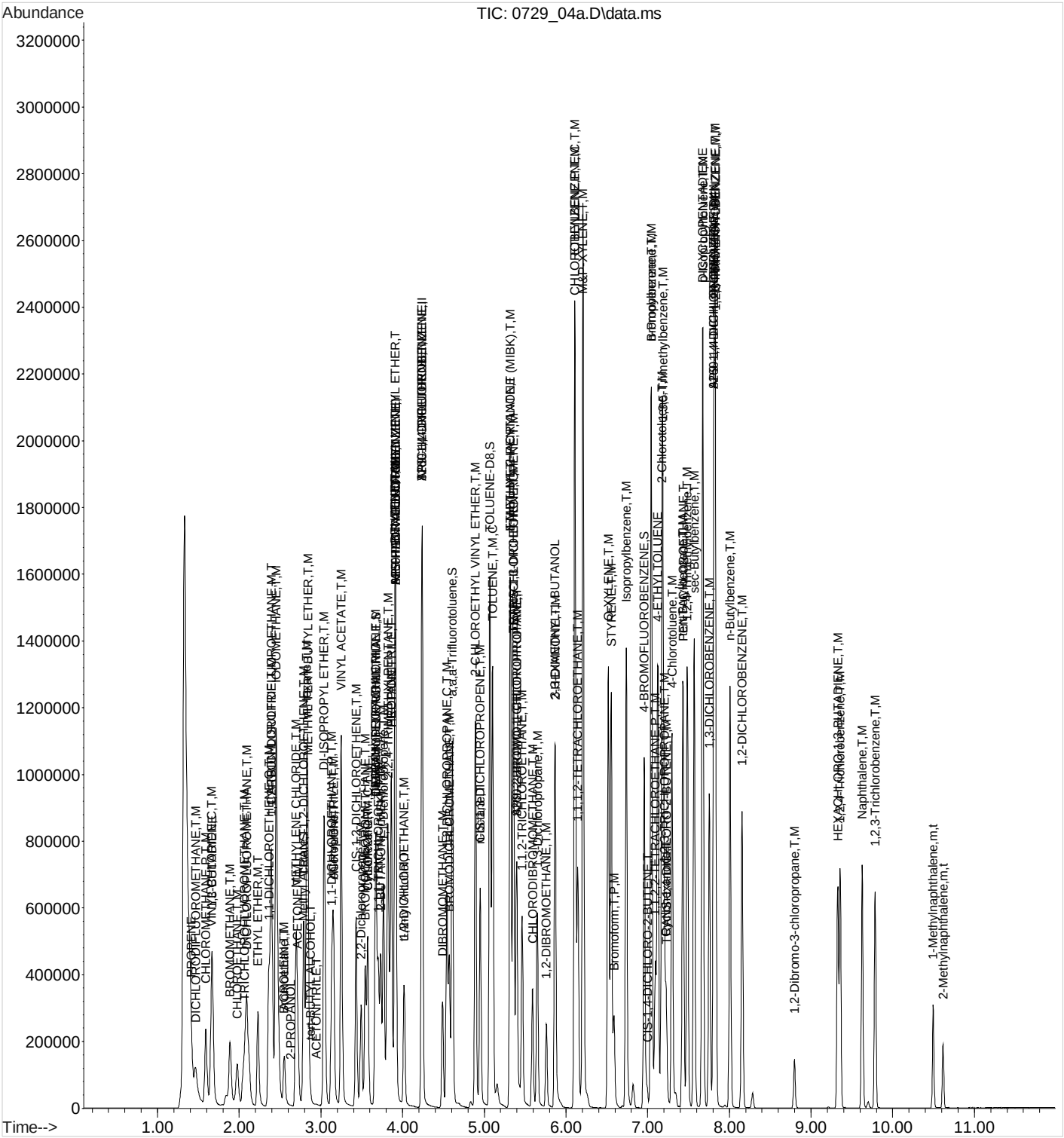
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	2.547	108	1847	0.3316303 ppb		96
99)	2-PROPANOL	2.631	45	681	1.6723411 ppb	#	58
100)	Methyl Acetate	2.782	43	32522	6.5351452 ppb	#	99
101)	ACETONITRILE	2.943	41	785	1.0943917 ppb	#	35
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	2.872	59	1008	1.2662259 ppb	#	62
104)	chloroprene	3.155	53	332009	29.6885181 ppb	#	25
105)	ETHYL TERT-BUTYL ETHER	3.190	59	916	N.D.		
106)	PROPIONITRILE	3.862	54	3213	3.5774993 ppb	#	1
107)	Ethyl Acetate	3.627	43	771	N.D.		
108)	METHACRYLONITRILE	3.917	67	1286	0.4868901 ppb	#	1
109)	Cyclohexane	3.573	84	11734	1.2432460 ppb	#	3
110)	tert-butyl formate	3.817	59	797	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	4.016	59	1188	1.9081167 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.910	73	13402	0.6982269 ppb	#	69
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	4.238	83	10948	N.D.		
117)	2-nitropropane	5.245	43	601	N.D.		
118)	METHYL METHACRYLATE	4.698	41	524	N.D.		
119)	1,4-DIOXANE	4.685	88	2852	No Calib	#	
120)	n-octane	4.949	85	4227	0.7330387 ppb	#	22
121)	3,3-DIMETHYL-1-BUTANOL	5.865	57	124484	174.7766436 ppb	#	47
123)	ETHYL METHACRYLATE	5.319	69	6312	0.6912544 ppb	#	1
124)	CIS-1,4-DICHLORO-2-BUTENE	6.997	53	2681	1.0841873 ppb	#	22
125)	Cyclohexanone	7.225	55	1250	0.8041556 ppb	#	21
126)	PENTACHLOROETHANE	7.434	117	19184	4.5974905 ppb	#	10
127)	Hexachloroethane	8.135	117	1217	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 04a.D
Acq On : 29 Jul 2014 4:45 pm
Operator : 644
Sample : LCSD 1x WG734030
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 06a.D
Acq On : 29 Jul 2014 6:28 pm
Operator : 644
Sample : MS 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:35 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	326163	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	598910	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	117370	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.810	152	314441	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	326163	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	598910	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	117370	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.810	152	314441	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	187974	40.5015139 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 101.25%		
46) a,a,a-Trifluorotoluene	4.608	146	342792	41.8357664 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 104.59%		
50) TOLUENE-D8	5.068	98	798106	41.6182894 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 104.05%		
68) 4-BROMOFLUOROBENZENE	6.958	95	321777	41.4537868 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 103.63%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	5372321	No Calib	
3) PROPENE	1.418	41	22158	11.9796413 ppb	90
4) DICHLORODIFLUOROMETHANE	1.467	85	142894	26.9740005 ppb	100
5) CHLOROMETHANE	1.592	50	236576	26.0310986 ppb	99
6) VINYL CHLORIDE	1.663	62	233346	24.2641945 ppb	99
7) 1,3-BUTADIENE	1.669	39	143480	18.3211060 ppb	97
8) BROMOMETHANE	1.888	94	122352	24.4238022 ppb	100
9) CHLOROETHANE	1.975	66	40873	24.2639211 ppb	99
10) TRICHLOROFLUOROMETHANE	2.068	101	187210	22.4948340 ppb	98
11) DICHLOROFLUOROMETHANE	2.094	67	283074	23.7391921 ppb	99
12) ETHYL ETHER	2.229	59	124677	20.8524253 ppb	100
13) ACROLEIN	2.550	56	105982	100.6528587 ppb	99
14) 1,1-DICHLOROETHENE	2.364	61	246140	20.8382417 ppb	96
15) 1,1,2-TRICHLOROTRIFLUO...	2.396	101	148799	22.6668626 ppb	98
16) ACETONE	2.714	43	166784	103.6079395 ppb	95
17) IODOMETHANE	2.454	142	1242502	110.3780474 ppb	98
18) CARBON DISULFIDE	2.393	76	492175	18.0368642 ppb	98
19) METHYLENE CHLORIDE	2.695	84	161525	21.2081632 ppb	96
20) ACRYLONITRILE	3.155	53	267889	131.2886247 ppb	98
21) n-Hexane	2.827	56	153819	22.1464586 ppb	94
22) TRANS-1,2-DICHLOROETHENE	2.788	96	155872	23.2744077 ppb	99
23) METHYL TERT-BUTYL ETHER	2.840	73	397692	22.3287670 ppb	97
24) 1,1-DICHLOROETHANE	3.132	63	306989	24.0094617 ppb	100
25) VINYL ACETATE	3.248	43	1421508	107.4888586 ppb	99
26) DI-ISOPROPYL ETHER	3.039	45	563087	24.1707160 ppb	98
27) 2,2-Dichloropropane	3.492	77	151912	21.4637652 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.431	96	163334	24.0669576 ppb	99
29) 2-BUTANONE (MEK)	3.733	43	306868	117.6111578 ppb	97
30) BROMOCHLOROMETHANE	3.544	130	89202	21.5605905 ppb	91
31) TETRAHYDROFURAN	3.669	42	47061	23.4782535 ppb	97
32) CHLOROFORM	3.573	83	263081	21.6214841 ppb	98
34) 1,1,1-TRICHLOROETHANE	3.701	97	205130	23.3975398 ppb	99
35) CARBON TETRACHLORIDE	3.669	117	203171	22.5831362 ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 06a.D
Acq On : 29 Jul 2014 6:28 pm
Operator : 644
Sample : MS 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:35 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	229412	23.8353374 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	768157	25.3283190 ppb		97
38) HEPTANE	3.862	43	316953	24.5694215 ppb	#	97
39) BENZENE	3.907	78	627779	23.8020510 ppb		100
40) 1,2-DICHLOROETHANE	4.020	62	174377	21.5188655 ppb		98
42) TRICHLOROETHENE	4.235	130	193126	29.8277469 ppb		99
43) 1,2-DICHLOROPROPANE	4.544	62	120320	23.3310754 ppb		99
44) DIBROMOMETHANE	4.489	93	81834	21.7415434 ppb		98
45) BROMODICHLOROMETHANE	4.573	83	192585	21.7518426 ppb		100
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	98146	34.8201890 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.949	75	247461	21.8705708 ppb		99
49) 4-METHYL-2-PENTANONE (...	5.319	58	299251	119.0925818 ppb		98
51) TOLUENE	5.103	91	642467	22.6927807 ppb		98
52) TRANS-1,3-DICHLOROPROPENE	5.357	110	50352	21.9897598 ppb		95
54) 1,1,2-TRICHLOROETHANE	5.463	97	119014	21.0522761 ppb		96
55) TETRACHLOROETHENE	5.357	164	112248	21.3477852 ppb		99
56) 1,3-Dichloropropane	5.650	76	229680	20.2698348 ppb		100
57) 2-HEXANONE	5.868	58	288145	109.6574133 ppb		99
58) CHLORODIBROMOMETHANE	5.592	129	126630	19.0317633 ppb		98
59) 1,2-DIBROMOETHANE	5.759	107	122153	20.2059468 ppb		99
60) CHLOROBENZENE	6.106	112	419379	21.5055829 ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	130589	20.4728304 ppb		99
62) ETHYLBENZENE	6.110	106	234444	21.7719974 ppb		99
63) M&P-XYLENE	6.209	106	582133	44.6865700 ppb		98
64) O-XYLENE	6.518	106	275882	20.9146959 ppb		98
65) STYRENE	6.553	104	445587	22.1090772 ppb		98
66) Bromoform	6.589	173	78459	19.4340098 ppb		98
67) Isopropylbenzene	6.740	105	735761	22.5283875 ppb		99
69) Bromobenzene	7.045	77	318002	21.8391581 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.093	83	176180	22.3248846 ppb		98
71) 1,2,3-TRICHLOROPROPANE	7.206	110	47025	21.3438994 ppb		100
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	48516	22.1338816 ppb		98
73) n-Propylbenzene	7.045	91	888236	23.0541966 ppb		99
74) 4-ETHYLTOLUENE	7.126	105	695805	22.5893344 ppb		100
75) 2-Chlorotoluene	7.177	126	169675	21.6279874 ppb		96
76) 4-Chlorotoluene	7.299	91	510173	22.3401084 ppb		99
77) 1,3,5-Trimethylbenzene	7.187	105	591690	22.0139309 ppb		99
78) tert-Butylbenzene	7.431	119	503898	22.1259520 ppb		99
79) 1,2,4-Trimethylbenzene	7.486	105	581217	21.8834984 ppb		100
80) sec-Butylbenzene	7.569	105	811821	22.8531109 ppb		100
81) 1,3-DICHLOROBENZENE	7.756	146	301871	21.8541565 ppb		98
82) p-Isopropyltoluene	7.675	119	650953	22.7965281 ppb		98
83) DICYCLOPENTADIENE	7.672	66	764629	23.0267440 ppb		99
85) 1,4-DICHLOROBENZENE	7.823	146	306707	20.4887248 ppb	#	81
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	589069	19.4520678 ppb		99
87) 1,2-DICHLOROBENZENE	8.158	146	275736	20.4947467 ppb		100
88) n-Butylbenzene	8.010	91	617634	22.2635095 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.798	157	28625	18.5636785 ppb		99
90) 1,2,4-Trichlorobenzene	9.357	180	182569	20.1893404 ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.328	225	101863	20.6848002 ppb		99
92) Naphthalene	9.627	128	407018	18.7424876 ppb		100
93) 1,2,3-Trichlorobenzene	9.788	180	154482	18.4532616 ppb		99
94) 1-Methylnaphthalene	10.495	142	101635	8.8240567 ppb		99
95) 2-Methylnaphthalene	10.617	142	61920	6.6317146 ppb		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 06a.D
Acq On : 29 Jul 2014 6:28 pm
Operator : 644
Sample : MS 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:35 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

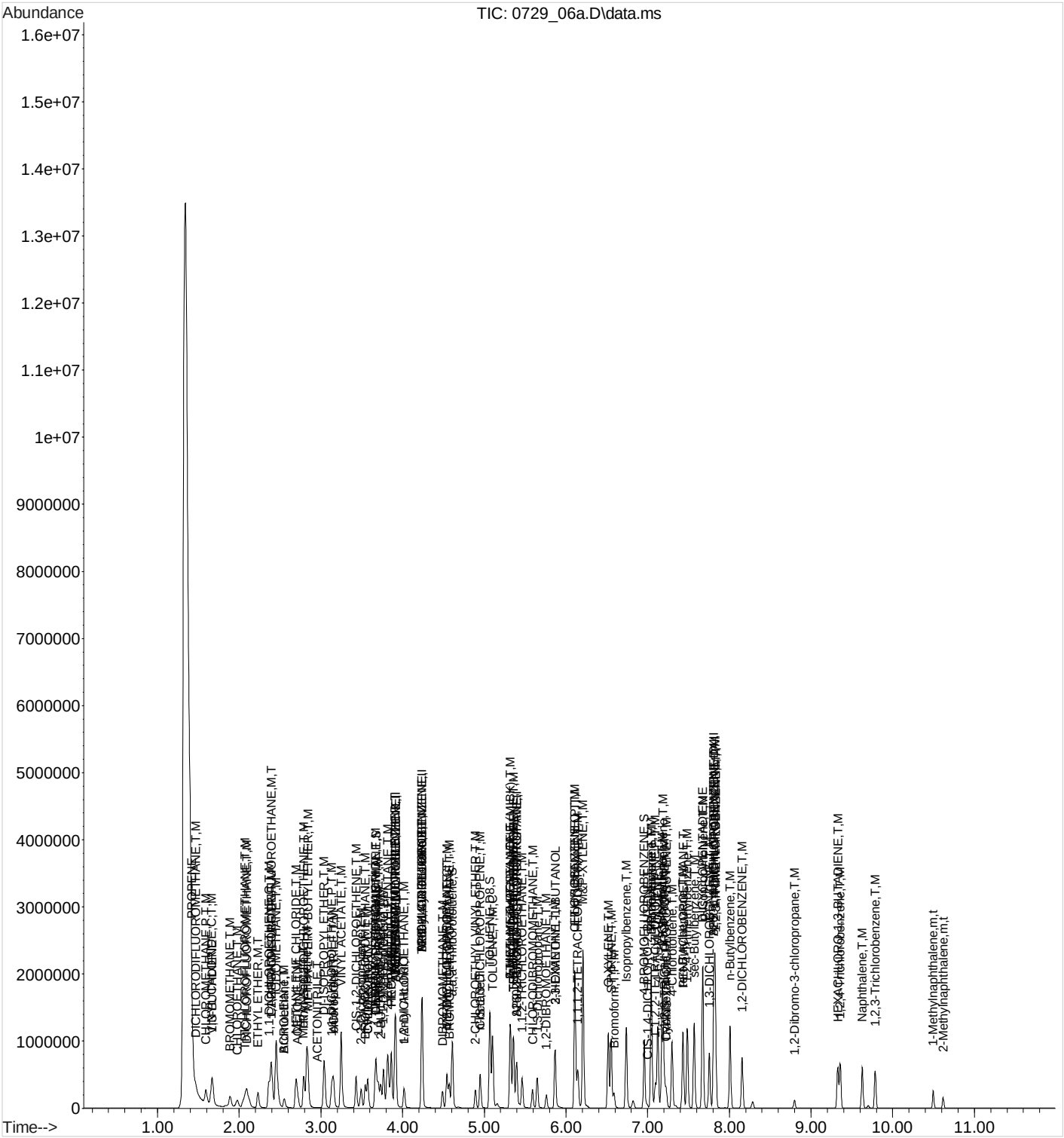
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	2.550	108	1872	0.3796649 ppb		98
99)	2-PROPANOL	0.000		0	N.D.		
100)	Methyl Acetate	2.782	43	14291	3.2437542 ppb	#	96
101)	ACETONITRILE	2.955	41	634	0.9983888 ppb	#	35
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.		
104)	chloroprene	3.155	53	267889	27.0583227 ppb	#	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
106)	PROPIONITRILE	3.862	54	2512	3.1593358 ppb	#	1
107)	Ethyl Acetate	3.560	43	648	N.D.		
108)	METHACRYLONITRILE	3.914	67	941	0.4024269 ppb	#	1
109)	Cyclohexane	3.573	84	10183	1.2186922 ppb	#	2
110)	tert-butyl formate	3.766	59	1130	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	4.016	59	855	1.5511791 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.907	73	11012	0.6480380 ppb	#	60
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	4.238	83	10327	0.3222059 ppb	#	49
117)	2-nitropropane	5.319	43	774607	403.3854303 ppb	#	37
118)	METHYL METHACRYLATE	4.540	41	84611	15.7662276 ppb	#	18
119)	1,4-DIOXANE	4.685	88	5110	No Calib	#	
120)	n-octane	4.952	85	3157	0.6198382 ppb	#	23
121)	3,3-DIMETHYL-1-BUTANOL	5.868	57	99181	157.6548971 ppb	#	46
123)	ETHYL METHACRYLATE	5.319	69	5023	0.5912546 ppb	#	1
124)	CIS-1,4-DICHLORO-2-BUTENE	6.997	53	2270	0.9866744 ppb	#	19
125)	Cyclohexanone	7.225	55	1023	0.7073692 ppb	#	21
126)	PENTACHLOROETHANE	7.434	117	17558	4.5226939 ppb	#	10
127)	Hexachloroethane	8.142	117	935	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 06a.D
Acq On : 29 Jul 2014 6:28 pm
Operator : 644
Sample : MS 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:35 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 06a.D
Acq On : 29 Jul 2014 6:28 pm
Operator : 644
Sample : MS 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:35 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	326163	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	598910	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	117370	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.810	152	314441	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	326163	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	598910	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	117370	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.810	152	314441	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	187974	40.5015139 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 101.25%		
46) a,a,a-Trifluorotoluene	4.608	146	342792	41.8357664 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 104.59%		
50) TOLUENE-D8	5.068	98	798106	41.6182894 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 104.05%		
68) 4-BROMOFLUOROBENZENE	6.958	95	321777	41.4537868 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 103.63%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	5372321	No Calib	
3) PROPENE	1.418	41	22158	11.9796413 ppb	90
4) DICHLORODIFLUOROMETHANE	1.467	85	142894	26.9740005 ppb	100
5) CHLOROMETHANE	1.592	50	236576	26.0310986 ppb	99
6) VINYL CHLORIDE	1.663	62	233346	24.2641945 ppb	99
7) 1,3-BUTADIENE	1.669	39	143480	18.3211060 ppb	97
8) BROMOMETHANE	1.888	94	122352	24.4238022 ppb	100
9) CHLOROETHANE	1.975	66	40873	24.2639211 ppb	99
10) TRICHLOROFLUOROMETHANE	2.068	101	187210	22.4948340 ppb	98
11) DICHLOROFLUOROMETHANE	2.094	67	283074	23.7391921 ppb	99
12) ETHYL ETHER	2.229	59	124677	20.8524253 ppb	100
13) ACROLEIN	2.550	56	105982	100.6528587 ppb	99
14) 1,1-DICHLOROETHENE	2.364	61	246140	20.8382417 ppb	96
15) 1,1,2-TRICHLOROTRIFLUO...	2.396	101	148799	22.6668626 ppb	98
16) ACETONE	2.714	43	166784	103.6079395 ppb	95
17) IODOMETHANE	2.454	142	1242502	110.3780474 ppb	98
18) CARBON DISULFIDE	2.393	76	492175	18.0368642 ppb	98
19) METHYLENE CHLORIDE	2.695	84	161525	21.2081632 ppb	96
20) ACRYLONITRILE	3.155	53	267889	131.2886247 ppb	98
21) n-Hexane	2.827	56	153819	22.1464586 ppb	94
22) TRANS-1,2-DICHLOROETHENE	2.788	96	155872	23.2744077 ppb	99
23) METHYL TERT-BUTYL ETHER	2.840	73	397692	22.3287670 ppb	97
24) 1,1-DICHLOROETHANE	3.132	63	306989	24.0094617 ppb	100
25) VINYL ACETATE	3.248	43	1421508	107.4888586 ppb	99
26) DI-ISOPROPYL ETHER	3.039	45	563087	24.1707160 ppb	98
27) 2,2-Dichloropropane	3.492	77	151912	21.4637652 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.431	96	163334	24.0669576 ppb	99
29) 2-BUTANONE (MEK)	3.733	43	306868	117.6111578 ppb	97
30) BROMOCHLOROMETHANE	3.544	130	89202	21.5605905 ppb	91
31) TETRAHYDROFURAN	3.669	42	47061	23.4782535 ppb	97
32) CHLOROFORM	3.573	83	263081	21.6214841 ppb	98
34) 1,1,1-TRICHLOROETHANE	3.701	97	205130	23.3975398 ppb	99
35) CARBON TETRACHLORIDE	3.669	117	203171	22.5831362 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 06a.D
Acq On : 29 Jul 2014 6:28 pm
Operator : 644
Sample : MS 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:35 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	229412	23.8353374 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	768157	25.3283190 ppb		97
38) HEPTANE	3.862	43	316953	24.5694215 ppb	#	97
39) BENZENE	3.907	78	627779	23.8020510 ppb		100
40) 1,2-DICHLOROETHANE	4.020	62	174377	21.5188655 ppb		98
42) TRICHLOROETHENE	4.235	130	193126	29.8277469 ppb		99
43) 1,2-DICHLOROPROPANE	4.544	62	120320	23.3310754 ppb		99
44) DIBROMOMETHANE	4.489	93	81834	21.7415434 ppb		98
45) BROMODICHLOROMETHANE	4.573	83	192585	21.7518426 ppb		100
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	98146	34.8201890 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.949	75	247461	21.8705708 ppb		99
49) 4-METHYL-2-PENTANONE (...	5.319	58	299251	119.0925818 ppb		98
51) TOLUENE	5.103	91	642467	22.6927807 ppb		98
52) TRANS-1,3-DICHLOROPROPENE	5.357	110	50352	21.9897598 ppb		95
54) 1,1,2-TRICHLOROETHANE	5.463	97	119014	21.0522761 ppb		96
55) TETRACHLOROETHENE	5.357	164	112248	21.3477852 ppb		99
56) 1,3-Dichloropropane	5.650	76	229680	20.2698348 ppb		100
57) 2-HEXANONE	5.868	58	288145	109.6574133 ppb		99
58) CHLORODIBROMOMETHANE	5.592	129	126630	19.0317633 ppb		98
59) 1,2-DIBROMOETHANE	5.759	107	122153	20.2059468 ppb		99
60) CHLOROBENZENE	6.106	112	419379	21.5055829 ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	130589	20.4728304 ppb		99
62) ETHYLBENZENE	6.110	106	234444	21.7719974 ppb		99
63) M&P-XYLENE	6.209	106	582133	44.6865700 ppb		98
64) O-XYLENE	6.518	106	275882	20.9146959 ppb		98
65) STYRENE	6.553	104	445587	22.1090772 ppb		98
66) Bromoform	6.589	173	78459	19.4340098 ppb		98
67) Isopropylbenzene	6.740	105	735761	22.5283875 ppb		99
69) Bromobenzene	7.045	77	318002	21.8391581 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.093	83	176180	22.3248846 ppb		98
71) 1,2,3-TRICHLOROPROPANE	7.206	110	47025	21.3438994 ppb		100
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	48516	22.1338816 ppb		98
73) n-Propylbenzene	7.045	91	888236	23.0541966 ppb		99
74) 4-ETHYLTOLUENE	7.126	105	695805	22.5893344 ppb		100
75) 2-Chlorotoluene	7.177	126	169675	21.6279874 ppb		96
76) 4-Chlorotoluene	7.299	91	510173	22.3401084 ppb		99
77) 1,3,5-Trimethylbenzene	7.187	105	591690	22.0139309 ppb		99
78) tert-Butylbenzene	7.431	119	503898	22.1259520 ppb		99
79) 1,2,4-Trimethylbenzene	7.486	105	581217	21.8834984 ppb		100
80) sec-Butylbenzene	7.569	105	811821	22.8531109 ppb		100
81) 1,3-DICHLOROBENZENE	7.756	146	301871	21.8541565 ppb		98
82) p-Isopropyltoluene	7.675	119	650953	22.7965281 ppb		98
83) DICYCLOPENTADIENE	7.672	66	764629	23.0267440 ppb		99
85) 1,4-DICHLOROBENZENE	7.823	146	306707	20.4887248 ppb	#	81
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	589069	19.4520678 ppb		99
87) 1,2-DICHLOROBENZENE	8.158	146	275736	20.4947467 ppb		100
88) n-Butylbenzene	8.010	91	617634	22.2635095 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.798	157	28625	18.5636785 ppb		99
90) 1,2,4-Trichlorobenzene	9.357	180	182569	20.1893404 ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.328	225	101863	20.6848002 ppb		99
92) Naphthalene	9.627	128	407018	18.7424876 ppb		100
93) 1,2,3-Trichlorobenzene	9.788	180	154482	18.4532616 ppb		99
94) 1-Methylnaphthalene	10.495	142	101635	8.8240567 ppb		99
95) 2-Methylnaphthalene	10.617	142	61920	6.6317146 ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 06a.D
Acq On : 29 Jul 2014 6:28 pm
Operator : 644
Sample : MS 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:35 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

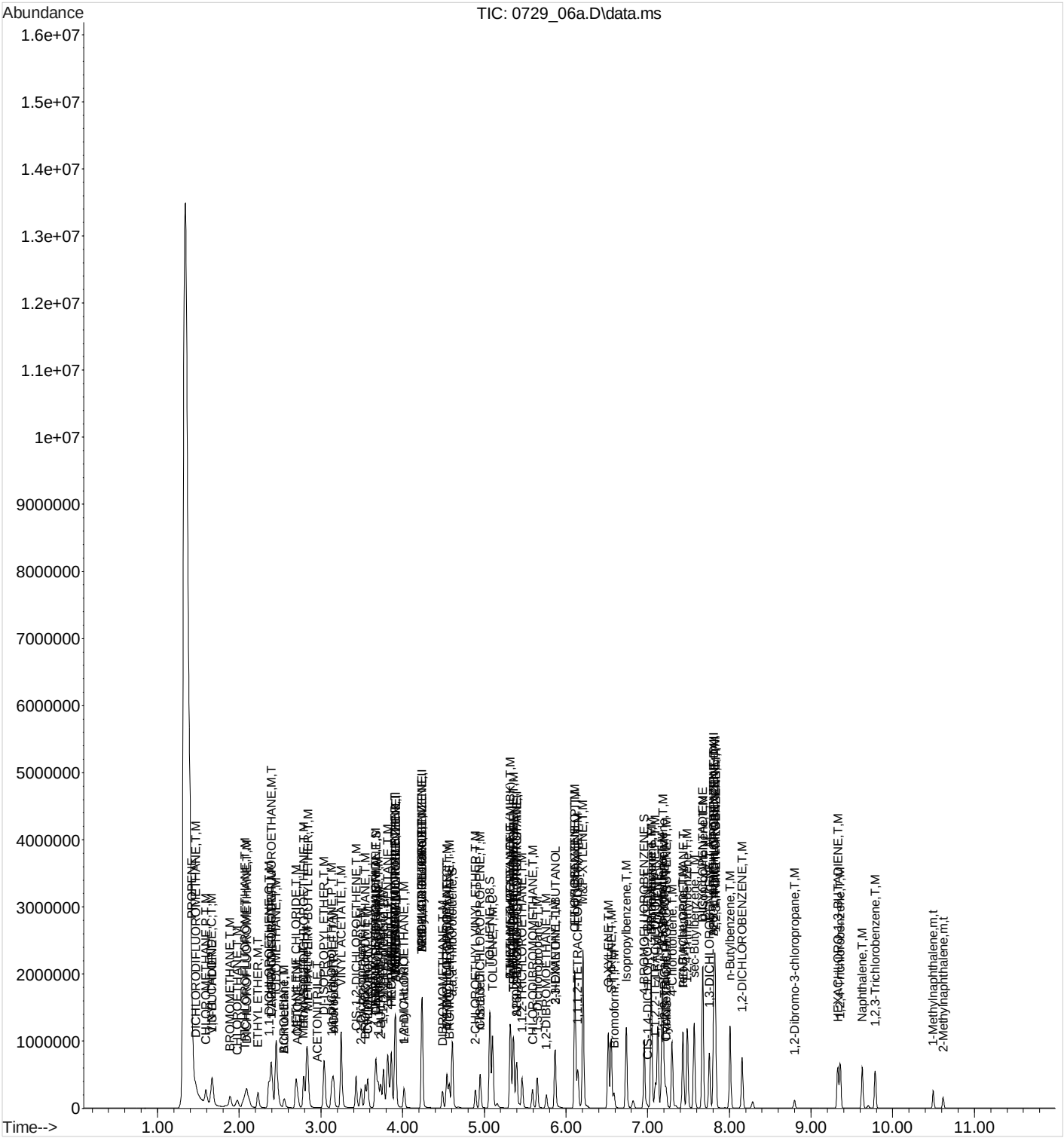
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	2.550	108	1872	0.3796649 ppb		98
99)	2-PROPANOL	0.000		0	N.D.		
100)	Methyl Acetate	2.782	43	14291	3.2437542 ppb	#	96
101)	ACETONITRILE	2.955	41	634	0.9983888 ppb	#	35
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.		
104)	chloroprene	3.155	53	267889	27.0583227 ppb	#	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
106)	PROPIONITRILE	3.862	54	2512	3.1593358 ppb	#	1
107)	Ethyl Acetate	3.560	43	648	N.D.		
108)	METHACRYLONITRILE	3.914	67	941	0.4024269 ppb	#	1
109)	Cyclohexane	3.573	84	10183	1.2186922 ppb	#	2
110)	tert-butyl formate	3.766	59	1130	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	4.016	59	855	1.5511791 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.907	73	11012	0.6480380 ppb	#	60
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	4.238	83	10327	0.3222059 ppb	#	49
117)	2-nitropropane	5.319	43	774607	403.3854303 ppb	#	37
118)	METHYL METHACRYLATE	4.540	41	84611	15.7662276 ppb	#	18
119)	1,4-DIOXANE	4.685	88	5110	No Calib	#	
120)	n-octane	4.952	85	3157	0.6198382 ppb	#	23
121)	3,3-DIMETHYL-1-BUTANOL	5.868	57	99181	157.6548971 ppb	#	46
123)	ETHYL METHACRYLATE	5.319	69	5023	0.5912546 ppb	#	1
124)	CIS-1,4-DICHLORO-2-BUTENE	6.997	53	2270	0.9866744 ppb	#	19
125)	Cyclohexanone	7.225	55	1023	0.7073692 ppb	#	21
126)	PENTACHLOROETHANE	7.434	117	17558	4.5226939 ppb	#	10
127)	Hexachloroethane	8.142	117	935	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 06a.D
Acq On : 29 Jul 2014 6:28 pm
Operator : 644
Sample : MS 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:35 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 07a.D
Acq On : 29 Jul 2014 6:48 pm
Operator : 644
Sample : MSD 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	319554	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.242	114	590035	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.399	79	115073	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.811	152	301679	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	319554	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.242	114	590035	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.399	79	115073	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.811	152	301679	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	183833	40.4284772 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 101.07%		
46) a,a,a-Trifluorotoluene	4.611	146	327716	40.5974249 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.49%		
50) TOLUENE-D8	5.071	98	761187	40.2901424 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 100.73%		
68) 4-BROMOFLUOROBENZENE	6.959	95	307676	40.4283951 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 101.07%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	4690995	No Calib	
3) PROPENE	1.422	41	19383	10.6960811 ppb	92
4) DICHLORODIFLUOROMETHANE	1.470	85	140783	27.1251419 ppb	100
5) CHLOROMETHANE	1.595	50	226713	25.4617747 ppb	99
6) VINYL CHLORIDE	1.666	62	226595	24.0495124 ppb	99
7) 1,3-BUTADIENE	1.676	39	136502	17.7905661 ppb	93
8) BROMOMETHANE	1.894	94	111146	22.6457377 ppb	98
9) CHLOROETHANE	1.984	66	37560	22.7583351 ppb	97
10) TRICHLOROFLUOROMETHANE	2.071	101	173995	21.3393385 ppb	99
11) DICHLOROFLUOROMETHANE	2.100	67	264590	22.6479978 ppb	99
12) ETHYL ETHER	2.229	59	111735	19.0743566 ppb	97
13) ACROLEIN	2.554	56	96308	93.3569817 ppb	98
14) 1,1-DICHLOROETHENE	2.364	61	242746	20.9759381 ppb	97
15) 1,1,2-TRICHLOROTRIFLUO...	2.402	101	146651	22.8016809 ppb	98
16) ACETONE	2.718	43	162832	103.2449560 ppb	94
17) IODOMETHANE	2.454	142	1164085	105.5506078 ppb	98
18) CARBON DISULFIDE	2.393	76	472452	17.6721590 ppb	99
19) METHYLENE CHLORIDE	2.695	84	149399	20.0217223 ppb	98
20) ACRYLONITRILE	3.155	53	254118	127.1153745 ppb	98
21) n-Hexane	2.830	56	151472	22.2595869 ppb	94
22) TRANS-1,2-DICHLOROETHENE	2.792	96	148812	22.6797842 ppb	99
23) METHYL TERT-BUTYL ETHER	2.840	73	359727	20.6149060 ppb	91
24) 1,1-DICHLOROETHANE	3.132	63	292878	23.3795848 ppb	98
25) VINYL ACETATE	3.248	43	1334230	102.9758248 ppb	99
26) DI-ISOPROPYL ETHER	3.042	45	514205	22.5289393 ppb	98
27) 2,2-Dichloropropane	3.492	77	147686	21.2982338 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.431	96	154421	23.2242336 ppb	99
29) 2-BUTANONE (MEK)	3.734	43	296399	115.9482215 ppb	99
30) BROMOCHLOROMETHANE	3.544	130	81717	20.1599249 ppb	92
31) TETRAHYDROFURAN	3.672	42	45354	23.0946118 ppb	97
32) CHLOROFORM	3.573	83	247546	20.7654986 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.705	97	193991	22.5846327 ppb	99
35) CARBON TETRACHLORIDE	3.669	117	197717	22.4314311 ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 07a.D
Acq On : 29 Jul 2014 6:48 pm
Operator : 644
Sample : MSD 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 1,1-Dichloropropene	3.769	75	223487	23.6999743	ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.820	57	719573	24.2170740	ppb		98
38) HEPTANE	3.862	43	303651	24.0251006	ppb	#	99
39) BENZENE	3.907	78	594287	22.9982220	ppb		99
40) 1,2-DICHLOROETHANE	4.020	62	163132	20.5475367	ppb		98
42) TRICHLOROETHENE	4.238	130	185414	29.0673886	ppb		99
43) 1,2-DICHLOROPROPANE	4.544	62	111881	22.0210014	ppb		98
44) DIBROMOMETHANE	4.489	93	75678	20.4084503	ppb		99
45) BROMODICHLOROMETHANE	4.573	83	172591	19.7867984	ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.894	63	20577	7.4101051	ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.952	75	228850	20.5299580	ppb		99
49) 4-METHYL-2-PENTANONE (...	5.319	58	283899	114.6823948	ppb		98
51) TOLUENE	5.103	91	603377	21.6326355	ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.357	110	46265	20.5087938	ppb		99
54) 1,1,2-TRICHLOROETHANE	5.463	97	112757	20.3436178	ppb		99
55) TETRACHLOROETHENE	5.357	164	109012	21.1461929	ppb		98
56) 1,3-Dichloropropane	5.650	76	213586	19.2257584	ppb		99
57) 2-HEXANONE	5.869	58	276546	107.3440458	ppb		100
58) CHLORODIBROMOMETHANE	5.592	129	117018	17.9381958	ppb		99
59) 1,2-DIBROMOETHANE	5.762	107	114865	19.3796734	ppb		98
60) CHLOROBENZENE	6.110	112	391501	20.4767526	ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	120369	19.2472910	ppb		99
62) ETHYLBENZENE	6.113	106	221148	20.9471931	ppb		98
63) M&P-XYLENE	6.209	106	544325	42.6183618	ppb		99
64) O-XYLENE	6.518	106	257471	19.9085751	ppb		98
65) STYRENE	6.553	104	407033	20.5992493	ppb		99
66) Bromoform	6.589	173	71288	18.0102503	ppb		98
67) Isopropylbenzene	6.740	105	698562	21.8163439	ppb		99
69) Bromobenzene	7.045	77	291173	20.3958031	ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.097	83	163196	21.0923902	ppb		98
71) 1,2,3-TRICHLOROPROPANE	7.206	110	43319	20.0542790	ppb		99
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	44723	20.8107241	ppb		96
73) n-Propylbenzene	7.045	91	834461	22.0907944	ppb		99
74) 4-ETHYLTOLUENE	7.126	105	651075	21.5590976	ppb		100
75) 2-Chlorotoluene	7.177	126	157968	20.5376637	ppb		94
76) 4-Chlorotoluene	7.299	91	469083	20.9508269	ppb		100
77) 1,3,5-Trimethylbenzene	7.187	105	550571	20.8929792	ppb		99
78) tert-Butylbenzene	7.431	119	474778	21.2634430	ppb		98
79) 1,2,4-Trimethylbenzene	7.486	105	530064	20.3559053	ppb		99
80) sec-Butylbenzene	7.569	105	765985	21.9932282	ppb		100
81) 1,3-DICHLOROBENZENE	7.756	146	272787	20.1428072	ppb		99
82) p-Isopropyltoluene	7.676	119	605558	21.6300982	ppb		98
83) DICYCLOPENTADIENE	7.672	66	700469	21.5156443	ppb		99
85) 1,4-DICHLOROBENZENE	7.823	146	278862	19.4166664	ppb	#	77
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	532802	18.3383197	ppb		99
87) 1,2-DICHLOROBENZENE	8.158	146	249237	19.3088180	ppb		100
88) n-Butylbenzene	8.010	91	577616	21.7017988	ppb		100
89) 1,2-Dibromo-3-chloropr...	8.798	157	26836	18.1397131	ppb		99
90) 1,2,4-Trichlorobenzene	9.357	180	167814	19.3427123	ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.328	225	97804	20.7007259	ppb		99
92) Naphthalene	9.627	128	388270	18.6355210	ppb		100
93) 1,2,3-Trichlorobenzene	9.785	180	144201	17.9538509	ppb		99
94) 1-Methylnaphthalene	10.495	142	104299	9.4384185	ppb		99
95) 2-Methylnaphthalene	10.618	142	62779	7.0081496	ppb		97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 07a.D
Acq On : 29 Jul 2014 6:48 pm
Operator : 644
Sample : MSD 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	2.560	108	1843	0.3815140 ppb		92
99)	2-PROPANOL	0.000		0	N.D.		
100)	Methyl Acetate	2.782	43	12664	2.9339091 ppb	#	99
101)	ACETONITRILE	2.955	41	761	1.2231664 ppb	#	35
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	2.885	59	847	1.2266816 ppb	#	62
104)	chloroprene	3.155	53	254118	26.1982242 ppb	#	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
106)	PROPIONITRILE	3.862	54	2306	2.9602330 ppb	#	1
107)	Ethyl Acetate	3.631	43	558	N.D.		
108)	METHACRYLONITRILE	3.914	67	1059	0.4622572 ppb	#	1
109)	Cyclohexane	3.573	84	9494	1.1597329 ppb	#	3
110)	tert-butyl formate	3.814	59	650	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	4.020	59	840	1.5554840 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.907	73	10561	0.6343512 ppb	#	63
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	4.238	83	9731	N.D.		
117)	2-nitropropane	5.319	43	735914	389.0000402 ppb	#	37
118)	METHYL METHACRYLATE	4.544	41	79675	15.0697770 ppb	#	18
119)	1,4-DIOXANE	4.685	88	2620	No Calib #		
120)	n-octane	4.952	85	2848	0.5675806 ppb	#	23
121)	3,3-DIMETHYL-1-BUTANOL	5.869	57	93270	150.4889978 ppb	#	46
123)	ETHYL METHACRYLATE	5.319	69	4528	0.5436275 ppb	#	1
124)	CIS-1,4-DICHLORO-2-BUTENE	6.997	53	2383	1.0564664 ppb	#	20
125)	Cyclohexanone	7.229	55	843	0.5945410 ppb	#	21
126)	PENTACHLOROETHANE	7.434	117	16383	4.3042675 ppb	#	10
127)	Hexachloroethane	8.135	117	813	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 07a.D
Acq On : 29 Jul 2014 6:48 pm
Operator : 644
Sample : MSD 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
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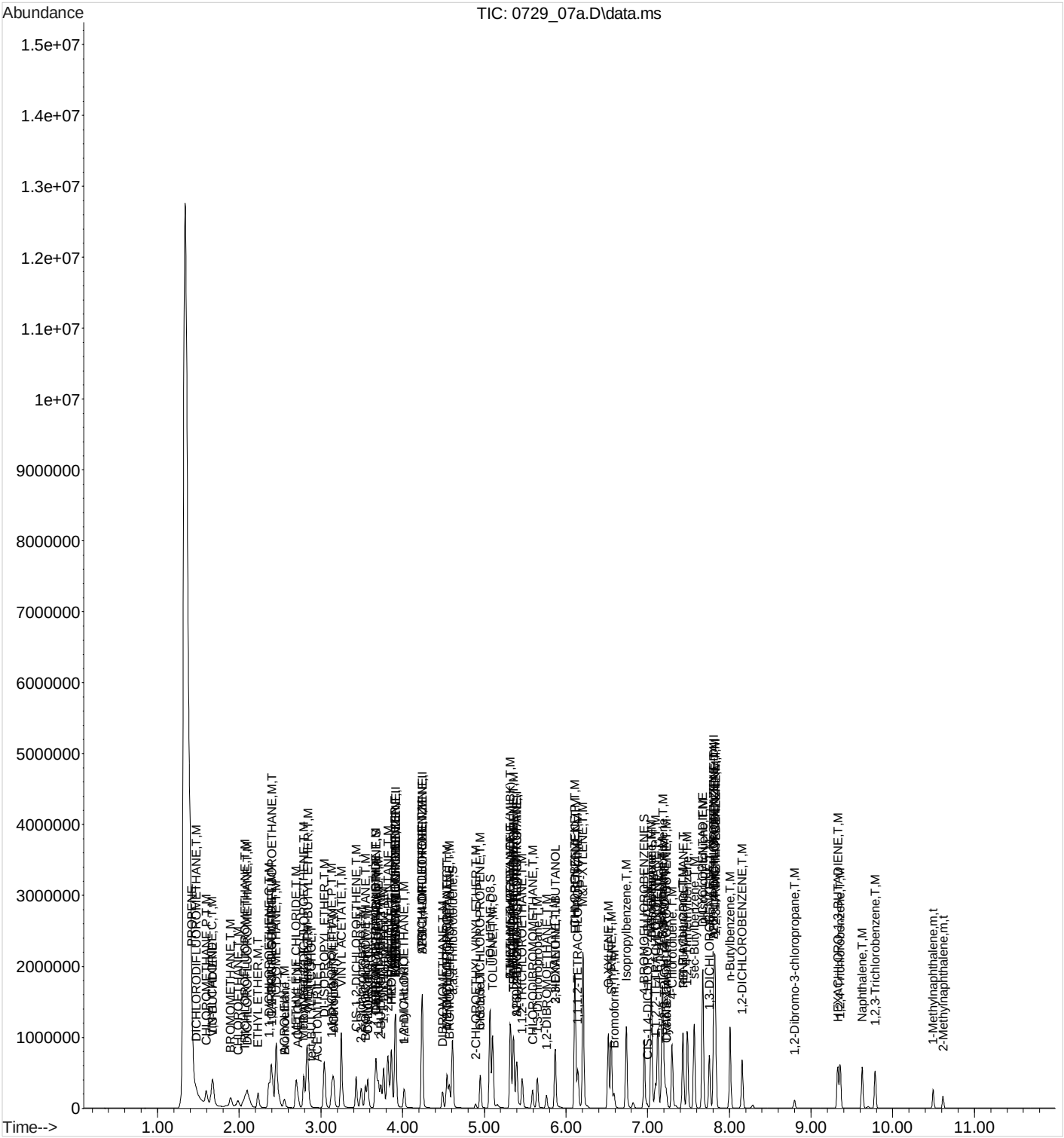

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 07a.D
Acq On : 29 Jul 2014 6:48 pm
Operator : 644
Sample : MSD 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	319554	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.242	114	590035	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.399	79	115073	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.811	152	301679	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	319554	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.242	114	590035	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.399	79	115073	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.811	152	301679	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	183833	40.4284772 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 101.07%		
46) a,a,a-Trifluorotoluene	4.611	146	327716	40.5974249 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.49%		
50) TOLUENE-D8	5.071	98	761187	40.2901424 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 100.73%		
68) 4-BROMOFLUOROBENZENE	6.959	95	307676	40.4283951 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 101.07%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	4690995	No Calib	
3) PROPENE	1.422	41	19383	10.6960811 ppb	92
4) DICHLORODIFLUOROMETHANE	1.470	85	140783	27.1251419 ppb	100
5) CHLOROMETHANE	1.595	50	226713	25.4617747 ppb	99
6) VINYL CHLORIDE	1.666	62	226595	24.0495124 ppb	99
7) 1,3-BUTADIENE	1.676	39	136502	17.7905661 ppb	93
8) BROMOMETHANE	1.894	94	111146	22.6457377 ppb	98
9) CHLOROETHANE	1.984	66	37560	22.7583351 ppb	97
10) TRICHLOROFLUOROMETHANE	2.071	101	173995	21.3393385 ppb	99
11) DICHLOROFLUOROMETHANE	2.100	67	264590	22.6479978 ppb	99
12) ETHYL ETHER	2.229	59	111735	19.0743566 ppb	97
13) ACROLEIN	2.554	56	96308	93.3569817 ppb	98
14) 1,1-DICHLOROETHENE	2.364	61	242746	20.9759381 ppb	97
15) 1,1,2-TRICHLOROTRIFLUO...	2.402	101	146651	22.8016809 ppb	98
16) ACETONE	2.718	43	162832	103.2449560 ppb	94
17) IODOMETHANE	2.454	142	1164085	105.5506078 ppb	98
18) CARBON DISULFIDE	2.393	76	472452	17.6721590 ppb	99
19) METHYLENE CHLORIDE	2.695	84	149399	20.0217223 ppb	98
20) ACRYLONITRILE	3.155	53	254118	127.1153745 ppb	98
21) n-Hexane	2.830	56	151472	22.2595869 ppb	94
22) TRANS-1,2-DICHLOROETHENE	2.792	96	148812	22.6797842 ppb	99
23) METHYL TERT-BUTYL ETHER	2.840	73	359727	20.6149060 ppb	91
24) 1,1-DICHLOROETHANE	3.132	63	292878	23.3795848 ppb	98
25) VINYL ACETATE	3.248	43	1334230	102.9758248 ppb	99
26) DI-ISOPROPYL ETHER	3.042	45	514205	22.5289393 ppb	98
27) 2,2-Dichloropropane	3.492	77	147686	21.2982338 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.431	96	154421	23.2242336 ppb	99
29) 2-BUTANONE (MEK)	3.734	43	296399	115.9482215 ppb	99
30) BROMOCHLOROMETHANE	3.544	130	81717	20.1599249 ppb	92
31) TETRAHYDROFURAN	3.672	42	45354	23.0946118 ppb	97
32) CHLOROFORM	3.573	83	247546	20.7654986 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.705	97	193991	22.5846327 ppb	99
35) CARBON TETRACHLORIDE	3.669	117	197717	22.4314311 ppb	99

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Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 07a.D
Acq On : 29 Jul 2014 6:48 pm
Operator : 644
Sample : MSD 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.769	75	223487	23.6999743 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.820	57	719573	24.2170740 ppb		98
38) HEPTANE	3.862	43	303651	24.0251006 ppb	#	99
39) BENZENE	3.907	78	594287	22.9982220 ppb		99
40) 1,2-DICHLOROETHANE	4.020	62	163132	20.5475367 ppb		98
42) TRICHLOROETHENE	4.238	130	185414	29.0673886 ppb		99
43) 1,2-DICHLOROPROPANE	4.544	62	111881	22.0210014 ppb		98
44) DIBROMOMETHANE	4.489	93	75678	20.4084503 ppb		99
45) BROMODICHLOROMETHANE	4.573	83	172591	19.7867984 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.894	63	20577	7.4101051 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.952	75	228850	20.5299580 ppb		99
49) 4-METHYL-2-PENTANONE (...	5.319	58	283899	114.6823948 ppb		98
51) TOLUENE	5.103	91	603377	21.6326355 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.357	110	46265	20.5087938 ppb		99
54) 1,1,2-TRICHLOROETHANE	5.463	97	112757	20.3436178 ppb		99
55) TETRACHLOROETHENE	5.357	164	109012	21.1461929 ppb		98
56) 1,3-Dichloropropane	5.650	76	213586	19.2257584 ppb		99
57) 2-HEXANONE	5.869	58	276546	107.3440458 ppb		100
58) CHLORODIBROMOMETHANE	5.592	129	117018	17.9381958 ppb		99
59) 1,2-DIBROMOETHANE	5.762	107	114865	19.3796734 ppb		98
60) CHLOROBENZENE	6.110	112	391501	20.4767526 ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	120369	19.2472910 ppb		99
62) ETHYLBENZENE	6.113	106	221148	20.9471931 ppb		98
63) M&P-XYLENE	6.209	106	544325	42.6183618 ppb		99
64) O-XYLENE	6.518	106	257471	19.9085751 ppb		98
65) STYRENE	6.553	104	407033	20.5992493 ppb		99
66) Bromoform	6.589	173	71288	18.0102503 ppb		98
67) Isopropylbenzene	6.740	105	698562	21.8163439 ppb		99
69) Bromobenzene	7.045	77	291173	20.3958031 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.097	83	163196	21.0923902 ppb		98
71) 1,2,3-TRICHLOROPROPANE	7.206	110	43319	20.0542790 ppb		99
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	44723	20.8107241 ppb		96
73) n-Propylbenzene	7.045	91	834461	22.0907944 ppb		99
74) 4-ETHYLTOLUENE	7.126	105	651075	21.5590976 ppb		100
75) 2-Chlorotoluene	7.177	126	157968	20.5376637 ppb		94
76) 4-Chlorotoluene	7.299	91	469083	20.9508269 ppb		100
77) 1,3,5-Trimethylbenzene	7.187	105	550571	20.8929792 ppb		99
78) tert-Butylbenzene	7.431	119	474778	21.2634430 ppb		98
79) 1,2,4-Trimethylbenzene	7.486	105	530064	20.3559053 ppb		99
80) sec-Butylbenzene	7.569	105	765985	21.9932282 ppb		100
81) 1,3-DICHLOROBENZENE	7.756	146	272787	20.1428072 ppb		99
82) p-Isopropyltoluene	7.676	119	605558	21.6300982 ppb		98
83) DICYCLOPENTADIENE	7.672	66	700469	21.5156443 ppb		99
85) 1,4-DICHLOROBENZENE	7.823	146	278862	19.4166664 ppb	#	77
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	532802	18.3383197 ppb		99
87) 1,2-DICHLOROBENZENE	8.158	146	249237	19.3088180 ppb		100
88) n-Butylbenzene	8.010	91	577616	21.7017988 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.798	157	26836	18.1397131 ppb		99
90) 1,2,4-Trichlorobenzene	9.357	180	167814	19.3427123 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.328	225	97804	20.7007259 ppb		99
92) Naphthalene	9.627	128	388270	18.6355210 ppb		100
93) 1,2,3-Trichlorobenzene	9.785	180	144201	17.9538509 ppb		99
94) 1-Methylnaphthalene	10.495	142	104299	9.4384185 ppb		99
95) 2-Methylnaphthalene	10.618	142	62779	7.0081496 ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 07a.D
Acq On : 29 Jul 2014 6:48 pm
Operator : 644
Sample : MSD 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

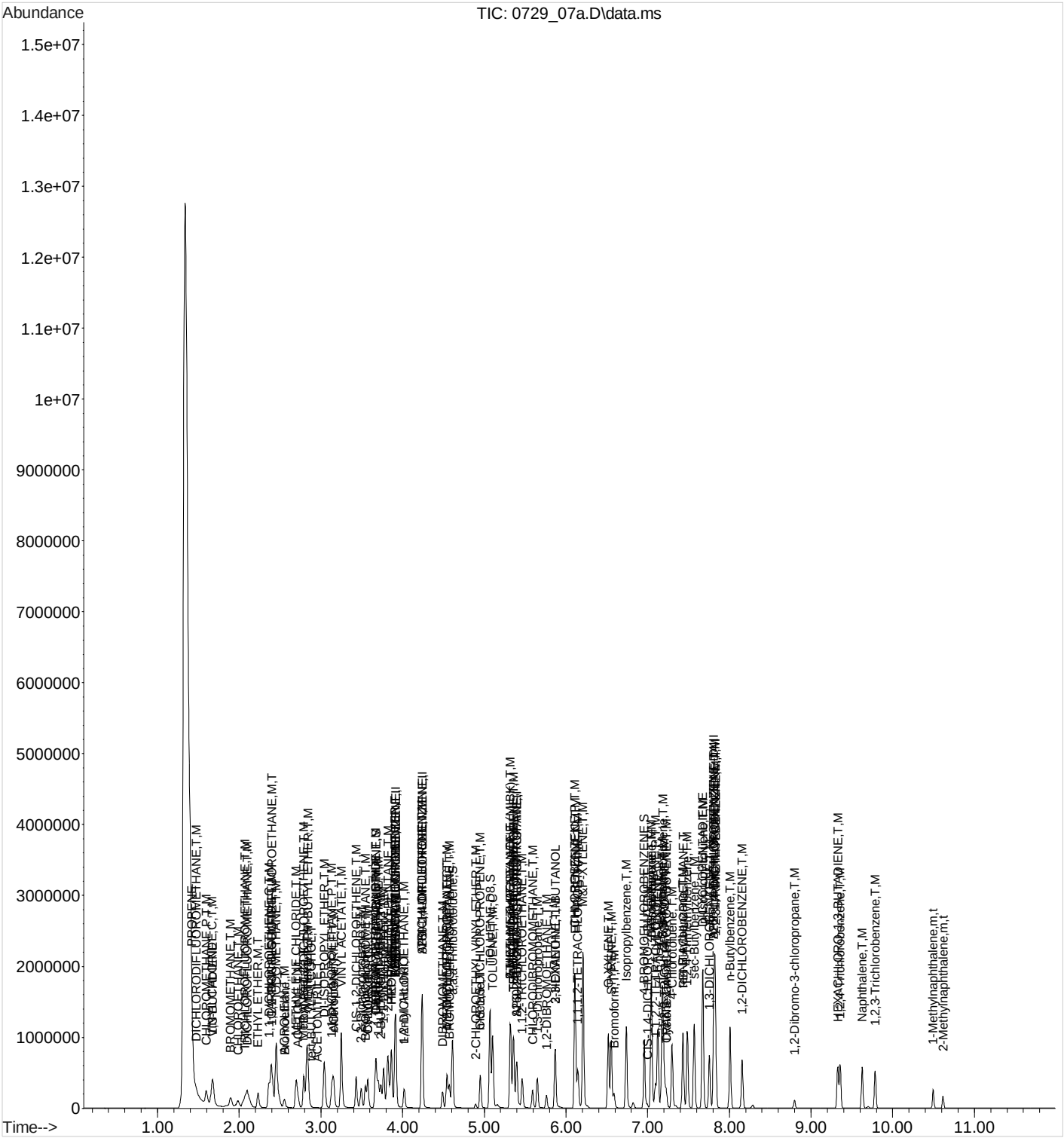
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	2.560	108	1843	0.3815140 ppb		92
99)	2-PROPANOL	0.000		0	N.D.		
100)	Methyl Acetate	2.782	43	12664	2.9339091 ppb	#	99
101)	ACETONITRILE	2.955	41	761	1.2231664 ppb	#	35
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	2.885	59	847	1.2266816 ppb	#	62
104)	chloroprene	3.155	53	254118	26.1982242 ppb	#	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
106)	PROPIONITRILE	3.862	54	2306	2.9602330 ppb	#	1
107)	Ethyl Acetate	3.631	43	558	N.D.		
108)	METHACRYLONITRILE	3.914	67	1059	0.4622572 ppb	#	1
109)	Cyclohexane	3.573	84	9494	1.1597329 ppb	#	3
110)	tert-butyl formate	3.814	59	650	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	4.020	59	840	1.5554840 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.907	73	10561	0.6343512 ppb	#	63
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	4.238	83	9731	N.D.		
117)	2-nitropropane	5.319	43	735914	389.0000402 ppb	#	37
118)	METHYL METHACRYLATE	4.544	41	79675	15.0697770 ppb	#	18
119)	1,4-DIOXANE	4.685	88	2620	No Calib #		
120)	n-octane	4.952	85	2848	0.5675806 ppb	#	23
121)	3,3-DIMETHYL-1-BUTANOL	5.869	57	93270	150.4889978 ppb	#	46
123)	ETHYL METHACRYLATE	5.319	69	4528	0.5436275 ppb	#	1
124)	CIS-1,4-DICHLORO-2-BUTENE	6.997	53	2383	1.0564664 ppb	#	20
125)	Cyclohexanone	7.229	55	843	0.5945410 ppb	#	21
126)	PENTACHLOROETHANE	7.434	117	16383	4.3042675 ppb	#	10
127)	Hexachloroethane	8.135	117	813	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 07a.D
Acq On : 29 Jul 2014 6:48 pm
Operator : 644
Sample : MSD 1x WG734030 L712424-05
Misc : water IS/SURR14F17495/spk14G29935
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 09a.D
Acq On : 29 Jul 2014 7:28 pm
Operator : 644
Sample : BLANK 1x WG734030
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:53 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	321040	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.242	114	585713	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.399	79	109166	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.811	152	281894	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	321040	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.242	114	585713	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.399	79	109166	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.811	152	281894	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	179362	39.2626364 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 98.16%		
46) a,a,a-Trifluorotoluene	4.611	146	329082	41.0674636 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.67%		
50) TOLUENE-D8	5.071	98	765191	40.8009433 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 102.00%		
68) 4-BROMOFLUOROBENZENE	6.958	95	296695	41.0950152 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 102.74%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -4933447		No Calib	
3) PROPENE	1.415	41	927	0.5091767 ppb #	89
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	0.000		0	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	0.000		0	N.D.	
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.724	43	4313	2.7220347 ppb	95
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.390	76	2187	N.D.	
19) METHYLENE CHLORIDE	2.698	84	7533	1.0048629 ppb	92
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	0.000		0	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	0.000		0	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.743	43	2008	0.7818729 ppb #	47
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.676	42	3509	1.7785396 ppb	97
32) CHLOROFORM	0.000		0	N.D.	
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 09a.D
Acq On : 29 Jul 2014 7:28 pm
Operator : 644
Sample : BLANK 1x WG734030
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:53 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
38) HEPTANE	3.926	43	546	N.D.	
39) BENZENE	0.000		0	N.D.	
40) 1,2-DICHLOROETHANE	3.917	62	1070	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.611	62	5485	1.0875526 ppb #	38
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
51) TOLUENE	5.106	91	571	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	0.000		0	N.D.	
57) 2-HEXANONE	0.000		0	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	0.000		0	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	0.000		0	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	0.000		0	N.D.	
69) Bromobenzene	6.958	77	1610	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	6.958	91	653	N.D.	
74) 4-ETHYLTOLUENE	0.000		0	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.299	91	512	N.D.	
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
78) tert-Butylbenzene	0.000		0	N.D.	
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	
80) sec-Butylbenzene	0.000		0	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	0.000		0	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.823	146	674	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	622	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	8.013	91	587	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.360	180	521	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.630	128	3099	N.D.	
93) 1,2,3-Trichlorobenzene	9.782	180	579	N.D.	
94) 1-Methylnaphthalene	10.499	142	2076	N.D.	
95) 2-Methylnaphthalene	10.617	142	1245	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 09a.D
Acq On : 29 Jul 2014 7:28 pm
Operator : 644
Sample : BLANK 1x WG734030
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:53 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

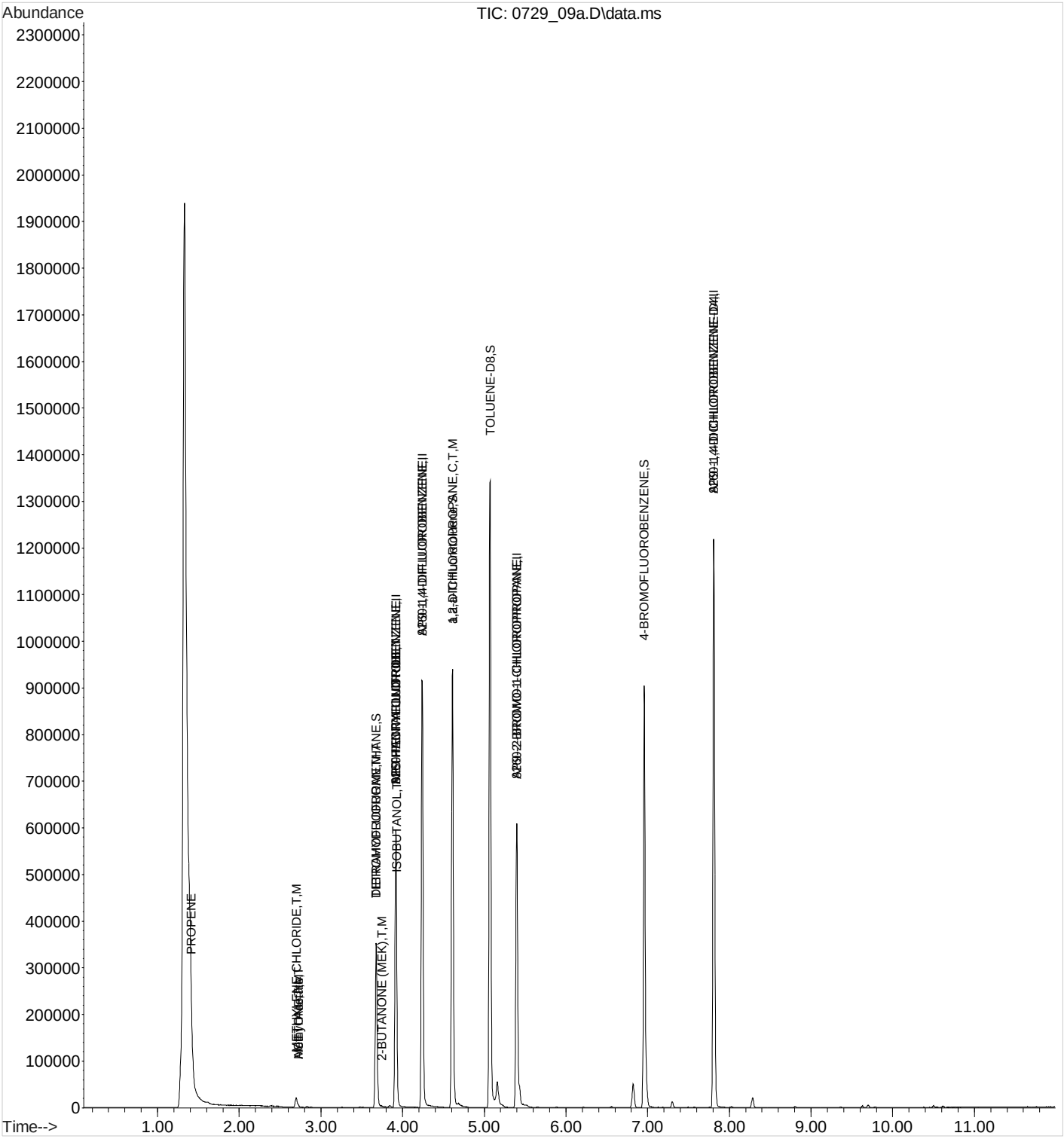
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.724	43	4313	0.9945814 ppb #	56
101)	ACETONITRILE	0.000		0	N.D.	
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.669	43	739	N.D.	
108)	METHACRYLONITRILE	3.917	67	781	0.3393313 ppb #	1
109)	Cyclohexane	0.000		0	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.926	43	546	1.4763834 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.238	83	6321	Below Cal #	38
117)	2-nitropropane	0.000		0	N.D.	
118)	METHYL METHACRYLATE	0.000		0	N.D.	
119)	1,4-DIOXANE	4.685	88	2509	No Calib #	
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 09a.D
Acq On : 29 Jul 2014 7:28 pm
Operator : 644
Sample : BLANK 1x WG734030
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Aug 01 14:43:53 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 09a.D
Acq On : 29 Jul 2014 7:28 pm
Operator : 644
Sample : BLANK 1x WG734030
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:23:34 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

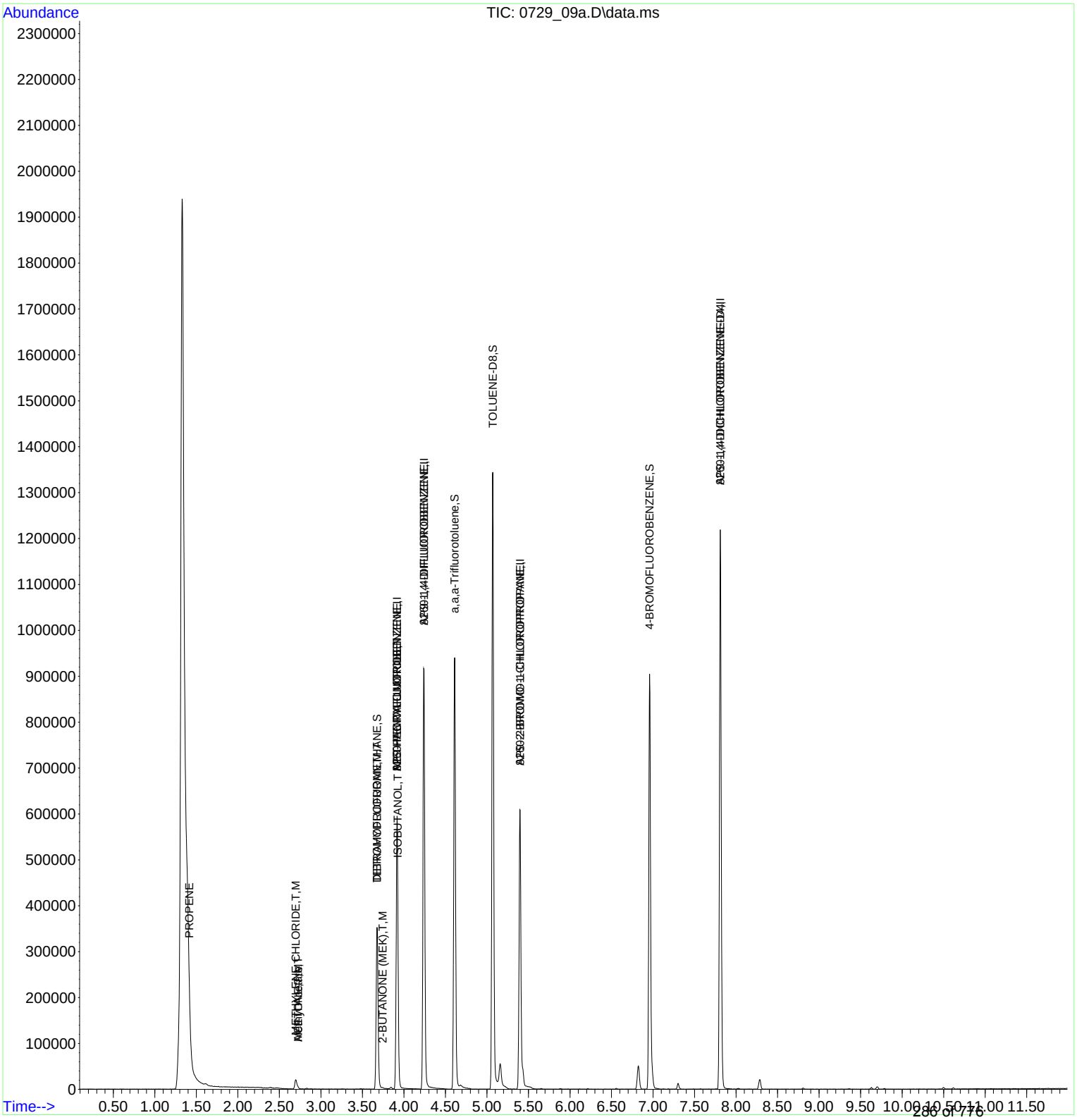
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	321040	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.242	114	585713	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.399	79	109166	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.811	152	281894	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	321040	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.242	114	585713	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.399	79	109166	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.811	152	281894	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	179362	39.2626364 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 98.16%		
46) a,a,a-Trifluorotoluene	4.611	146	329082	41.0674636 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.67%		
50) TOLUENE-D8	5.071	98	765191	40.8009433 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 102.00%		
68) 4-BROMOFLUOROBENZENE	6.958	95	296695	41.0950152 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 102.74%		
Target Compounds					Qvalue
3) PROPENE	1.415	41	927	0.5091767 ppb #	89
16) ACETONE	2.724	43	4313	2.7220347 ppb	95
19) METHYLENE CHLORIDE	2.698	84	7533	1.0048629 ppb	92
29) 2-BUTANONE (MEK)	3.743	43	2008	0.7818729 ppb #	47
31) TETRAHYDROFURAN	3.676	42	3509	1.7785396 ppb	97
100) Methyl Acetate	2.724	43	4313	0.9945814 ppb #	56
108) METHACRYLONITRILE	3.917	67	781	0.3393313 ppb #	1
111) ISOBUTANOL	3.926	43	546	1.4763834 ppb #	1
116) Methyl Cyclohexane	4.238	83	6321	Below Cal #	38

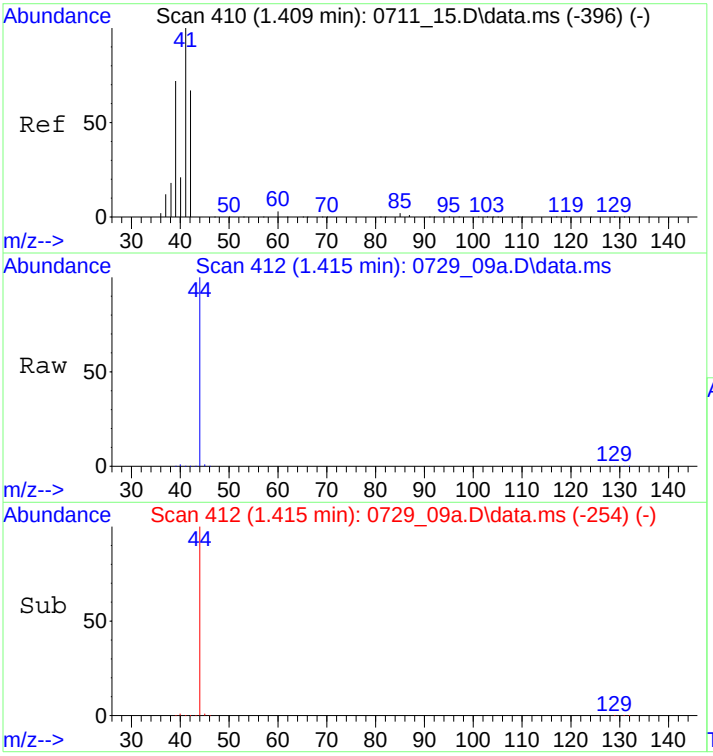
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 09a.D
Acq On : 29 Jul 2014 7:28 pm
Operator : 644
Sample : BLANK 1x WG734030
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:23:34 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

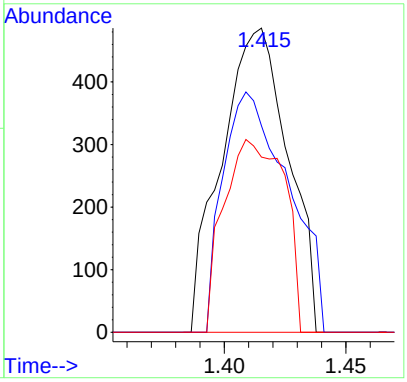


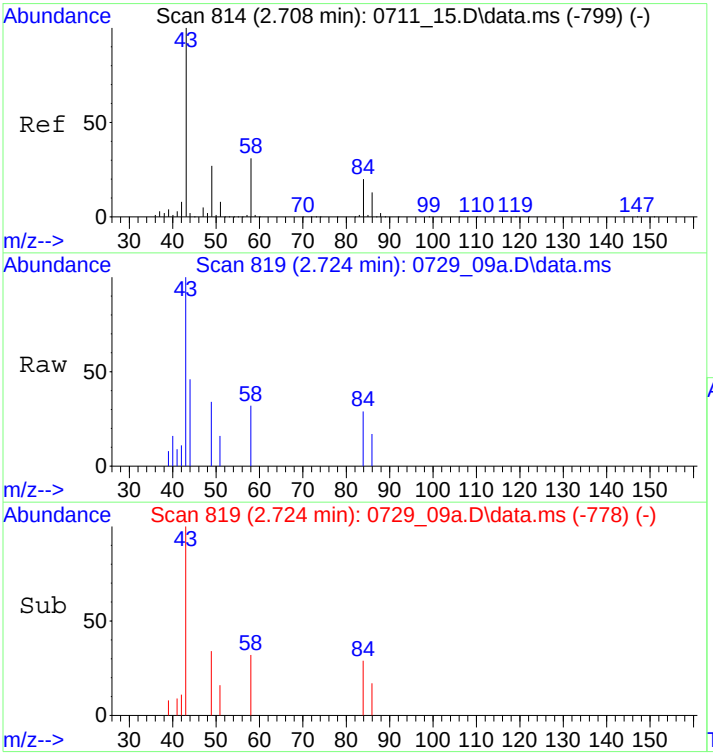


#3
PROPENE
Concen: 0.5091767 ppb
RT: 1.415 min Scan# 412
Delta R.T. 0.007 min
Lab File: 0729 09a.D
Acq: 29 Jul 2014 7:28 pm

Tgt Ion: 41 Resp: 927

Ion	Ratio	Lower	Upper
41	100		
39	77.7	59.4	89.2
42	57.5	58.1	87.1#

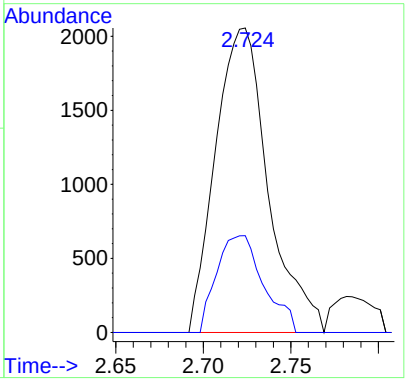


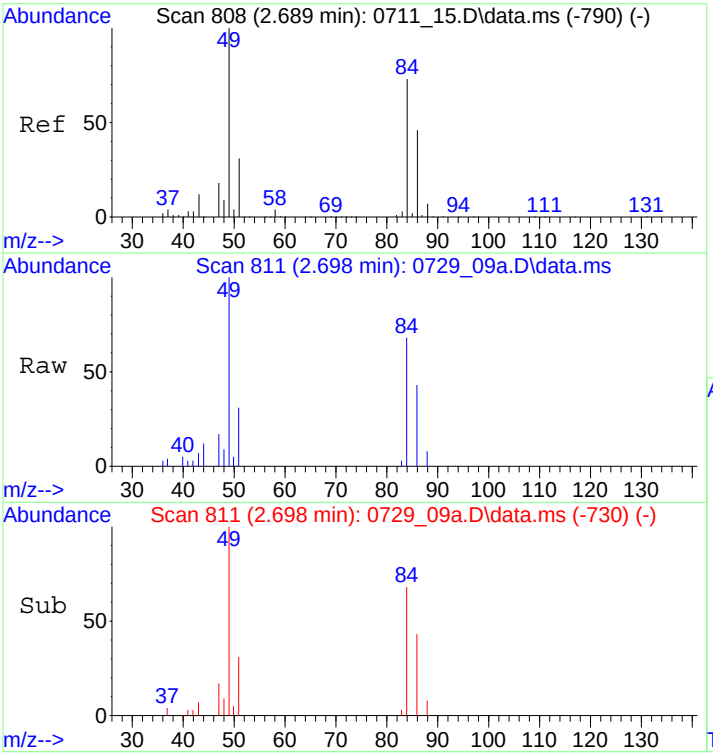


#16
ACETONE
Concen: 2.7220347 ppb
RT: 2.724 min Scan# 819
Delta R.T. 0.013 min
Lab File: 0729_09a.D
Acq: 29 Jul 2014 7:28 pm

Tgt Ion: 43 Resp: 4313

Ion	Ratio	Lower	Upper
43	100		
58	28.3	24.6	37.0

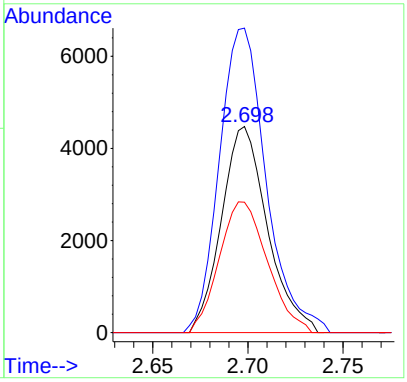


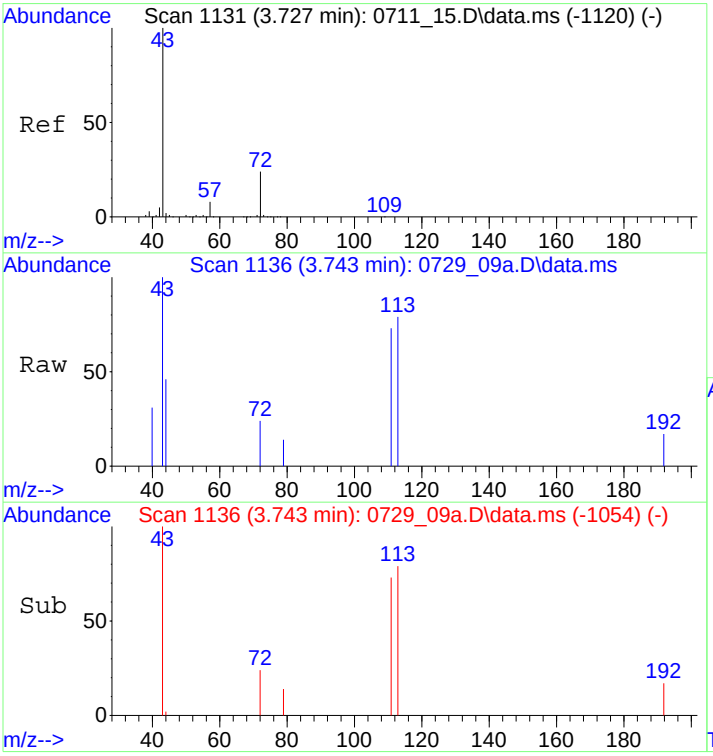


#19
METHYLENE CHLORIDE
Concen: 1.0048629 ppb
RT: 2.698 min Scan# 811
Delta R.T. 0.010 min
Lab File: 0729 09a.D
Acq: 29 Jul 2014 7:28 pm

Tgt Ion: 84 Resp: 7533

Ion	Ratio	Lower	Upper
84	100		
49	150.3	110.7	166.1
86	66.5	51.1	76.7

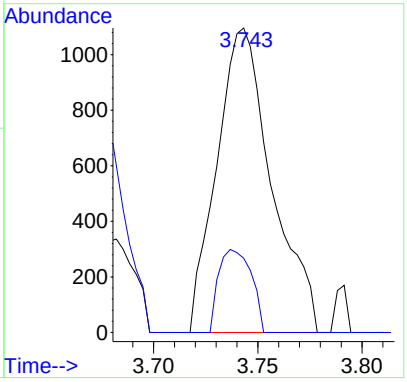


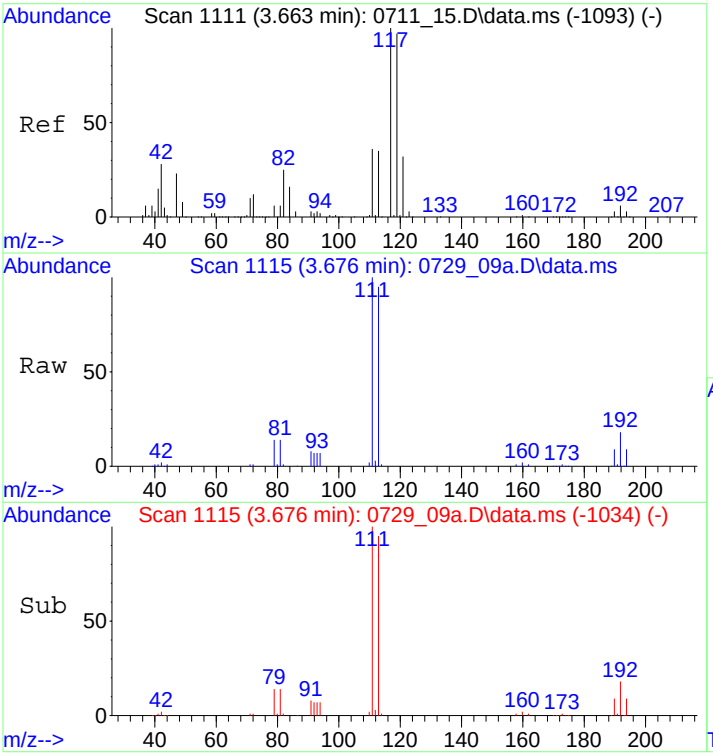


#29
2-BUTANONE (MEK)
Concen: 0.7818729 ppb
RT: 3.743 min Scan# 1136
Delta R.T. 0.013 min
Lab File: 0729_09a.D
Acq: 29 Jul 2014 7:28 pm

Tgt Ion: 43 Resp: 2008

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#

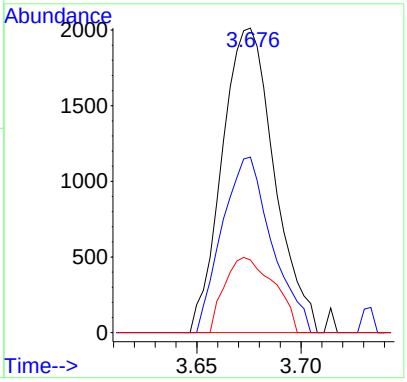


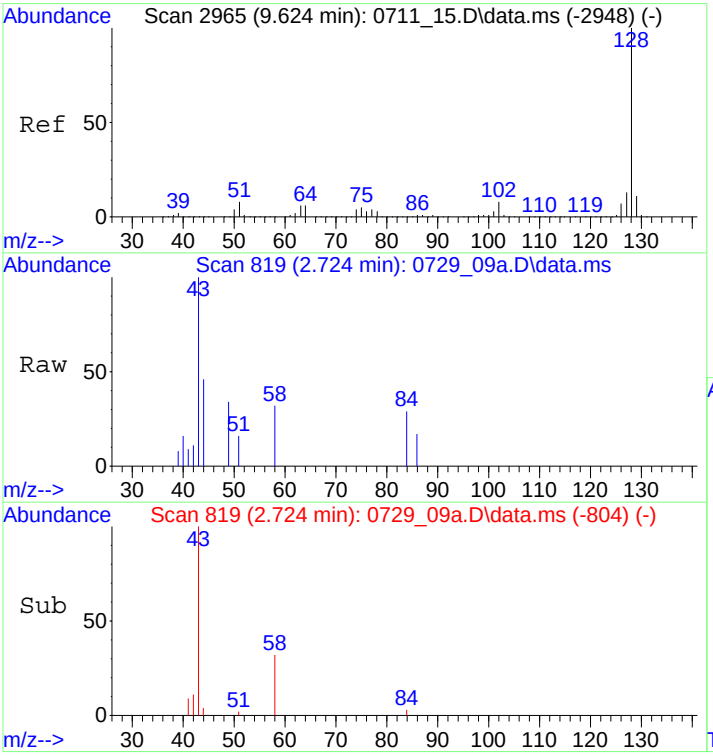


#31
TETRAHYDROFURAN
Concen: 1.7785396 ppb
RT: 3.676 min Scan# 1115
Delta R.T. 0.010 min
Lab File: 0729 09a.D
Acq: 29 Jul 2014 7:28 pm

Tgt Ion: 42 Resp: 3509

Ion	Ratio	Lower	Upper
42	100		
41	54.8	42.4	63.6
39	23.3	17.4	26.2

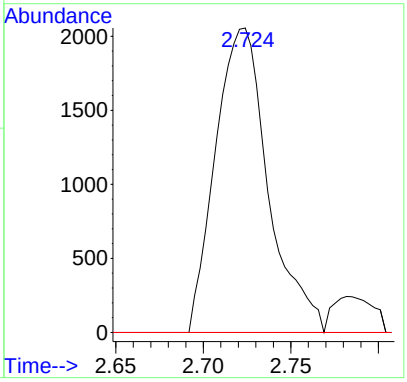


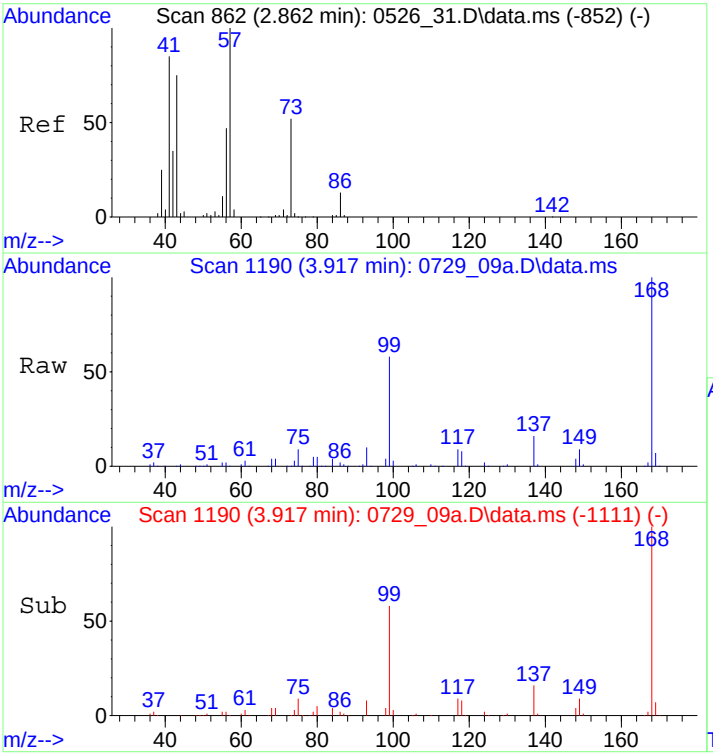


#100
Methyl Acetate
Concen: 0.9945814 ppb
RT: 2.724 min Scan# 819
Delta R.T. -0.052 min
Lab File: 0729_09a.D
Acq: 29 Jul 2014 7:28 pm

Tgt Ion: 43 Resp: 4313

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.1	24.1#
29	0.0	0.0	0.0

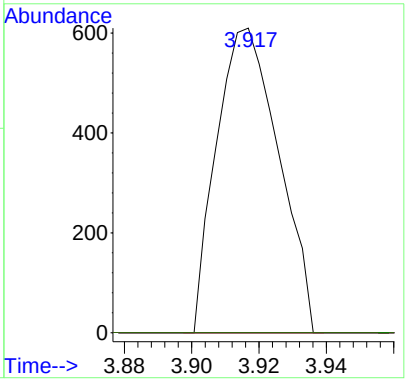


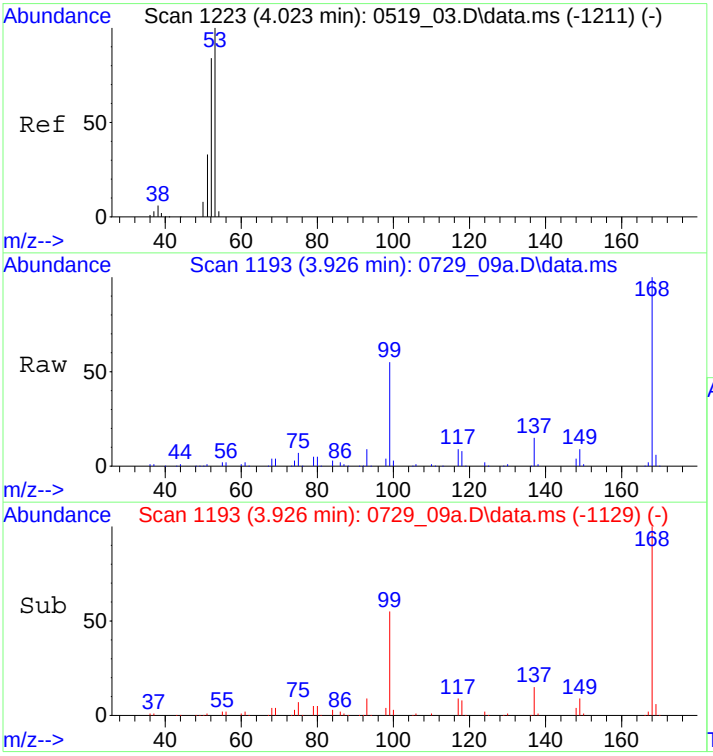


#108
METHACRYLONITRILE
Concen: 0.3393313 ppb
RT: 3.917 min Scan# 1190
Delta R.T. 0.003 min
Lab File: 0729 09a.D
Acq: 29 Jul 2014 7:28 pm

Tgt Ion: 67 Resp: 781

Ion	Ratio	Lower	Upper
67	100		
41	0.0	124.7	187.1#
39	0.0	66.9	100.3#
52	0.0	37.3	55.9#

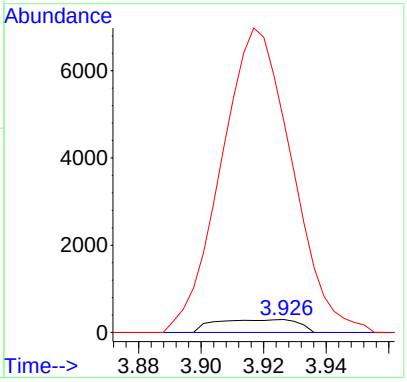




#111
ISOBUTANOL
Concen: 1.4763834 ppb
RT: 3.926 min Scan# 1193
Delta R.T. -0.045 min
Lab File: 0729_09a.D
Acq: 29 Jul 2014 7:28 pm

Tgt Ion: 43 Resp: 546

Ion	Ratio	Lower	Upper
43	100		
41	0.0	56.9	85.3#
74	2007.5	5.4	8.2#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 12A.D
Acq On : 29 Jul 2014 8:38 pm
Operator : 644
Sample : L712424-08 1x WG734030 V8260 TB
Misc : water IS/SURR14F17495
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:20:53 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

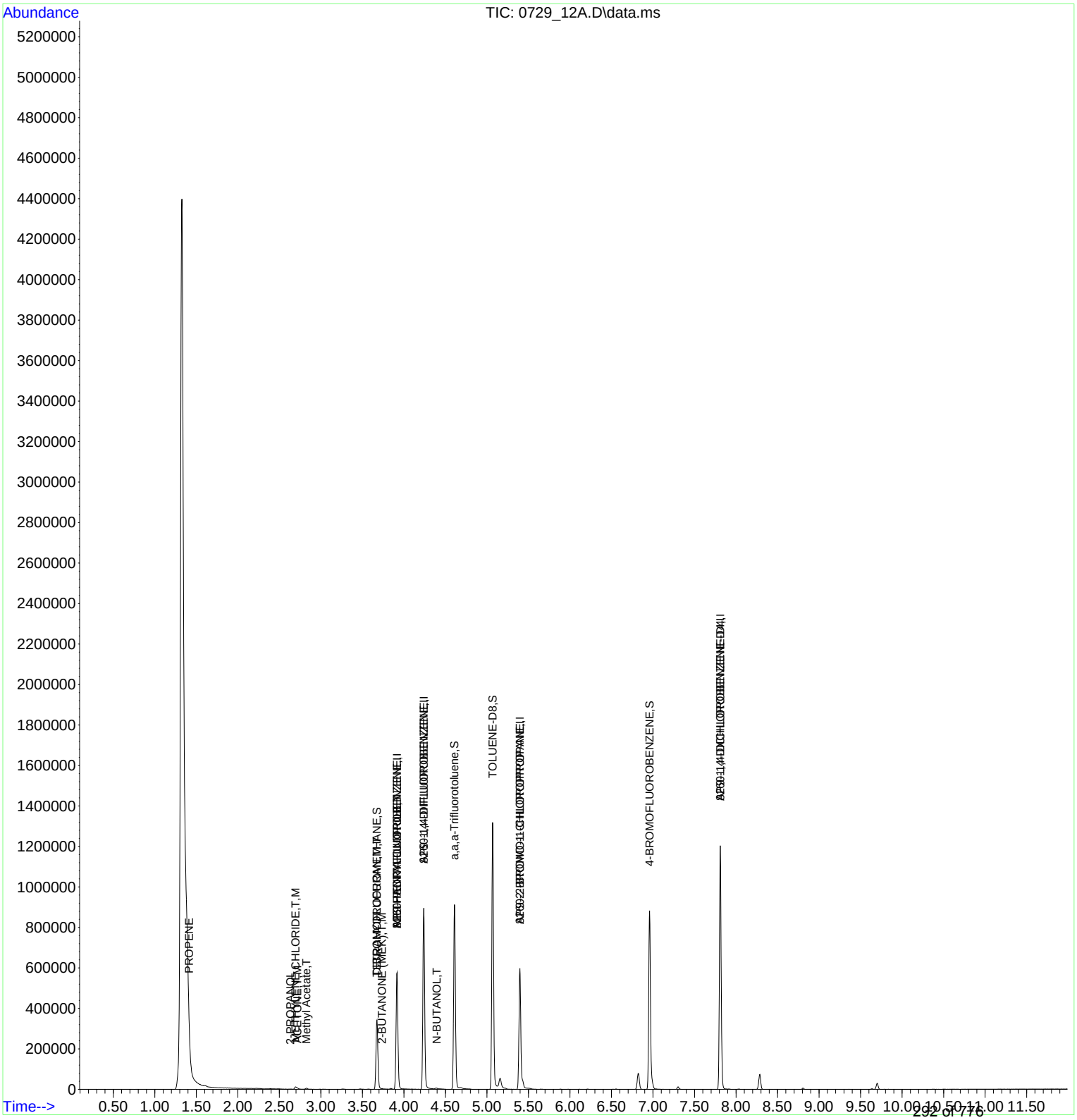
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	305014	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	562021	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	106235	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.811	152	275212	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	305014	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	562021	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	106235	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.811	152	275212	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	174235	40.1442910 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 100.36%		
46) a,a,a-Trifluorotoluene	4.608	146	318591	41.4342589 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 103.59%		
50) TOLUENE-D8	5.068	98	746432	41.4784883 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 103.70%		
68) 4-BROMOFLUOROBENZENE	6.959	95	288881	41.1166452 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 102.79%		
Target Compounds					Qvalue
3) PROPENE	1.412	41	1029	0.5948994 ppb #	86
16) ACETONE	2.718	43	6609	4.3902507 ppb	92
19) METHYLENE CHLORIDE	2.695	84	3941	0.5533306 ppb	90
29) 2-BUTANONE (MEK)	3.737	43	1573	0.6446746 ppb #	47
31) TETRAHYDROFURAN	3.673	42	1589	0.8477025 ppb #	77
99) 2-PROPANOL	2.634	45	700	2.0763379 ppb #	58
100) Methyl Acetate	2.824	43	1618	0.3927161 ppb #	56
108) METHACRYLONITRILE	3.917	67	870	0.3978611 ppb #	1
115) N-BUTANOL	4.396	56	1882	9.3377880 ppb #	75
116) Methyl Cyclohexane	4.238	83	6280	Below Cal #	39

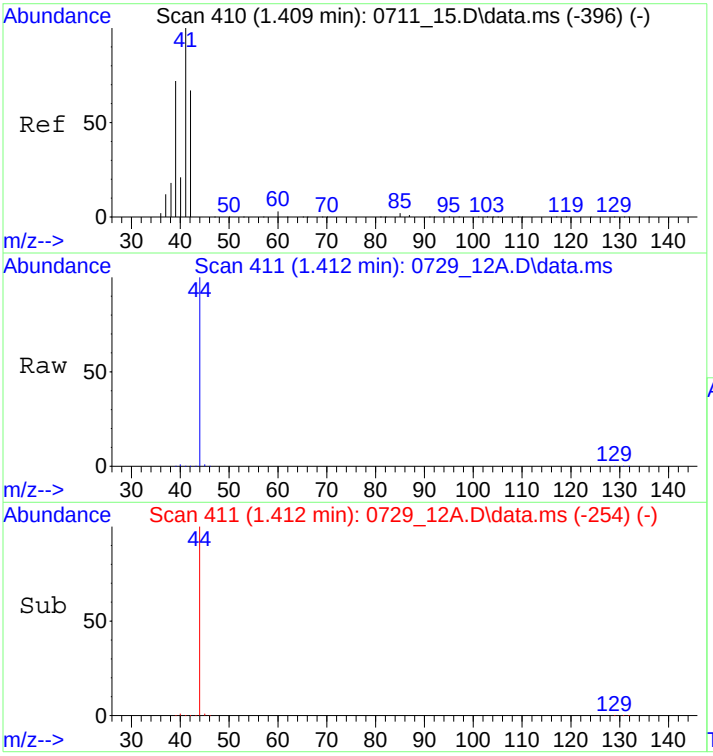
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 12A.D
Acq On : 29 Jul 2014 8:38 pm
Operator : 644
Sample : L712424-08 1x WG734030 V8260 TB
Misc : water IS/SURR14F17495
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:20:53 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

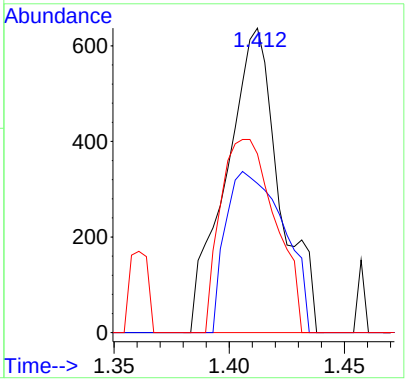


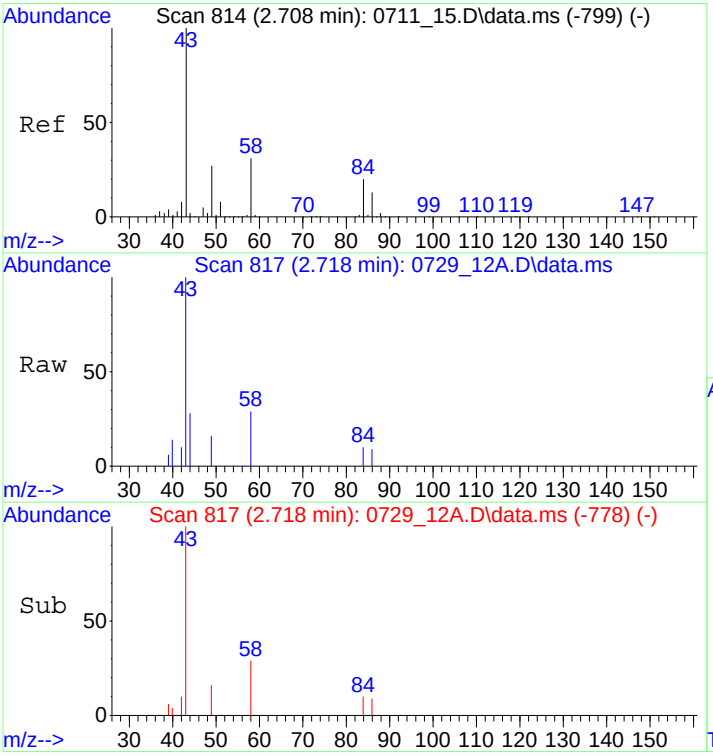


#3
PROPENE
Concen: 0.5948994 ppb
RT: 1.412 min Scan# 411
Delta R.T. 0.004 min
Lab File: 0729 12A.D
Acq: 29 Jul 2014 8:38 pm

Tgt Ion: 41 Resp: 1029

Ion	Ratio	Lower	Upper
41	100		
39	57.6	59.4	89.2#
42	65.0	58.1	87.1

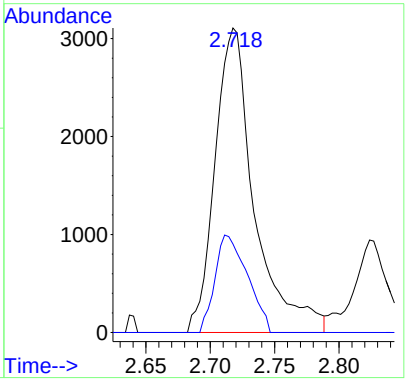


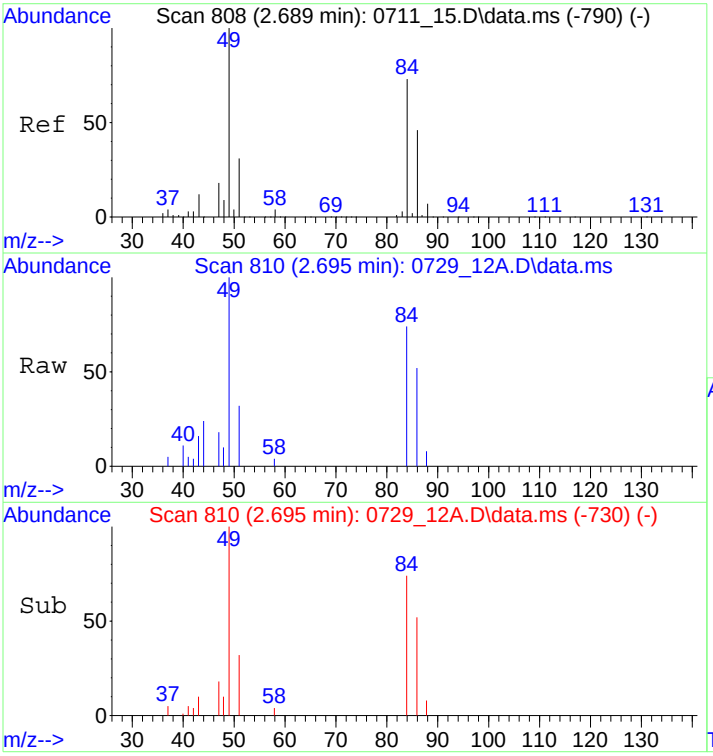


#16
ACETONE
Concen: 4.3902507 ppb
RT: 2.718 min Scan# 817
Delta R.T. 0.007 min
Lab File: 0729_12A.D
Acq: 29 Jul 2014 8:38 pm

Tgt Ion: 43 Resp: 6609

Ion	Ratio	Lower	Upper
43	100		
58	26.4	24.6	37.0

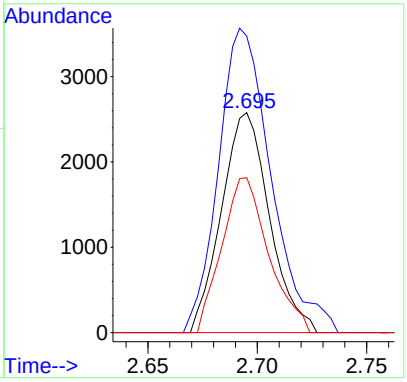


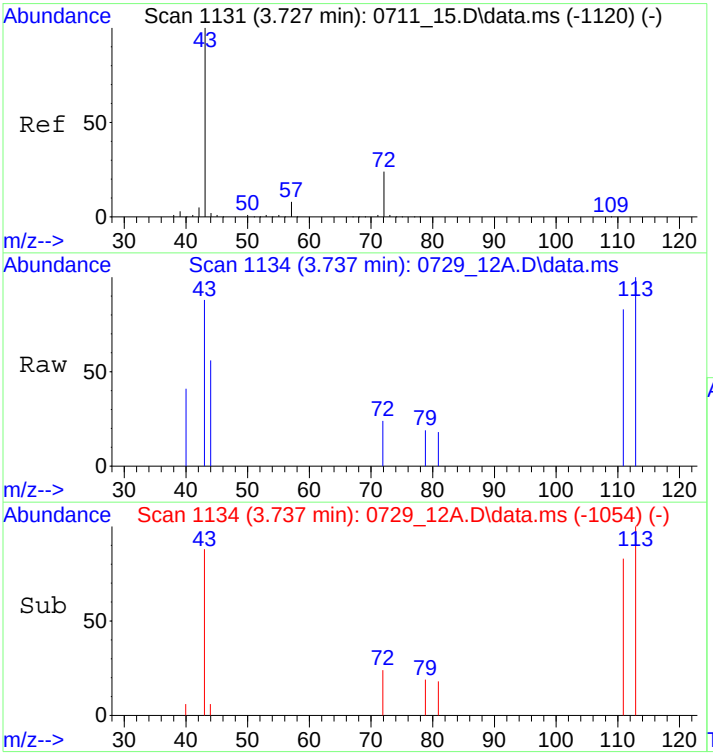


#19
METHYLENE CHLORIDE
Concen: 0.5533306 ppb
RT: 2.695 min Scan# 810
Delta R.T. 0.007 min
Lab File: 0729 12A.D
Acq: 29 Jul 2014 8:38 pm

Tgt Ion: 84 Resp: 3941

Ion	Ratio	Lower	Upper
84	100		
49	152.1	110.7	166.1
86	68.4	51.1	76.7

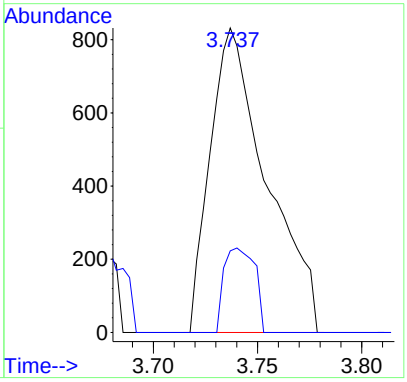


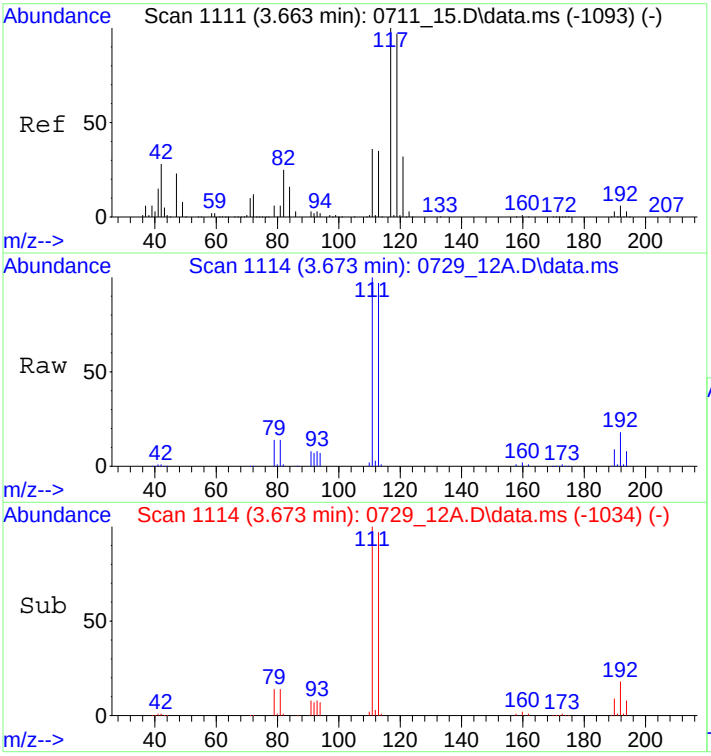


#29
2-BUTANONE (MEK)
Concen: 0.6446746 ppb
RT: 3.737 min Scan# 1134
Delta R.T. 0.006 min
Lab File: 0729_12A.D
Acq: 29 Jul 2014 8:38 pm

Tgt Ion: 43 Resp: 1573

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#

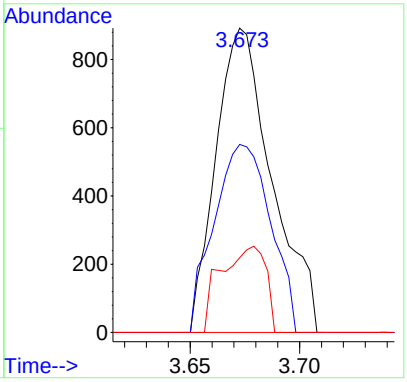


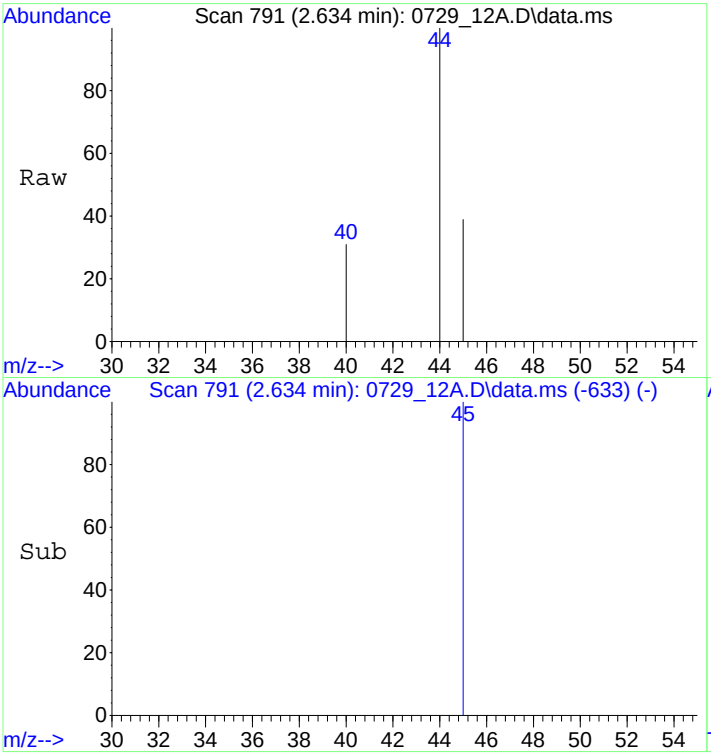


#31
TETRAHYDROFURAN
Concen: 0.8477025 ppb
RT: 3.673 min Scan# 1114
Delta R.T. 0.007 min
Lab File: 0729 12A.D
Acq: 29 Jul 2014 8:38 pm

Tgt Ion: 42 Resp: 1589

Ion	Ratio	Lower	Upper
42	100		
41	62.3	42.4	63.6
39	0.0	17.4	26.2#

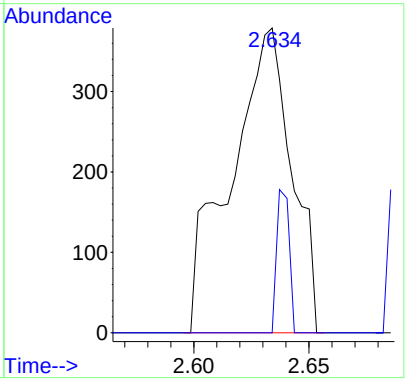


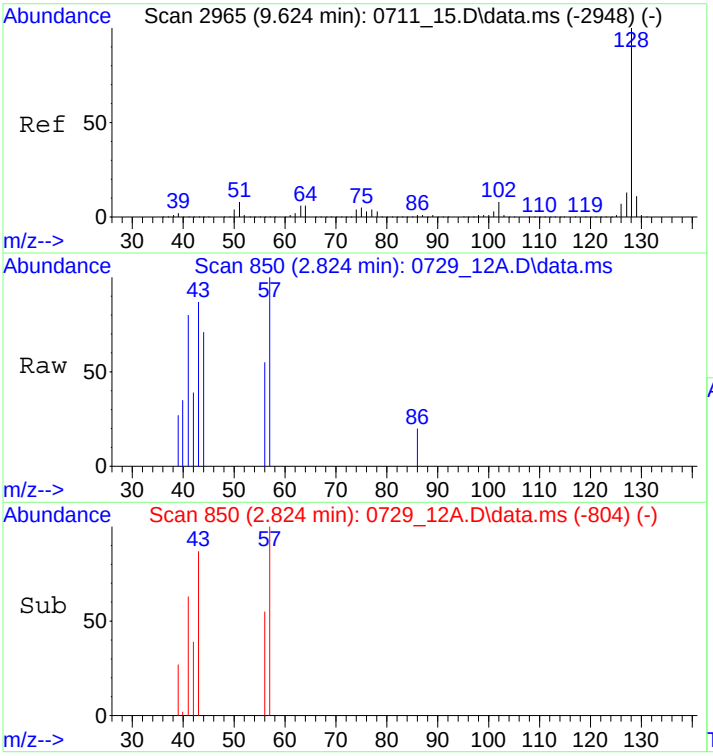


#99
2-PROPANOL
Concen: 2.0763379 ppb
RT: 2.634 min Scan# 791
Delta R.T. 0.009 min
Lab File: 0729_12A.D
Acq: 29 Jul 2014 8:38 pm

Tgt Ion: 45 Resp: 700

Ion	Ratio	Lower	Upper
45	100		
43	0.0	15.4	23.0#

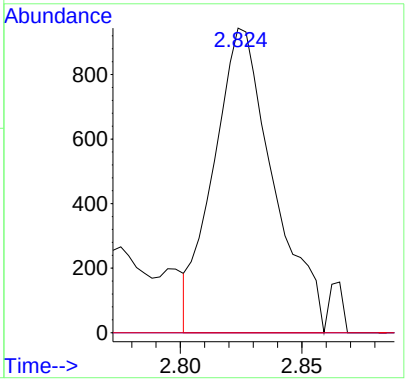


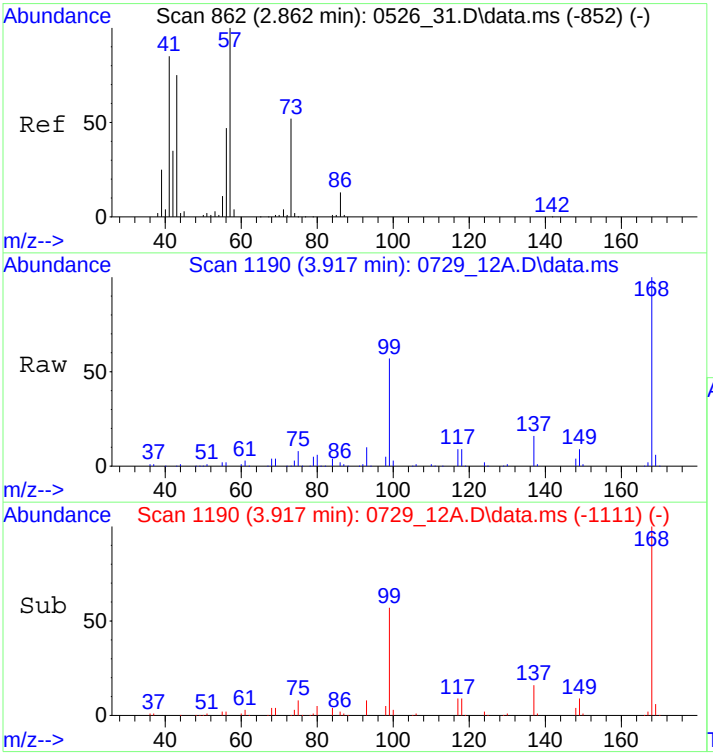


#100
Methyl Acetate
Concen: 0.3927161 ppb
RT: 2.824 min Scan# 850
Delta R.T. 0.048 min
Lab File: 0729 12A.D
Acq: 29 Jul 2014 8:38 pm

Tgt Ion: 43 Resp: 1618

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.1	24.1#
29	0.0	0.0	0.0

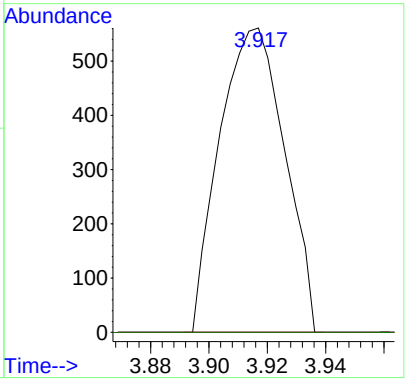


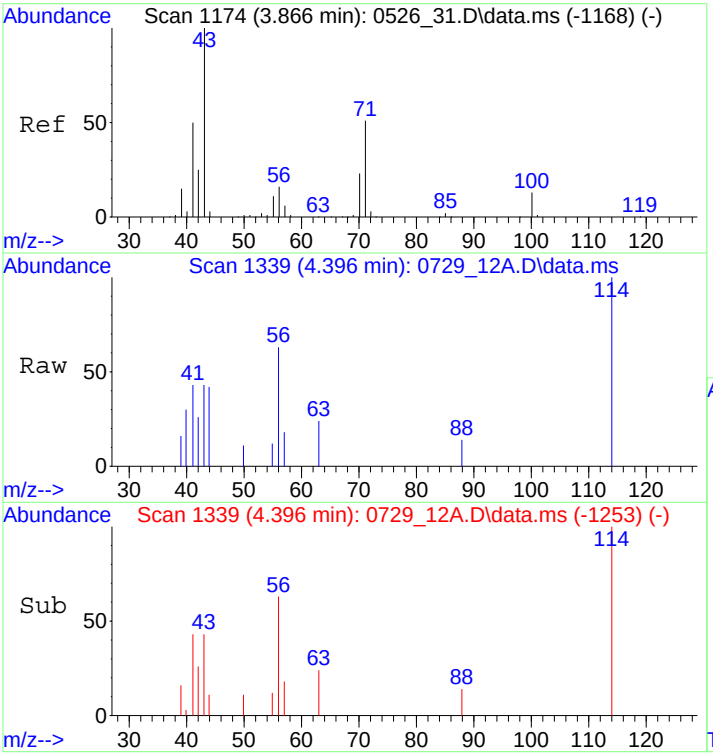


#108
METHACRYLONITRILE
Concen: 0.3978611 ppb
RT: 3.917 min Scan# 1190
Delta R.T. 0.003 min
Lab File: 0729_12A.D
Acq: 29 Jul 2014 8:38 pm

Tgt Ion: 67 Resp: 870

Ion	Ratio	Lower	Upper
67	100		
41	0.0	124.7	187.1#
39	0.0	66.9	100.3#
52	0.0	37.3	55.9#

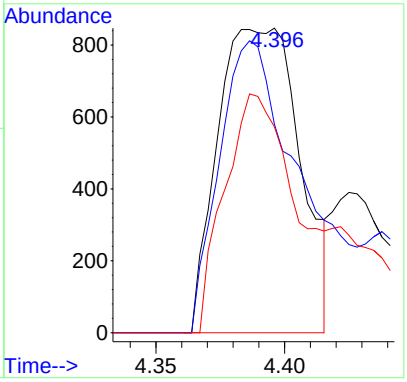




#115
N-BUTANOL
Concen: 9.3377880 ppb
RT: 4.396 min Scan# 1339
Delta R.T. 0.026 min
Lab File: 0729 12A.D
Acq: 29 Jul 2014 8:38 pm

Tgt Ion: 56 Resp: 1882

Ion	Ratio	Lower	Upper
56	100		
41	96.8	57.1	85.7#
43	67.4	44.2	66.4#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 29A.D
Acq On : 30 Jul 2014 2:19 am
Operator : 644
Sample : L712424-07 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 30 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:33:02 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

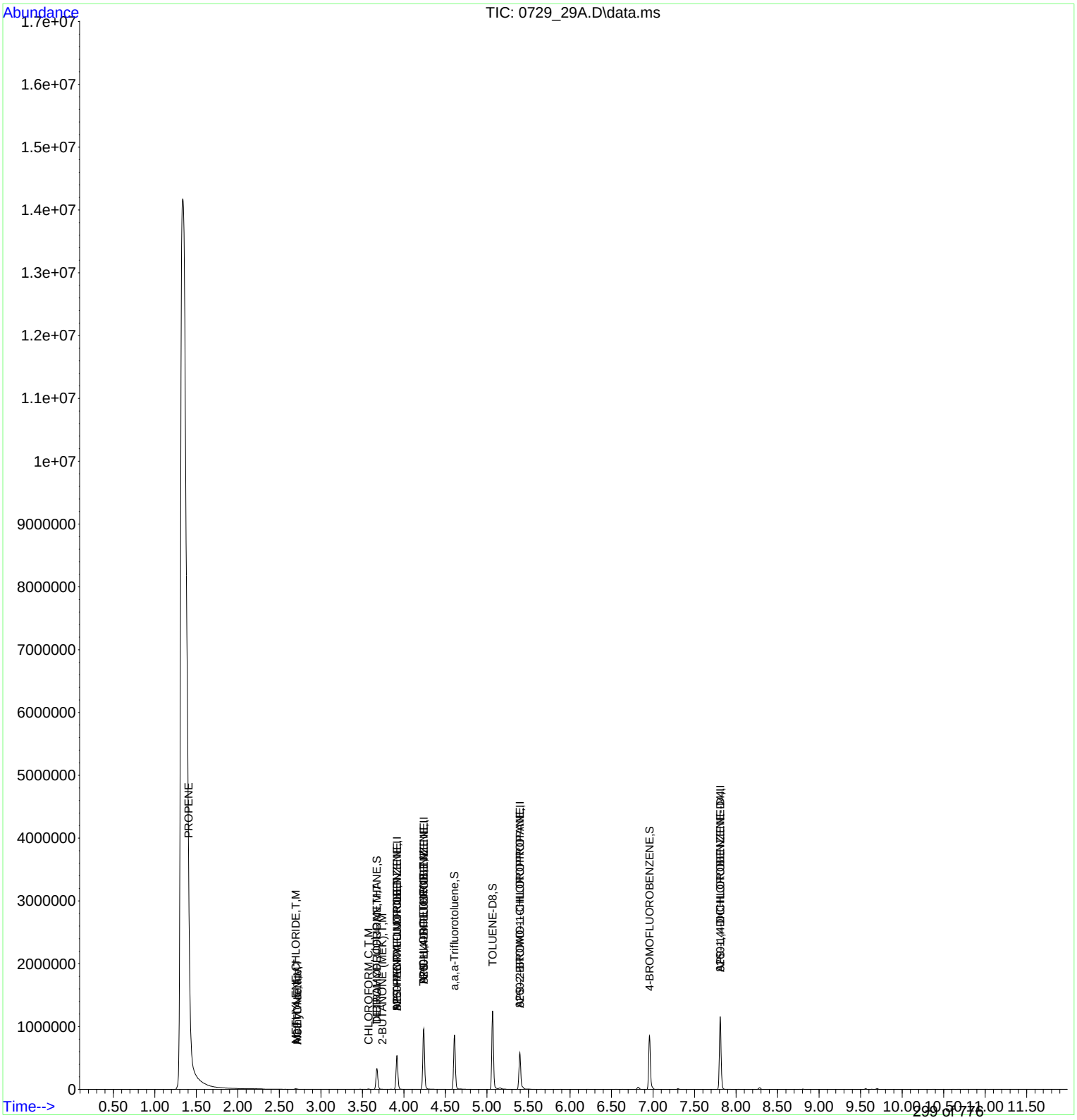
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	286174	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	525263	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	103066	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.811	152	265252	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	286174	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	525263	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	103066	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.811	152	265252	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	169099	41.5258979 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 103.81%		
46) a,a,a-Trifluorotoluene	4.608	146	299922	41.7359333 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 104.34%		
50) TOLUENE-D8	5.068	98	695268	41.3390646 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 103.35%		
68) 4-BROMOFLUOROBENZENE	6.958	95	278867	40.9117464 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 102.28%		
Target Compounds					Qvalue
3) PROPENE	1.409	41	997	0.6143459 ppb #	49
16) ACETONE	2.717	43	3780	2.6763011 ppb	95
19) METHYLENE CHLORIDE	2.698	84	3377	0.5053577 ppb	96
29) 2-BUTANONE (MEK)	3.740	43	1384	0.6045574 ppb #	47
31) TETRAHYDROFURAN	3.672	42	1899	1.0797771 ppb #	91
32) CHLOROFORM	3.576	83	4486	0.4202036 ppb #	94
42) TRICHLOROETHENE	4.235	130	38188	6.7249858 ppb	98
100) Methyl Acetate	2.717	43	3780	0.9778712 ppb #	56
108) METHACRYLONITRILE	3.917	67	932	0.4542739 ppb #	1

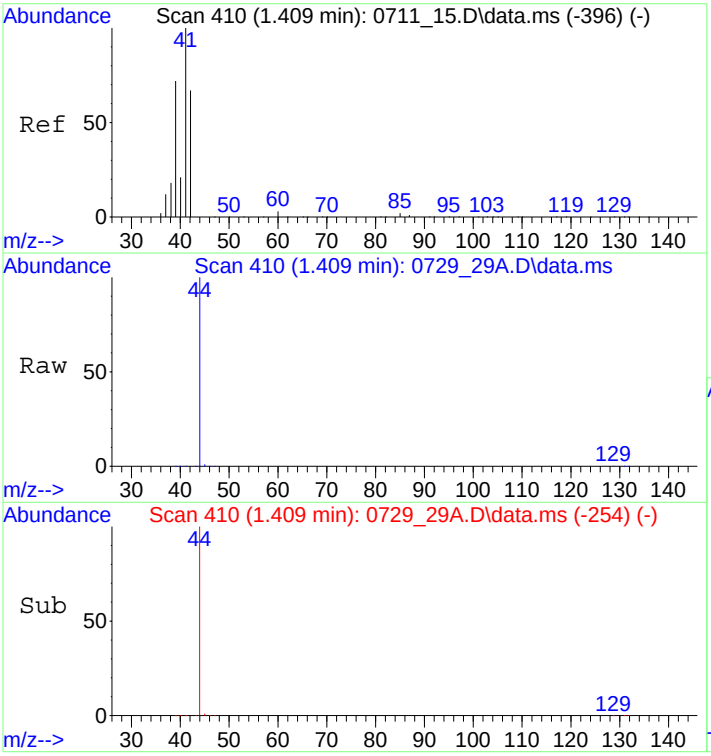
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 29A.D
Acq On : 30 Jul 2014 2:19 am
Operator : 644
Sample : L712424-07 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 30 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:33:02 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

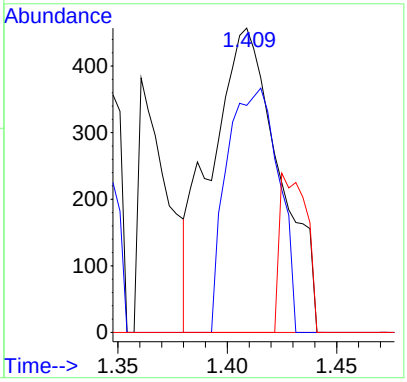


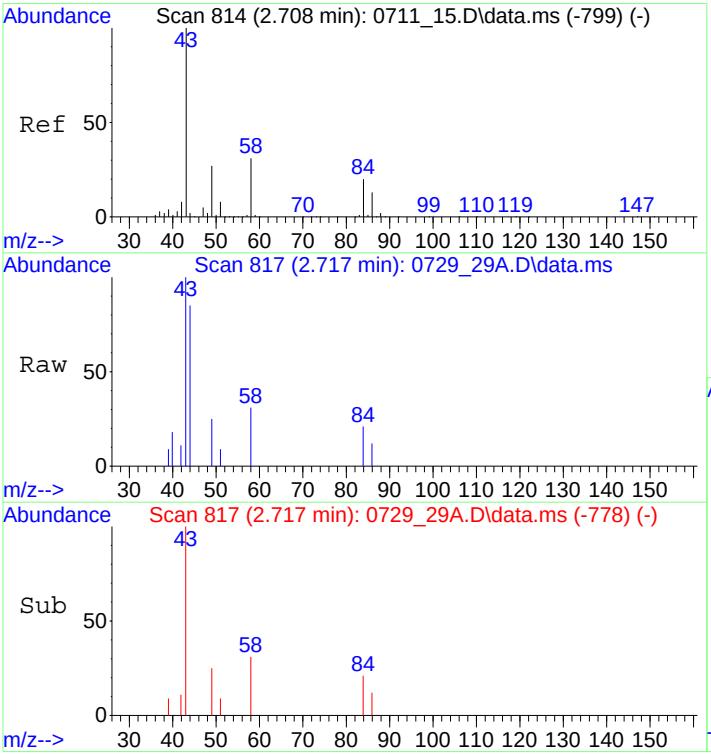


#3
PROPENE
Concen: 0.6143459 ppb
RT: 1.409 min Scan# 410
Delta R.T. 0.001 min
Lab File: 0729 29A.D
Acq: 30 Jul 2014 2:19 am

Tgt Ion: 41 Resp: 997

Ion	Ratio	Lower	Upper
41	100		
39	60.5	59.4	89.2
42	0.0	58.1	87.1#

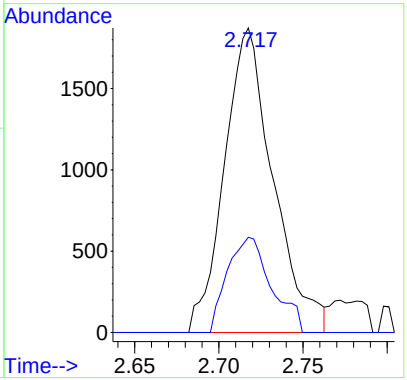


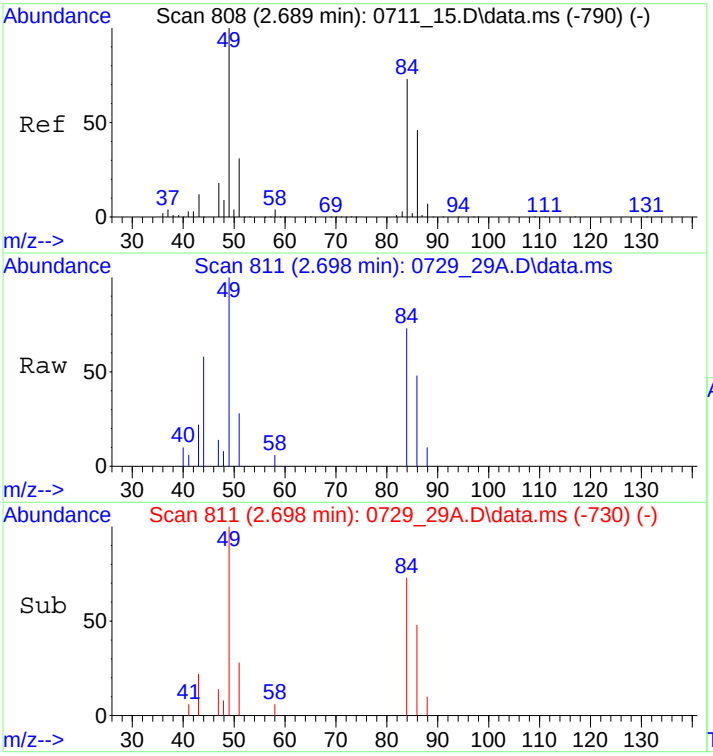


#16
ACETONE
Concen: 2.6763011 ppb
RT: 2.717 min Scan# 817
Delta R.T. 0.006 min
Lab File: 0729_29A.D
Acq: 30 Jul 2014 2:19 am

Tgt Ion: 43 Resp: 3780

Ion	Ratio	Lower	Upper
43	100		
58	28.2	24.6	37.0

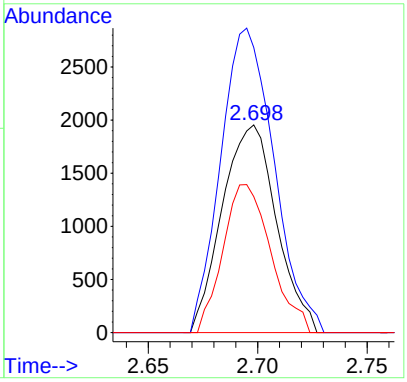


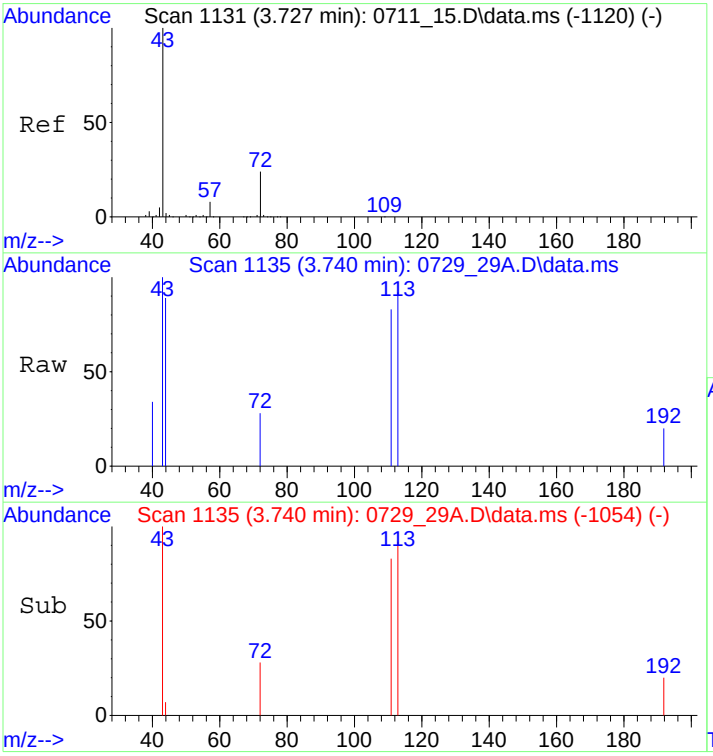


#19
METHYLENE CHLORIDE
Concen: 0.5053577 ppb
RT: 2.698 min Scan# 811
Delta R.T. 0.010 min
Lab File: 0729 29A.D
Acq: 30 Jul 2014 2:19 am

Tgt Ion: 84 Resp: 3377

Ion	Ratio	Lower	Upper
84	100		
49	143.9	110.7	166.1
86	62.7	51.1	76.7

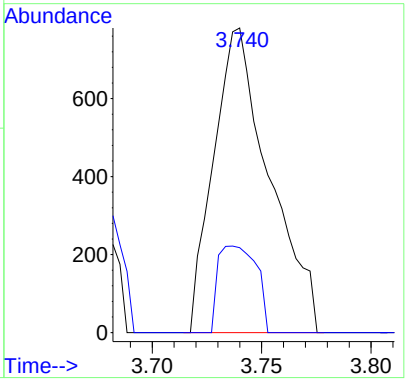


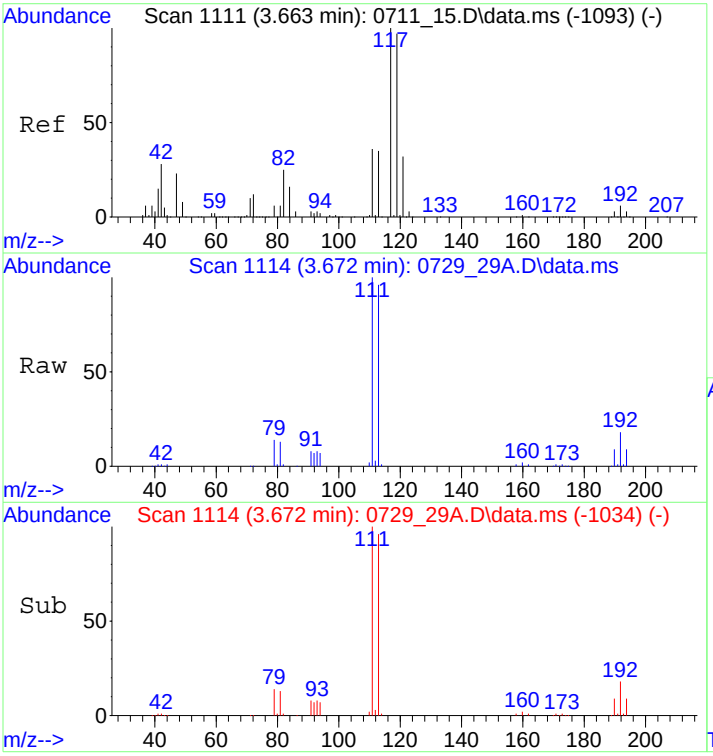


#29
2-BUTANONE (MEK)
Concen: 0.6045574 ppb
RT: 3.740 min Scan# 1135
Delta R.T. 0.010 min
Lab File: 0729_29A.D
Acq: 30 Jul 2014 2:19 am

Tgt Ion: 43 Resp: 1384

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#

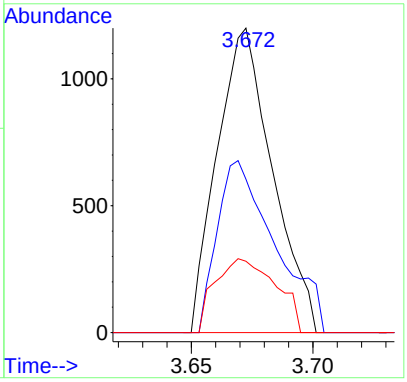


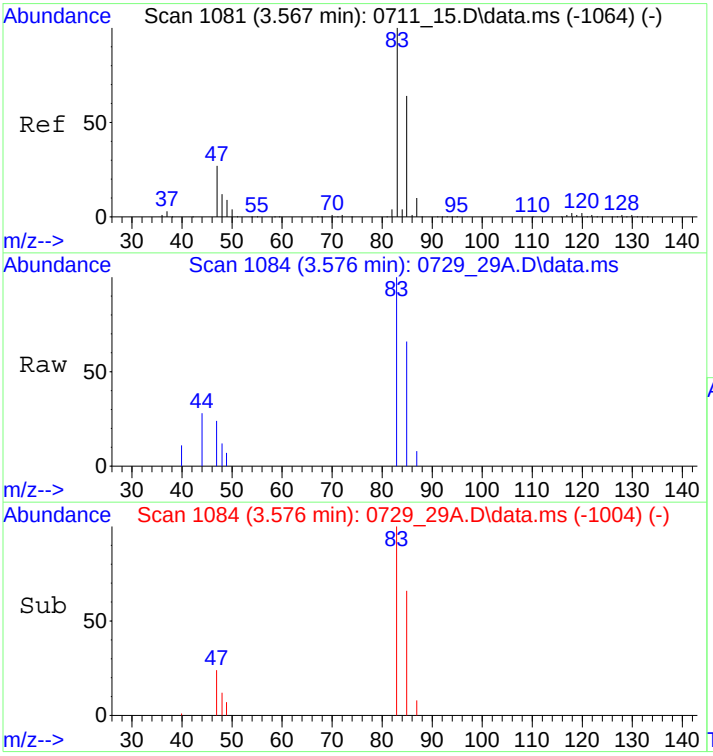


#31
TETRAHYDROFURAN
Concen: 1.0797771 ppb
RT: 3.672 min Scan# 1114
Delta R.T. 0.006 min
Lab File: 0729 29A.D
Acq: 30 Jul 2014 2:19 am

Tgt Ion: 42 Resp: 1899

Ion	Ratio	Lower	Upper
42	100		
41	59.0	42.4	63.6
39	26.7	17.4	26.2#

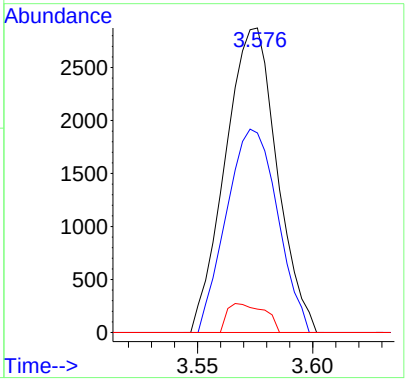


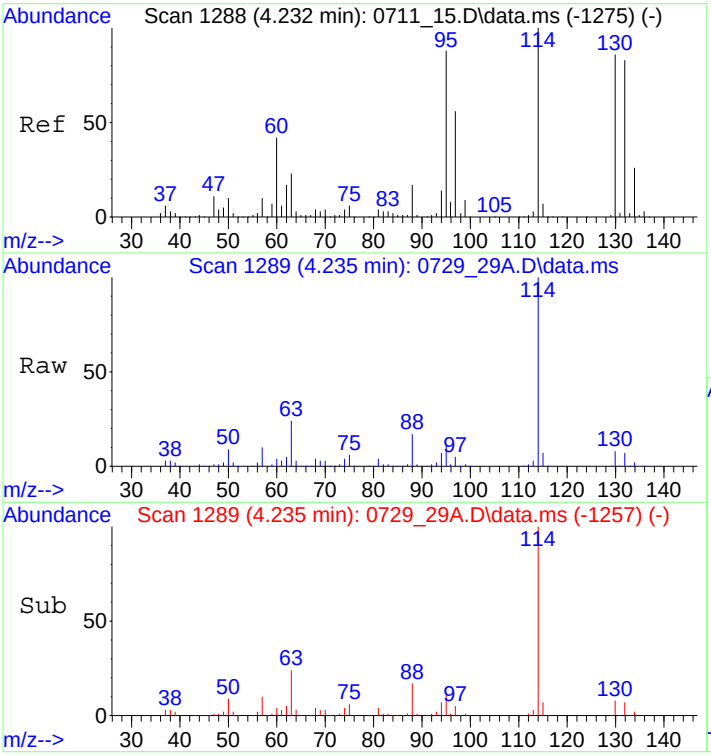


#32
CHLOROFORM
Concen: 0.4202036 ppb
RT: 3.576 min Scan# 1084
Delta R.T. 0.007 min
Lab File: 0729_29A.D
Acq: 30 Jul 2014 2:19 am

Tgt Ion: 83 Resp: 4486

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.2	76.8
87	0.0	8.4	12.6#

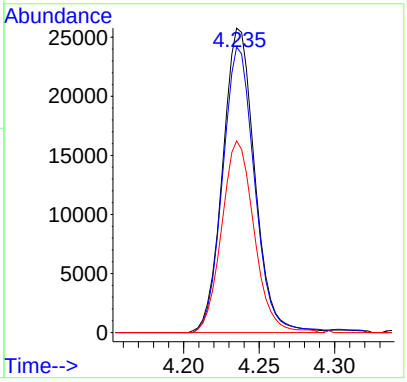


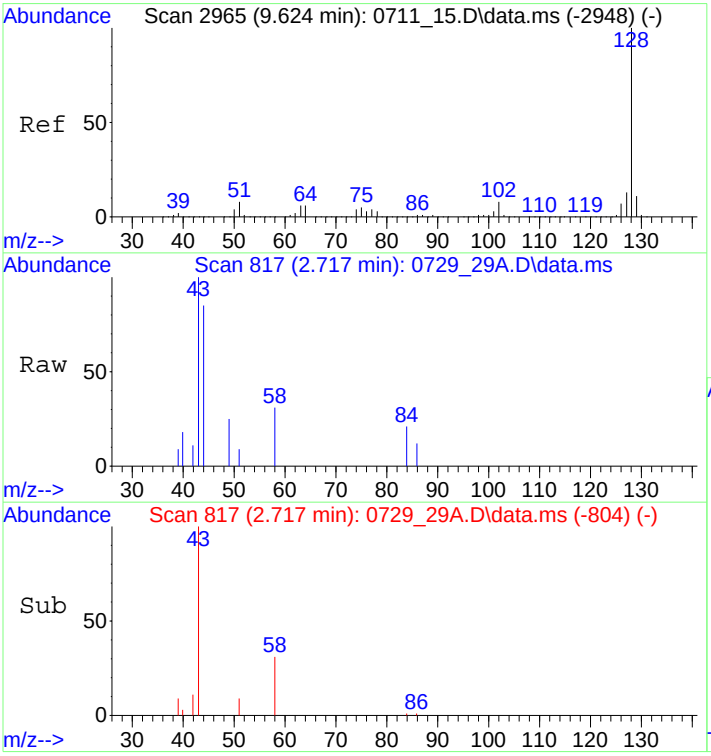


#42
TRICHLOROETHENE
Concen: 6.7249858 ppb
RT: 4.235 min Scan# 1289
Delta R.T. 0.003 min
Lab File: 0729 29A.D
Acq: 30 Jul 2014 2:19 am

Tgt Ion:130 Resp: 38188

Ion	Ratio	Lower	Upper
130	100		
132	93.3	76.8	115.2
97	63.5	52.0	78.0

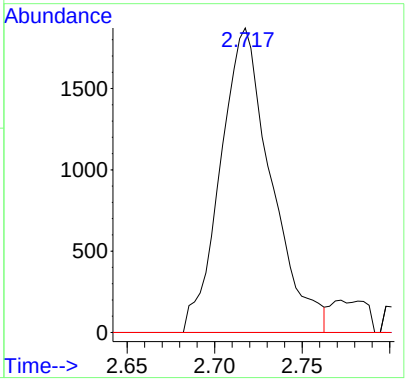


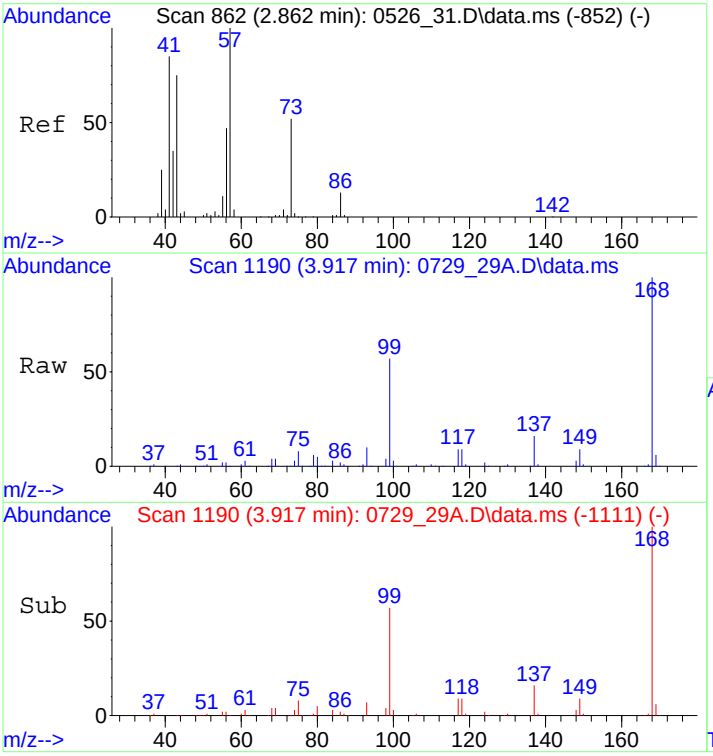


#100
Methyl Acetate
Concen: 0.9778712 ppb
RT: 2.717 min Scan# 817
Delta R.T. -0.058 min
Lab File: 0729_29A.D
Acq: 30 Jul 2014 2:19 am

Tgt Ion: 43 Resp: 3780

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.1	24.1#
29	0.0	0.0	0.0

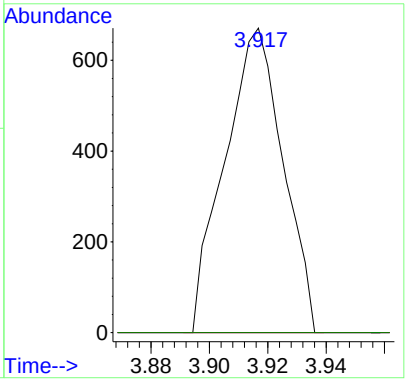




#108
METHACRYLONITRILE
Concen: 0.4542739 ppb
RT: 3.917 min Scan# 1190
Delta R.T. 0.003 min
Lab File: 0729 29A.D
Acq: 30 Jul 2014 2:19 am

Tgt Ion: 67 Resp: 932

Ion	Ratio	Lower	Upper
67	100		
41	0.0	124.7	187.1#
39	0.0	66.9	100.3#
52	0.0	37.3	55.9#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 28A.D
Acq On : 30 Jul 2014 1:59 am
Operator : 644
Sample : L712424-06 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 29 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:30:16 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

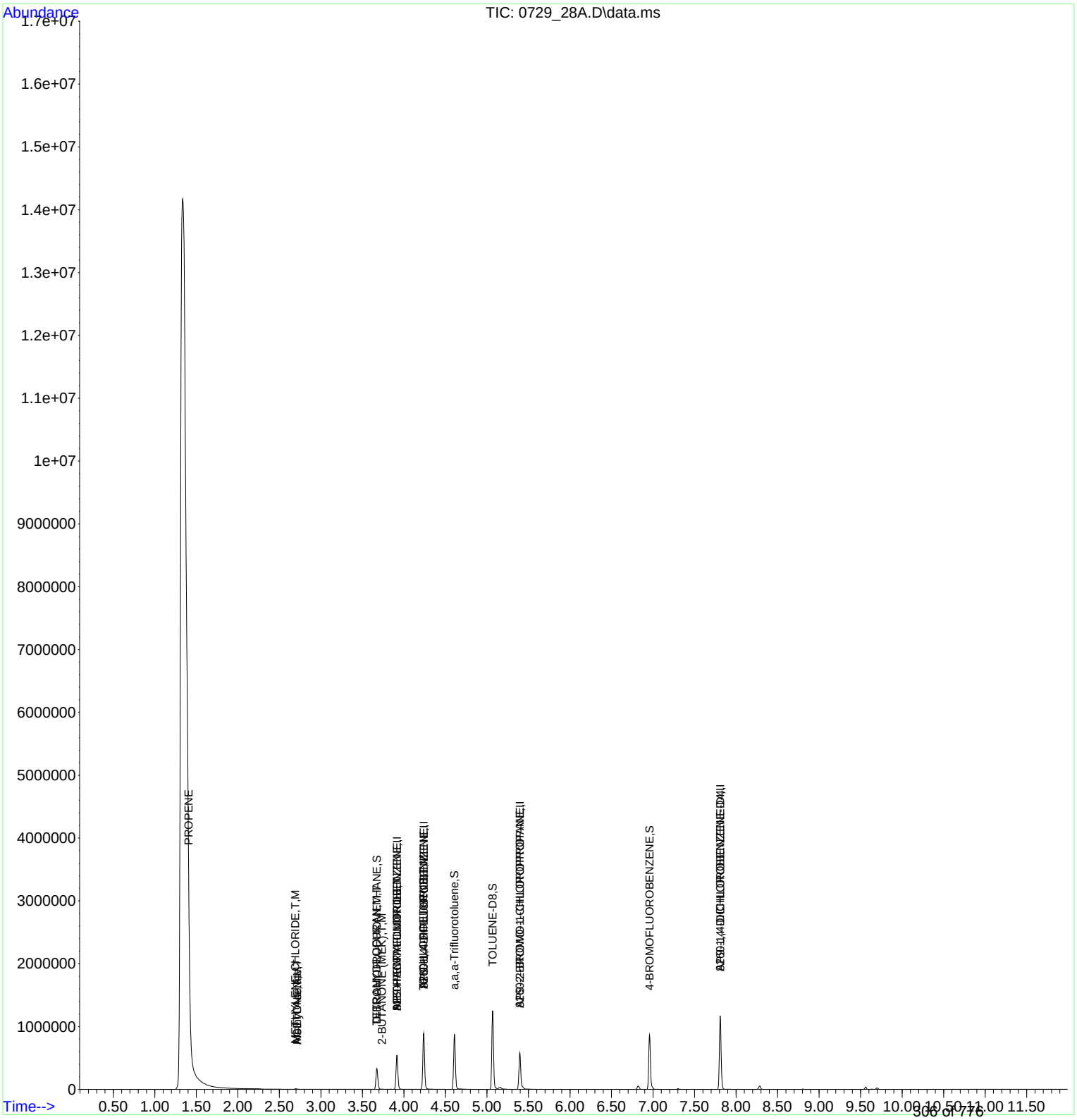
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	291164	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	540268	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	102803	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.810	152	272297	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	291164	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	540268	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	102803	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.810	152	272297	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	173165	41.7956041 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 104.49%		
46) a,a,a-Trifluorotoluene	4.608	146	303538	41.0660034 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.67%		
50) TOLUENE-D8	5.068	98	711278	41.1164249 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 102.79%		
68) 4-BROMOFLUOROBENZENE	6.958	95	282751	41.5876784 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 103.97%		
Target Compounds					Qvalue
3) PROPENE	1.409	41	652	0.3948734 ppb #	56
16) ACETONE	2.714	43	3791	2.6380891 ppb	94
19) METHYLENE CHLORIDE	2.692	84	3524	0.5183179 ppb	90
29) 2-BUTANONE (MEK)	3.737	43	1511	0.6487217 ppb #	47
31) TETRAHYDROFURAN	3.669	42	1587	0.8869080 ppb #	75
42) TRICHLOROETHENE	4.235	130	11960	2.0476853 ppb	99
100) Methyl Acetate	2.714	43	3791	0.9639092 ppb #	56
108) METHACRYLONITRILE	3.917	67	907	0.4345119 ppb #	1
116) Methyl Cyclohexane	4.238	83	6261	Below Cal #	36

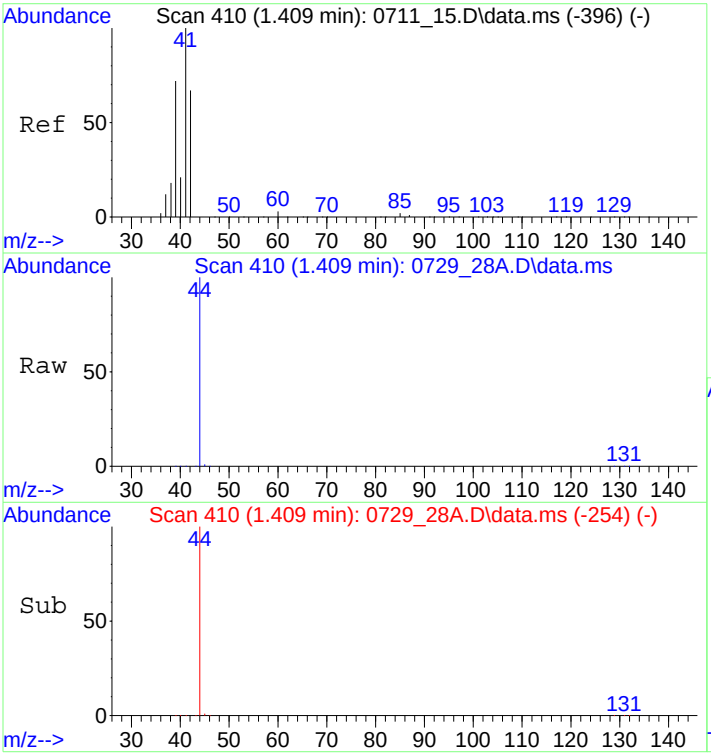
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 28A.D
Acq On : 30 Jul 2014 1:59 am
Operator : 644
Sample : L712424-06 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 29 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:30:16 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

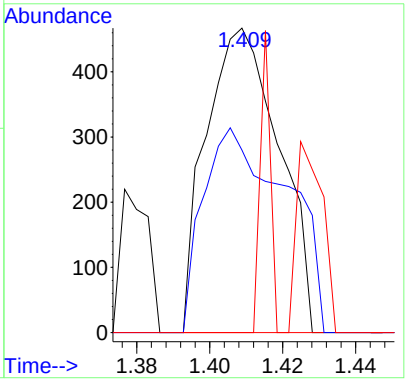


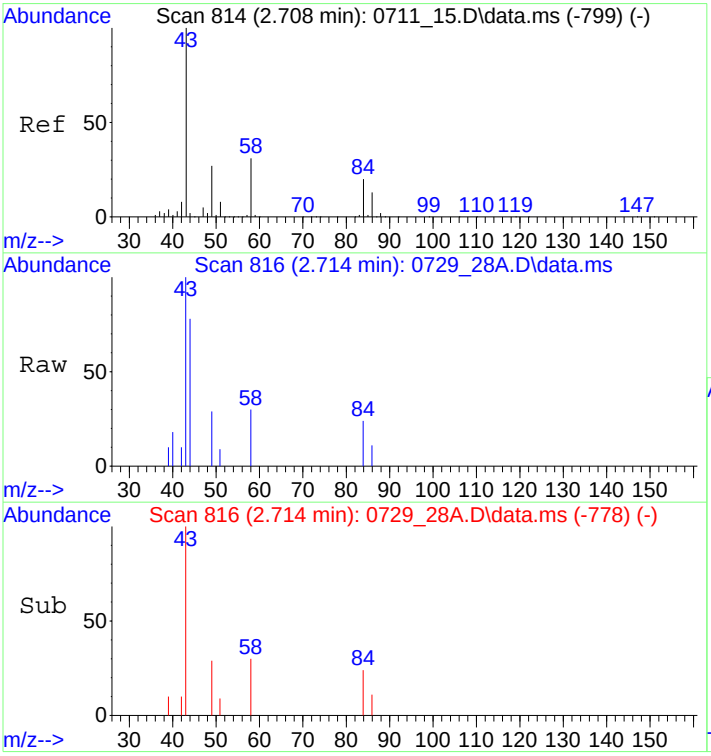


#3
PROPENE
Concen: 0.3948734 ppb
RT: 1.409 min Scan# 410
Delta R.T. 0.001 min
Lab File: 0729 28A.D
Acq: 30 Jul 2014 1:59 am

Tgt Ion: 41 Resp: 652

Ion	Ratio	Lower	Upper
41	100		
39	76.7	59.4	89.2
42	0.0	58.1	87.1#

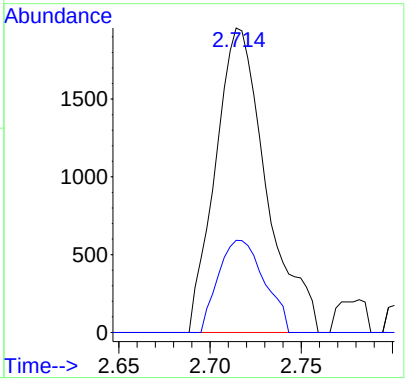


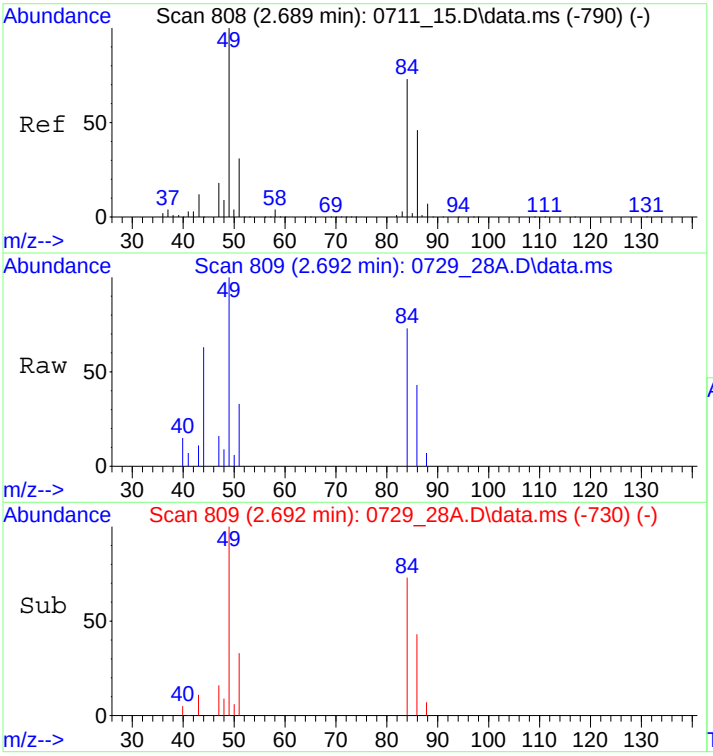


#16
ACETONE
Concen: 2.6380891 ppb
RT: 2.714 min Scan# 816
Delta R.T. 0.003 min
Lab File: 0729_28A.D
Acq: 30 Jul 2014 1:59 am

Tgt Ion: 43 Resp: 3791

Ion	Ratio	Lower	Upper
43	100		
58	27.4	24.6	37.0

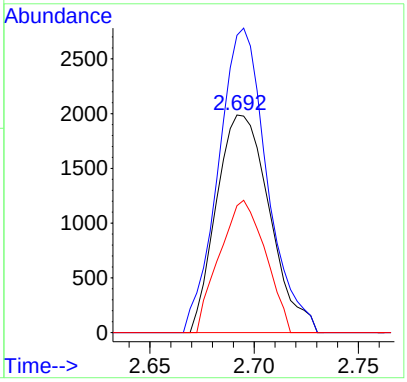


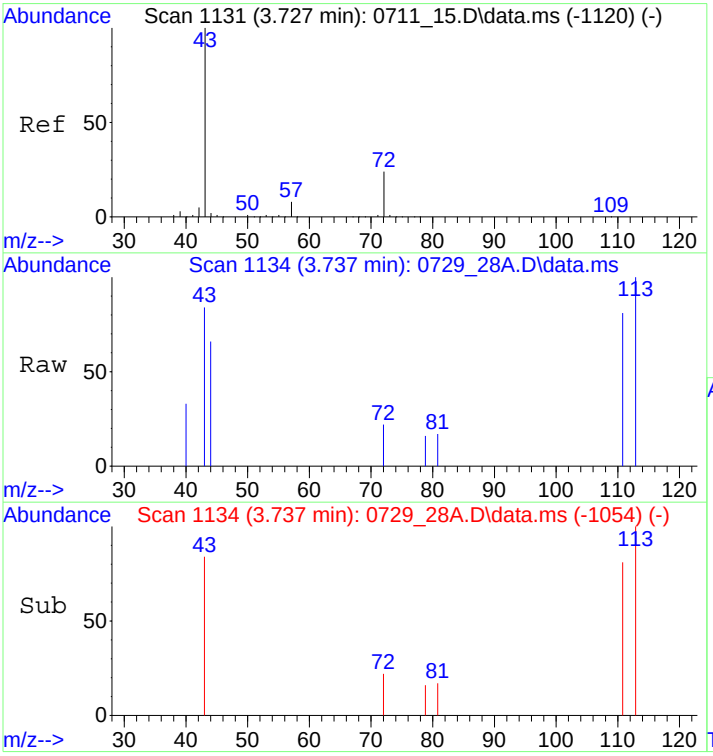


#19
METHYLENE CHLORIDE
Concen: 0.5183179 ppb
RT: 2.692 min Scan# 809
Delta R.T. 0.004 min
Lab File: 0729 28A.D
Acq: 30 Jul 2014 1:59 am

Tgt Ion: 84 Resp: 3524

Ion	Ratio	Lower	Upper
84	100		
49	128.3	110.7	166.1
86	52.5	51.1	76.7

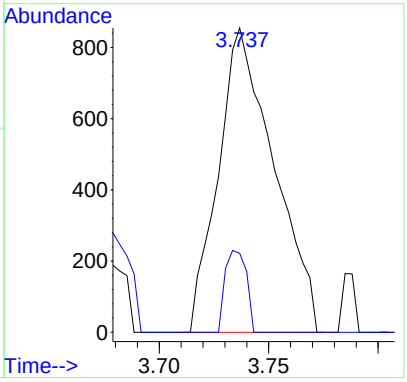


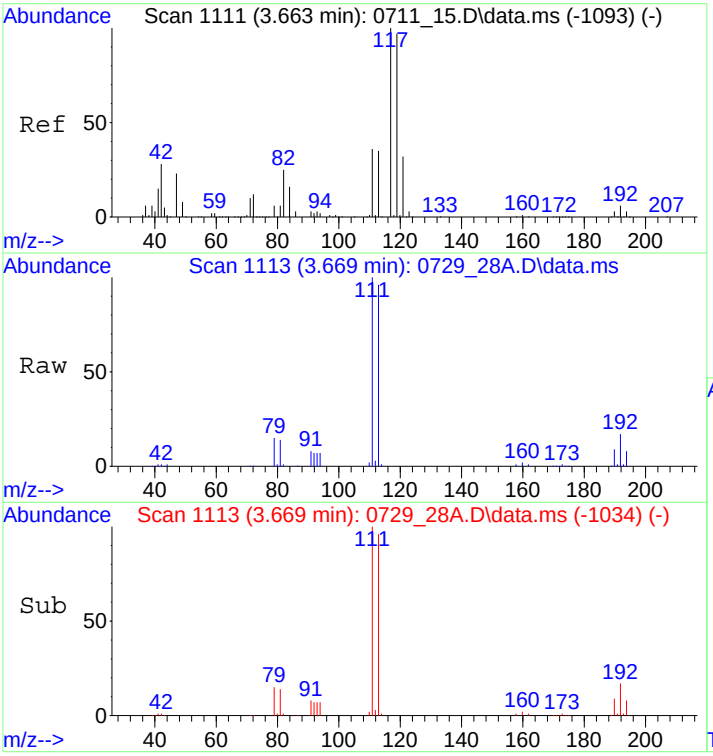


#29
2-BUTANONE (MEK)
Concen: 0.6487217 ppb
RT: 3.737 min Scan# 1134
Delta R.T. 0.006 min
Lab File: 0729_28A.D
Acq: 30 Jul 2014 1:59 am

Tgt Ion: 43 Resp: 1511

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#

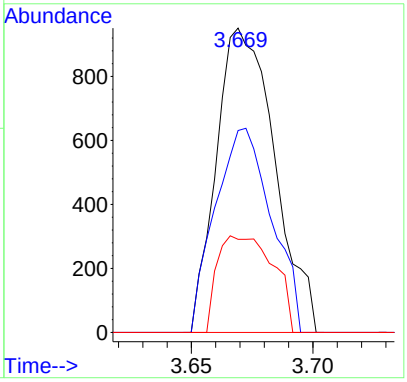


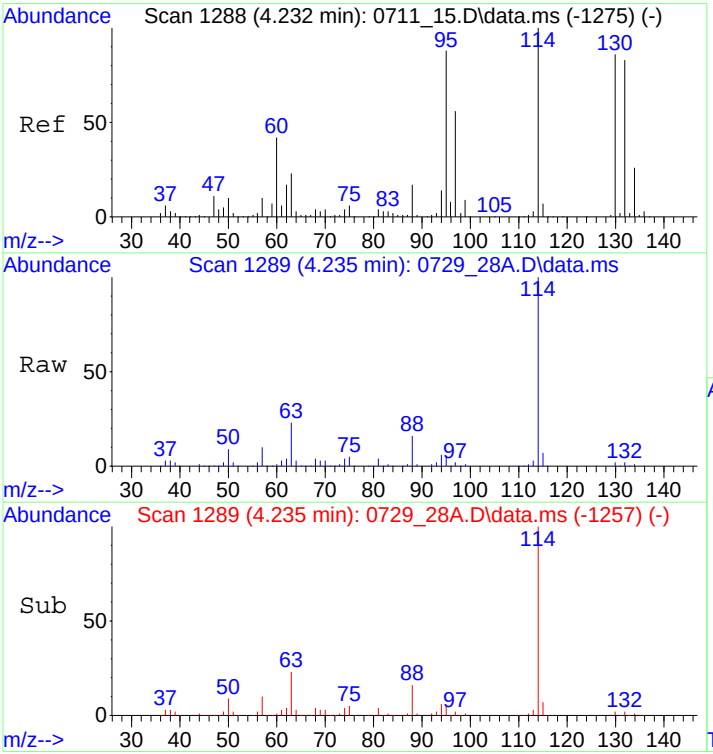


#31
TETRAHYDROFURAN
Concen: 0.8869080 ppb
RT: 3.669 min Scan# 1113
Delta R.T. 0.003 min
Lab File: 0729 28A.D
Acq: 30 Jul 2014 1:59 am

Tgt Ion: 42 Resp: 1587

Ion	Ratio	Lower	Upper
42	100		
41	64.8	42.4	63.6#
39	0.0	17.4	26.2#

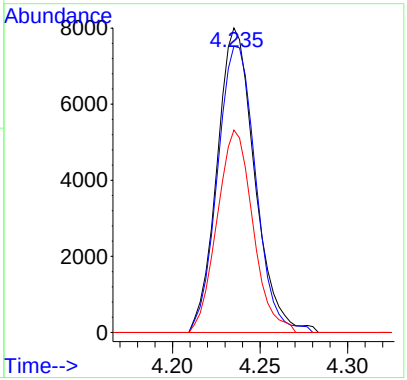


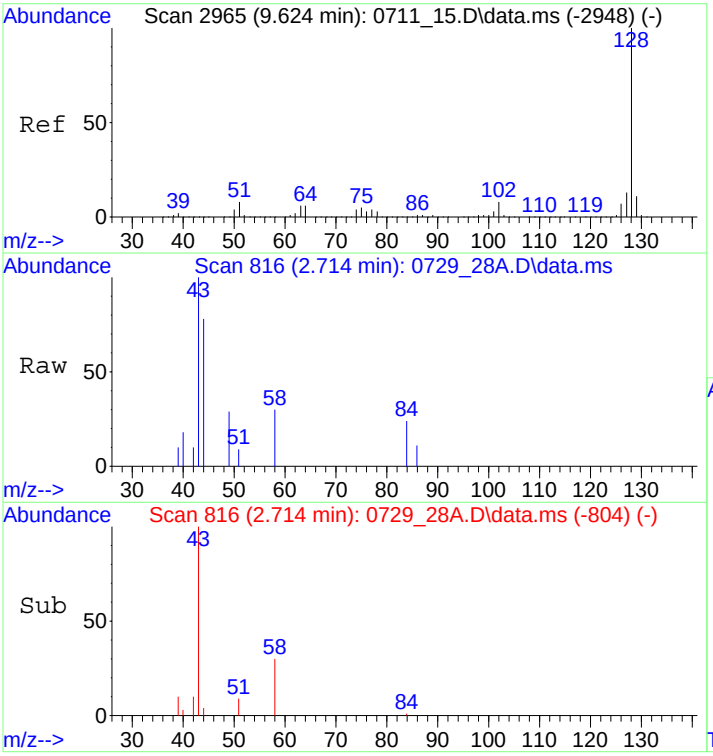


#42
TRICHLOROETHENE
Concen: 2.0476853 ppb
RT: 4.235 min Scan# 1289
Delta R.T. 0.003 min
Lab File: 0729_28A.D
Acq: 30 Jul 2014 1:59 am

Tgt Ion:130 Resp: 11960

Ion	Ratio	Lower	Upper
130	100		
132	95.2	76.8	115.2
97	63.3	52.0	78.0

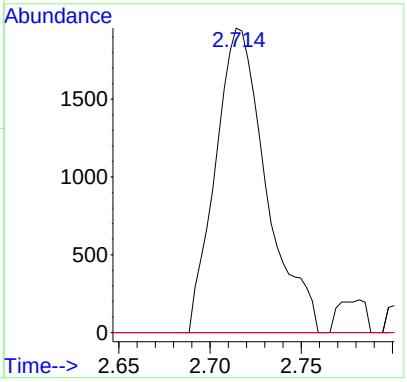


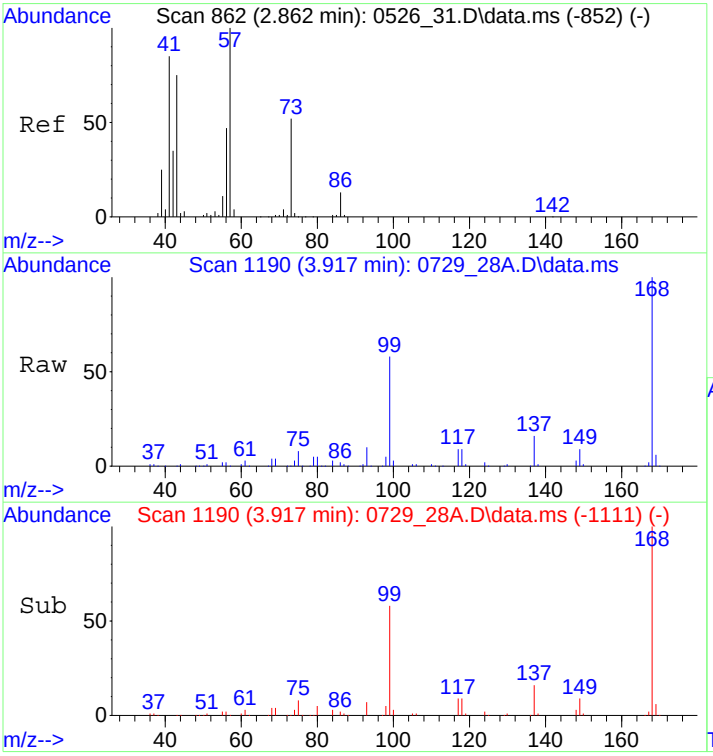


#100
Methyl Acetate
Concen: 0.9639092 ppb
RT: 2.714 min Scan# 816
Delta R.T. -0.061 min
Lab File: 0729 28A.D
Acq: 30 Jul 2014 1:59 am

Tgt Ion: 43 Resp: 3791

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.1	24.1#
29	0.0	0.0	0.0

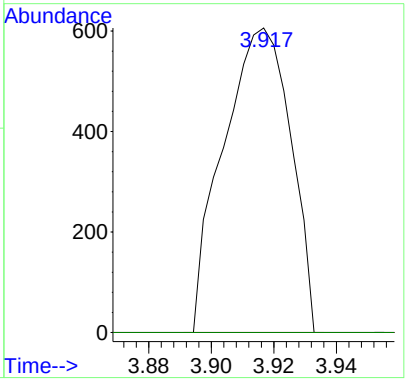




#108
METHACRYLONITRILE
Concen: 0.4345119 ppb
RT: 3.917 min Scan# 1190
Delta R.T. 0.003 min
Lab File: 0729_28A.D
Acq: 30 Jul 2014 1:59 am

Tgt Ion: 67 Resp: 907

Ion	Ratio	Lower	Upper
67	100		
41	0.0	124.7	187.1#
39	0.0	66.9	100.3#
52	0.0	37.3	55.9#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 13A.D
Acq On : 29 Jul 2014 8:58 pm
Operator : 644
Sample : L712424-05 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:25:11 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

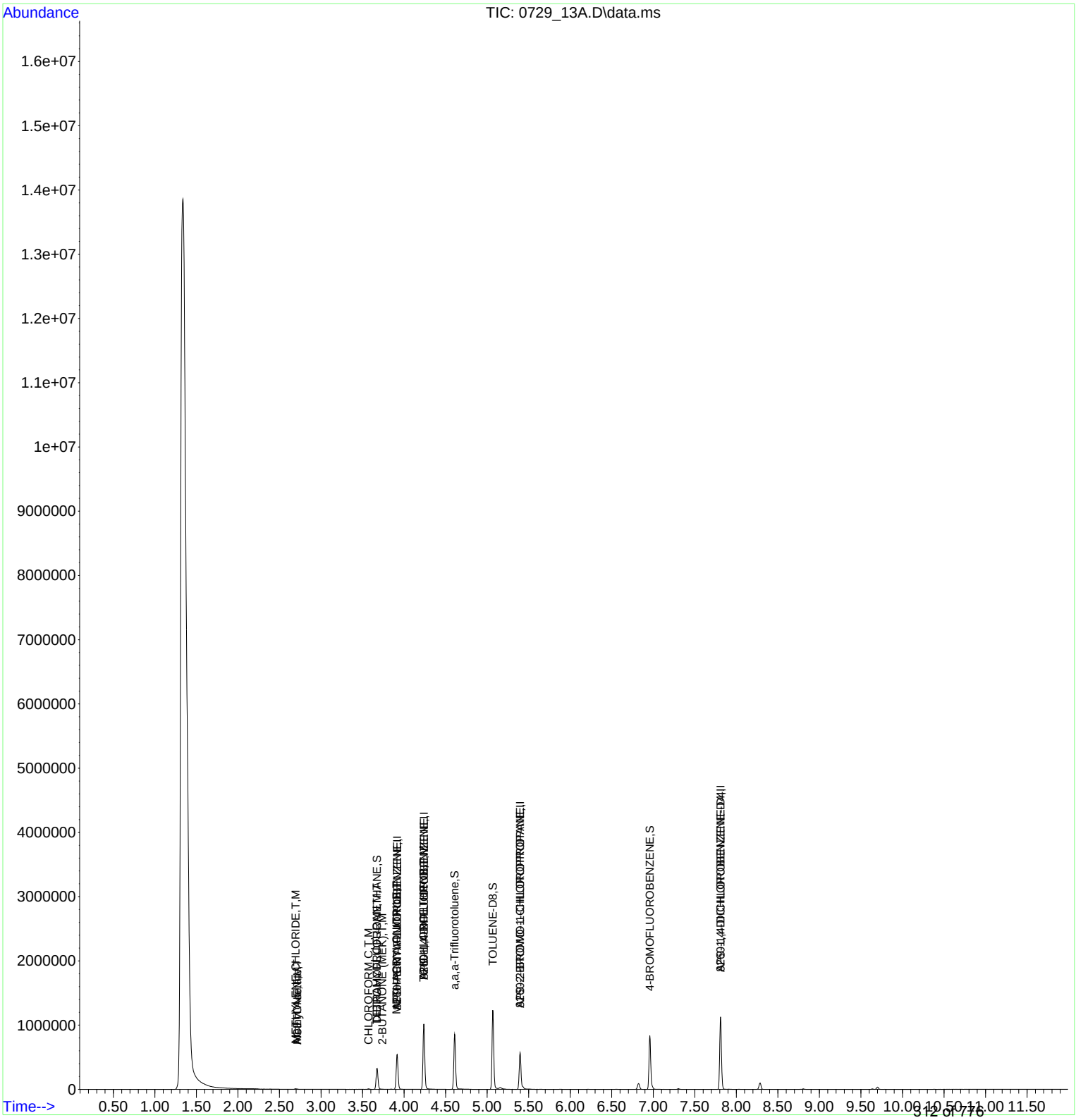
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.917	168	288273	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	530987	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	101662	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.810	152	262857	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	288273	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	530987	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	101662	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.810	152	262857	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.676	111	168253	41.0172949	ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 102.54%			
46) a,a,a-Trifluorotoluene	4.608	146	297070	40.8934285	ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.23%			
50) TOLUENE-D8	5.068	98	688991	40.5242396	ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 101.31%			
68) 4-BROMOFLUOROBENZENE	6.958	95	275792	41.0194026	ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 102.55%			
Target Compounds						Qvalue
16) ACETONE	2.714	43	3841	2.6996887	ppb	92
19) METHYLENE CHLORIDE	2.695	84	3094	0.4596363	ppb	93
29) 2-BUTANONE (MEK)	3.740	43	1524	0.6608648	ppb #	47
31) TETRAHYDROFURAN	3.672	42	1744	0.9844232	ppb #	89
32) CHLOROFORM	3.573	83	5341	0.4966487	ppb	100
42) TRICHLOROETHENE	4.235	130	49755	8.6675052	ppb	99
100) Methyl Acetate	2.714	43	3841	0.9864166	ppb #	56
108) METHACRYLONITRILE	3.910	67	783	0.3788697	ppb #	1

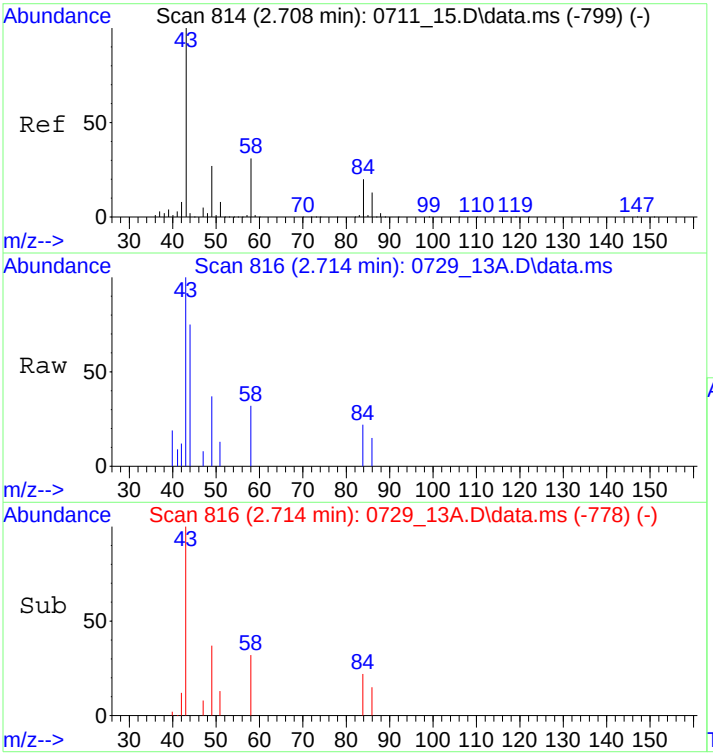
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 13A.D
Acq On : 29 Jul 2014 8:58 pm
Operator : 644
Sample : L712424-05 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:25:11 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

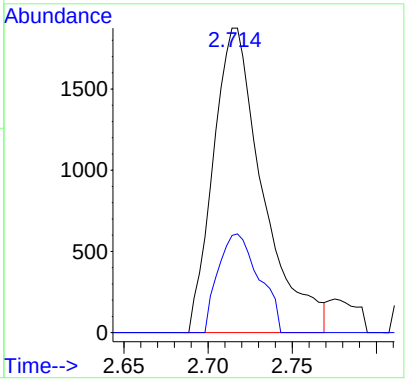


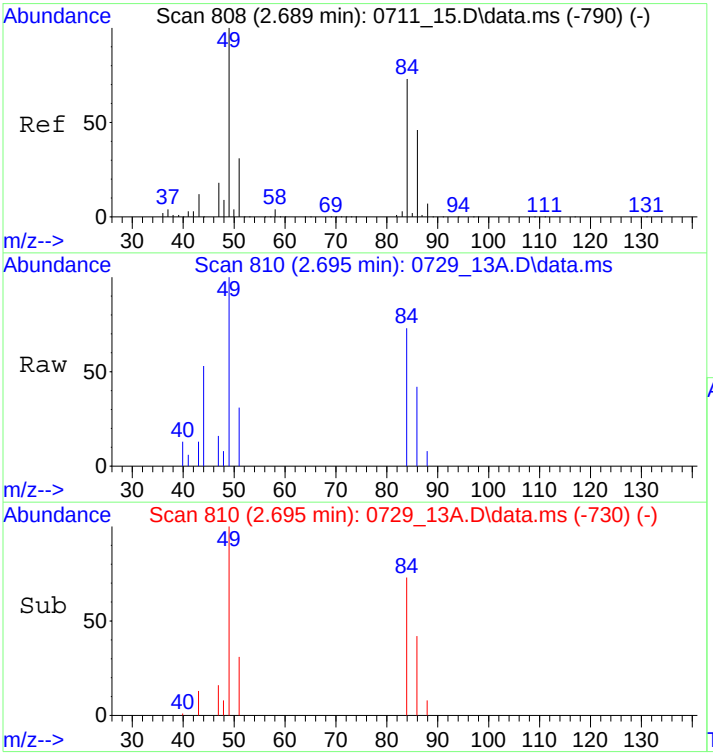


#16
ACETONE
Concen: 2.6996887 ppb
RT: 2.714 min Scan# 816
Delta R.T. 0.003 min
Lab File: 0729 13A.D
Acq: 29 Jul 2014 8:58 pm

Tgt Ion: 43 Resp: 3841

Ion	Ratio	Lower	Upper
43	100		
58	26.6	24.6	37.0

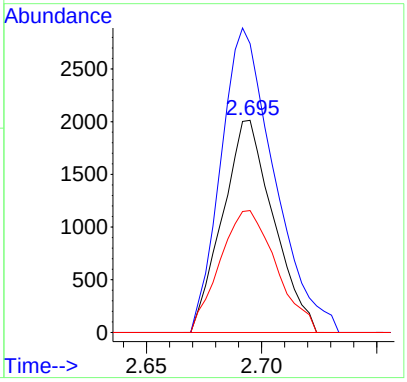


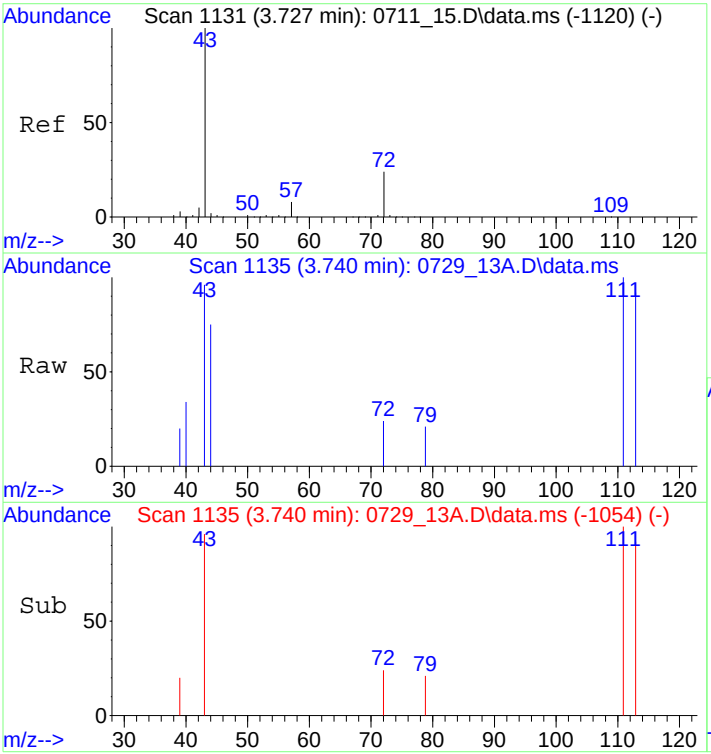


#19
METHYLENE CHLORIDE
Concen: 0.4596363 ppb
RT: 2.695 min Scan# 810
Delta R.T. 0.007 min
Lab File: 0729_13A.D
Acq: 29 Jul 2014 8:58 pm

Tgt Ion: 84 Resp: 3094

Ion	Ratio	Lower	Upper
84	100		
49	150.8	110.7	166.1
86	63.4	51.1	76.7

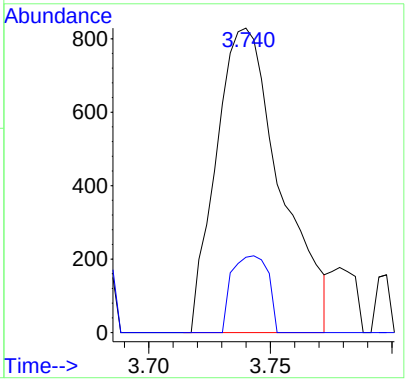


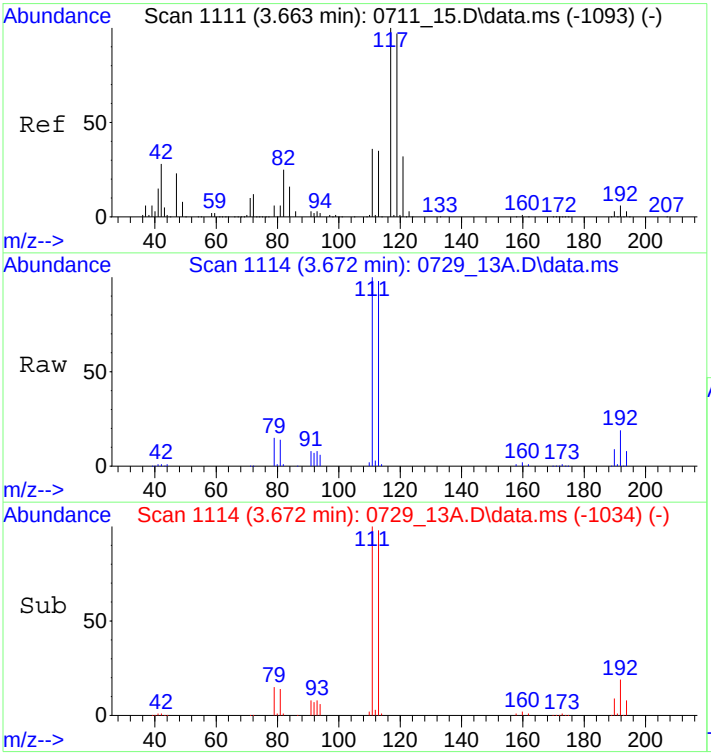


#29
2-BUTANONE (MEK)
Concen: 0.6608648 ppb
RT: 3.740 min Scan# 1135
Delta R.T. 0.010 min
Lab File: 0729 13A.D
Acq: 29 Jul 2014 8:58 pm

Tgt Ion: 43 Resp: 1524

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#

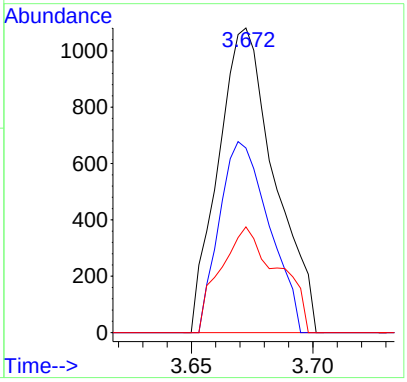


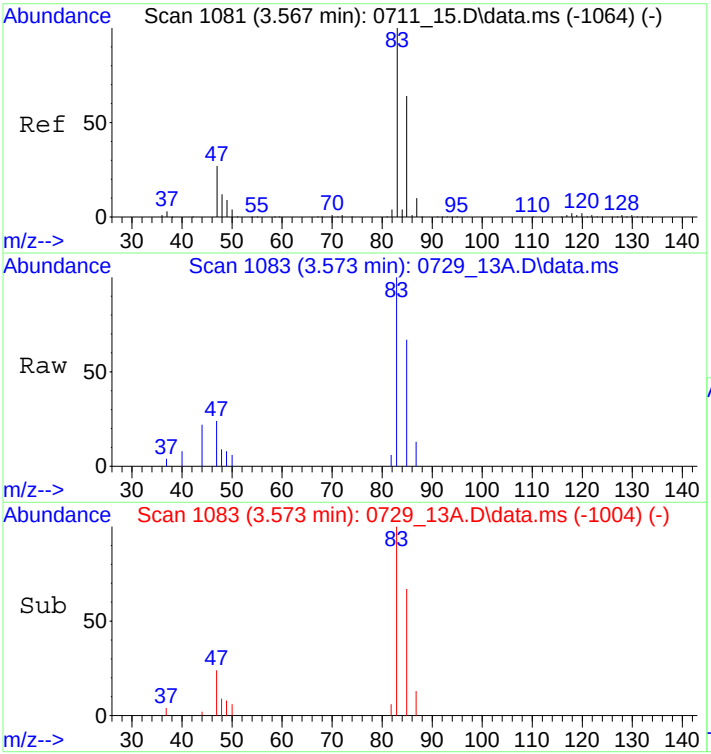


#31
TETRAHYDROFURAN
Concen: 0.9844232 ppb
RT: 3.672 min Scan# 1114
Delta R.T. 0.006 min
Lab File: 0729_13A.D
Acq: 29 Jul 2014 8:58 pm

Tgt Ion: 42 Resp: 1744

Ion	Ratio	Lower	Upper
42	100		
41	55.3	42.4	63.6
39	35.7	17.4	26.2#

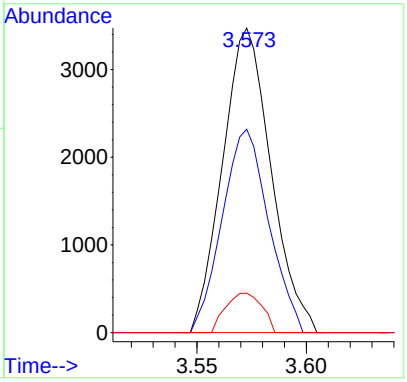


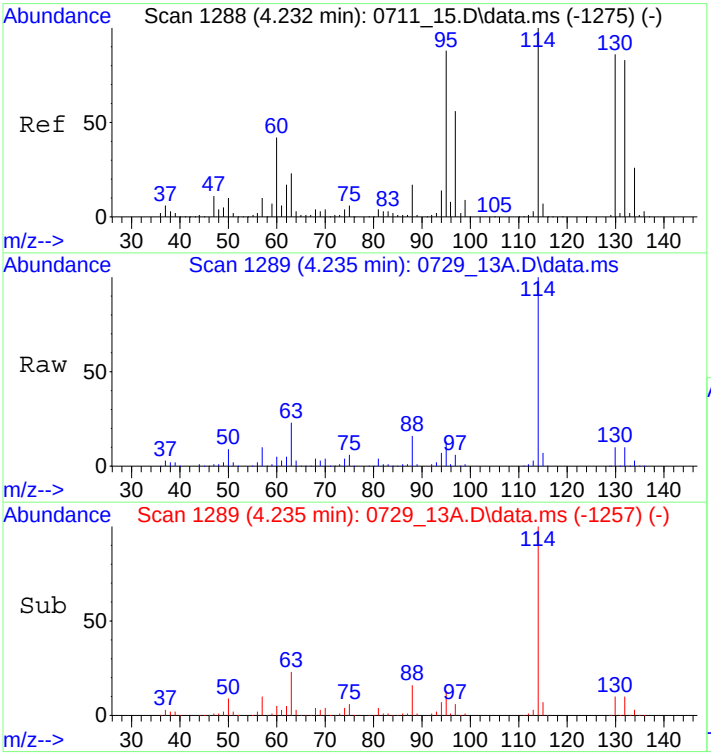


#32
CHLOROFORM
Concen: 0.4966487 ppb
RT: 3.573 min Scan# 1083
Delta R.T. 0.004 min
Lab File: 0729 13A.D
Acq: 29 Jul 2014 8:58 pm

Tgt Ion: 83 Resp: 5341

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
87	9.7	8.4	12.6

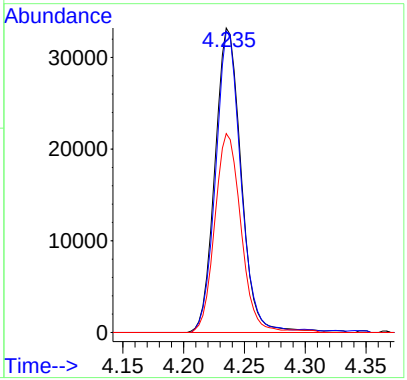


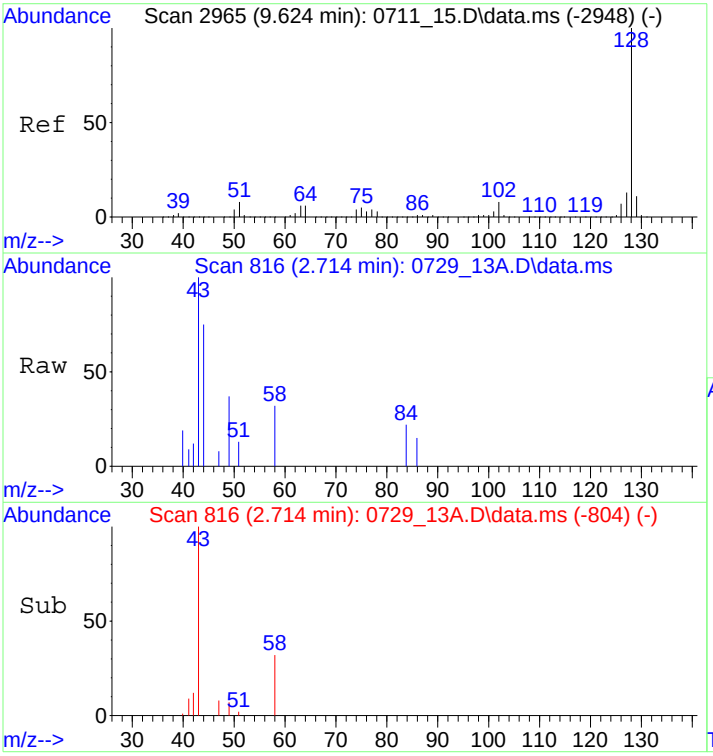


#42
TRICHLOROETHENE
Concen: 8.6675052 ppb
RT: 4.235 min Scan# 1289
Delta R.T. 0.003 min
Lab File: 0729_13A.D
Acq: 29 Jul 2014 8:58 pm

Tgt Ion:130 Resp: 49755

Ion	Ratio	Lower	Upper
130	100		
132	95.0	76.8	115.2
97	65.1	52.0	78.0

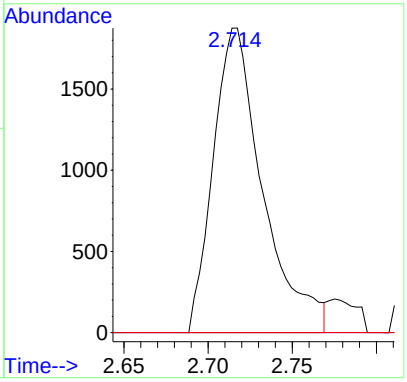


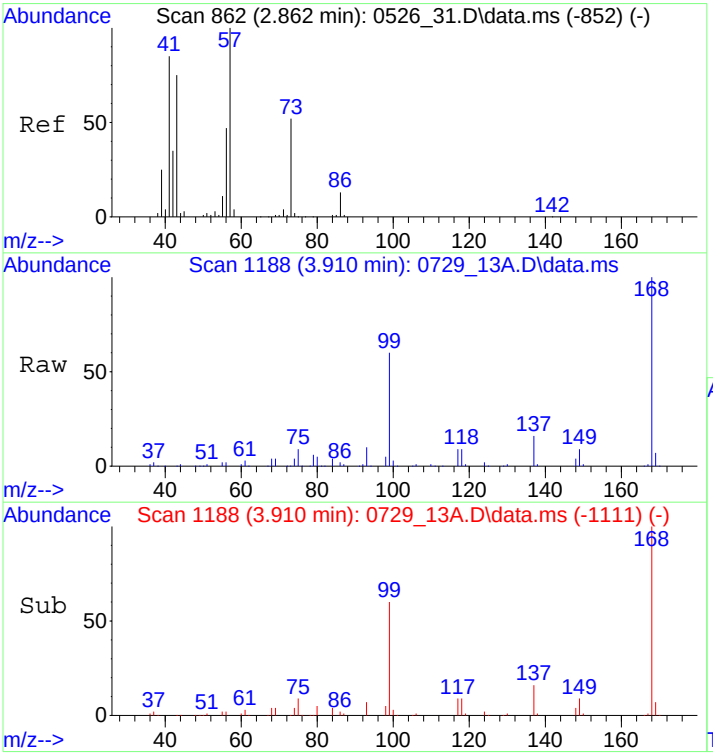


#100
Methyl Acetate
Concen: 0.9864166 ppb
RT: 2.714 min Scan# 816
Delta R.T. -0.062 min
Lab File: 0729 13A.D
Acq: 29 Jul 2014 8:58 pm

Tgt Ion: 43 Resp: 3841

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.1	24.1#
29	0.0	0.0	0.0

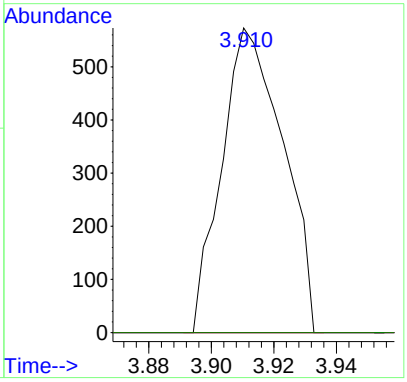




#108
METHACRYLONITRILE
Concen: 0.3788697 ppb
RT: 3.910 min Scan# 1188
Delta R.T. -0.004 min
Lab File: 0729_13A.D
Acq: 29 Jul 2014 8:58 pm

Tgt Ion: 67 Resp: 783

Ion	Ratio	Lower	Upper
67	100		
41	0.0	124.7	187.1#
39	0.0	66.9	100.3#
52	0.0	37.3	55.9#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 27A.D
Acq On : 30 Jul 2014 1:39 am
Operator : 644
Sample : L712424-04 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:29:15 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

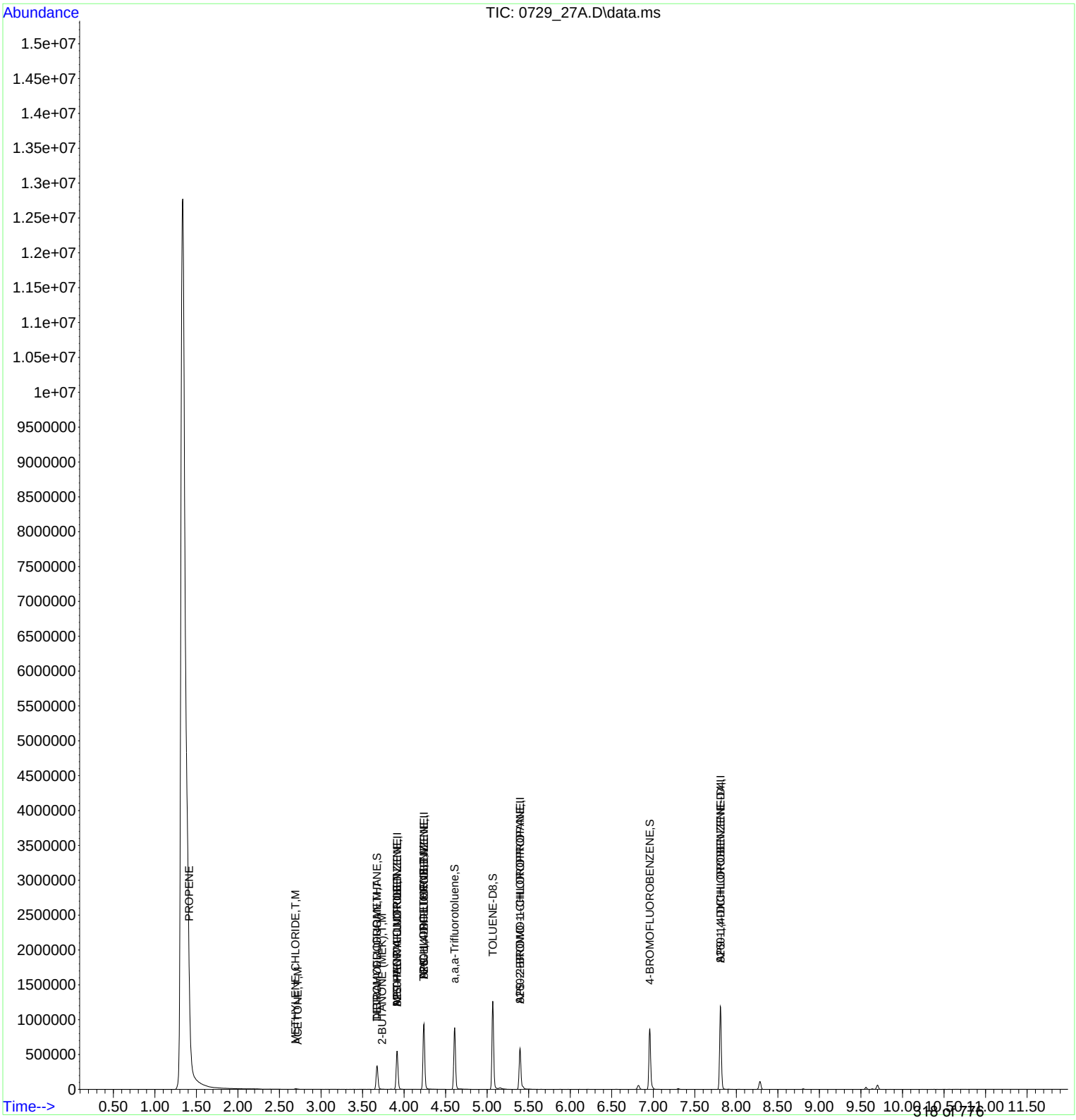
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	294528	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	534015	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	105525	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.811	152	275222	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	294528	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	534015	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	105525	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.811	152	275222	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.676	111	172180	41.0832017 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 102.71%		
46) a,a,a-Trifluorotoluene	4.608	146	302590	41.4171042 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 103.54%		
50) TOLUENE-D8	5.068	98	698450	40.8476503 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 102.12%		
68) 4-BROMOFLUOROBENZENE	6.959	95	284725	40.7977823 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 101.99%		
Target Compounds					Qvalue
3) PROPENE	1.412	41	840	0.5029220 ppb #	57
16) ACETONE	2.721	43	4469	3.0743769 ppb	98
19) METHYLENE CHLORIDE	2.692	84	3210	0.4667415 ppb	95
29) 2-BUTANONE (MEK)	3.737	43	1677	0.7117674 ppb #	47
31) TETRAHYDROFURAN	3.672	42	1551	0.8568889 ppb #	82
42) TRICHLOROETHENE	4.235	130	26264	4.5493430 ppb	98
108) METHACRYLONITRILE	3.914	67	789	0.3736650 ppb #	1
116) Methyl Cyclohexane	4.235	83	6203	Below Cal #	37

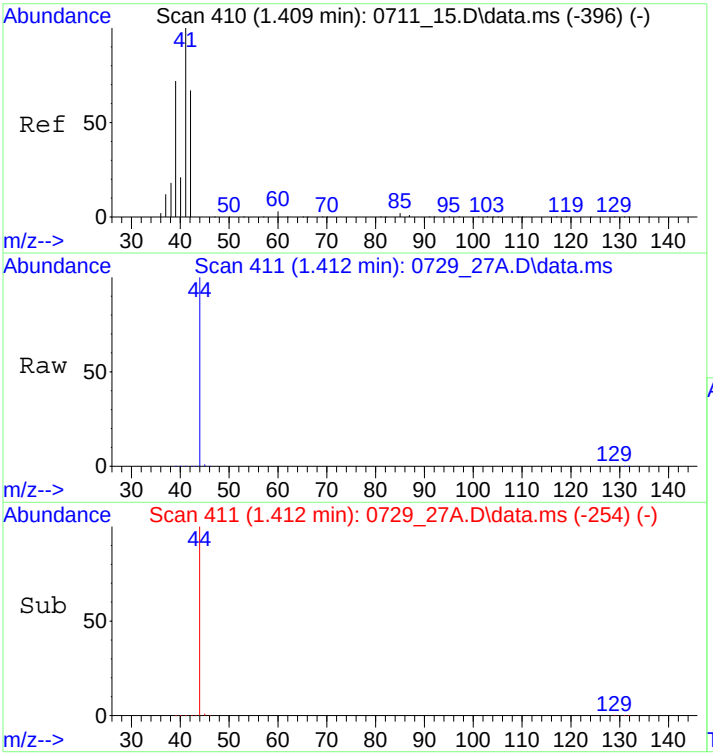
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 27A.D
Acq On : 30 Jul 2014 1:39 am
Operator : 644
Sample : L712424-04 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:29:15 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

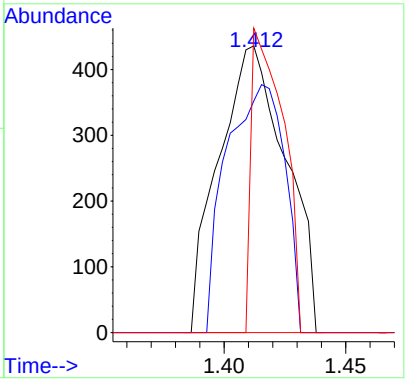


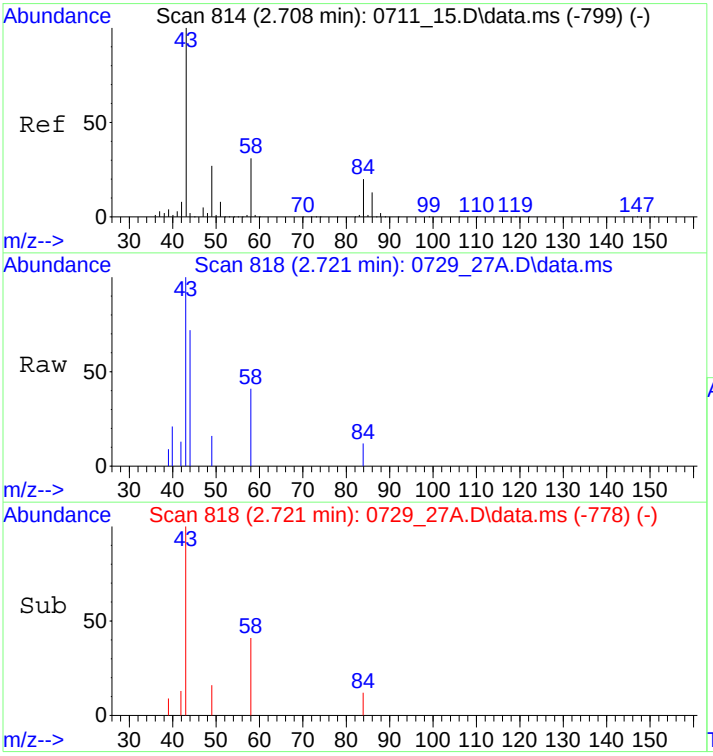


#3
PROPENE
Concen: 0.5029220 ppb
RT: 1.412 min Scan# 411
Delta R.T. 0.004 min
Lab File: 0729 27A.D
Acq: 30 Jul 2014 1:39 am

Tgt Ion: 41 Resp: 840

Ion	Ratio	Lower	Upper
41	100		
39	74.5	59.4	89.2
42	0.0	58.1	87.1#

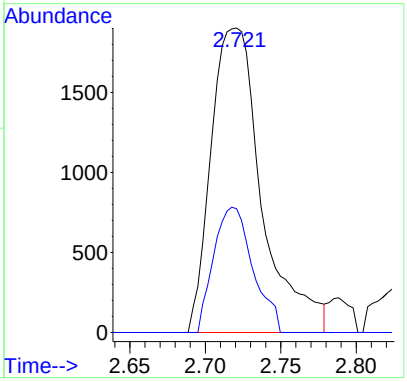


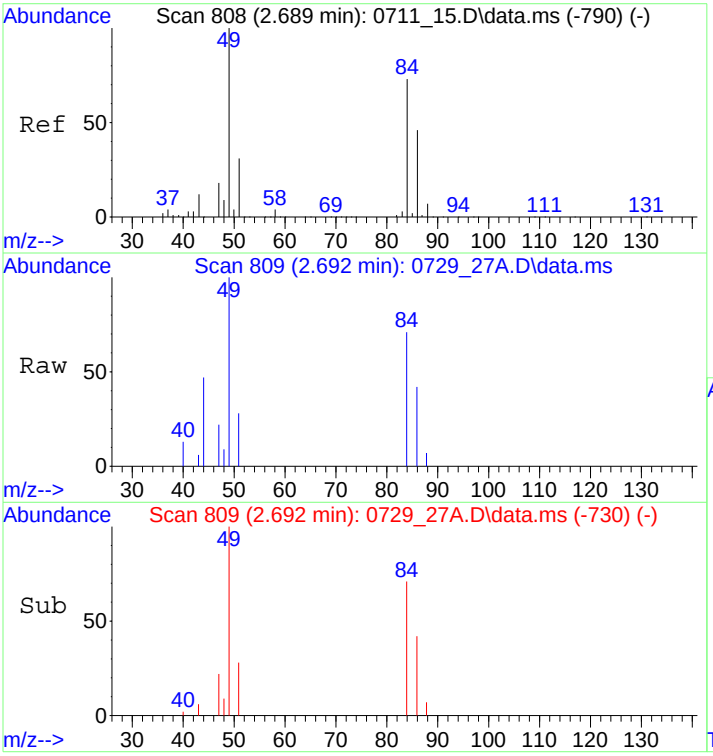


#16
ACETONE
Concen: 3.0743769 ppb
RT: 2.721 min Scan# 818
Delta R.T. 0.010 min
Lab File: 0729_27A.D
Acq: 30 Jul 2014 1:39 am

Tgt Ion: 43 Resp: 4469

Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.6	37.0

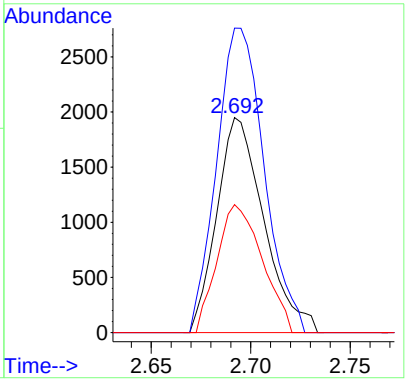


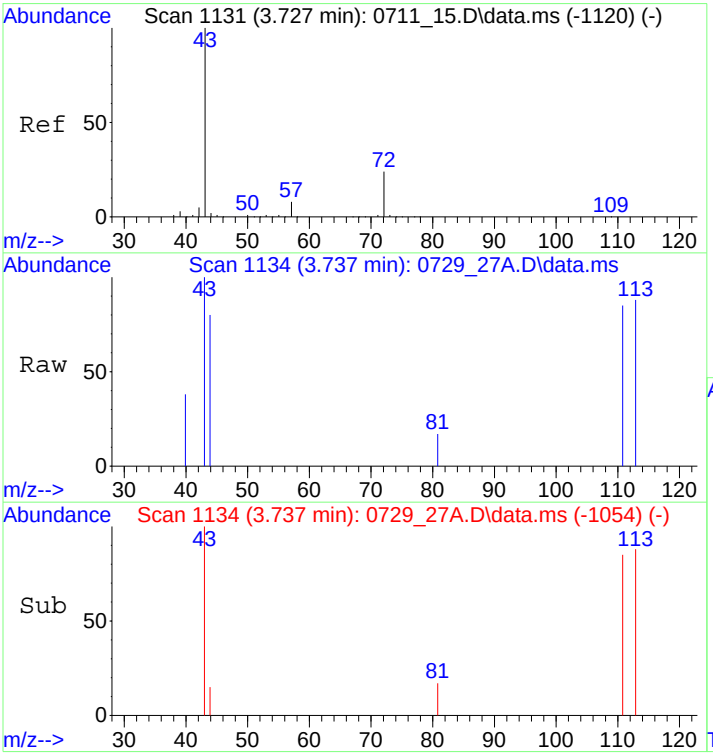


#19
METHYLENE CHLORIDE
Concen: 0.4667415 ppb
RT: 2.692 min Scan# 809
Delta R.T. 0.004 min
Lab File: 0729 27A.D
Acq: 30 Jul 2014 1:39 am

Tgt Ion: 84 Resp: 3210

Ion	Ratio	Lower	Upper
84	100		
49	142.9	110.7	166.1
86	57.0	51.1	76.7

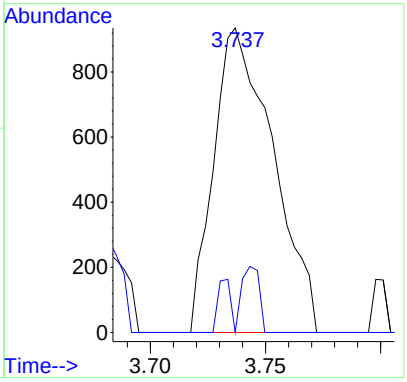


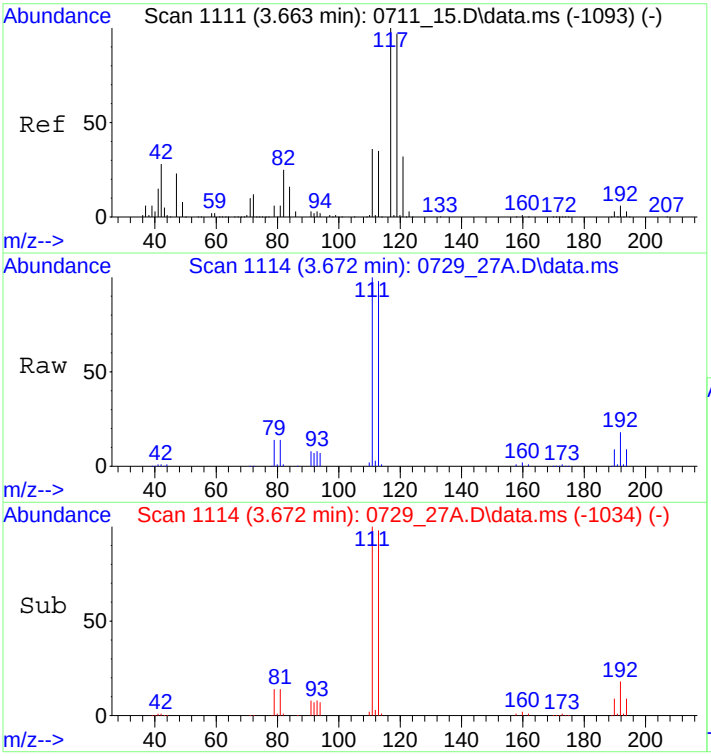


#29
2-BUTANONE (MEK)
Concen: 0.7117674 ppb
RT: 3.737 min Scan# 1134
Delta R.T. 0.006 min
Lab File: 0729_27A.D
Acq: 30 Jul 2014 1:39 am

Tgt Ion: 43 Resp: 1677

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#

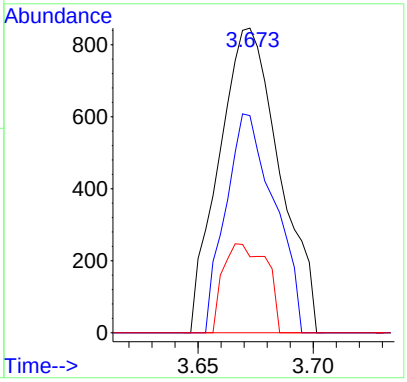


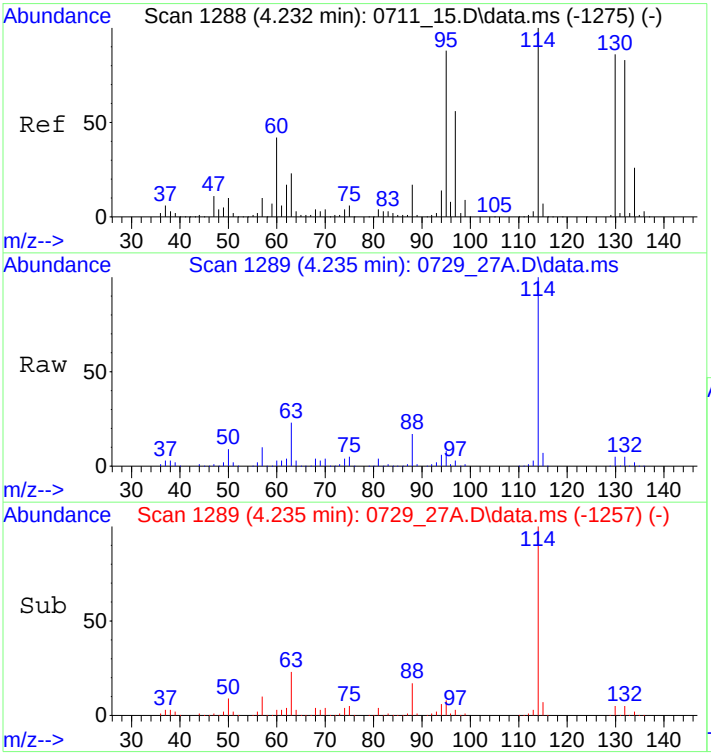


#31
TETRAHYDROFURAN
Concen: 0.8568889 ppb
RT: 3.672 min Scan# 1114
Delta R.T. 0.006 min
Lab File: 0729 27A.D
Acq: 30 Jul 2014 1:39 am

Tgt Ion: 42 Resp: 1551

Ion	Ratio	Lower	Upper
42	100		
41	57.6	42.4	63.6
39	0.0	17.4	26.2#

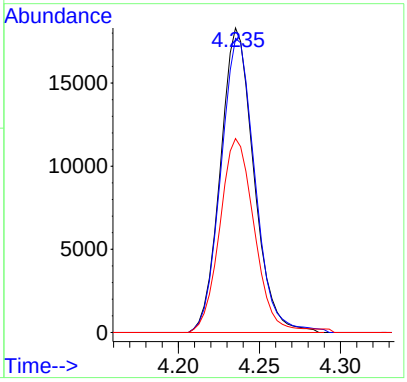


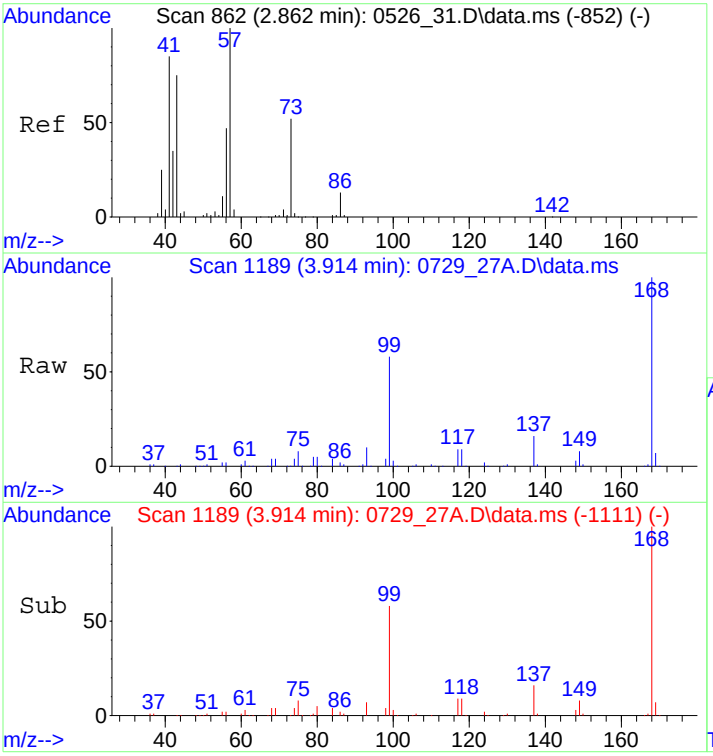


#42
TRICHLOROETHENE
Concen: 4.5493430 ppb
RT: 4.235 min Scan# 1289
Delta R.T. 0.003 min
Lab File: 0729_27A.D
Acq: 30 Jul 2014 1:39 am

Tgt Ion:130 Resp: 26264

Ion	Ratio	Lower	Upper
130	100		
132	98.6	76.8	115.2
97	66.3	52.0	78.0

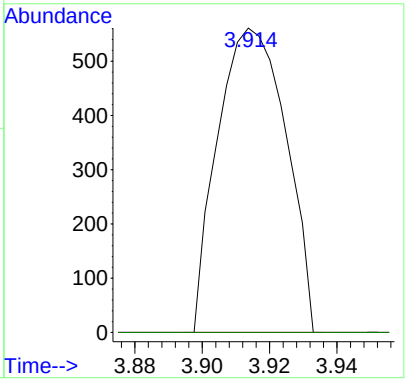




#108
METHACRYLONITRILE
Concen: 0.3736650 ppb
RT: 3.914 min Scan# 1189
Delta R.T. -0.000 min
Lab File: 0729 27A.D
Acq: 30 Jul 2014 1:39 am

Tgt Ion: 67 Resp: 789

Ion	Ratio	Lower	Upper
67	100		
41	0.0	124.7	187.1#
39	0.0	66.9	100.3#
52	0.0	37.3	55.9#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 26A.D
Acq On : 30 Jul 2014 1:19 am
Operator : 644
Sample : L712424-03 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 27 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:28:10 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

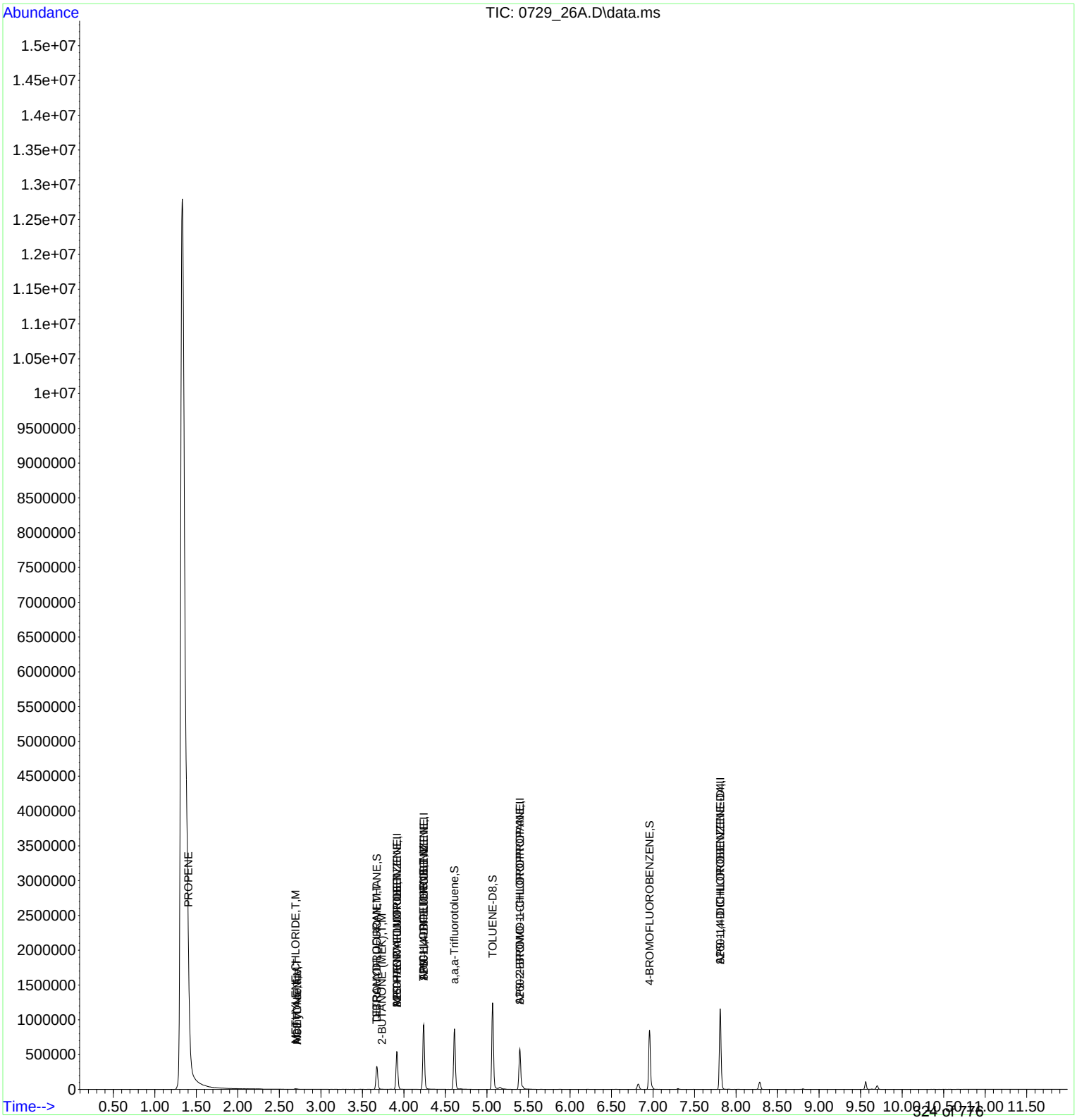
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	288457	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	533690	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	103656	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.811	152	268670	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	288457	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	533690	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	103656	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.811	152	268670	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.672	111	168002	40.9299803 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 102.32%		
46) a,a,a-Trifluorotoluene	4.608	146	299000	40.9506443 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.38%		
50) TOLUENE-D8	5.068	98	702559	41.1129794 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 102.78%		
68) 4-BROMOFLUOROBENZENE	6.958	95	277206	40.4365874 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 101.09%		
Target Compounds					Qvalue
3) PROPENE	1.406	41	883	0.5397934 ppb #	52
16) ACETONE	2.714	43	4689	3.2936124 ppb	100
19) METHYLENE CHLORIDE	2.695	84	3058	0.4539985 ppb	93
29) 2-BUTANONE (MEK)	3.737	43	1983	0.8593563 ppb #	47
31) TETRAHYDROFURAN	3.669	42	2008	1.1327184 ppb #	84
42) TRICHLOROETHENE	4.235	130	24037	4.1661266 ppb	100
100) Methyl Acetate	2.714	43	4689	1.2034254 ppb #	56
108) METHACRYLONITRILE	3.917	67	790	0.3820129 ppb #	1

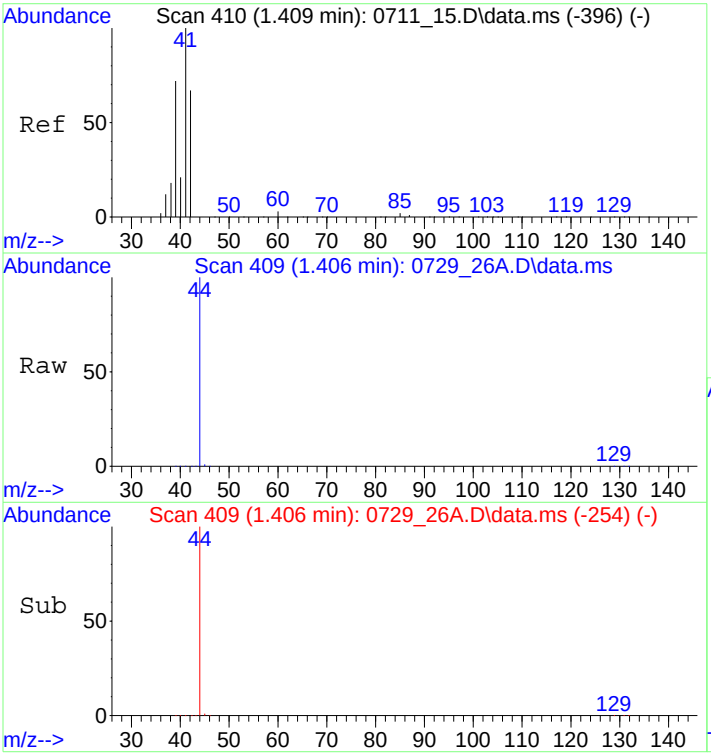
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 26A.D
Acq On : 30 Jul 2014 1:19 am
Operator : 644
Sample : L712424-03 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 27 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:28:10 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

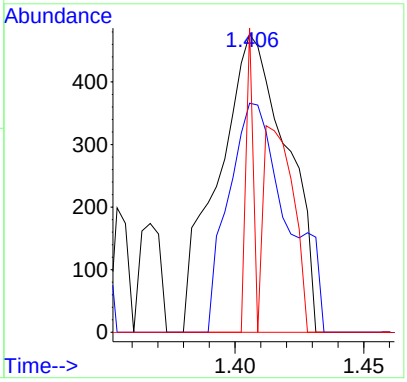


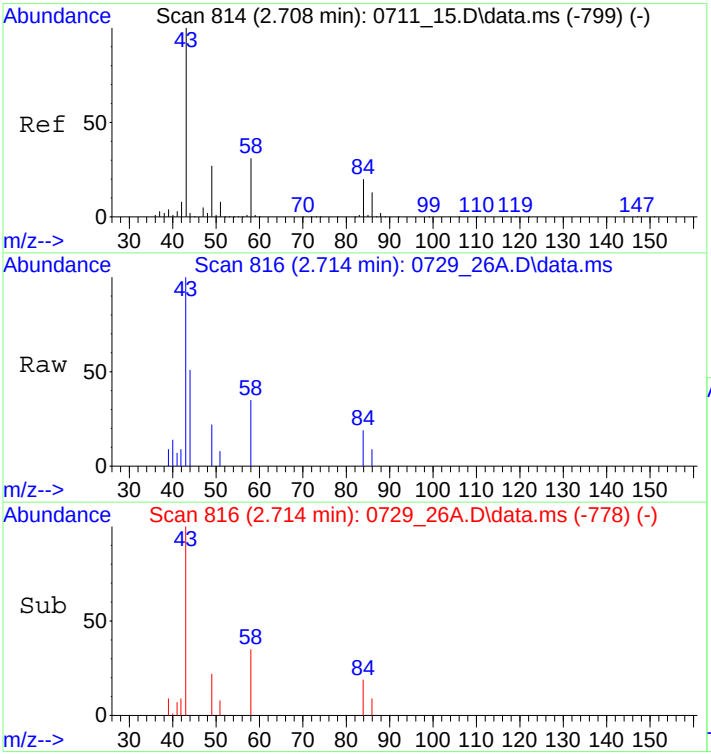


#3
PROPENE
Concen: 0.5397934 ppb
RT: 1.406 min Scan# 409
Delta R.T. -0.002 min
Lab File: 0729 26A.D
Acq: 30 Jul 2014 1:19 am

Tgt Ion: 41 Resp: 883

Ion	Ratio	Lower	Upper
41	100		
39	65.8	59.4	89.2
42	0.0	58.1	87.1#

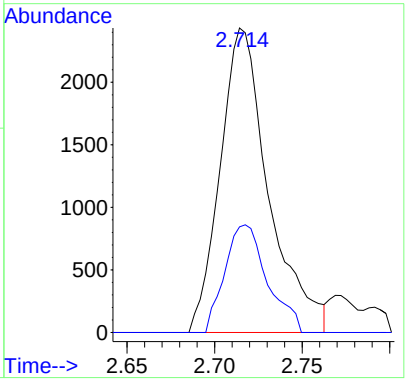


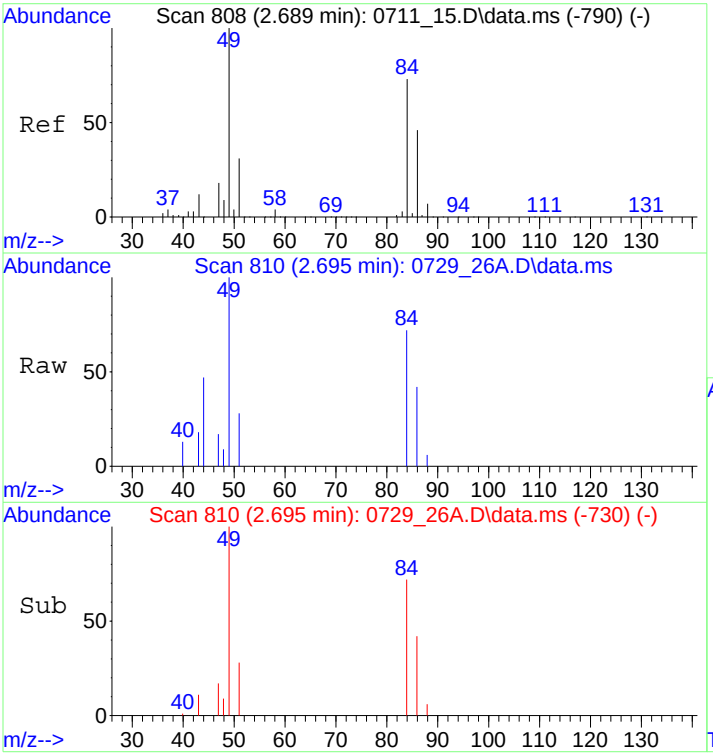


#16
ACETONE
Concen: 3.2936124 ppb
RT: 2.714 min Scan# 816
Delta R.T. 0.003 min
Lab File: 0729_26A.D
Acq: 30 Jul 2014 1:19 am

Tgt Ion: 43 Resp: 4689

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.6	37.0

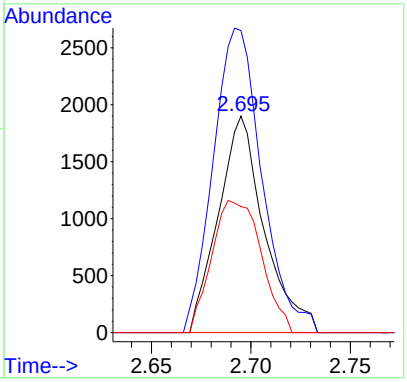


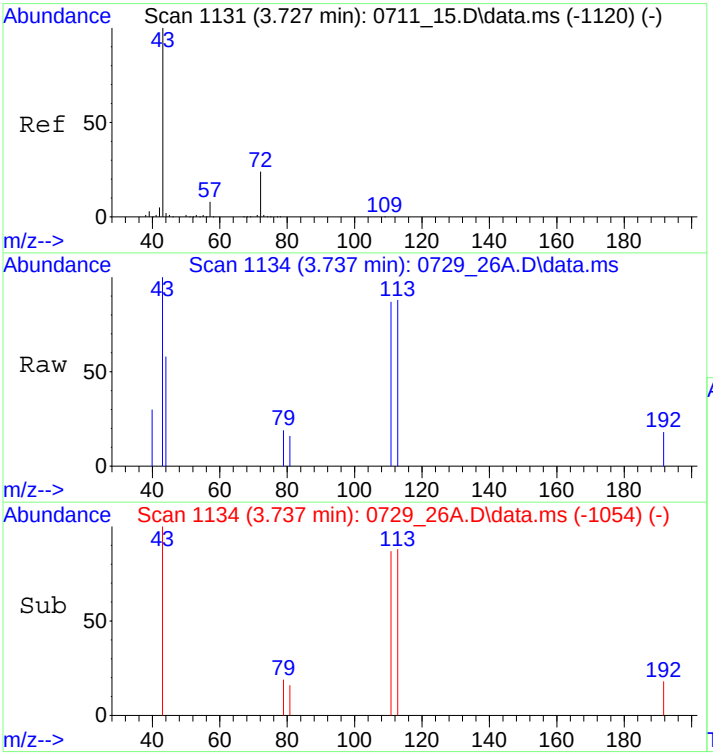


#19
METHYLENE CHLORIDE
Concen: 0.4539985 ppb
RT: 2.695 min Scan# 810
Delta R.T. 0.007 min
Lab File: 0729 26A.D
Acq: 30 Jul 2014 1:19 am

Tgt Ion: 84 Resp: 3058

Ion	Ratio	Lower	Upper
84	100		
49	149.2	110.7	166.1
86	65.7	51.1	76.7

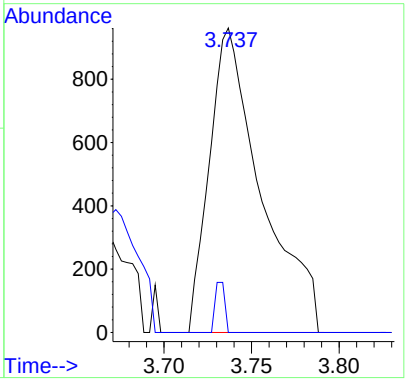


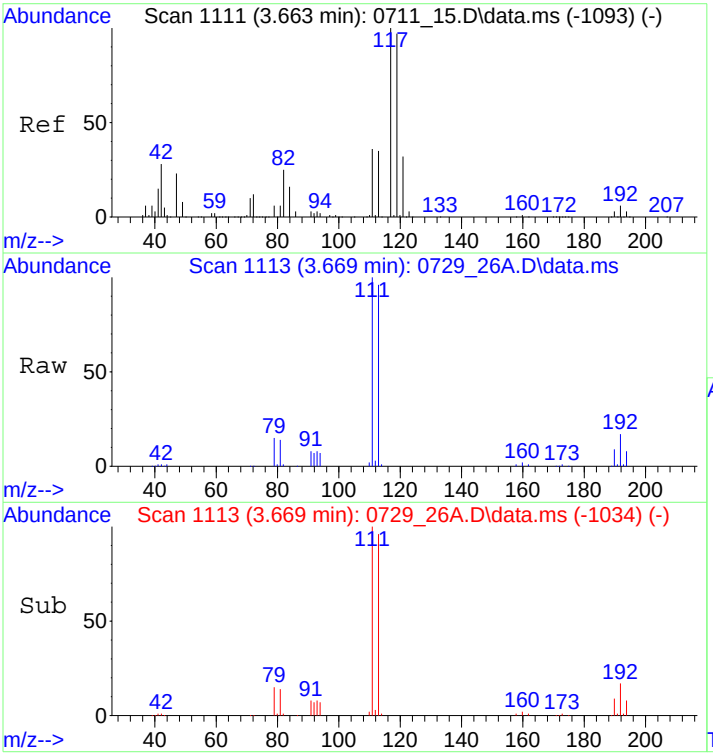


#29
2-BUTANONE (MEK)
Concen: 0.8593563 ppb
RT: 3.737 min Scan# 1134
Delta R.T. 0.006 min
Lab File: 0729_26A.D
Acq: 30 Jul 2014 1:19 am

Tgt Ion: 43 Resp: 1983

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#

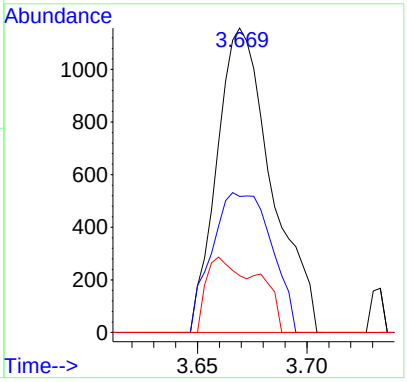


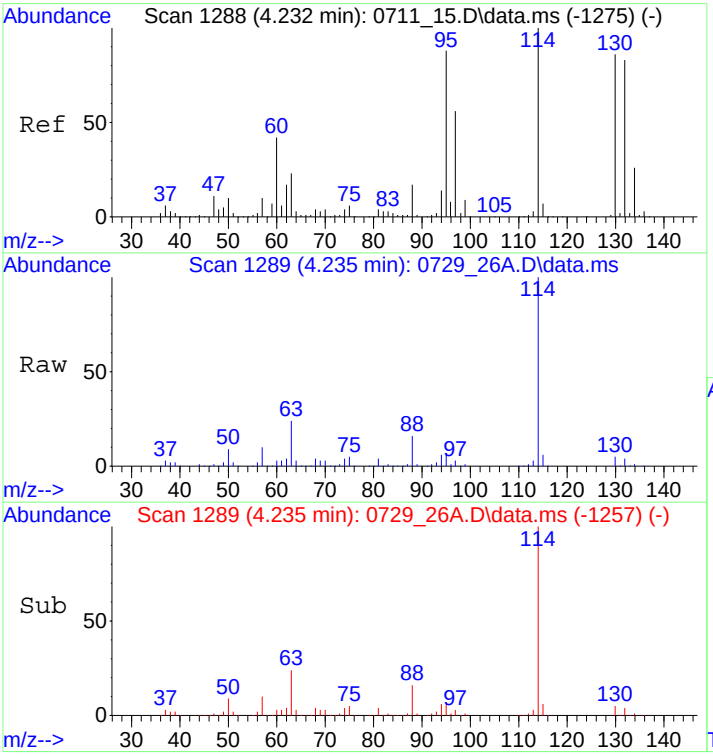


#31
TETRAHYDROFURAN
Concen: 1.1327184 ppb
RT: 3.669 min Scan# 1113
Delta R.T. 0.003 min
Lab File: 0729 26A.D
Acq: 30 Jul 2014 1:19 am

Tgt Ion: 42 Resp: 2008

Ion	Ratio	Lower	Upper
42	100		
41	50.0	42.4	63.6
39	0.0	17.4	26.2#

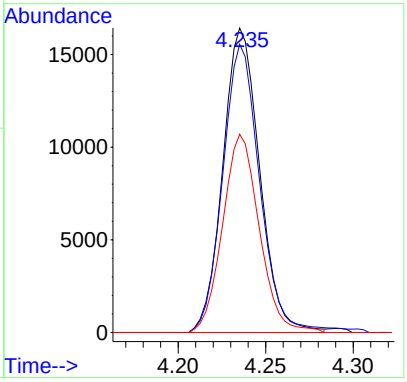


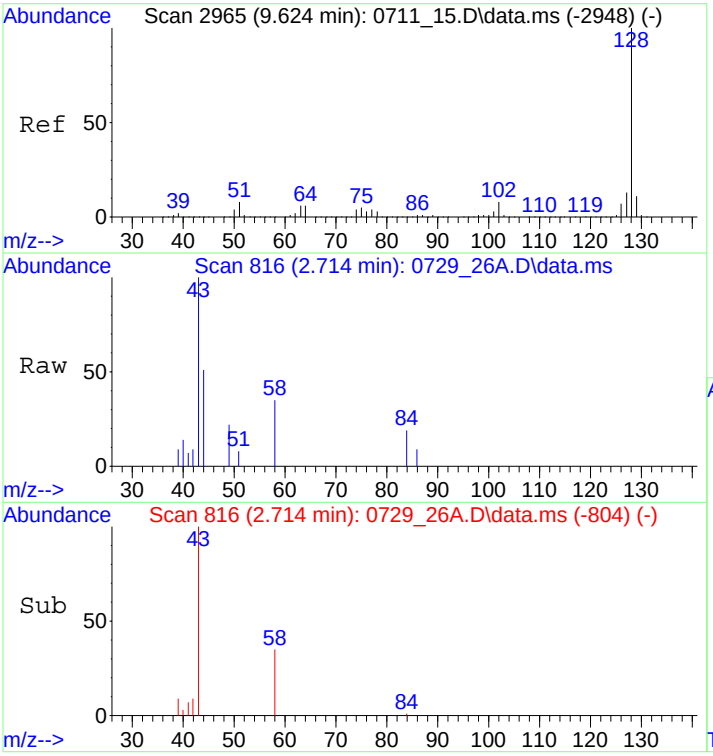


#42
TRICHLOROETHENE
Concen: 4.1661266 ppb
RT: 4.235 min Scan# 1289
Delta R.T. 0.003 min
Lab File: 0729_26A.D
Acq: 30 Jul 2014 1:19 am

Tgt Ion:130 Resp: 24037

Ion	Ratio	Lower	Upper
130	100		
132	95.7	76.8	115.2
97	64.7	52.0	78.0

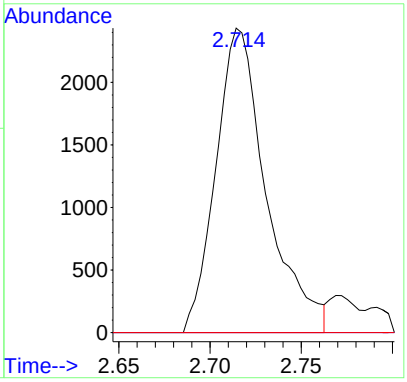


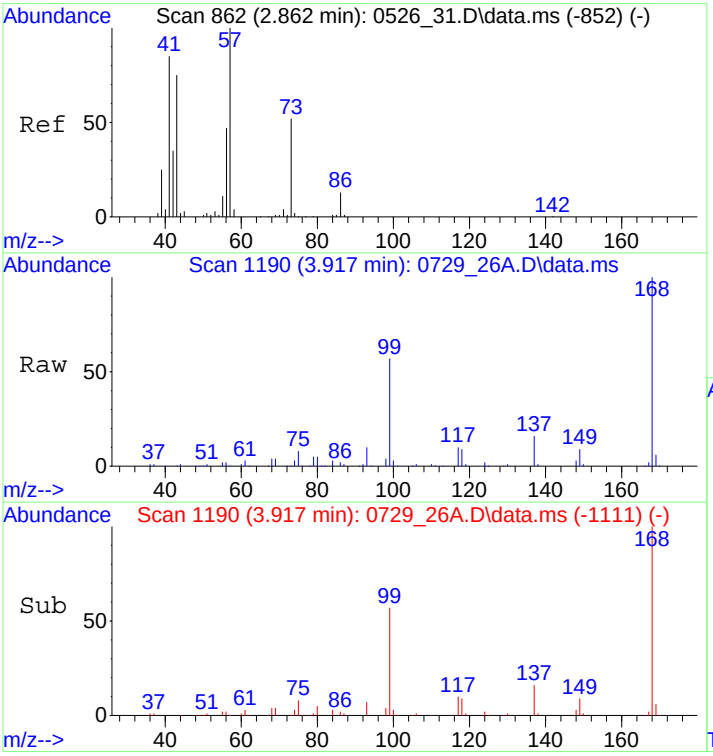


#100
Methyl Acetate
Concen: 1.2034254 ppb
RT: 2.714 min Scan# 816
Delta R.T. -0.061 min
Lab File: 0729 26A.D
Acq: 30 Jul 2014 1:19 am

Tgt Ion: 43 Resp: 4689

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.1	24.1#
29	0.0	0.0	0.0

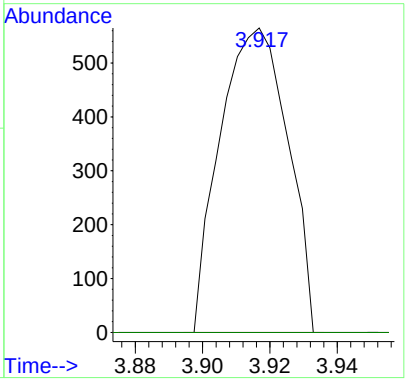




#108
METHACRYLONITRILE
Concen: 0.3820129 ppb
RT: 3.917 min Scan# 1190
Delta R.T. 0.003 min
Lab File: 0729_26A.D
Acq: 30 Jul 2014 1:19 am

Tgt Ion: 67 Resp: 790

Ion	Ratio	Lower	Upper
67	100		
41	0.0	124.7	187.1#
39	0.0	66.9	100.3#
52	0.0	37.3	55.9#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 25A.D
Acq On : 30 Jul 2014 12:59 am
Operator : 644
Sample : L712424-02 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 26 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:26:24 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

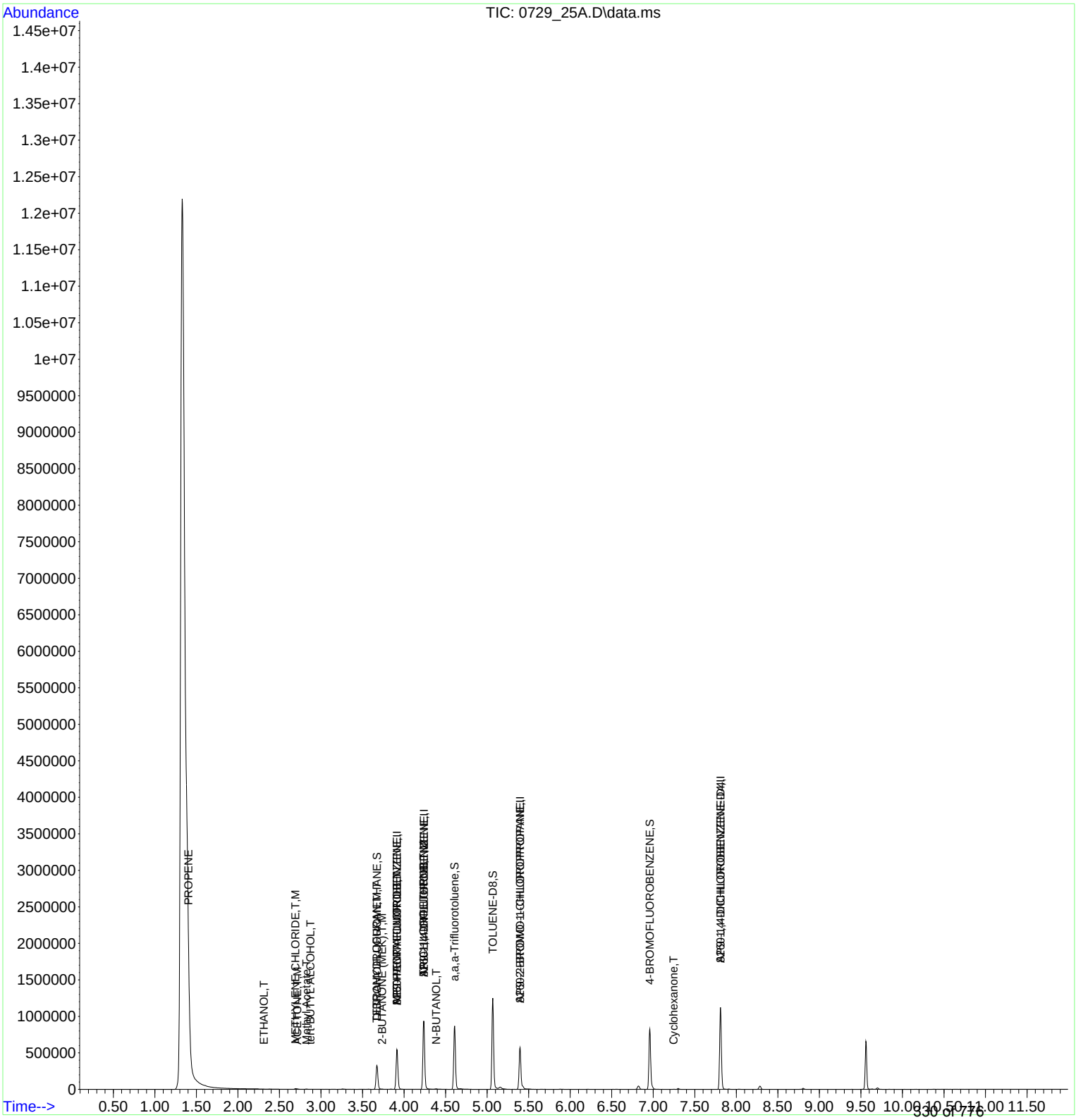
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	290129	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	532367	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	101034	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.811	152	263544	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	290129	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	532367	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	101034	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.811	152	263544	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	166330	40.2891044 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 100.72%		
46) a,a,a-Trifluorotoluene	4.608	146	302217	41.4941028 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 103.74%		
50) TOLUENE-D8	5.068	98	699511	41.0363415 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 102.59%		
68) 4-BROMOFLUOROBENZENE	6.959	95	272743	40.8180621 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 102.05%		
Target Compounds					Qvalue
3) PROPENE	1.406	41	674	0.4096535 ppb #	75
16) ACETONE	2.714	43	6171	4.3096078 ppb	97
19) METHYLENE CHLORIDE	2.692	84	3106	0.4584672 ppb	89
29) 2-BUTANONE (MEK)	3.737	43	2322	1.0004668 ppb #	47
31) TETRAHYDROFURAN	3.669	42	1825	1.0235547 ppb #	83
42) TRICHLOROETHENE	4.235	130	28854	5.0134440 ppb	98
97) ETHANOL	2.312	45	612	11.8027620 ppb #	32
100) Methyl Acetate	2.824	43	1670	0.4261332 ppb #	56
103) tert-BUTYL ALCOHOL	2.872	59	607	0.9682561 ppb #	62
108) METHACRYLONITRILE	3.914	67	835	0.4014462 ppb #	1
115) N-BUTANOL	4.386	56	3838	20.1034585 ppb	98
116) Methyl Cyclohexane	4.238	83	6211	Below Cal #	36
125) Cyclohexanone	7.245	55	637	0.5116813 ppb #	21

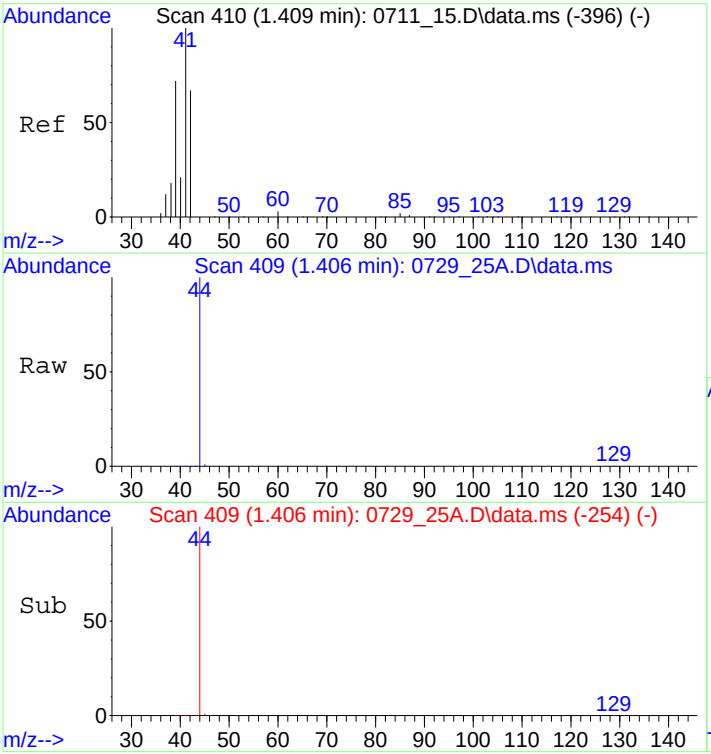
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 25A.D
Acq On : 30 Jul 2014 12:59 am
Operator : 644
Sample : L712424-02 1x WG734030 V8260
Misc : water IS/SURR14F17495
ALS Vial : 26 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:26:24 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

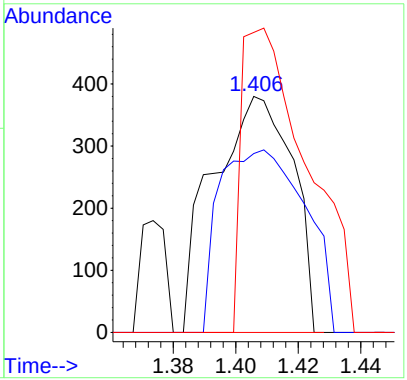


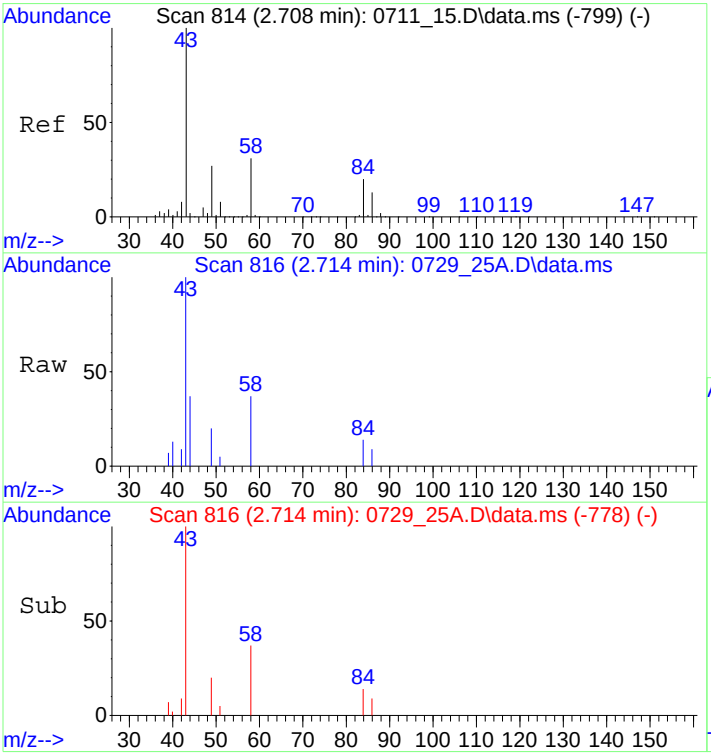


#3
PROPENE
Concen: 0.4096535 ppb
RT: 1.406 min Scan# 409
Delta R.T. -0.002 min
Lab File: 0729 25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion: 41 Resp: 674

Ion	Ratio	Lower	Upper
41	100		
39	83.4	59.4	89.2
42	106.2	58.1	87.1#

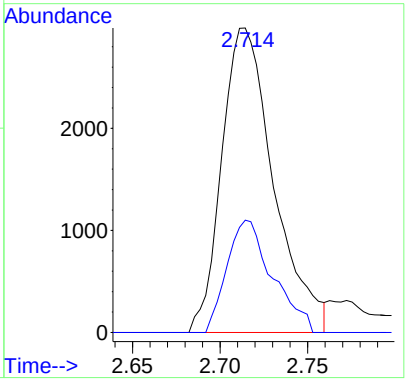


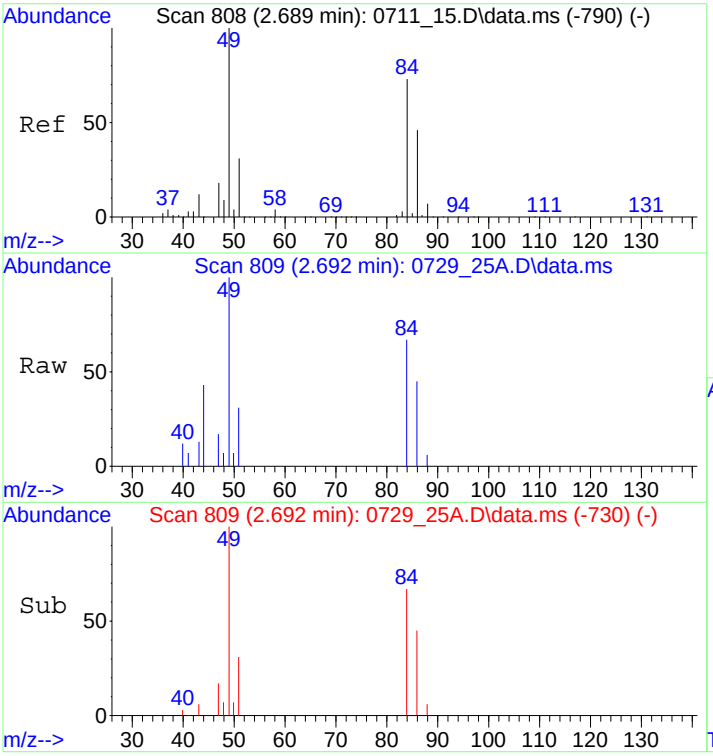


#16
ACETONE
Concen: 4.3096078 ppb
RT: 2.714 min Scan# 816
Delta R.T. 0.003 min
Lab File: 0729_25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion: 43 Resp: 6171

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.6	37.0

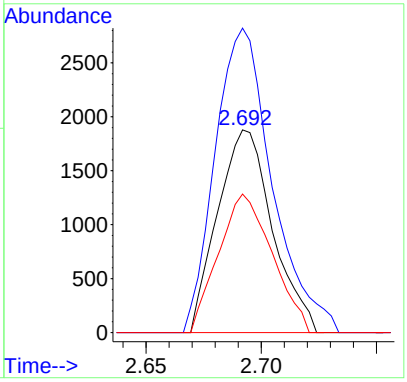


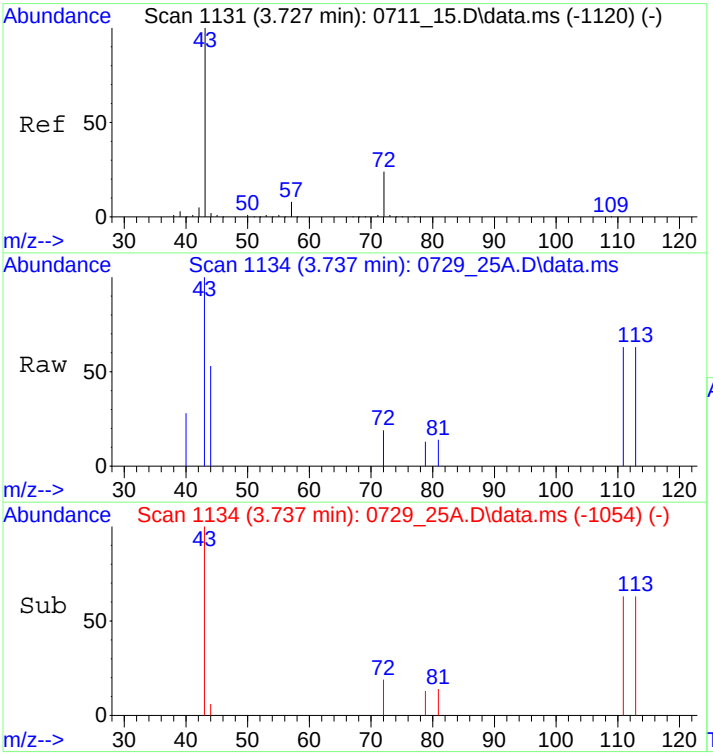


#19
METHYLENE CHLORIDE
Concen: 0.4584672 ppb
RT: 2.692 min Scan# 809
Delta R.T. 0.004 min
Lab File: 0729 25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion: 84 Resp: 3106

Ion	Ratio	Lower	Upper
84	100		
49	156.5	110.7	166.1
86	66.9	51.1	76.7

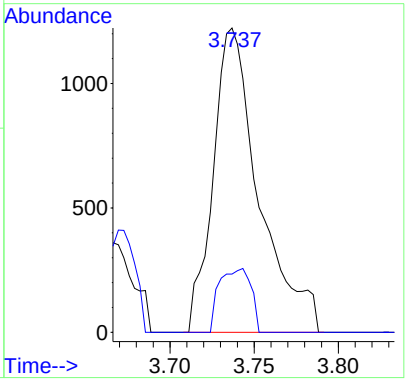


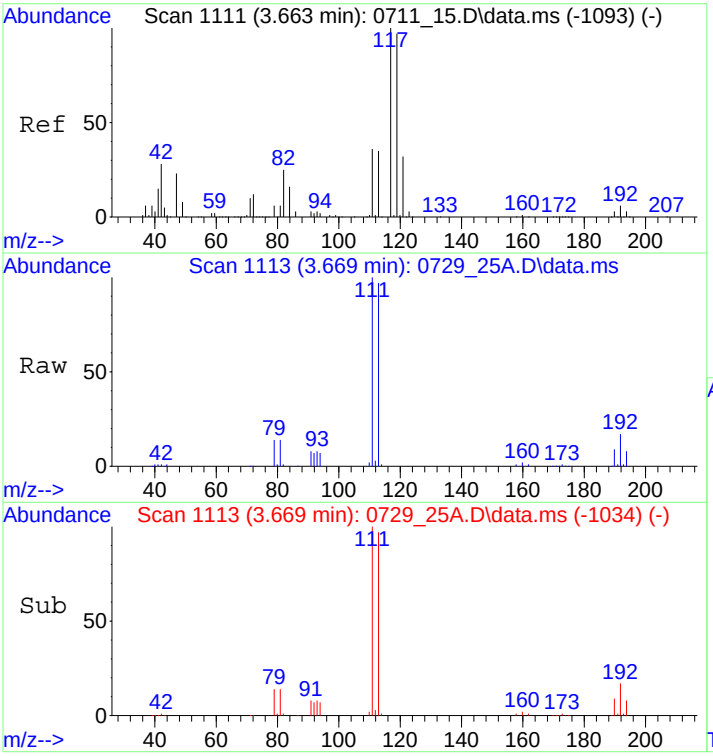


#29
2-BUTANONE (MEK)
Concen: 1.0004668 ppb
RT: 3.737 min Scan# 1134
Delta R.T. 0.006 min
Lab File: 0729_25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion: 43 Resp: 2322

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#

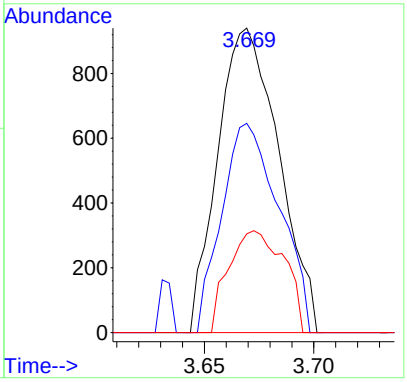


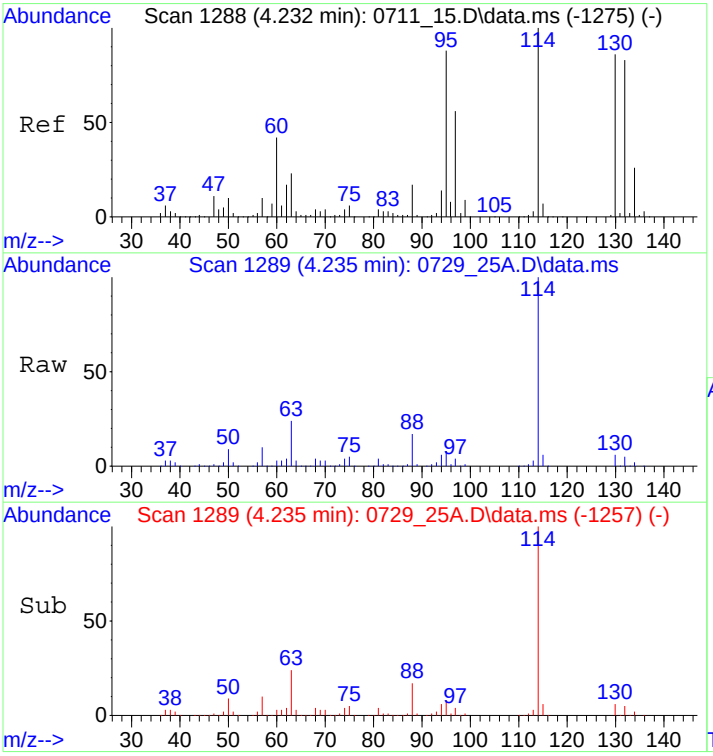


#31
TETRAHYDROFURAN
Concen: 1.0235547 ppb
RT: 3.669 min Scan# 1113
Delta R.T. 0.003 min
Lab File: 0729 25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion: 42 Resp: 1825

Ion	Ratio	Lower	Upper
42	100		
41	64.7	42.4	63.6#
39	30.4	17.4	26.2#

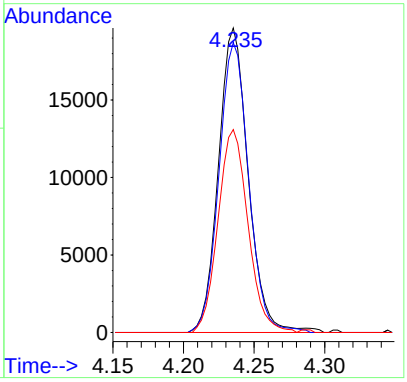


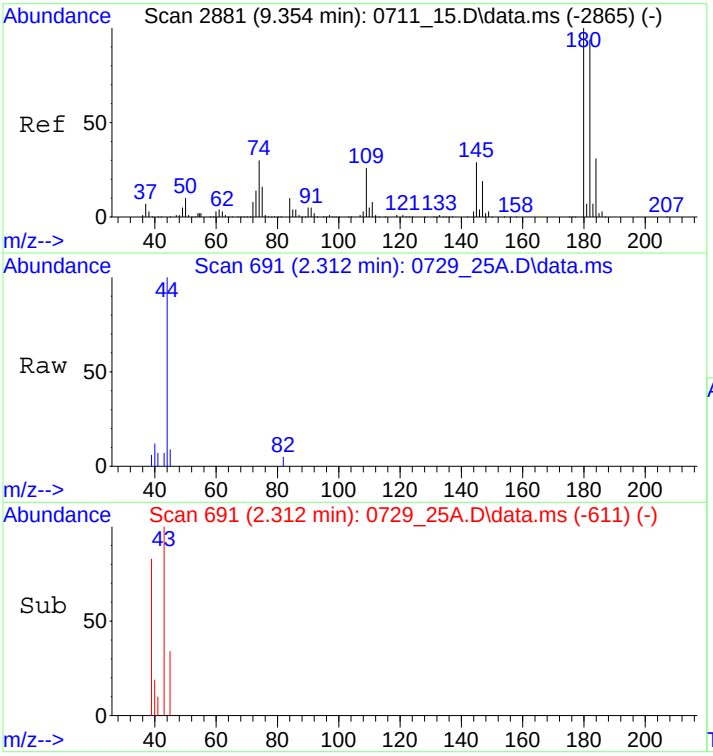


#42
TRICHLOROETHENE
Concen: 5.0134440 ppb
RT: 4.235 min Scan# 1289
Delta R.T. 0.003 min
Lab File: 0729_25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion:130 Resp: 28854

Ion	Ratio	Lower	Upper
130	100		
132	94.9	76.8	115.2
97	67.1	52.0	78.0

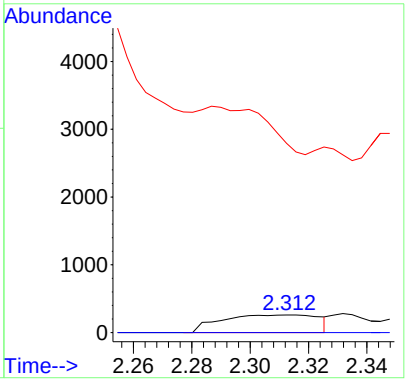


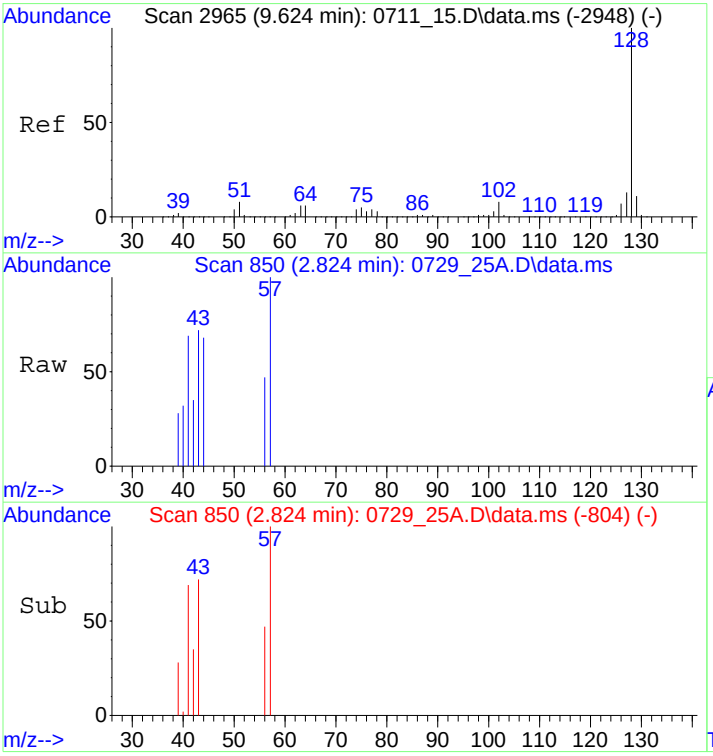


#97
ETHANOL
Concen: 11.8027620 ppb
RT: 2.312 min Scan# 691
Delta R.T. 0.006 min
Lab File: 0729 25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion: 45 Resp: 612

Ion	Ratio	Lower	Upper
45	100		
46	0.0	35.2	52.8#
44	0.0	0.0	0.0

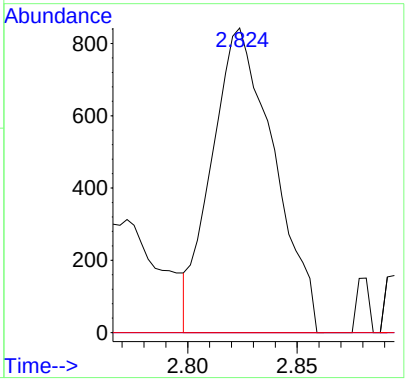


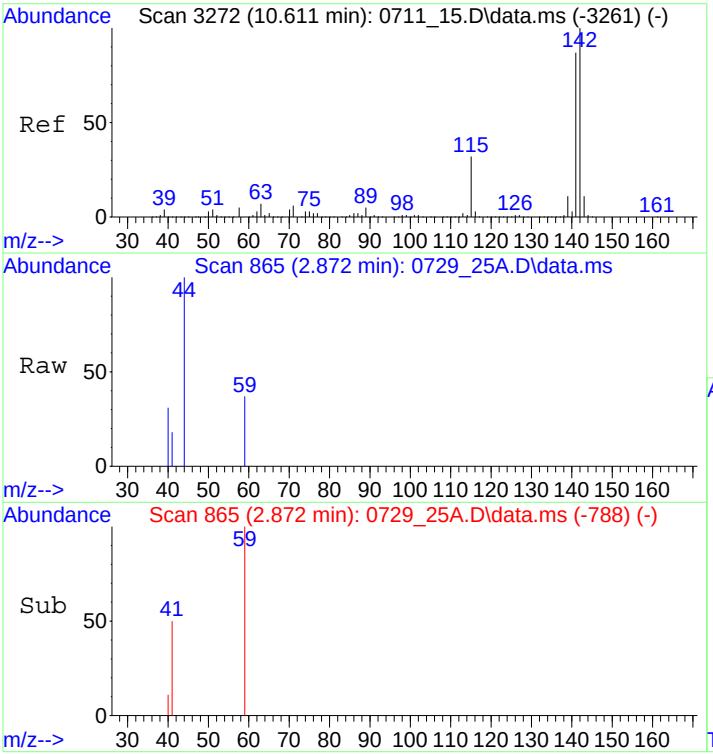


#100
Methyl Acetate
Concen: 0.4261332 ppb
RT: 2.824 min Scan# 850
Delta R.T. 0.048 min
Lab File: 0729_25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion: 43 Resp: 1670

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.1	24.1#
29	0.0	0.0	0.0

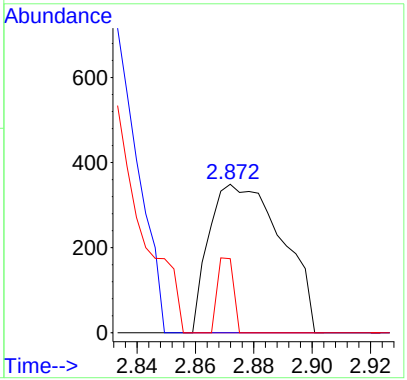


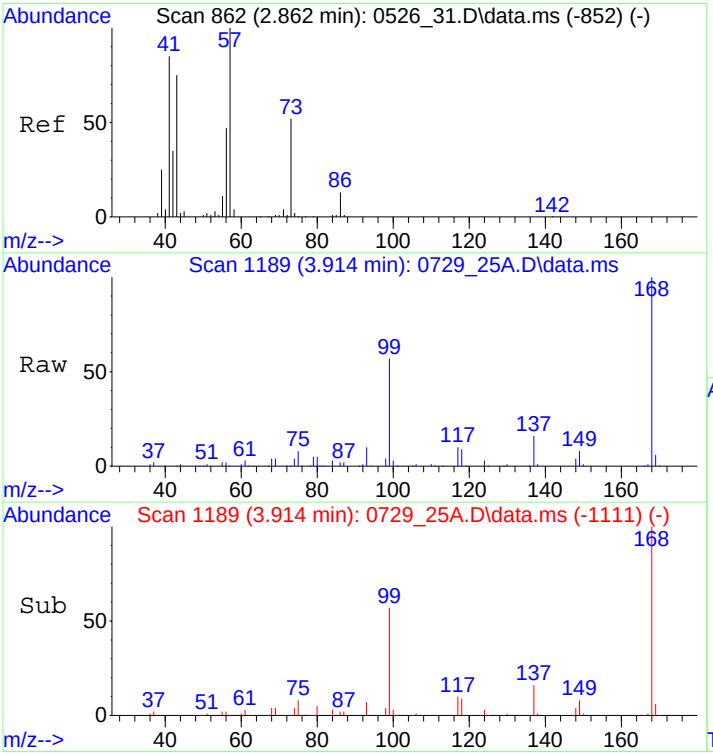


#103
tert-BUTYL ALCOHOL
Concen: 0.9682561 ppb
RT: 2.872 min Scan# 865
Delta R.T. -0.003 min
Lab File: 0729 25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion: 59 Resp: 607

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#
41	0.0	15.7	23.5#

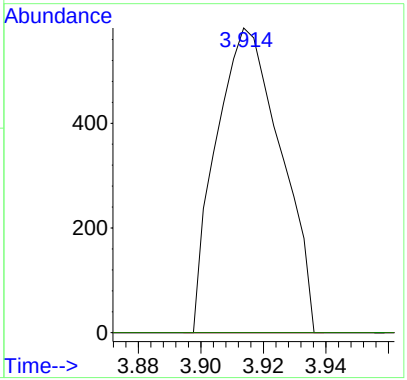


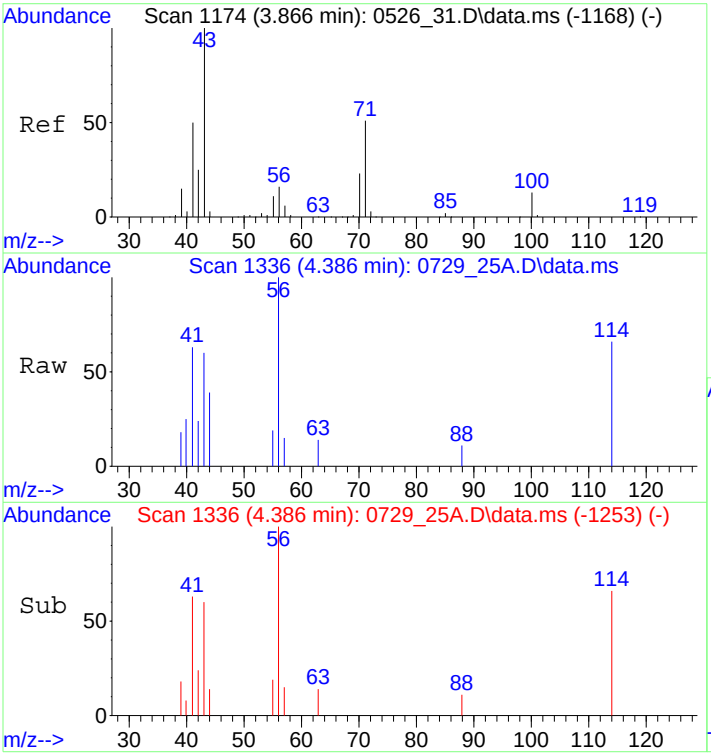


#108
METHACRYLONITRILE
Concen: 0.4014462 ppb
RT: 3.914 min Scan# 1189
Delta R.T. -0.000 min
Lab File: 0729_25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion: 67 Resp: 835

Ion	Ratio	Lower	Upper
67	100		
41	0.0	124.7	187.1#
39	0.0	66.9	100.3#
52	0.0	37.3	55.9#

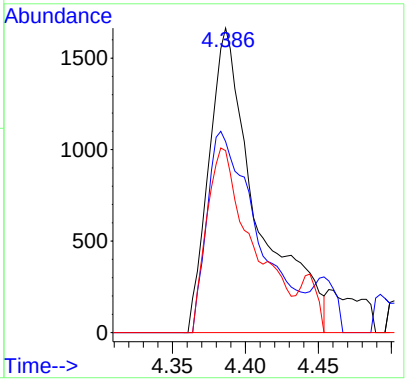


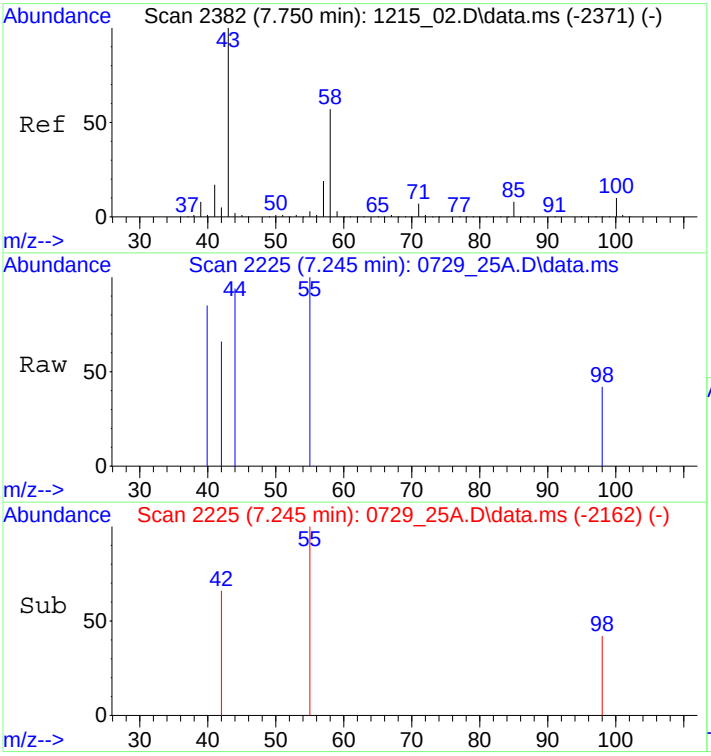


#115
N-BUTANOL
Concen: 20.1034585 ppb
RT: 4.386 min Scan# 1336
Delta R.T. 0.016 min
Lab File: 0729 25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion: 56 Resp: 3838

Ion	Ratio	Lower	Upper
56	100		
41	69.5	57.1	85.7
43	57.2	44.2	66.4

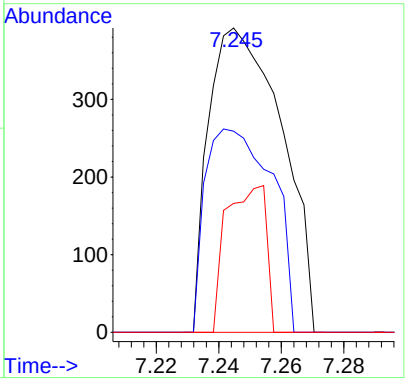




#125
Cyclohexanone
Concen: 0.5116813 ppb
RT: 7.245 min Scan# 2225
Delta R.T. 0.003 min
Lab File: 0729_25A.D
Acq: 30 Jul 2014 12:59 am

Tgt Ion: 55 Resp: 637

Ion	Ratio	Lower	Upper
55	100		
42	0.0	57.9	86.9#
98	0.0	30.7	46.1#



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 11A.D
Acq On : 29 Jul 2014 8:18 pm
Operator : 644
Sample : L712424-01 1x WG734030 V8260 FB
Misc : water IS/SURR14F17495
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:16:31 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

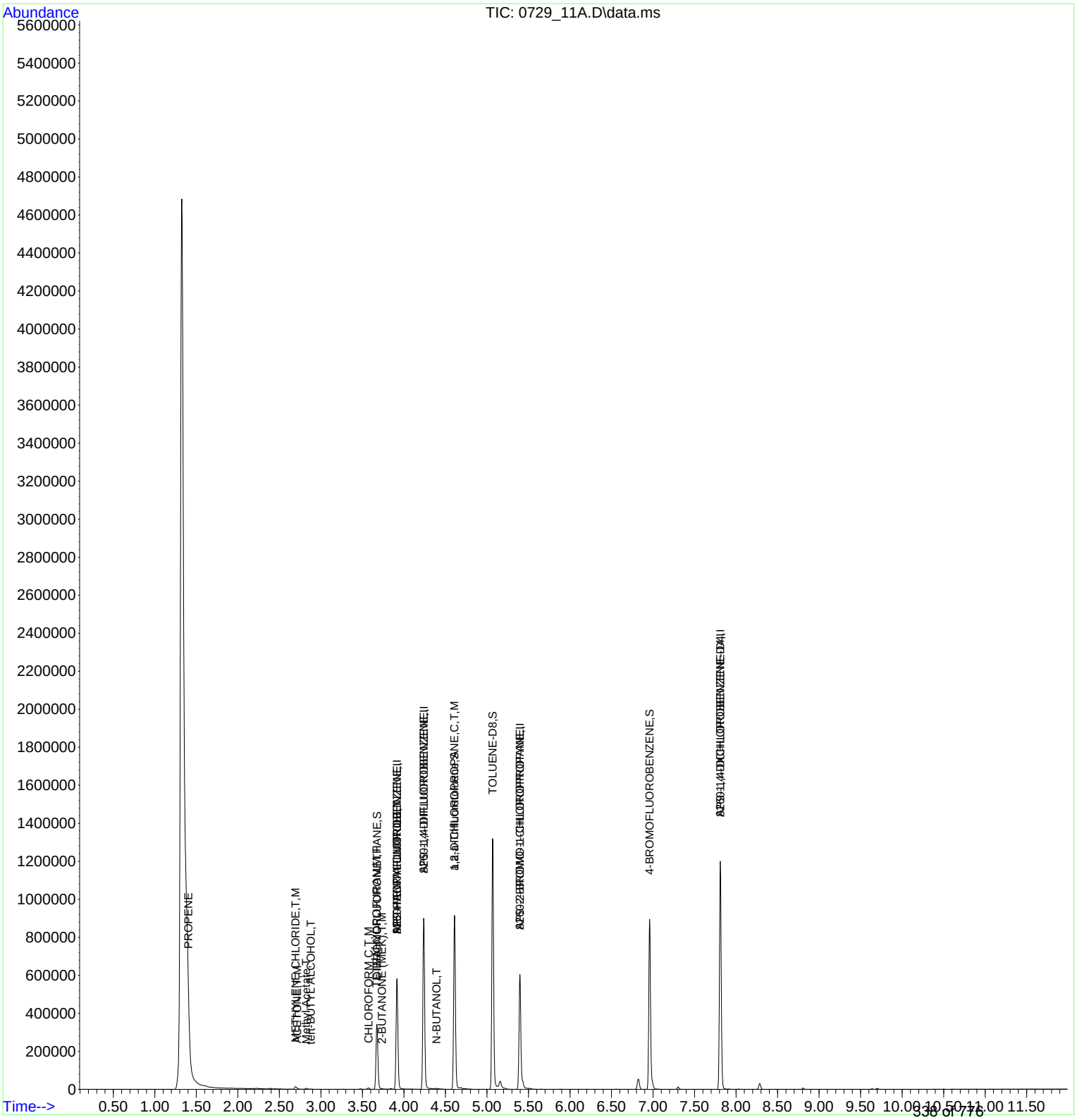
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	308402	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.238	114	562483	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	107499	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.810	152	275237	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	308402	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.238	114	562483	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	107499	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.810	152	275237	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.675	111	176057	40.1184623 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 100.30%		
46) a,a,a-Trifluorotoluene	4.608	146	321172	41.7356220 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 104.34%		
50) TOLUENE-D8	5.068	98	748859	41.5791749 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 103.95%		
68) 4-BROMOFLUOROBENZENE	6.958	95	289248	40.6848066 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 101.71%		
Target Compounds					Qvalue
3) PROPENE	1.405	41	945	0.5403343 ppb	90
16) ACETONE	2.714	43	4301	2.8256971 ppb	98
19) METHYLENE CHLORIDE	2.695	84	5154	0.7156905 ppb	100
29) 2-BUTANONE (MEK)	3.737	43	1688	0.6842060 ppb #	47
31) TETRAHYDROFURAN	3.669	42	2069	1.0916480 ppb #	84
32) CHLOROFORM	3.573	83	4683	0.4070406 ppb #	94
43) 1,2-DICHLOROPROPANE	4.608	62	5503	1.1361838 ppb #	46
100) Methyl Acetate	2.820	43	1653	0.3968037 ppb #	56
103) tert-BUTYL ALCOHOL	2.878	59	687	1.0309373 ppb #	62
108) METHACRYLONITRILE	3.917	67	761	0.3441910 ppb #	1
115) N-BUTANOL	4.393	56	1972	9.7762983 ppb #	79
116) Methyl Cyclohexane	4.238	83	6468	Below Cal #	38

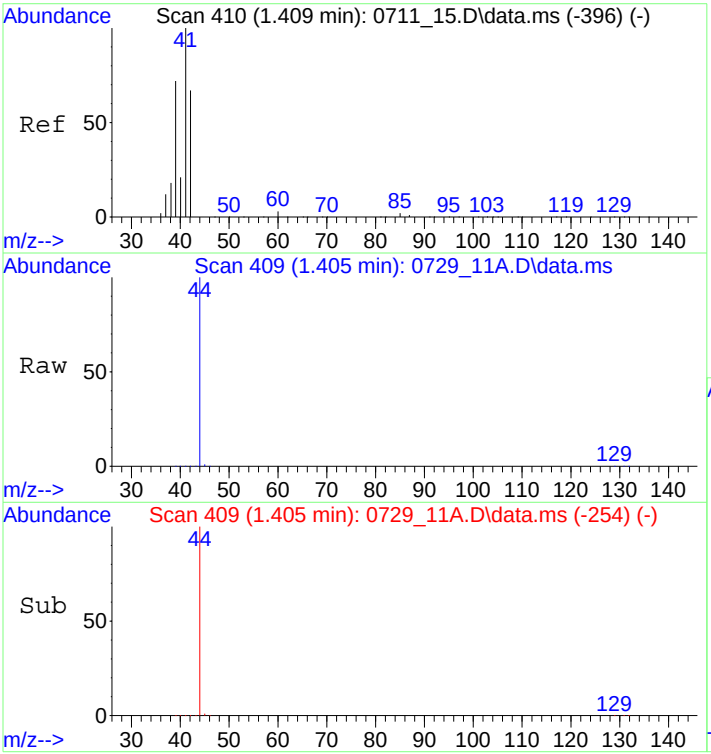
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\072914a\
Data File : 0729 11A.D
Acq On : 29 Jul 2014 8:18 pm
Operator : 644
Sample : L712424-01 1x WG734030 V8260 FB
Misc : water IS/SURR14F17495
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Oct 28 10:16:31 2015
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

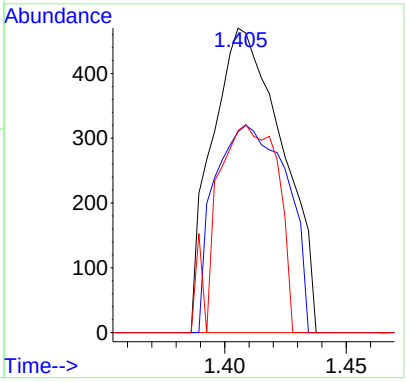


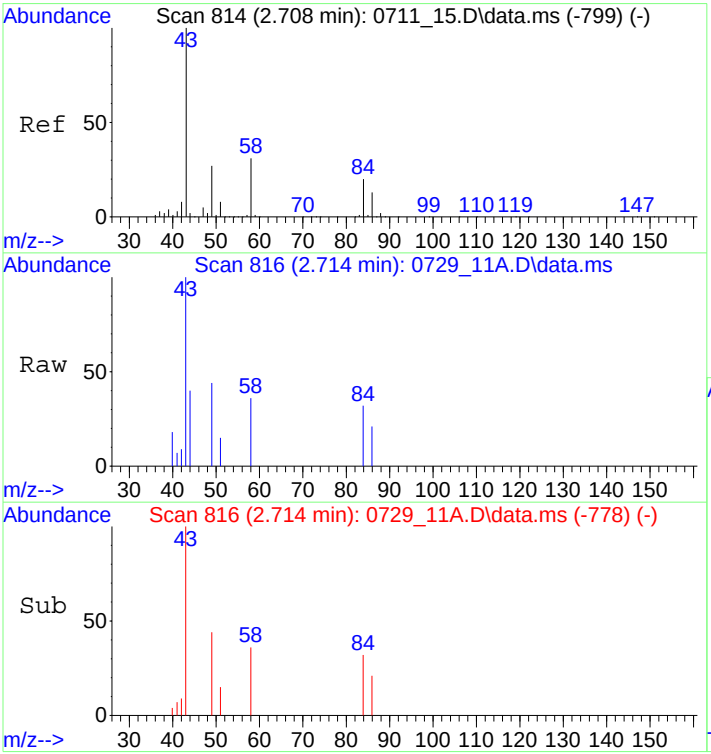


#3
PROPENE
Concen: 0.5403343 ppb
RT: 1.405 min Scan# 409
Delta R.T. -0.003 min
Lab File: 0729 11A.D
Acq: 29 Jul 2014 8:18 pm

Tgt Ion: 41 Resp: 945

Ion	Ratio	Lower	Upper
41	100		
39	69.8	59.4	89.2
42	59.4	58.1	87.1

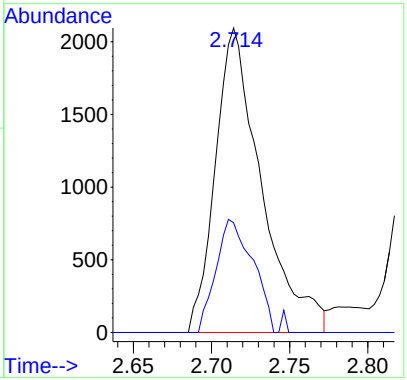


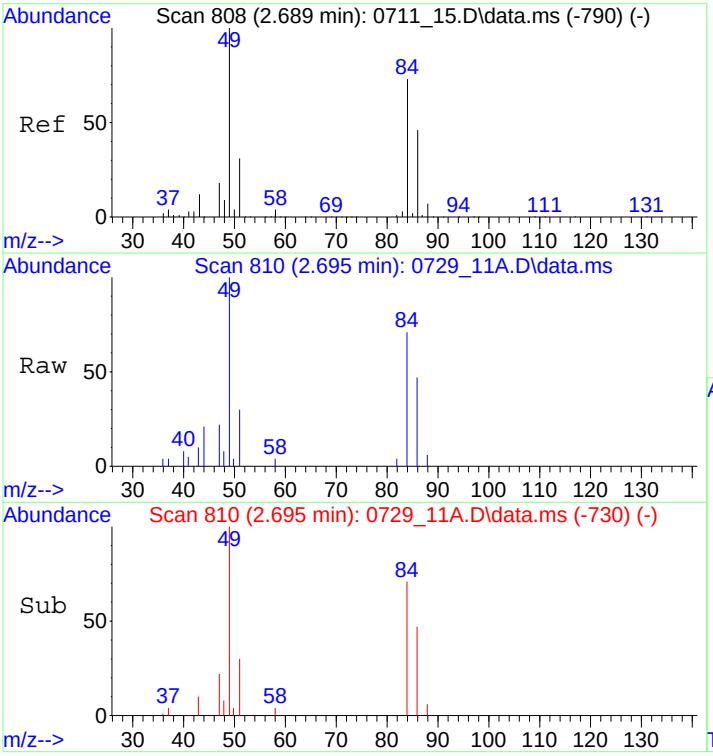


#16
ACETONE
Concen: 2.8256971 ppb
RT: 2.714 min Scan# 816
Delta R.T. 0.003 min
Lab File: 0729_11A.D
Acq: 29 Jul 2014 8:18 pm

Tgt Ion: 43 Resp: 4301

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.6	37.0

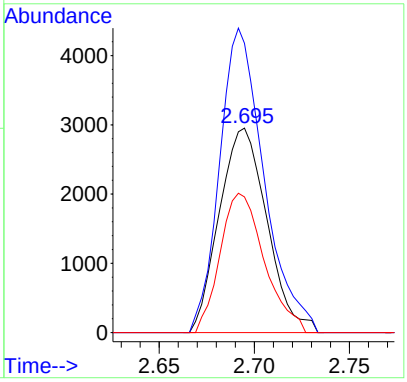


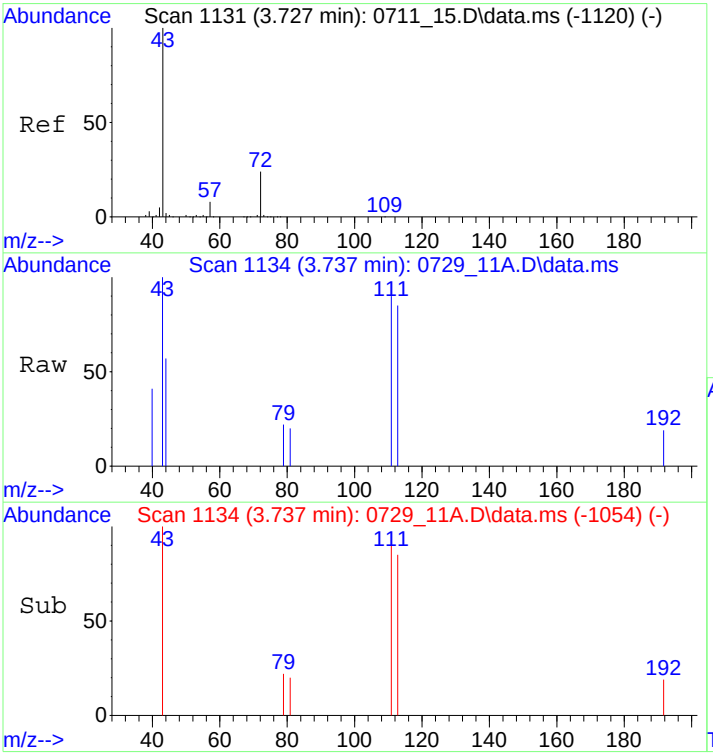


#19
METHYLENE CHLORIDE
Concen: 0.7156905 ppb
RT: 2.695 min Scan# 810
Delta R.T. 0.007 min
Lab File: 0729 11A.D
Acq: 29 Jul 2014 8:18 pm

Tgt Ion: 84 Resp: 5154

Ion	Ratio	Lower	Upper
84	100		
49	138.4	110.7	166.1
86	63.2	51.1	76.7

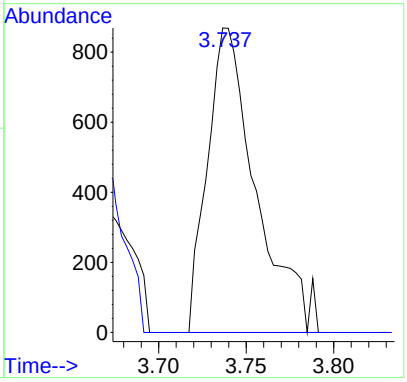


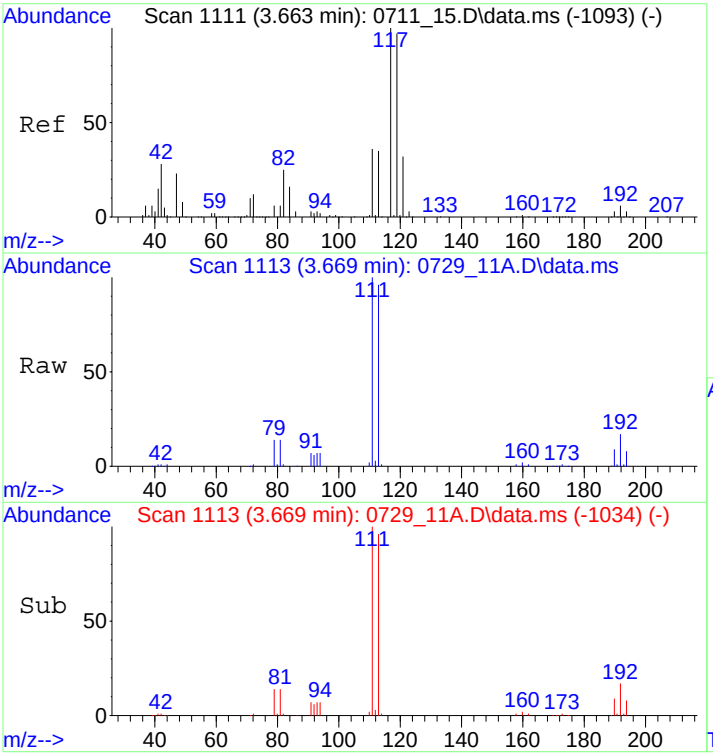


#29
2-BUTANONE (MEK)
Concen: 0.6842060 ppb
RT: 3.737 min Scan# 1134
Delta R.T. 0.006 min
Lab File: 0729_11A.D
Acq: 29 Jul 2014 8:18 pm

Tgt Ion: 43 Resp: 1688

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#

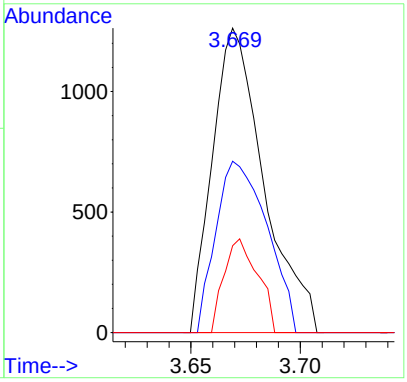


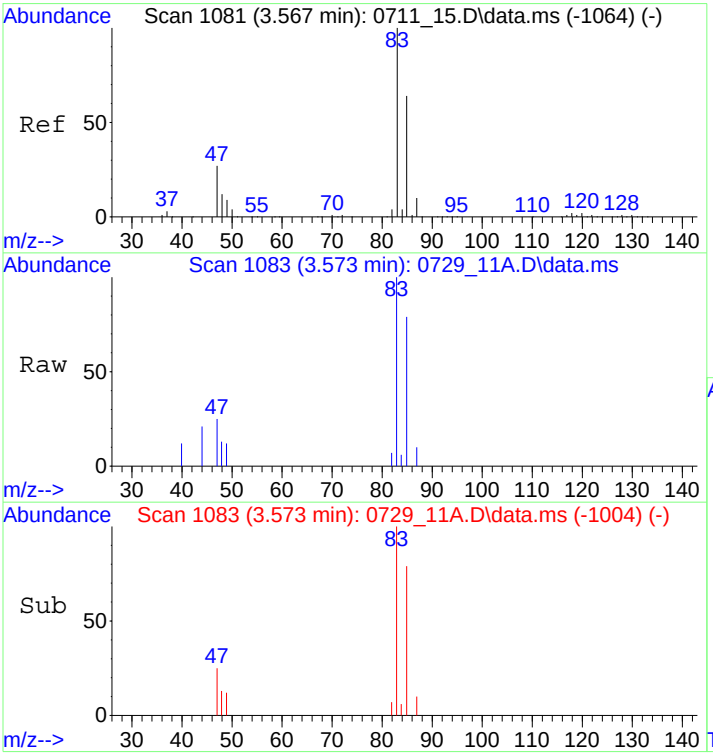


#31
TETRAHYDROFURAN
Concen: 1.0916480 ppb
RT: 3.669 min Scan# 1113
Delta R.T. 0.003 min
Lab File: 0729 11A.D
Acq: 29 Jul 2014 8:18 pm

Tgt Ion: 42 Resp: 2069

Ion	Ratio	Lower	Upper
42	100		
41	55.9	42.4	63.6
39	0.0	17.4	26.2#

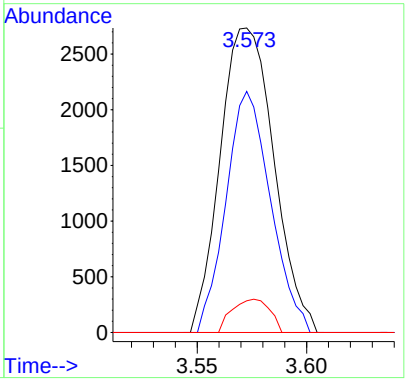


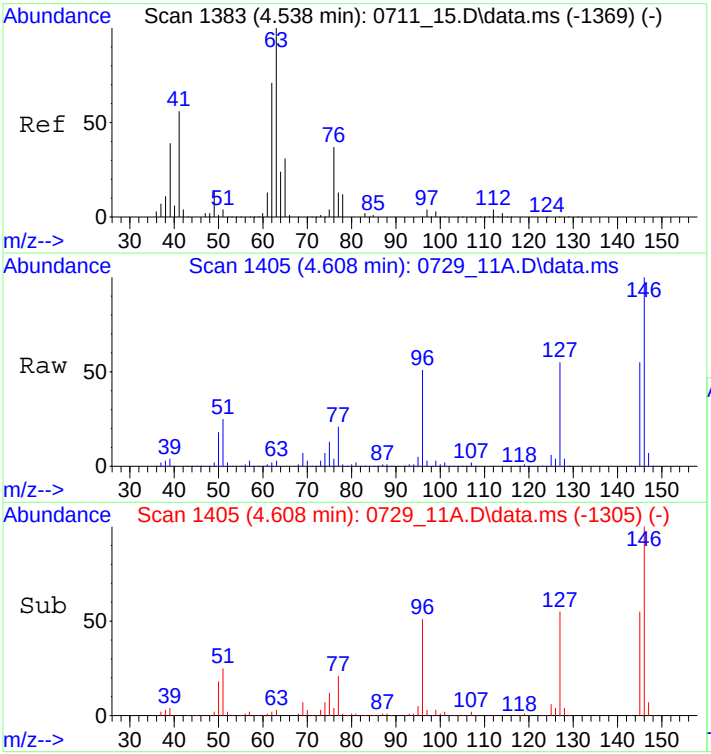


#32
CHLOROFORM
Concen: 0.4070406 ppb
RT: 3.573 min Scan# 1083
Delta R.T. 0.004 min
Lab File: 0729_11A.D
Acq: 29 Jul 2014 8:18 pm

Tgt Ion: 83 Resp: 4683

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.2	76.8
87	0.0	8.4	12.6#

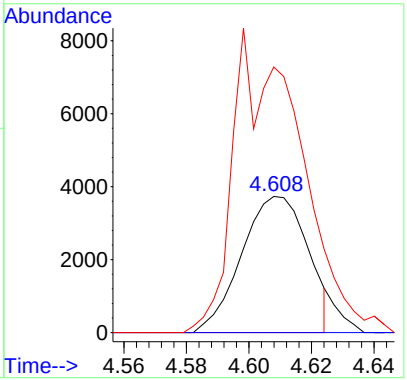


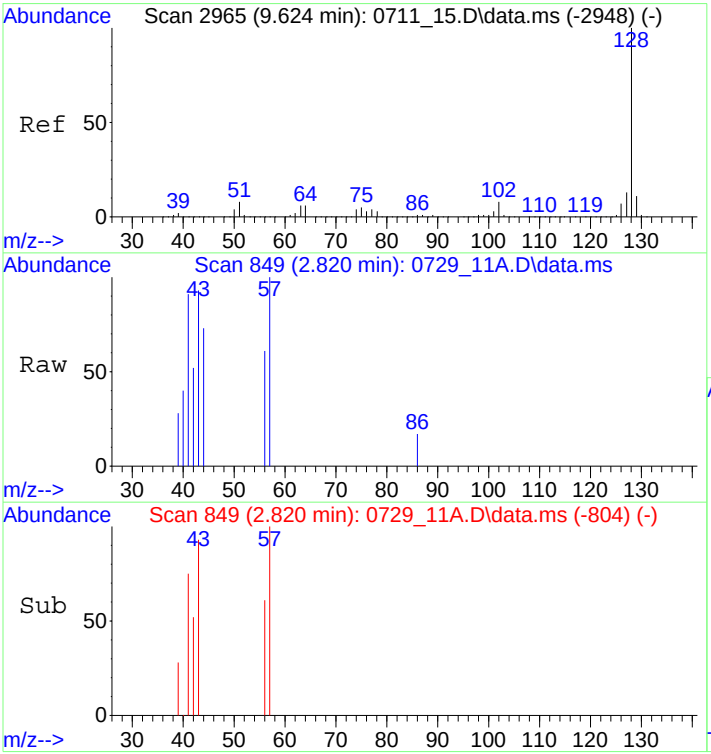


#43
1,2-DICHLOROPROPANE
Concen: 1.1361838 ppb
RT: 4.608 min Scan# 1405
Delta R.T. 0.070 min
Lab File: 0729 11A.D
Acq: 29 Jul 2014 8:18 pm

Tgt Ion: 62 Resp: 5503

Ion	Ratio	Lower	Upper
62	100		
65	0.0	35.3	52.9#
63	79.2	111.0	166.4#

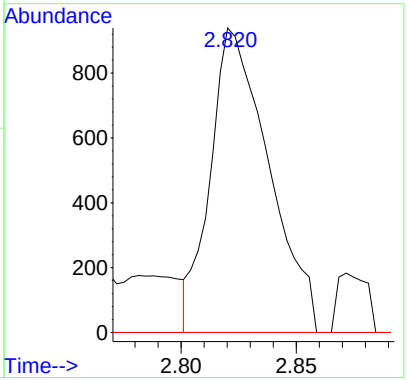


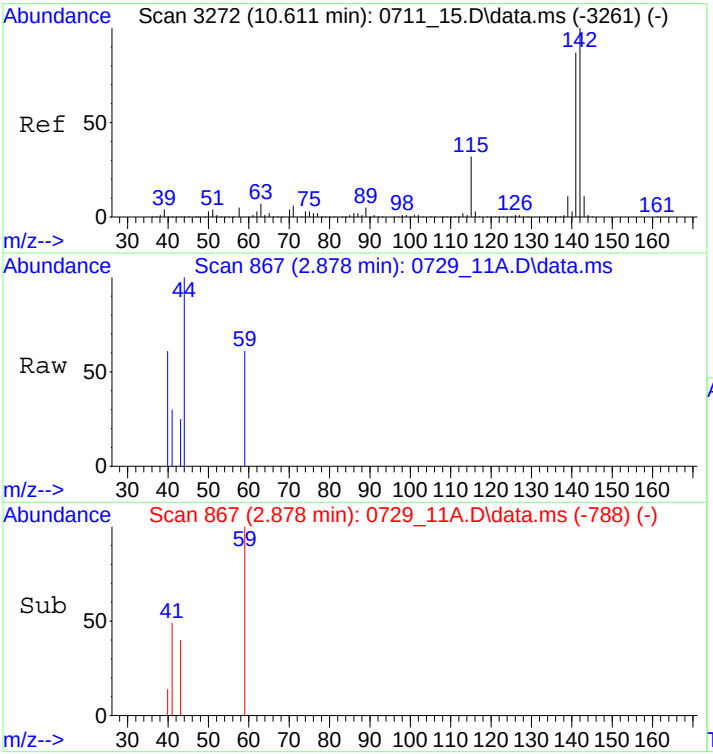


#100
Methyl Acetate
Concen: 0.3968037 ppb
RT: 2.820 min Scan# 849
Delta R.T. 0.044 min
Lab File: 0729_11A.D
Acq: 29 Jul 2014 8:18 pm

Tgt Ion: 43 Resp: 1653

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.1	24.1#
29	0.0	0.0	0.0

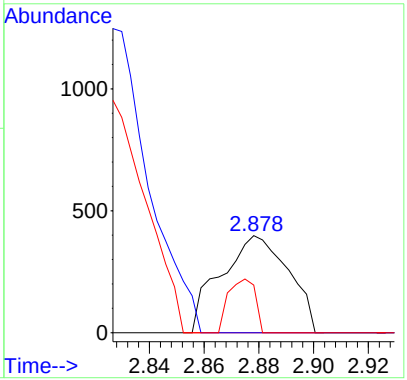


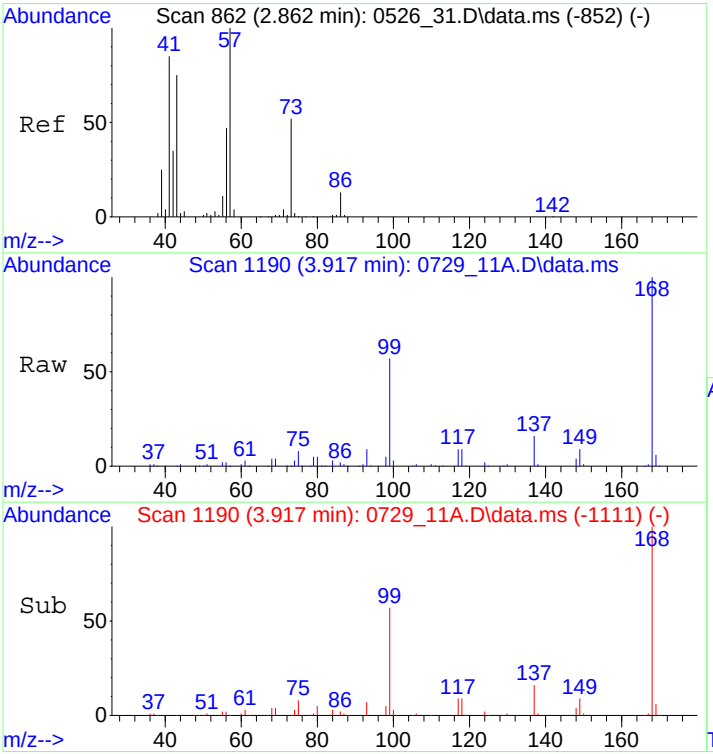


#103
tert-BUTYL ALCOHOL
Concen: 1.0309373 ppb
RT: 2.878 min Scan# 867
Delta R.T. 0.003 min
Lab File: 0729 11A.D
Acq: 29 Jul 2014 8:18 pm

Tgt Ion: 59 Resp: 687

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#
41	0.0	15.7	23.5#

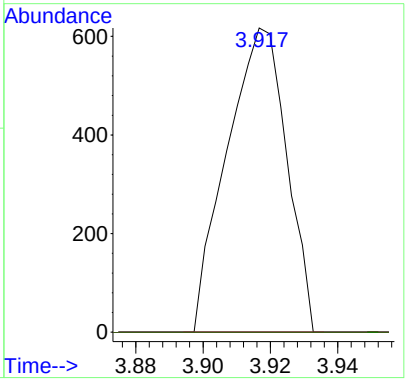


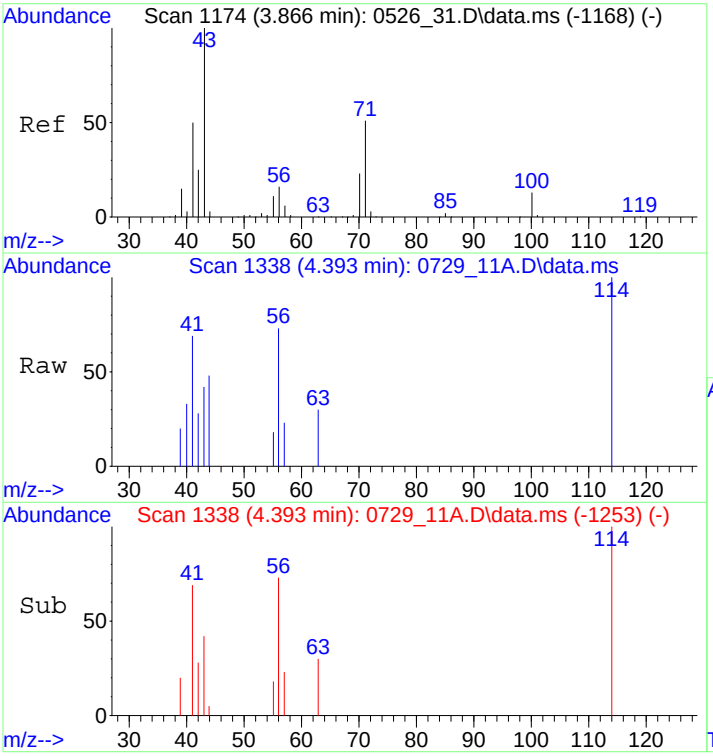


#108
METHACRYLONITRILE
Concen: 0.3441910 ppb
RT: 3.917 min Scan# 1190
Delta R.T. 0.003 min
Lab File: 0729_11A.D
Acq: 29 Jul 2014 8:18 pm

Tgt Ion: 67 Resp: 761

Ion	Ratio	Lower	Upper
67	100		
41	0.0	124.7	187.1#
39	0.0	66.9	100.3#
52	0.0	37.3	55.9#

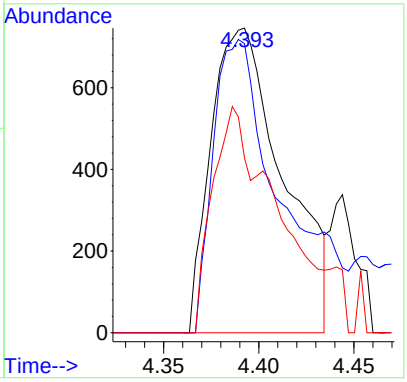




#115
N-BUTANOL
Concen: 9.7762983 ppb
RT: 4.393 min Scan# 1338
Delta R.T. 0.022 min
Lab File: 0729 11A.D
Acq: 29 Jul 2014 8:18 pm

Tgt Ion: 56 Resp: 1972

Ion	Ratio	Lower	Upper
56	100		
41	92.7	57.1	85.7#
43	66.5	44.2	66.4#



Calibration

Initial Calibration Raw Data

Instrument ID	: VOCMS23	Review Protocol	: SW846
Method	: V823G11N	Review Method	: 8260B

Data Released By: Jimmy Moshopoulos

12-JUL-2014 05:42:01 PM
Date

Analyst Comments:

Percent RSD criteria for Average Response Factor was not met for Methyl Cyclohexane.
Linear Regression Curve Fit has been used for calibrating Methyl Cyclohexane.

Initial Calibration Raw Data

Instrument ID : VOCMS23 Review Protocol : EPA

Method : V823G11N Review Method : 601-602

Data Released By: Jimmy Moshopoulos 12-JUL-2014 05:42:15 PM
Date

Analyst Comments:

Percent RSD criteria for Average Response Factor was not met for ACROLEIN, CARBON DISULFIDE, METHYLENE CHLORIDE, 2,2-Dichloropropane, TETRAHYDROFURAN, CHLOROFORM, DIBROMOMETHANE, 1,2,3-TRICHLOROPROPANE, DICYCLOPENTADIENE, 2-PROPANOL, Methyl Cyclohexane & Cyclohexanone. Linear Regression Curve Fit has been used for calibrating Methyl Cyclohexane. %Recovery criteria has not been met for Cyclohexanone.

Initial Calibration Raw Data

Instrument ID	: VOCMS23	Review Protocol	: EPA
Method	: V823G11N	Review Method	: 624

Data Released By: Jimmy Moshopoulos

12-JUL-2014 05:42:53 PM
Date

Analyst Comments:

Linear Regression Curve Fit has been used for calibrating Methyl Cyclohexane.

Initial Calibration Raw Data

Instrument ID	: VOCMS23	Review Protocol	: SC
Method	: V823G11N	Review Method	: 8260SC

Data Released By: Jimmy Moshopoulos

12-JUL-2014 05:43:27 PM
Date

Analyst Comments:

Percent RSD criteria for Average Response Factor was not met for Methyl Cyclohexane.
Linear Regression Curve Fit has been used for calibrating Methyl Cyclohexane.

Initial Calibration Raw Data

Instrument ID	: VOCMS23	Review Protocol	: SM 20th
Method	: V823G11N	Review Method	: 6200

Data Released By: Jimmy Moshopoulos

12-JUL-2014 05:44:04 PM
Date

Analyst Comments:

Linear Regression Curve Fit has been used for calibrating Methyl Cyclohexane.

Initial Calibration Raw Data

Instrument ID	: VOCMS23	Review Protocol	: SW846
Method	: V823G11N	Review Method	: 8260C

Data Released By: Jimmy Moshopoulos

12-JUL-2014 05:44:39 PM
Date

Analyst Comments:

Linear Regression Curve Fit has been used for calibrating Methyl Cyclohexane.
%Recovery criteria has not been met for 1,4-DIOXANE.

Instrument: VOCMS23
Method: V823G11N

Initial Calibration Run Log

File ID	Level ID	Date Analyzed
0711_07.D	.25	7/11/2014 6:08:00 PM
0711_08.D	.5	7/11/2014 6:28:00 PM
0711_09.D	1	7/11/2014 6:49:00 PM
0711_10.D	2	7/11/2014 7:09:00 PM
0711_11.D	5.0	7/11/2014 7:29:00 PM
0711_12.D	10	7/11/2014 7:49:00 PM
0711_13.D	25	7/11/2014 8:09:00 PM
0711_14.D	40	7/11/2014 8:29:00 PM
0711_15.D	75	7/11/2014 8:49:00 PM
0711_16.D	100	7/11/2014 9:09:00 PM
0711_17.D	200	7/11/2014 9:29:00 PM
0711_21.D	1A	7/11/2014 10:49:00 PM
0711_22.D	2.5A	7/11/2014 11:09:00 PM
0711_23.D	5A	7/11/2014 11:29:00 PM
0711_24.D	7.5A	7/11/2014 11:49:00 PM
0711_25.D	10A	7/12/2014 12:09:00 AM
0711_26.D	12A	7/12/2014 12:29:00 AM
0711_27.D	15A	7/12/2014 12:50:00 AM
0711_28.D	17A	7/12/2014 1:10:00 AM
0711_29.D	20A	7/12/2014 1:30:00 AM

Mint Miner 2.03 (80118) Directory Scan: z:\071114

14 Jul 2014 09:37

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: z:\071114\0711_01.D					
Original Path: C:\msdchem\1\data\071114\0711_01.D\data.ms					
0	Scanned		644	VOCMS23	INSTBLK (water IS/SURR14F17495)
Scan File Path: z:\071114\0711_02.D					
Original Path: z:\071114\0711_02.D					
0	No Audit				
Scan File Path: z:\071114\0711_03.D					
Original Path: 0711_03.D					
0	Scanned		644	VOCMS23	1ppb (water IS/SURR14F17495)
Scan File Path: z:\071114\0711_04.D					
Original Path: C:\msdchem\1\data\071114\0711_04.D\data.ms					
0	Scanned		644	VOCMS23	INSTBLK (water IS/SURR14F17495)
Scan File Path: z:\071114\0711_05.D					
Original Path: C:\msdchem\1\data\071114\0711_05.D\data.ms					
0	Scanned		644	VOCMS23	INSTBLK (water IS/SURR14F17495)
Scan File Path: z:\071114\0711_06.D					
Original Path: C:\msdchem\1\data\071114\0711_06.D\data.ms					
0	Scanned		644	VOCMS23	INSTBLK (water IS/SURR14F17495)
Scan File Path: z:\071114\0711_07.D					
Original Path: C:\msdchem\1\data\071114\0711_07.D					
18	Scanned	D(18)	644	VOCMS23	STD VMS 0.25 PPB 14G10915 (water IS/SU
Scan File Path: z:\071114\0711_08.D					
Original Path: C:\msdchem\1\data\071114\0711_08.D					
21	Scanned	D(21)	644	VOCMS23	STD VMS 0.5 PPB 14G10915 (water IS/SUR
Scan File Path: z:\071114\0711_09.D					
Original Path: C:\msdchem\1\data\071114\0711_09.D					
21	Scanned	D(21)	644	VOCMS23	STD VMS 1 PPB 14G10915 (water IS/SURR1
Scan File Path: z:\071114\0711_09A.D					
Original Path: C:\msdchem\1\data\071114\0711_09.D					
21	Scanned	D(21)	644	VOCMS23	STD VMS 1 PPB 14G10915 (water IS/SURR1
Scan File Path: z:\071114\0711_10.D					
Original Path: C:\msdchem\1\data\071114\0711_10.D					
24	Scanned	D(24)	644	VOCMS23	STD VMS 2 PPB 14G10915 (water IS/SURR1

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: z:\071114\0711_10A.D					
Original Path: C:\msdchem\1\data\071114\0711_10.D					
24	Scanned	D(24)	644	VOCMS23	STD VMS 2 PPB 14G10915 (water IS/SURR1
Scan File Path: z:\071114\0711_11.D					
Original Path: C:\msdchem\1\data\071114\0711_11.D					
24	Scanned	D(24)	644	VOCMS23	STD VMS 5 PPB 14G10915 (water IS/SURR1
Scan File Path: z:\071114\0711_12.D					
Original Path: C:\msdchem\1\data\071114\0711_12.D					
28	Scanned	D(28)	644	VOCMS23	STD VMS 10 PPB 14G10915 (water IS/SURR
Scan File Path: z:\071114\0711_13.D					
Original Path: C:\msdchem\1\data\071114\0711_13.D					
60	Scanned	D(60)	644	VOCMS23	MSTD VMS 25 PPB 14G10915 (water IS/SU
Scan File Path: z:\071114\0711_14.D					
Original Path: C:\msdchem\1\data\071114\0711_14.D					
30	Scanned	D(30)	644	VOCMS23	STD VMS 40 PPB 14G10915 (water IS/SURR
Scan File Path: z:\071114\0711_15.D					
Original Path: C:\msdchem\1\data\071114\0711_15.D					
30	Scanned	D(30)	644	VOCMS23	STD VMS 75 PPB 14G10915 (water IS/SURR
Scan File Path: z:\071114\0711_16.D					
Original Path: C:\msdchem\1\data\071114\0711_16.D					
29	Scanned	D(29)	644	VOCMS23	STD VMS 100 PPB 14G10915 (water IS/SUR
Scan File Path: z:\071114\0711_17.D					
Original Path: C:\msdchem\1\data\071114\0711_17.D					
31	Scanned	M(1), D(29), MZ(1)	644	VOCMS23	STD VMS 200 PPB 14G10915 (water IS/SUR
Scan File Path: z:\071114\0711_18.D					
Original Path: C:\msdchem\1\data\071114\0711_18.D\data.ms					
0	Scanned		644	VOCMS23	INSTBLK (water IS/SURR14F17495)
Scan File Path: z:\071114\0711_19.D					
Original Path: C:\msdchem\1\data\071114\0711_19.D\data.ms					
0	Scanned		644	VOCMS23	SSCV VMS 25 PPB 14G10916 (water IS/SUR
Scan File Path: z:\071114\0711_20.D					
Original Path: C:\msdchem\1\data\071114\0711_20.D\data.ms					
0	Scanned		644	VOCMS23	INSTBLK (water IS/SURR14F17495)

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: z:\071114\0711_21.D					
Original Path: C:\msdchem\1\data\071114\0711_21.D					
190	Scanned	D(126), DK(12), DC(10), DP(8), DS(4), DB(6)	644	VOCMS23	STD VMS 1 PPB 14B14470 (water IS/SURR1
Scan File Path: z:\071114\0711_22.D					
Original Path: C:\msdchem\1\data\071114\0711_22.D					
101	Scanned	D(69), DK(6), DC(5), DP(4), DS(2), DB(3)	644	VOCMS23	STD VMS 2.5 PPB 14B14470 (water IS/SUR
Scan File Path: z:\071114\0711_23.D					
Original Path: C:\msdchem\1\data\071114\0711_23.D					
101	Scanned	D(69), DK(6), DC(5), DP(4), DS(2), DB(3)	644	VOCMS23	STD VMS 5 PPB 14B14470 (water IS/SURR1
Scan File Path: z:\071114\0711_24.D					
Original Path: C:\msdchem\1\data\071114\0711_24.D					
105	Scanned	D(73), DK(6), DC(5), DP(4), DS(2), DB(3)	644	VOCMS23	STD VMS 7.5 PPB 14B14470 (water IS/SUR
Scan File Path: z:\071114\0711_25.D					
Original Path: C:\msdchem\1\data\071114\0711_25.D					
332	Scanned	D(228), DK(21), DC(18), DP(12), DS(6), DB(9), QM(1)	644	VOCMS23	MSTD VMS 10 PPB 14B14470 (water IS/SU
Scan File Path: z:\071114\0711_26.D					
Original Path: C:\msdchem\1\data\071114\0711_26.D					
108	Scanned	D(76), DK(6), DC(5), DP(4), DS(2), DB(3)	644	VOCMS23	STD VMS 12.5 PPB 14B14470 (water IS/SU
Scan File Path: z:\071114\0711_27.D					
Original Path: C:\msdchem\1\data\071114\0711_27.D					
117	Scanned	D(82), DK(7), DC(7), DP(4), DS(2), DB(3)	644	VOCMS23	STD VMS 15 PPB 14B14470 (water IS/SURR
Scan File Path: z:\071114\0711_28.D					
Original Path: C:\msdchem\1\data\071114\0711_28.D					
117	Scanned	D(82), DK(7), DC(7), DP(4), DS(2), DB(3)	644	VOCMS23	STD VMS 17.5 PPB 14B14470 (water IS/SU
Scan File Path: z:\071114\0711_29.D					
Original Path: C:\msdchem\1\data\071114\0711_29.D					
0	Scanned		644	VOCMS23	STD VMS 20 PPB 14B14470 (water IS/SURR
Scan File Path: z:\071114\0711_30.D					
Original Path: C:\msdchem\1\data\071114\0711_30.D\data.ms					
0	Scanned		644	VOCMS23	INSTBLK (water IS/SURR14F17495)

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: z:\071114\0711_31.D					
Original Path: C:\msdchem\1\data\071114\0711_31.D\data.ms					
0	Scanned		644	VOCMS23	SSCV VMS 10a PPB 14B14475 (water IS/SU

D	=	Deletion of any analyte	DB	=	Deletion of a common contaminant
DC	=	Deletion of a CCC	DK	=	Deletion of a spike compound
DP	=	Deletion of an SPCC	DS	=	Deletion of a surrogate
M	=	Manual integration (non-specific)	MZ	=	Manual integrated but indicator missing from either the quant report or audit file
QM	=	Processed >3 times using the same method			

ScanSummary.rpt

Total Files Scanned	Beginning Analyzed Date
Methods	Ending Analyzed Date
Samples	Analyzed Range
Tunes	Greatest Time Between Tunes
CCCs	Greatest Time Between CCCs

Distinct Method Last Updated count
Operators Intruments

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

Instrument ID : VOCMS23
Computer Name : VOCCOMPAK

Released By : Jimmy Moshopoulos
Date Released : 7/12/2014 5:45:15 PM

Run ID : 071114
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
1	0711_01	INSTBLK	V823G11N						1	1	07/11/14 0923	"water IS/SURR14F17495"
2	0711_03	1ppb								1	07/11/14 1003	
3	0711_04	INSTBLK	V823G11N						1	1	07/11/14 1708	"water IS/SURR14F17495"
4	0711_05	INSTBLK	V823G11N						1	1	07/11/14 1728	"water IS/SURR14F17495"
5	0711_06	INSTBLK	V823G11N						1	1	07/11/14 1748	"water IS/SURR14F17495"
6	0711_07	STD VMS 0.25 PPB 14G10915	V823G11N						1	1	07/11/14 1808	"water IS/SURR14F17495"
7	0711_08	STD VMS 0.5 PPB 14G10915	V823G11N						1	1	07/11/14 1828	"water IS/SURR14F17495"
8	0711_09	STD VMS 1 PPB 14G10915	V823G11N						1	1	07/11/14 1849	"water IS/SURR14F17495"
9	0711_09A	RL VMS 1 PPB 14G10915	V823G11N						1	1	07/11/14 1849	"water IS/SURR14F17495"
10	0711_10	STD VMS 2 PPB 14G10915	V823G11N						1	1	07/11/14 1909	"water IS/SURR14F17495"
11	0711_10A	RL VMS 2 PPB 14G10915	V823G11N						1	1	07/11/14 1909	"water IS/SURR14F17495"
12	0711_11	STD VMS 5.0 PPB 14G10915	V823G11N						1	1	07/11/14 1929	"water IS/SURR14F17495"
13	0711_12	STD VMS 10 PPB 14G10915	V823G11N						1	1	07/11/14 1949	"water IS/SURR14F17495"
14	0711_13	MSTD VMS 25 PPB 14G10915	V823G11N						1	1	07/11/14 2009	"water IS/SURR14F17495"
15	0711_14	STD VMS 40 PPB 14G10915	V823G11N						1	1	07/11/14 2029	"water IS/SURR14F17495"

Injection Log

Instrument ID : VOCMS23
Computer Name : VOCCOMPAK
Released By : Jimmy Moshopoulos
Date Released : 7/12/2014 5:45:15 PM
Run ID : 071114
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
16	0711_15	STD VMS 75 PPB 14G10915	V823G11N						1	1	07/11/14 2049	"water IS/SURR14F17495"
17	0711_16	STD VMS 100 PPB 14G10915	V823G11N						1	1	07/11/14 2109	"water IS/SURR14F17495"
18	0711_17	STD VMS 200 PPB 14G10915	V823G11N						1	1	07/11/14 2129	"water IS/SURR14F17495"
19	0711_18	INSTBLK	V823G11N						1	1	07/11/14 2149	"water IS/SURR14F17495"
20	0711_19	SSCV VMS 25 PPB 14G10916	V823G11N						1	1	07/11/14 2209	"water IS/SURR14F17495"
21	0711_20	INSTBLK	V823G11N						1	1	07/11/14 2229	"water IS/SURR14F17495"
22	0711_21	STD VMS 1 PPB 14B14470	V823G11N						1	1	07/11/14 2249	"water IS/SURR14F17495"
23	0711_22	STD VMS 2.5 PPB 14B14470	V823G11N						1	1	07/11/14 2309	"water IS/SURR14F17495"
24	0711_23	STD VMS 5 PPB 14B14470	V823G11N						1	1	07/11/14 2329	"water IS/SURR14F17495"
25	0711_24	STD VMS 7.5 PPB 14B14470	V823G11N						1	1	07/11/14 2349	"water IS/SURR14F17495"
26	0711_25	MSTD VMS 10 PPB 14B14470	V823G11N						1	1	07/12/14 0009	"water IS/SURR14F17495"
27	0711_26	STD VMS 12.5 PPB 14B14470	V823G11N						1	1	07/12/14 0029	"water IS/SURR14F17495"
28	0711_27	STD VMS 15 PPB 14B14470	V823G11N						1	1	07/12/14 0050	"water IS/SURR14F17495"
29	0711_28	STD VMS 17.5 PPB 14B14470	V823G11N						1	1	07/12/14 0110	"water IS/SURR14F17495"

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

Instrument ID : VOCMS23
Computer Name : VOCCOMPAK

Released By : Jimmy Moshopoulos
Date Released : 7/12/2014 5:45:15 PM

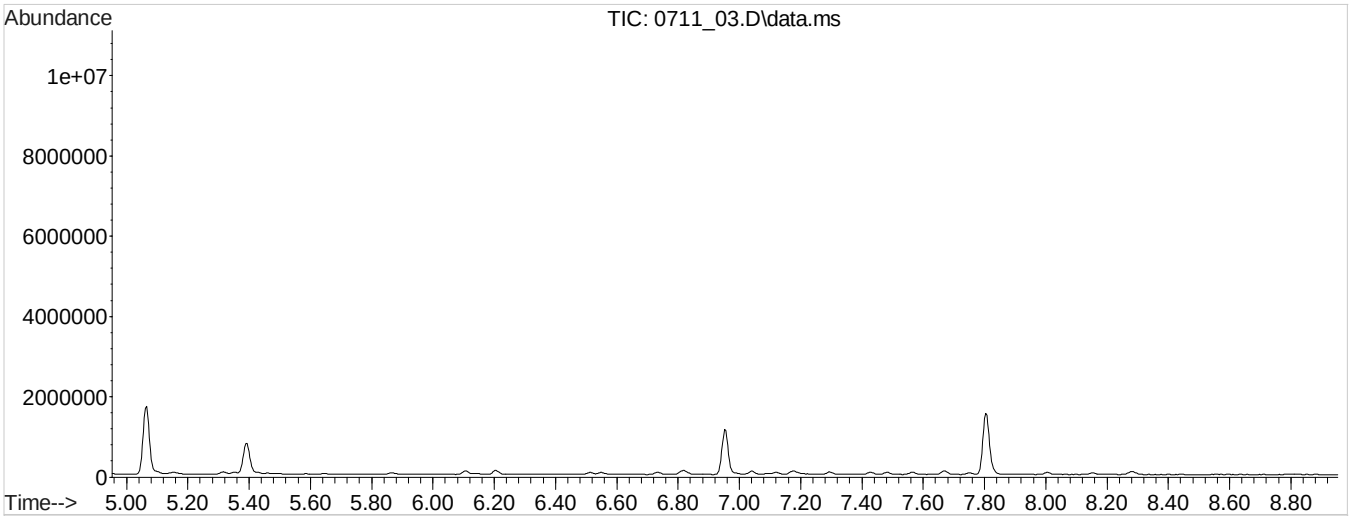
Run ID : 071114
Signature : _____

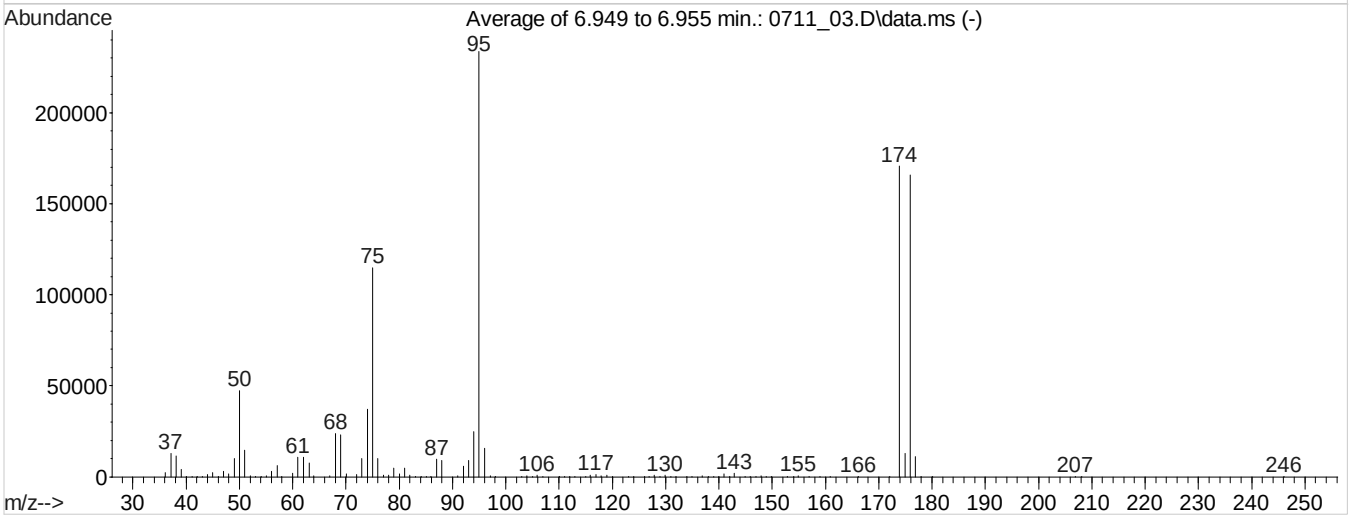
#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
30	0711_29	STD VMS 20 PPB 14B14470	V823G11N						1	1	07/12/14 0130	"water IS/SURR14F17495"
31	0711_30	INSTBLK	V823G11N						1	1	07/12/14 0150	"water IS/SURR14F17495"
32	0711_31	SSCV VMS 10A PPB 14B14475	V823G11N						1	1	07/12/14 0209	"water IS/SURR14F17495"

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 03.D
Acq On : 11 Jul 2014 10:03 am
Operator : 644
Sample : 1ppb
Misc : water IS/SURR14F17495
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\V823G03N.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
Last Update : Mon Jul 07 10:21:18 2014





AutoFind: Scans 2133, 2134, 2135; Background Corrected with Scan 2117

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	47121	PASS
75	95	30	60	49.2	114869	PASS
95	95	100	100	100.0	233696	PASS
96	95	5	9	6.7	15670	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	73.1	170837	PASS
175	174	5	9	7.5	12760	PASS
176	174	95	101	97.0	165696	PASS
177	176	5	9	6.6	10987	PASS

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 03.D
Acq On : 11 Jul 2014 10:03 am
Operator : 644
Sample : 1ppb
Misc : water IS/SURR14F17495
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 11 11:09:00 2014
Quant Method : C:\msdchem\1\methods\V823G03N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Mon Jul 07 10:21:18 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.910	168	414311	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.232	114	734882	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	132922	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	338205	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.910	168	414311	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.232	114	734882	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	132922	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	338205	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	230028	41.1158239 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 102.79%		
46) a,a,a-Trifluorotoluene	4.605	146	409370	38.1689279 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 95.42%		
50) TOLUENE-D8	5.065	98	928731	39.0925419 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.73%		
68) 4-BROMOFLUOROBENZENE	6.952	95	350278	40.1281255 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 100.32%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7452898		No Calib	
3) PROPENE	1.406	41	1821	Below Cal #	49
4) DICHLORODIFLUOROMETHANE	1.460	85	6886	0.9097909 ppb	90
5) CHLOROMETHANE	1.579	50	10409	0.8422327 ppb	97
6) VINYL CHLORIDE	1.644	62	11663	1.0436984 ppb #	89
7) 1,3-BUTADIENE	1.657	39	7499	0.9311573 ppb #	79
8) BROMOMETHANE	1.878	94	5972	1.0782524 ppb #	91
9) CHLOROETHANE	1.965	66	1877	0.9617805 ppb #	78
10) TRICHLOROFLUOROMETHANE	2.049	101	10451	1.0851015 ppb	95
11) DICHLOROFLUOROMETHANE	2.081	67	15085	1.0787816 ppb	95
12) ETHYL ETHER	2.222	59	6679	1.0653510 ppb	97
13) ACROLEIN	2.544	56	5620	4.3861070 ppb #	48
14) 1,1-DICHLOROETHENE	2.354	61	12779	0.9977995 ppb	98
15) 1,1,2-TRICHLOROTRIFLUO...	2.383	101	7587	1.1840713 ppb #	87
16) ACETONE	2.711	43	13831	7.0097345 ppb	96
17) IODOMETHANE	2.444	142	60291	5.1416727 ppb	95
18) CARBON DISULFIDE	2.383	76	29682	1.1578574 ppb #	78
19) METHYLENE CHLORIDE	2.689	84	11896	N.D.	
20) ACRYLONITRILE	3.148	53	12816	4.8500875 ppb	96
21) n-Hexane	2.821	56	6419	0.8030245 ppb #	95
22) TRANS-1,2-DICHLOROETHENE	2.785	96	7002	0.9448449 ppb	97
23) METHYL TERT-BUTYL ETHER	2.833	73	19809	1.0035813 ppb	97
24) 1,1-DICHLOROETHANE	3.126	63	14674	0.9490193 ppb	99
25) VINYL ACETATE	3.245	43	80995	4.9948485 ppb	97
26) DI-ISOPROPYL ETHER	3.036	45	27319	0.9575631 ppb	95
27) 2,2-Dichloropropane	3.489	77	8241	1.0238171 ppb	92
28) CIS-1,2-DICHLOROETHENE	3.425	96	7338	0.9419271 ppb	94
29) 2-BUTANONE (MEK)	3.730	43	17504	4.9233811 ppb	97
30) BROMOCHLOROMETHANE	3.538	130	4872	1.0669526 ppb	90
31) TETRAHYDROFURAN	3.663	42	4041	1.6189336 ppb	89
32) CHLOROFORM	3.566	83	22821	1.6415062 ppb	96
34) 1,1,1-TRICHLOROETHANE	3.695	97	9413	0.9285082 ppb	95
35) CARBON TETRACHLORIDE	3.663	117	8952	0.8599287 ppb	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 03.D
Acq On : 11 Jul 2014 10:03 am
Operator : 644
Sample : 1ppb
Misc : water IS/SURR14F17495
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 11 11:09:00 2014
Quant Method : C:\msdchem\1\methods\V823G03N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Mon Jul 07 10:21:18 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	10575	0.9805418 ppb		98
37) 2,2,4-TRIMETHYLPENTANE	3.811	57	30849	0.9083191 ppb		94
38) HEPTANE	3.856	43	14114	0.9855668 ppb		96
39) BENZENE	3.904	78	28741	0.9452871 ppb	#	74
40) 1,2-DICHLOROETHANE	4.013	62	9450	0.9643438 ppb	#	92
42) TRICHLOROETHENE	4.232	130	6996	0.9129758 ppb		94
43) 1,2-DICHLOROPROPANE	4.537	62	5879	0.9380707 ppb		96
44) DIBROMOMETHANE	4.486	93	4055	0.9211151 ppb		90
45) BROMODICHLOROMETHANE	4.566	83	9189	0.8663992 ppb	#	91
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	15671	4.8088195 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.946	75	12273	0.9672087 ppb	#	95
49) 4-METHYL-2-PENTANONE (...	5.316	58	14600	4.8883839 ppb		93
51) TOLUENE	5.097	91	30477	0.9228515 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.351	110	2630	1.0087314 ppb	#	6
54) 1,1,2-TRICHLOROETHANE	5.460	97	4841	0.7925236 ppb		89
55) TETRACHLOROETHENE	5.351	164	4741	0.8150200 ppb	#	89
56) 1,3-Dichloropropane	5.644	76	11148	0.9228768 ppb		93
57) 2-HEXANONE	5.865	58	13423	4.8826319 ppb		90
58) CHLORODIBROMOMETHANE	5.586	129	6823	0.9986016 ppb		100
59) 1,2-DIBROMOETHANE	5.756	107	5746	0.9487298 ppb		99
60) CHLOROBENZENE	6.103	112	18343	0.9097856 ppb		94
61) 1,1,1,2-TETRACHLOROETHANE	6.139	133	6246	0.9151426 ppb	#	95
62) ETHYLBENZENE	6.107	106	9515	0.9014237 ppb		90
63) M&P-XYLENE	6.206	106	23923	1.8124206 ppb		98
64) O-XYLENE	6.515	106	13011	1.0058691 ppb		90
65) STYRENE	6.550	104	18446	0.8851218 ppb		96
66) Bromoform	6.582	173	4154	0.9577900 ppb		92
67) Isopropylbenzene	6.734	105	33043	0.9721191 ppb		99
69) Bromobenzene	7.039	77	14917	0.8983173 ppb		97
70) 1,1,2,2-TETRACHLOROETHANE	7.090	83	8088	0.9043986 ppb	#	96
71) 1,2,3-TRICHLOROPROPANE	7.200	110	2289	0.9671197 ppb	#	73
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	2483	0.9639112 ppb	#	90
73) n-Propylbenzene	7.039	91	37235	0.8909316 ppb		99
74) 4-ETHYLTOLUENE	7.119	105	30844	0.9335472 ppb		100
75) 2-Chlorotoluene	7.171	126	7529	0.8988219 ppb		92
76) 4-Chlorotoluene	7.293	91	23652	0.9640398 ppb		97
77) 1,3,5-Trimethylbenzene	7.180	105	26364	0.9356319 ppb		99
78) tert-Butylbenzene	7.428	119	23097	0.9593490 ppb		97
79) 1,2,4-Trimethylbenzene	7.483	105	26356	0.9415339 ppb		97
80) sec-Butylbenzene	7.566	105	35154	0.9236670 ppb		96
81) 1,3-DICHLOROBENZENE	7.750	146	14315	0.9017122 ppb		97
82) p-Isopropyltoluene	7.669	119	27741	1.1089629 ppb		96
83) DICYCLOPENTADIENE	7.669	66	33476	0.8937572 ppb		98
85) 1,4-DICHLOROBENZENE	7.817	146	14736	0.9647130 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	30849	1.1026833 ppb		99
87) 1,2-DICHLOROBENZENE	8.152	146	13376	1.0068605 ppb		90
88) n-Butylbenzene	8.004	91	25260	0.9985784 ppb		93
89) 1,2-Dibromo-3-chloropr...	8.791	157	1687	1.2669829 ppb		90
90) 1,2,4-Trichlorobenzene	9.354	180	9859	1.1741733 ppb		97
91) HEXACHLORO-1,3-BUTADIENE	9.322	225	5016	0.9914679 ppb		98
92) Naphthalene	9.624	128	23124	1.3467940 ppb		98
93) 1,2,3-Trichlorobenzene	9.782	180	9319	1.1988265 ppb		99
94) 1-Methylnaphthalene	10.492	142	13075	1.5062464 ppb	#	96
95) 2-Methylnaphthalene	10.611	142	10501	1.5223158 ppb		94

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 03.D
Acq On : 11 Jul 2014 10:03 am
Operator : 644
Sample : 1ppb
Misc : water IS/SURR14F17495
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 11 11:09:00 2014
Quant Method : C:\msdchem\1\methods\V823G03N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Mon Jul 07 10:21:18 2014
Response via : Initial Calibration

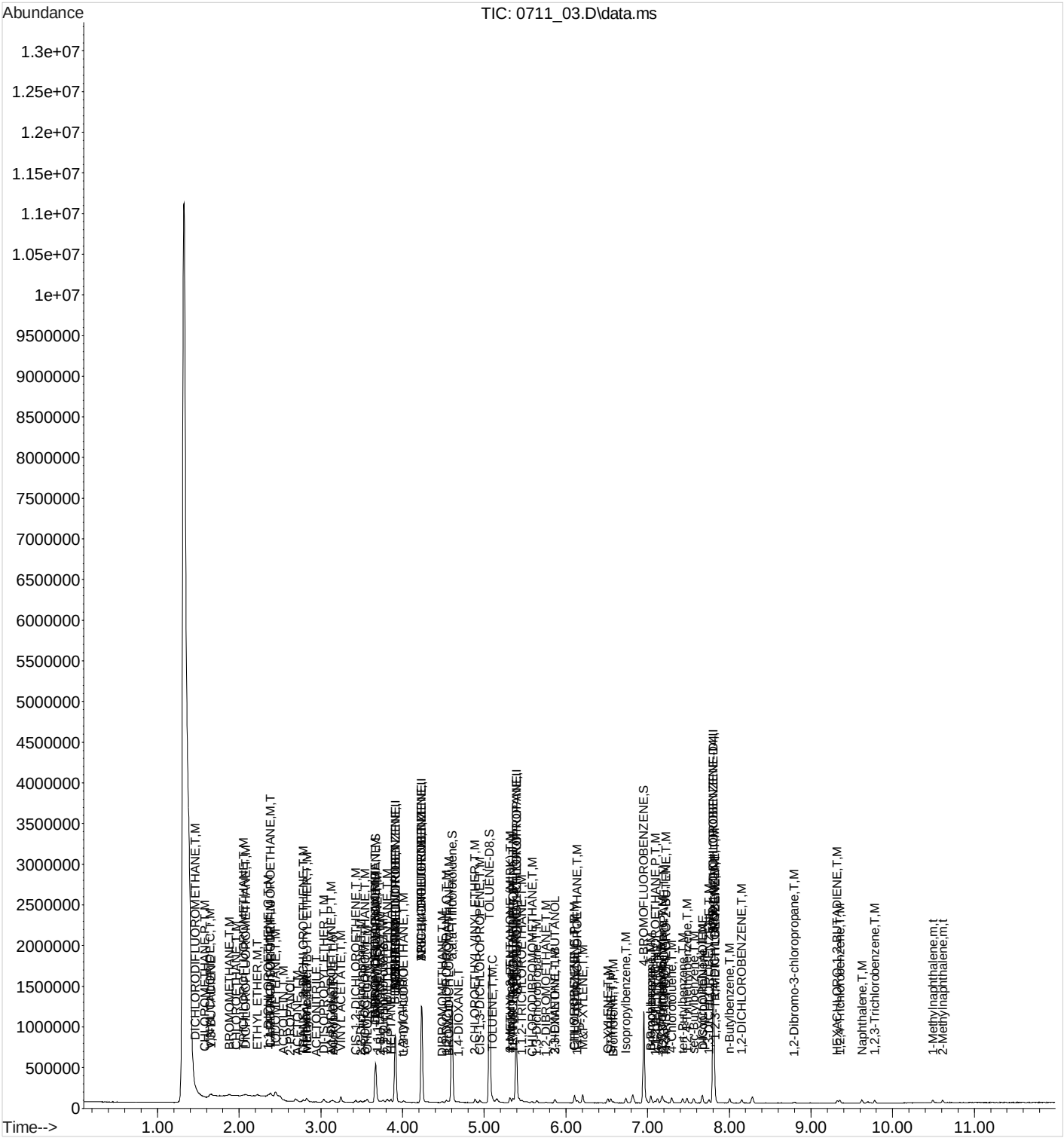
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.624	45	576	1.3136282 ppb #	58
100)	Methyl Acetate	2.824	43	11664	2.1681551 ppb #	82
101)	ACETONITRILE	2.943	41	514	0.6367304 ppb #	35
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	
104)	chloroprene	3.148	53	12816	1.1892619 ppb #	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.631	43	851	N.D.	
108)	METHACRYLONITRILE	3.910	67	1385	0.5236020 ppb #	1
109)	Cyclohexane	3.573	84	1158	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.914	43	1201	2.6971829 ppb #	1
112)	t-Amyl Alcohol	3.997	59	509	0.8387673 ppb #	28
113)	TERT-AMYL METHYL ETHER	3.914	73	1024	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.232	83	8115	N.D.	
117)	2-nitropropane	5.316	43	38622	19.3764021 ppb #	37
118)	METHYL METHACRYLATE	4.602	41	935	N.D.	
119)	1,4-DIOXANE	4.682	88	3393	54.3530102 ppb #	79
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.865	57	5416	8.6474734 ppb #	56
123)	ETHYL METHACRYLATE	5.412	69	605	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	7.254	55	977	No Calib #	
126)	PENTACHLOROETHANE	7.479	117	870	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 03.D
Acq On : 11 Jul 2014 10:03 am
Operator : 644
Sample : 1ppb
Misc : water IS/SURR14F17495
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 11 11:09:00 2014
Quant Method : C:\msdchem\1\methods\V823G03N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Mon Jul 07 10:21:18 2014
Response via : Initial Calibration



Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260B	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SW846	Released On	: 7/12/2014 5:45:15 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
8260-PENTAFLUOROBENZENE																								
TPH (GC/MS) LOW FRACTION																					0	0	0	1
PROPENE				0.227	0.243	0.256	0.231	0.212	0.221	0.216	0.208										0.227	7.17	0.072	1
DICHLORODIFLUOROMETHANE	0.62	0.549	0.6	0.636	0.682	0.75	0.717	0.641	0.673	0.643	0.636										0.65	8.43	0.084	1
CHLOROMETHANE	1.117	1.355	1.163	1.134	1.085	1.158	1.114	0.997	1.074	1.041	1.022										1.115	8.63	0.086	1
VINYL CHLORIDE	1.165	1.235	1.187	1.16	1.212	1.282	1.222	1.095	1.17	1.132	1.115										1.179	4.7	0.047	1
1,3-BUTADIENE		1.076	1.136	0.948	0.985	1.029	0.971	0.854	0.899	0.861	0.844										0.96	10.31	0.103	1
BROMOMETHANE	0.591	0.674	0.583	0.63	0.607	0.719	0.677	0.588	0.621	0.569	0.501										0.614	9.76	0.098	1
CHLOROETHANE		0.179	0.214	0.207	0.216	0.237	0.225	0.203	0.213	0.203	0.169										0.207	9.69	0.097	1
TRICHLOROFLUOROMETHANE	0.973	1.211	1.02	1.023	0.984	1.11	1.062	0.945	1	0.972	0.927										1.021	8.01	0.08	1
DICHLOROFLUOROMETHANE	1.171	1.698	1.402	1.493	1.449	1.637	1.55	1.377	1.488	1.44	1.382										1.462	9.62	0.096	1
ETHYL ETHER	0.696	0.781	0.727	0.736	0.743	0.771	0.762	0.692	0.745	0.715	0.699										0.733	4.21	0.042	1
ACROLEIN	0.161	0.158	0.119	0.125	0.123	0.127	0.125	0.115	0.126	0.121	0.12										0.129	12.01	0.12	1
1,1-DICHLOROETHENE	1.391	1.575	1.508	1.405	1.526	1.553	1.49	1.346	1.423	1.38	1.337										1.449	5.84	0.058	1
1,1,2-TRICHLOROTRIFLUOROETHANE	0.771	0.901	0.822	0.793	0.823	0.858	0.831	0.748	0.792	0.768	0.749										0.805	5.89	0.059	1
ACETONE				0.234	0.211	0.207	0.198	0.182	0.193	0.181	0.174										0.197	10.01	0.1	1
IODOMETHANE	1.219	1.46	1.396	1.392	1.413	1.517	1.464	1.327	1.397	1.347	1.254										1.381	6.46	0.065	1
CARBON DISULFIDE		4.284	3.586	3.28	3.293	3.495	3.304	2.97	3.17	3.087	2.996										3.346	11.49	0.115	1
METHYLENE CHLORIDE				1.235	1.027	0.981	0.901	0.808	0.856	0.84	0.823										0.934	15.43	0.154	1
ACRYLONITRILE	0.191	0.257	0.24	0.253	0.253	0.27	0.267	0.244	0.269	0.258	0.25										0.25	8.74	0.087	1
n-Hexane	0.911	1.078	0.838	0.823	0.826	0.878	0.843	0.774	0.812	0.797	0.791										0.852	9.93	0.099	1
TRANS-1,2-DICHLOROETHENE	0.752	0.985	0.814	0.8	0.819	0.876	0.831	0.761	0.812	0.796	0.788										0.821	7.77	0.078	1
METHYL TERT-BUTYL ETHER	2.17	2.297	2.088	2.174	2.188	2.331	2.266	2.043	2.218	2.128	2.125										2.184	4.05	0.04	1
1,1-DICHLOROETHANE	1.456	1.719	1.59	1.553	1.605	1.666	1.605	1.462	1.561	1.524	1.506										1.568	5.15	0.052	1
VINYL ACETATE	1.379	1.706	1.654	1.638	1.668	1.8	1.786	1.583	1.699	1.63	1.299										1.622	9.55	0.095	1
DI-ISOPROPYL ETHER	2.522	2.907	2.879	2.819	2.899	3.053	3.003	2.73	2.952	2.857	2.806										2.857	5.02	0.05	1
2,2-Dichloropropane	1.01	0.971	0.905	0.936	0.898	0.958	0.863	0.775	0.79	0.757	0.684										0.868	11.9	0.119	1
CIS-1,2-DICHLOROETHENE	0.731	0.795	0.867	0.807	0.86	0.906	0.872	0.798	0.854	0.833	0.832										0.832	5.74	0.057	1
2-BUTANONE (MEK)	0.302	0.319	0.319	0.315	0.32	0.336	0.335	0.314	0.334	0.316	0.309										0.32	3.43	0.034	1
BROMOCHLOROMETHANE	0.554	0.563	0.506	0.511	0.493	0.521	0.503	0.462	0.5	0.487	0.481										0.507	5.88	0.059	1

PDF Generated On: 07/12/2014 By: jimmy@esc-lab.com
Page 36 of 723

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260B	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SW846	Released On	: 7/12/2014 5:45:15 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
TETRAHYDROFURAN			0.316	0.265	0.241	0.253	0.24	0.22	0.236	0.223	0.218										0.246	12.42	0.124	1
CHLOROFORM				1.917	1.623	1.552	1.455	1.315	1.39	1.353	1.332										1.492	13.63	0.136	1
DIBROMOFLUOROMETHANE	0.554	0.557	0.55	0.562	0.557	0.572	0.574	0.571	0.592	0.585	0.586										0.569	2.53	0.025	1
1,1,1-TRICHLOROETHANE	1.054	1.206	1.034	1.037	1.05	1.178	1.125	1.01	1.071	1.042	1.02										1.075	6.1	0.061	1
CARBON TETRACHLORIDE	1.043	1.1	1.101	1.076	1.142	1.214	1.157	1.052	1.103	1.08	1.068										1.103	4.58	0.046	1
1,1-Dichloropropene	1.111	1.289	1.176	1.132	1.223	1.266	1.216	1.111	1.177	1.15	1.134										1.18	5.17	0.052	1
2,2,4-TRIMETHYLPENTANE	3.485	4.13	3.729	3.588	3.709	4.003	3.863	3.488	3.65	3.549											3.719	5.88	0.059	1
HEPTANE	1.358	1.511	1.522	1.428	1.656	1.678	1.728	1.583	1.655	1.647	1.636										1.582	7.23	0.072	1
BENZENE	3.132	3.521	3.198	3.11	3.319	3.404	3.337	3.051	3.233	3.16	3.115										3.235	4.48	0.045	1
1,2-DICHLOROETHANE	0.91	1.001	1.019	0.963	1.01	1.062	1.046	0.959	1.014	0.977	0.97										0.994	4.37	0.044	1
8260-1,4-DIFLUOROBENZENE																								
TRICHLOROETHENE	0.379	0.459	0.427	0.421	0.437	0.473	0.453	0.416	0.436	0.426	0.429										0.432	5.75	0.057	1
1,2-DICHLOROPROPANE	0.286	0.378	0.368	0.339	0.353	0.367	0.359	0.326	0.344	0.335	0.335										0.344	7.36	0.074	1
DIBROMOMETHANE	0.205	0.324	0.251	0.236	0.251	0.266	0.261	0.235	0.252	0.243	0.241										0.251	11.54	0.115	1
BROMODICHLOROMETHANE	0.505	0.664	0.624	0.576	0.584	0.631	0.612	0.561	0.587	0.58	0.58										0.591	7.04	0.07	1
a,a,a-Trifluorotoluene	0.56	0.561	0.554	0.56	0.543	0.555	0.554	0.538	0.542	0.532	0.521										0.547	2.39	0.024	1
2-CHLOROETHYL VINYL ETHER	0.174	0.185	0.184	0.178	0.189	0.199	0.195	0.183	0.195	0.192	0.196										0.188	4.24	0.042	1
CIS-1,3-DICHLOROPROPENE	0.736	0.775	0.766	0.712	0.763	0.799	0.785	0.724	0.76	0.747	0.746										0.756	3.41	0.034	1
4-METHYL-2-PENTANONE (MIBK)	0.181	0.18	0.158	0.158	0.162	0.173	0.174	0.159	0.172	0.165	0.163										0.168	5.11	0.051	1
TOLUENE-D8	1.299	1.274	1.282	1.286	1.284	1.295	1.285	1.284	1.275	1.278	1.247										1.281	1.05	0.01	1
TOLUENE	2.225	2.057	1.886	1.75	1.87	1.945	1.907	1.746	1.822	1.802	1.788										1.891	7.61	0.076	1
TRANS-1,3-DICHLOROPROPENE	0.132	0.145	0.144	0.141	0.152	0.163	0.161	0.151	0.164	0.162	0.169										0.153	7.68	0.077	1
8260-2-BROMO-1-CHLOROPROPANE																								
1,1,2-TRICHLOROETHANE	1.63	1.79	2.031	1.856	1.951	2.003	2.02	1.879	1.989	1.993	2.053										1.927	6.65	0.066	1
TETRACHLOROETHENE	1.577	1.801	1.792	1.644	1.79	1.905	1.852	1.712	1.825	1.841	1.972										1.792	6.3	0.063	1
1,3-Dichloropropane	4.365	4.186	3.923	3.728	3.742	3.791	3.857	3.563	3.743	3.747	3.834										3.862	5.88	0.059	1
2-HEXANONE	0.905	0.918	0.829	0.842	0.859	0.933	0.928	0.864	0.931	0.91	0.931										0.896	4.38	0.044	1
CHLORODIBROMOMETHANE	2.273	2.334	2.196	2.174	2.255	2.29	2.282	2.177	2.286	2.291	2.386										2.268	2.86	0.029	1
1,2-DIBROMOETHANE	2.216	2.223	2.109	1.933	2.018	2.053	2.071	1.931	2.022	2.015	2.073										2.06	4.64	0.046	1
CHLOROBENZENE	6.265	6.738	6.362	6.274	6.693	6.878	6.806	6.336	6.734	6.819	7.203										6.646	4.51	0.045	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260B	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SW846	Released On	: 7/12/2014 5:45:15 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
1,1,1,2-TETRACHLOROETHANE	1.832	2.278	1.995	2.196	2.155	2.295	2.28	2.082	2.239	2.226	2.334										2.174	6.94	0.069	1
ETHYLBENZENE	3.256	3.556	3.655	3.473	3.614	3.801	3.791	3.541	3.76	3.823	4.099										3.67	6.03	0.06	1
M&P-XYLENE	3.884	4.428	4.04	4.217	4.439	4.695	4.645	4.314	4.586	4.675	4.912										4.44	6.91	0.069	1
O-XYLENE	4.98	4.42	4.539	4.393	4.358	4.51	4.51	4.142	4.432	4.472	4.694										4.495	4.67	0.047	1
STYRENE	6.241	6.391	6.304	6.354	6.798	7.224	7.287	6.748	7.212	7.267	7.728										6.869	7.34	0.073	1
Bromoform	1.088	1.33	1.29	1.301	1.394	1.436	1.473	1.347	1.473	1.467	1.536										1.376	9.06	0.091	1
Isopropylbenzene	9.53	11.26	10.46	10.54	11.05	11.97	11.77	10.87	11.48	11.53	11.97										11.13	6.69	0.067	1
4-BROMOFLUOROBENZENE	2.549	2.597	2.525	2.585	2.553	2.622	2.688	2.652	2.731	2.754	2.844										2.645	3.77	0.038	1
Bromobenzene	4.373	5.111	4.414	4.676	4.873	5.126	5.194	4.759	5.183	5.245	5.632										4.962	7.69	0.077	1
1,1,2,2-TETRACHLOROETHANE	2.308	3.056	2.376	2.656	2.64	2.826	2.81	2.534	2.777	2.756	2.846										2.689	8.11	0.081	1
1,2,3-TRICHLOROPROPANE	0.571	0.952	0.595	0.732	0.767	0.79	0.779	0.711	0.785	0.77	0.807										0.751	13.72	0.137	1
TRANS-1,4-DICHLORO-2-BUTENE	0.727	0.728	0.66	0.725	0.691	0.765	0.773	0.71	0.811	0.803	0.824										0.747	7	0.07	1
n-Propylbenzene	11.66	13.97	11.88	12.27	12.82	13.73	13.77	12.59	13.62	13.76	14.38										13.13	7.04	0.07	1
4-ETHYLTOLUENE	9.63	10.89	9.46	9.75	10.2	10.96	11.03	10.02	10.9	10.98	11.66										10.5	6.81	0.068	1
2-Chlorotoluene	2.511	2.825	2.572	2.477	2.532	2.751	2.73	2.509	2.729	2.777	2.998										2.674	6.18	0.062	1
4-Chlorotoluene	6.997	7.581	7.485	7.048	7.605	8.173	8.227	7.477	8.133	8.18	8.704										7.783	6.91	0.069	1
1,3,5-Trimethylbenzene	7.98	9.02	8.27	8.389999	8.95	9.65	9.71	8.93	9.67	9.74	10.46										9.16	8.24	0.082	1
tert-Butylbenzene	7.121	7.816	7.02	7.305	7.668	8.044	8.169	7.501	8.041	8.124	8.568										7.761	6.25	0.063	1
1,2,4-Trimethylbenzene	7.78	9.45	8.360001	8.389999	8.73	9.54	9.53	8.679999	9.43	9.57	10.11										9.049999	7.76	0.078	1
sec-Butylbenzene	10.88	12.28	11.07	11.31	11.85	12.81	12.85	11.8	12.53	12.64	13.17										12.11	6.42	0.064	1
1,3-DICHLOROBENZENE	4.015	4.955	4.313	4.376	4.556	4.879	4.935	4.466	4.931	4.975	5.381										4.707	8.34	0.083	1
p-Isopropyltoluene	8.37	9.599999	8.690001	8.88	9.4	10.15	10.45	9.53	10.31	10.51	11.17										9.73	8.93	0.089	1
DICYCLOPENTADIENE	8.53	11.1	10.47	10.56	11.05	12.15	12.38	11.21	12.17	12.17	12.7										11.32	10.61	0.106	1
8260-1,4-DICHLOROBENZENE-D4																								
1,4-DICHLOROBENZENE	1.944	2.049	1.912	1.823	1.948	1.977	1.931	1.756	1.862	1.839	1.906										1.904	4.24	0.042	1
1,2,3-TRIMETHYLBENZENE	4.317	4.374	3.923	3.692	3.908	3.924	3.847	3.529	3.633	3.598	3.631										3.852	7.31	0.073	1
1,2-DICHLOROBENZENE	1.53	1.803	1.737	1.723	1.805	1.82	1.779	1.618	1.681	1.656	1.675										1.711	5.27	0.053	1
n-Butylbenzene	3.157	4.094	3.509	3.365	3.665	3.811	3.691	3.344	3.415	3.408	3.361										3.529	7.5	0.075	1
1,2-Dibromo-3-chloropropane		0.184	0.192	0.196	0.205	0.212	0.208	0.188	0.2	0.192	0.185										0.196	4.96	0.05	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260B	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SW846	Released On	: 7/12/2014 5:45:15 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
1,2,4-Trichlorobenzene	1.184	1.293	1.152	1.118	1.204	1.231	1.144	1.037	1.1	1.093	1.096										1.15	6.37	0.064	1
HEXACHLORO-1,3-BUTADIENE	0.516	0.651	0.65	0.648	0.671	0.687	0.647	0.594	0.6	0.61	0.616										0.626	7.49	0.075	1
Naphthalene	3.126	3.015	2.819	2.673	2.84	2.879	2.738	2.504	2.673	2.601	2.52										2.763	7.12	0.071	1
1,2,3-Trichlorobenzene	1.1	1.13	1.123	1.067	1.147	1.128	1.053	0.956	1.013	1.001	0.997										1.065	6.15	0.061	1
1-Methylnaphthalene	1.482	1.654	1.462	1.438	1.507	1.513	1.457	1.341	1.449	1.441	1.374										1.465	5.52	0.055	1
2-Methylnaphthalene	1.26	1.286	1.205	1.141	1.215	1.234	1.203	1.096	1.184	1.158	1.082										1.188	5.39	0.054	1
AP9-PENTAFLUOROBENZENE																								
METHANOL												0.007	0.006	0.007	0.007	0.008	0.007	0.007	0.006	0.009	0.007	9.67	0.097	1
Bromoethane												0.696	0.654	0.582	0.579	0.629	0.593	0.573	0.569	0.567	0.605	7.48	0.075	1
2-PROPANOL												0.054	0.046	0.041	0.043	0.045	0.042	0.043	0.037	0.048	0.044	10.79	0.108	1
Methyl Acetate												0.573	0.557	0.52	0.537	0.549	0.536	0.542	0.508	0.539	0.54	3.5	0.035	1
ACETONITRILE												0.085	0.076	0.072	0.076	0.076	0.079	0.08	0.073	0.084	0.078	5.86	0.059	1
ALLYL CHLORIDE												0.443	0.424	0.382	0.403	0.416	0.414	0.388	0.388	0.401	0.406	4.83	0.048	1
tert-BUTYL ALCOHOL												0.104	0.084	0.087	0.08	0.085	0.083	0.085	0.078	0.091	0.086	8.66	0.087	1
chloroprene												1.361	1.266	1.154	1.214	1.234	1.228	1.149	1.135	1.187	1.214	5.8	0.058	1
ETHYL TERT-BUTYL ETHER												2.567	2.468	2.216	2.342	2.415	2.455	2.282	2.274	2.333	2.372	4.73	0.047	1
PROPIONITRILE												0.102	0.097	0.093	0.096	0.098	0.096	0.102	0.093	0.1	0.098	3.42	0.034	1
Ethyl Acetate												0.621	0.623	0.593	0.608	0.617	0.607	0.617	0.572	0.601	0.606	2.69	0.027	1
METHACRYLONITRILE												0.295	0.291	0.272	0.286	0.294	0.291	0.291	0.275	0.285	0.287	2.81	0.028	1
Cyclohexane												1.143	1.097	0.963	1.012	1.064	1.026	0.964	0.963	0.989	1.025	6.31	0.063	1
tert-butyl formate												0.681	0.682	0.652	0.671	0.695	0.694	0.672	0.659	0.692	0.678	2.27	0.023	1
ISOBUTANOL												0.048	0.049	0.046	0.048	0.045	0.045	0.046	0.041	0.047	0.046	4.9	0.049	1
t-Amyl Alcohol												0.055	0.073	0.059	0.071	0.062	0.073	0.075	0.072	0.068	0.068	10.17	0.102	1
TERT-AMYL METHYL ETHER												2.262	2.203	1.961	2.049	2.111	2.14	2.004	1.975	2.052	2.084	4.96	0.05	1
AP9-1,4-DIFLUOROBENZENE																								
N-BUTANOL												0.014	0.014	0.014	0.014	0.015	0.014	0.015	0.014	0.015	0.014	4.51	0.045	1
Methyl Cyclohexane												1.165	0.888	0.738	0.739	0.76	0.726	0.705	0.699	0.721	0.793	18.95	0.999	0
2-nitropropane												0.134	0.127	0.124	0.128	0.132	0.126	0.133	0.121	0.129	0.128	3.18	0.032	1
METHYL METHACRYLATE												0.355	0.363	0.341	0.362	0.369	0.361	0.371	0.342	0.362	0.358	2.98	0.03	1
1,4-DIOXANE																					0	0	0	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260B	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SW846	Released On	: 7/12/2014 5:45:15 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
n-octane												0.417	0.34	0.311	0.333	0.346	0.336	0.329	0.317	0.333	0.34	9.04	0.09	1
3,3-DIMETHYL-1-BUTANOL												0.046	0.041	0.038	0.04	0.043	0.042	0.044	0.041	0.043	0.042	5.76	0.058	1
SAP9-2-BROMO-1-CHLOROPROPANE																								
ETHYL METHACRYLATE												2.85	2.951	2.715	2.868	2.965	3.023	2.954	2.801	2.93	2.895	3.3	0.033	1
CIS-1,4-DICHLORO-2-BUTENE												0.847	0.797	0.711	0.743	0.802	0.789	0.801	0.777	0.79	0.784	4.93	0.049	1
Cyclohexanone												0.612	0.539	0.422	0.482	0.521	0.523	0.508	0.373	0.456	0.493	14.19	0.142	1
PENTACHLOROETHANE												1.164	1.343	1.291	1.341	1.347	1.344	1.307	1.385	1.386	1.323	5.08	0.051	1
Hexachloroethane												1.839	1.93	1.684	1.791	1.88	1.913	1.804	1.786	1.815	1.827	4.12	0.041	1
SAP9-1,4-DICHLOROBENZENE-D4																								

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 601-602	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: EPA	Released On	: 7/12/2014 5:42:16 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
8260-PENTAFLUOROBENZENE																								
TPH (GC/MS) LOW FRACTION																					0	0	0	1
PROPENE				0.227	0.243	0.256	0.231	0.212	0.221	0.216	0.208										0.227	7.17	0.072	1
DICHLORODIFLUOROMETHANE	0.62	0.549	0.6	0.636	0.682	0.75	0.717	0.641	0.673	0.643	0.636										0.65	8.43	0.084	1
CHLOROMETHANE	1.117	1.355	1.163	1.134	1.085	1.158	1.114	0.997	1.074	1.041	1.022										1.115	8.63	0.086	1
VINYL CHLORIDE	1.165	1.235	1.187	1.16	1.212	1.282	1.222	1.095	1.17	1.132	1.115										1.179	4.7	0.047	1
1,3-BUTADIENE		1.076	1.136	0.948	0.985	1.029	0.971	0.854	0.899	0.861	0.844										0.96	10.31	0.103	1
BROMOMETHANE	0.591	0.674	0.583	0.63	0.607	0.719	0.677	0.588	0.621	0.569	0.501										0.614	9.76	0.098	1
CHLOROETHANE		0.179	0.214	0.207	0.216	0.237	0.225	0.203	0.213	0.203	0.169										0.207	9.69	0.097	1
TRICHLOROFLUOROMETHANE	0.973	1.211	1.02	1.023	0.984	1.11	1.062	0.945	1	0.972	0.927										1.021	8.01	0.08	1
DICHLOROFLUOROMETHANE	1.171	1.698	1.402	1.493	1.449	1.637	1.55	1.377	1.488	1.44	1.382										1.462	9.62	0.096	1
ETHYL ETHER	0.696	0.781	0.727	0.736	0.743	0.771	0.762	0.692	0.745	0.715	0.699										0.733	4.21	0.042	1
ACROLEIN	0.161	0.158	0.119	0.125	0.123	0.127	0.125	0.115	0.126	0.121	0.12										0.129	12.01	0.12	1
1,1-DICHLOROETHENE	1.391	1.575	1.508	1.405	1.526	1.553	1.49	1.346	1.423	1.38	1.337										1.449	5.84	0.058	1
1,1,2-TRICHLOROTRIFLUOROETHANE	0.771	0.901	0.822	0.793	0.823	0.858	0.831	0.748	0.792	0.768	0.749										0.805	5.89	0.059	1
ACETONE				0.234	0.211	0.207	0.198	0.182	0.193	0.181	0.174										0.197	10.01	0.1	1
IODOMETHANE	1.219	1.46	1.396	1.392	1.413	1.517	1.464	1.327	1.397	1.347	1.254										1.381	6.46	0.065	1
CARBON DISULFIDE		4.284	3.586	3.28	3.293	3.495	3.304	2.97	3.17	3.087	2.996										3.346	11.49	0.115	1
METHYLENE CHLORIDE				1.235	1.027	0.981	0.901	0.808	0.856	0.84	0.823										0.934	15.43	0.154	1
ACRYLONITRILE	0.191	0.257	0.24	0.253	0.253	0.27	0.267	0.244	0.269	0.258	0.25										0.25	8.74	0.087	1
n-Hexane	0.911	1.078	0.838	0.823	0.826	0.878	0.843	0.774	0.812	0.797	0.791										0.852	9.93	0.099	1
TRANS-1,2-DICHLOROETHENE	0.752	0.985	0.814	0.8	0.819	0.876	0.831	0.761	0.812	0.796	0.788										0.821	7.77	0.078	1
METHYL TERT-BUTYL ETHER	2.17	2.297	2.088	2.174	2.188	2.331	2.266	2.043	2.218	2.128	2.125										2.184	4.05	0.04	1
1,1-DICHLOROETHANE	1.456	1.719	1.59	1.553	1.605	1.666	1.605	1.462	1.561	1.524	1.506										1.568	5.15	0.052	1
VINYL ACETATE	1.379	1.706	1.654	1.638	1.668	1.8	1.786	1.583	1.699	1.63	1.299										1.622	9.55	0.095	1
DI-ISOPROPYL ETHER	2.522	2.907	2.879	2.819	2.899	3.053	3.003	2.73	2.952	2.857	2.806										2.857	5.02	0.05	1
2,2-Dichloropropane	1.01	0.971	0.905	0.936	0.898	0.958	0.863	0.775	0.79	0.757	0.684										0.868	11.9	0.119	1
CIS-1,2-DICHLOROETHENE	0.731	0.795	0.867	0.807	0.86	0.906	0.872	0.798	0.854	0.833	0.832										0.832	5.74	0.057	1
2-BUTANONE (MEK)	0.302	0.319	0.319	0.315	0.32	0.336	0.335	0.314	0.334	0.316	0.309										0.32	3.43	0.034	1
BROMOCHLOROMETHANE	0.554	0.563	0.506	0.511	0.493	0.521	0.503	0.462	0.5	0.487	0.481										0.507	5.88	0.059	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 601-602	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: EPA	Released On	: 7/12/2014 5:42:16 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
TETRAHYDROFURAN			0.316	0.265	0.241	0.253	0.24	0.22	0.236	0.223	0.218										0.246	12.42	0.124	1
CHLOROFORM				1.917	1.623	1.552	1.455	1.315	1.39	1.353	1.332										1.492	13.63	0.136	1
DIBROMOFLUOROMETHANE	0.554	0.557	0.55	0.562	0.557	0.572	0.574	0.571	0.592	0.585	0.586										0.569	2.53	0.025	1
1,1,1-TRICHLOROETHANE	1.054	1.206	1.034	1.037	1.05	1.178	1.125	1.01	1.071	1.042	1.02										1.075	6.1	0.061	1
CARBON TETRACHLORIDE	1.043	1.1	1.101	1.076	1.142	1.214	1.157	1.052	1.103	1.08	1.068										1.103	4.58	0.046	1
1,1-Dichloropropene	1.111	1.289	1.176	1.132	1.223	1.266	1.216	1.111	1.177	1.15	1.134										1.18	5.17	0.052	1
2,2,4-TRIMETHYLPENTANE	3.485	4.13	3.729	3.588	3.709	4.003	3.863	3.488	3.65	3.549											3.719	5.88	0.059	1
HEPTANE	1.358	1.511	1.522	1.428	1.656	1.678	1.728	1.583	1.655	1.647	1.636										1.582	7.23	0.072	1
BENZENE	3.132	3.521	3.198	3.11	3.319	3.404	3.337	3.051	3.233	3.16	3.115										3.235	4.48	0.045	1
1,2-DICHLOROETHANE	0.91	1.001	1.019	0.963	1.01	1.062	1.046	0.959	1.014	0.977	0.97										0.994	4.37	0.044	1
8260-1,4-DIFLUOROBENZENE																								
TRICHLOROETHENE	0.379	0.459	0.427	0.421	0.437	0.473	0.453	0.416	0.436	0.426	0.429										0.432	5.75	0.057	1
1,2-DICHLOROPROPANE	0.286	0.378	0.368	0.339	0.353	0.367	0.359	0.326	0.344	0.335	0.335										0.344	7.36	0.074	1
DIBROMOMETHANE	0.205	0.324	0.251	0.236	0.251	0.266	0.261	0.235	0.252	0.243	0.241										0.251	11.54	0.115	1
BROMODICHLOROMETHANE	0.505	0.664	0.624	0.576	0.584	0.631	0.612	0.561	0.587	0.58	0.58										0.591	7.04	0.07	1
a,a,a-Trifluorotoluene	0.56	0.561	0.554	0.56	0.543	0.555	0.554	0.538	0.542	0.532	0.521										0.547	2.39	0.024	1
2-CHLOROETHYL VINYL ETHER	0.174	0.185	0.184	0.178	0.189	0.199	0.195	0.183	0.195	0.192	0.196										0.188	4.24	0.042	1
CIS-1,3-DICHLOROPROPENE	0.736	0.775	0.766	0.712	0.763	0.799	0.785	0.724	0.76	0.747	0.746										0.756	3.41	0.034	1
4-METHYL-2-PENTANONE (MIBK)	0.181	0.18	0.158	0.158	0.162	0.173	0.174	0.159	0.172	0.165	0.163										0.168	5.11	0.051	1
TOLUENE-D8	1.299	1.274	1.282	1.286	1.284	1.295	1.285	1.284	1.275	1.278	1.247										1.281	1.05	0.01	1
TOLUENE	2.225	2.057	1.886	1.75	1.87	1.945	1.907	1.746	1.822	1.802	1.788										1.891	7.61	0.076	1
TRANS-1,3-DICHLOROPROPENE	0.132	0.145	0.144	0.141	0.152	0.163	0.161	0.151	0.164	0.162	0.169										0.153	7.68	0.077	1
8260-2-BROMO-1-CHLOROPROPANE																								
1,1,2-TRICHLOROETHANE	1.63	1.79	2.031	1.856	1.951	2.003	2.02	1.879	1.989	1.993	2.053										1.927	6.65	0.066	1
TETRACHLOROETHENE	1.577	1.801	1.792	1.644	1.79	1.905	1.852	1.712	1.825	1.841	1.972										1.792	6.3	0.063	1
1,3-Dichloropropane	4.365	4.186	3.923	3.728	3.742	3.791	3.857	3.563	3.743	3.747	3.834										3.862	5.88	0.059	1
2-HEXANONE	0.905	0.918	0.829	0.842	0.859	0.933	0.928	0.864	0.931	0.91	0.931										0.896	4.38	0.044	1
CHLORODIBROMOMETHANE	2.273	2.334	2.196	2.174	2.255	2.29	2.282	2.177	2.286	2.291	2.386										2.268	2.86	0.029	1
1,2-DIBROMOETHANE	2.216	2.223	2.109	1.933	2.018	2.053	2.071	1.931	2.022	2.015	2.073										2.06	4.64	0.046	1
CHLOROBENZENE	6.265	6.738	6.362	6.274	6.693	6.878	6.806	6.336	6.734	6.819	7.203										6.646	4.51	0.045	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 601-602	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: EPA	Released On	: 7/12/2014 5:42:16 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
1,1,1,2-TETRACHLOROETHANE	1.832	2.278	1.995	2.196	2.155	2.295	2.28	2.082	2.239	2.226	2.334										2.174	6.94	0.069	1
ETHYLBENZENE	3.256	3.556	3.655	3.473	3.614	3.801	3.791	3.541	3.76	3.823	4.099										3.67	6.03	0.06	1
M&P-XYLENE	3.884	4.428	4.04	4.217	4.439	4.695	4.645	4.314	4.586	4.675	4.912										4.44	6.91	0.069	1
O-XYLENE	4.98	4.42	4.539	4.393	4.358	4.51	4.51	4.142	4.432	4.472	4.694										4.495	4.67	0.047	1
STYRENE	6.241	6.391	6.304	6.354	6.798	7.224	7.287	6.748	7.212	7.267	7.728										6.869	7.34	0.073	1
Bromoform	1.088	1.33	1.29	1.301	1.394	1.436	1.473	1.347	1.473	1.467	1.536										1.376	9.06	0.091	1
Isopropylbenzene	9.53	11.26	10.46	10.54	11.05	11.97	11.77	10.87	11.48	11.53	11.97										11.13	6.69	0.067	1
4-BROMOFLUOROBENZENE	2.549	2.597	2.525	2.585	2.553	2.622	2.688	2.652	2.731	2.754	2.844										2.645	3.77	0.038	1
Bromobenzene	4.373	5.111	4.414	4.676	4.873	5.126	5.194	4.759	5.183	5.245	5.632										4.962	7.69	0.077	1
1,1,2,2-TETRACHLOROETHANE	2.308	3.056	2.376	2.656	2.64	2.826	2.81	2.534	2.777	2.756	2.846										2.689	8.11	0.081	1
1,2,3-TRICHLOROPROPANE	0.571	0.952	0.595	0.732	0.767	0.79	0.779	0.711	0.785	0.77	0.807										0.751	13.72	0.137	1
TRANS-1,4-DICHLORO-2-BUTENE	0.727	0.728	0.66	0.725	0.691	0.765	0.773	0.71	0.811	0.803	0.824										0.747	7	0.07	1
n-Propylbenzene	11.66	13.97	11.88	12.27	12.82	13.73	13.77	12.59	13.62	13.76	14.38										13.13	7.04	0.07	1
4-ETHYLTOLUENE	9.63	10.89	9.46	9.75	10.2	10.96	11.03	10.02	10.9	10.98	11.66										10.5	6.81	0.068	1
2-Chlorotoluene	2.511	2.825	2.572	2.477	2.532	2.751	2.73	2.509	2.729	2.777	2.998										2.674	6.18	0.062	1
4-Chlorotoluene	6.997	7.581	7.485	7.048	7.605	8.173	8.227	7.477	8.133	8.18	8.704										7.783	6.91	0.069	1
1,3,5-Trimethylbenzene	7.98	9.02	8.27	8.389999	8.95	9.65	9.71	8.93	9.67	9.74	10.46										9.16	8.24	0.082	1
tert-Butylbenzene	7.121	7.816	7.02	7.305	7.668	8.044	8.169	7.501	8.041	8.124	8.568										7.761	6.25	0.063	1
1,2,4-Trimethylbenzene	7.78	9.45	8.360001	8.389999	8.73	9.54	9.53	8.679999	9.43	9.57	10.11										9.049999	7.76	0.078	1
sec-Butylbenzene	10.88	12.28	11.07	11.31	11.85	12.81	12.85	11.8	12.53	12.64	13.17										12.11	6.42	0.064	1
1,3-DICHLOROBENZENE	4.015	4.955	4.313	4.376	4.556	4.879	4.935	4.466	4.931	4.975	5.381										4.707	8.34	0.083	1
p-Isopropyltoluene	8.37	9.599999	8.690001	8.88	9.4	10.15	10.45	9.53	10.31	10.51	11.17										9.73	8.93	0.089	1
DICYCLOPENTADIENE	8.53	11.1	10.47	10.56	11.05	12.15	12.38	11.21	12.17	12.17	12.7										11.32	10.61	0.106	1
8260-1,4-DICHLOROBENZENE-D4																								
1,4-DICHLOROBENZENE	1.944	2.049	1.912	1.823	1.948	1.977	1.931	1.756	1.862	1.839	1.906										1.904	4.24	0.042	1
1,2,3-TRIMETHYLBENZENE	4.317	4.374	3.923	3.692	3.908	3.924	3.847	3.529	3.633	3.598	3.631										3.852	7.31	0.073	1
1,2-DICHLOROBENZENE	1.53	1.803	1.737	1.723	1.805	1.82	1.779	1.618	1.681	1.656	1.675										1.711	5.27	0.053	1
n-Butylbenzene	3.157	4.094	3.509	3.365	3.665	3.811	3.691	3.344	3.415	3.408	3.361										3.529	7.5	0.075	1
1,2-Dibromo-3-chloropropane		0.184	0.192	0.196	0.205	0.212	0.208	0.188	0.2	0.192	0.185										0.196	4.96	0.05	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 601-602	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: EPA	Released On	: 7/12/2014 5:42:16 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
1,2,4-Trichlorobenzene	1.184	1.293	1.152	1.118	1.204	1.231	1.144	1.037	1.1	1.093	1.096										1.15	6.37	0.064	1
HEXACHLORO-1,3-BUTADIENE	0.516	0.651	0.65	0.648	0.671	0.687	0.647	0.594	0.6	0.61	0.616										0.626	7.49	0.075	1
Naphthalene	3.126	3.015	2.819	2.673	2.84	2.879	2.738	2.504	2.673	2.601	2.52										2.763	7.12	0.071	1
1,2,3-Trichlorobenzene	1.1	1.13	1.123	1.067	1.147	1.128	1.053	0.956	1.013	1.001	0.997										1.065	6.15	0.061	1
1-Methylnaphthalene	1.482	1.654	1.462	1.438	1.507	1.513	1.457	1.341	1.449	1.441	1.374										1.465	5.52	0.055	1
2-Methylnaphthalene	1.26	1.286	1.205	1.141	1.215	1.234	1.203	1.096	1.184	1.158	1.082										1.188	5.39	0.054	1
AP9-PENTAFLUOROBENZENE																								
METHANOL												0.007	0.006	0.007	0.007	0.008	0.007	0.007	0.006	0.009	0.007	9.67	0.097	1
Bromoethane												0.696	0.654	0.582	0.579	0.629	0.593	0.573	0.569	0.567	0.605	7.48	0.075	1
2-PROPANOL												0.054	0.046	0.041	0.043	0.045	0.042	0.043	0.037	0.048	0.044	10.79	0.108	1
Methyl Acetate												0.573	0.557	0.52	0.537	0.549	0.536	0.542	0.508	0.539	0.54	3.5	0.035	1
ACETONITRILE												0.085	0.076	0.072	0.076	0.076	0.079	0.08	0.073	0.084	0.078	5.86	0.059	1
ALLYL CHLORIDE												0.443	0.424	0.382	0.403	0.416	0.414	0.388	0.388	0.401	0.406	4.83	0.048	1
tert-BUTYL ALCOHOL												0.104	0.084	0.087	0.08	0.085	0.083	0.085	0.078	0.091	0.086	8.66	0.087	1
chloroprene												1.361	1.266	1.154	1.214	1.234	1.228	1.149	1.135	1.187	1.214	5.8	0.058	1
ETHYL TERT-BUTYL ETHER												2.567	2.468	2.216	2.342	2.415	2.455	2.282	2.274	2.333	2.372	4.73	0.047	1
PROPIONITRILE												0.102	0.097	0.093	0.096	0.098	0.096	0.102	0.093	0.1	0.098	3.42	0.034	1
Ethyl Acetate												0.621	0.623	0.593	0.608	0.617	0.607	0.617	0.572	0.601	0.606	2.69	0.027	1
METHACRYLONITRILE												0.295	0.291	0.272	0.286	0.294	0.291	0.291	0.275	0.285	0.287	2.81	0.028	1
Cyclohexane												1.143	1.097	0.963	1.012	1.064	1.026	0.964	0.963	0.989	1.025	6.31	0.063	1
tert-butyl formate												0.681	0.682	0.652	0.671	0.695	0.694	0.672	0.659	0.692	0.678	2.27	0.023	1
ISOBUTANOL												0.048	0.049	0.046	0.048	0.045	0.045	0.046	0.041	0.047	0.046	4.9	0.049	1
t-Amyl Alcohol												0.055	0.073	0.059	0.071	0.062	0.073	0.075	0.072	0.068	0.068	10.17	0.102	1
TERT-AMYL METHYL ETHER												2.262	2.203	1.961	2.049	2.111	2.14	2.004	1.975	2.052	2.084	4.96	0.05	1
AP9-1,4-DIFLUOROBENZENE																								
N-BUTANOL												0.014	0.014	0.014	0.014	0.015	0.014	0.015	0.014	0.015	0.014	4.51	0.045	1
Methyl Cyclohexane												1.165	0.888	0.738	0.739	0.76	0.726	0.705	0.699	0.721	0.793	18.95	0.999	0
2-nitropropane												0.134	0.127	0.124	0.128	0.132	0.126	0.133	0.121	0.129	0.128	3.18	0.032	1
METHYL METHACRYLATE												0.355	0.363	0.341	0.362	0.369	0.361	0.371	0.342	0.362	0.358	2.98	0.03	1
1,4-DIOXANE																					0	0	0	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 601-602	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: EPA	Released On	: 7/12/2014 5:42:16 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
n-octane												0.417	0.34	0.311	0.333	0.346	0.336	0.329	0.317	0.333	0.34	9.04	0.09	1
3,3-DIMETHYL-1-BUTANOL												0.046	0.041	0.038	0.04	0.043	0.042	0.044	0.041	0.043	0.042	5.76	0.058	1
SAP9-2-BROMO-1-CHLOROPROPANE																								
ETHYL METHACRYLATE												2.85	2.951	2.715	2.868	2.965	3.023	2.954	2.801	2.93	2.895	3.3	0.033	1
CIS-1,4-DICHLORO-2-BUTENE												0.847	0.797	0.711	0.743	0.802	0.789	0.801	0.777	0.79	0.784	4.93	0.049	1
Cyclohexanone												0.612	0.539	0.422	0.482	0.521	0.523	0.508	0.373	0.456	0.493	14.19	0.142	1
PENTACHLOROETHANE												1.164	1.343	1.291	1.341	1.347	1.344	1.307	1.385	1.386	1.323	5.08	0.051	1
Hexachloroethane												1.839	1.93	1.684	1.791	1.88	1.913	1.804	1.786	1.815	1.827	4.12	0.041	1
SAP9-1,4-DICHLOROBENZENE-D4																								

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12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 624	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: EPA	Released On	: 7/12/2014 5:42:54 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
8260-PENTAFLUOROBENZENE																								
TPH (GC/MS) LOW FRACTION																					0	0	0	1
PROPENE				0.227	0.243	0.256	0.231	0.212	0.221	0.216	0.208										0.227	7.17	0.072	1
DICHLORODIFLUOROMETHANE	0.62	0.549	0.6	0.636	0.682	0.75	0.717	0.641	0.673	0.643	0.636										0.65	8.43	0.084	1
CHLOROMETHANE	1.117	1.355	1.163	1.134	1.085	1.158	1.114	0.997	1.074	1.041	1.022										1.115	8.63	0.086	1
VINYL CHLORIDE	1.165	1.235	1.187	1.16	1.212	1.282	1.222	1.095	1.17	1.132	1.115										1.179	4.7	0.047	1
1,3-BUTADIENE		1.076	1.136	0.948	0.985	1.029	0.971	0.854	0.899	0.861	0.844										0.96	10.31	0.103	1
BROMOMETHANE	0.591	0.674	0.583	0.63	0.607	0.719	0.677	0.588	0.621	0.569	0.501										0.614	9.76	0.098	1
CHLOROETHANE		0.179	0.214	0.207	0.216	0.237	0.225	0.203	0.213	0.203	0.169										0.207	9.69	0.097	1
TRICHLOROFLUOROMETHANE	0.973	1.211	1.02	1.023	0.984	1.11	1.062	0.945	1	0.972	0.927										1.021	8.01	0.08	1
DICHLOROFLUOROMETHANE	1.171	1.698	1.402	1.493	1.449	1.637	1.55	1.377	1.488	1.44	1.382										1.462	9.62	0.096	1
ETHYL ETHER	0.696	0.781	0.727	0.736	0.743	0.771	0.762	0.692	0.745	0.715	0.699										0.733	4.21	0.042	1
ACROLEIN	0.161	0.158	0.119	0.125	0.123	0.127	0.125	0.115	0.126	0.121	0.12										0.129	12.01	0.12	1
1,1-DICHLOROETHENE	1.391	1.575	1.508	1.405	1.526	1.553	1.49	1.346	1.423	1.38	1.337										1.449	5.84	0.058	1
1,1,2-TRICHLOROTRIFLUOROETHANE	0.771	0.901	0.822	0.793	0.823	0.858	0.831	0.748	0.792	0.768	0.749										0.805	5.89	0.059	1
ACETONE				0.234	0.211	0.207	0.198	0.182	0.193	0.181	0.174										0.197	10.01	0.1	1
IODOMETHANE	1.219	1.46	1.396	1.392	1.413	1.517	1.464	1.327	1.397	1.347	1.254										1.381	6.46	0.065	1
CARBON DISULFIDE		4.284	3.586	3.28	3.293	3.495	3.304	2.97	3.17	3.087	2.996										3.346	11.49	0.115	1
METHYLENE CHLORIDE				1.235	1.027	0.981	0.901	0.808	0.856	0.84	0.823										0.934	15.43	0.154	1
ACRYLONITRILE	0.191	0.257	0.24	0.253	0.253	0.27	0.267	0.244	0.269	0.258	0.25										0.25	8.74	0.087	1
n-Hexane	0.911	1.078	0.838	0.823	0.826	0.878	0.843	0.774	0.812	0.797	0.791										0.852	9.93	0.099	1
TRANS-1,2-DICHLOROETHENE	0.752	0.985	0.814	0.8	0.819	0.876	0.831	0.761	0.812	0.796	0.788										0.821	7.77	0.078	1
METHYL TERT-BUTYL ETHER	2.17	2.297	2.088	2.174	2.188	2.331	2.266	2.043	2.218	2.128	2.125										2.184	4.05	0.04	1
1,1-DICHLOROETHANE	1.456	1.719	1.59	1.553	1.605	1.666	1.605	1.462	1.561	1.524	1.506										1.568	5.15	0.052	1
VINYL ACETATE	1.379	1.706	1.654	1.638	1.668	1.8	1.786	1.583	1.699	1.63	1.299										1.622	9.55	0.095	1
DI-ISOPROPYL ETHER	2.522	2.907	2.879	2.819	2.899	3.053	3.003	2.73	2.952	2.857	2.806										2.857	5.02	0.05	1
2,2-Dichloropropane	1.01	0.971	0.905	0.936	0.898	0.958	0.863	0.775	0.79	0.757	0.684										0.868	11.9	0.119	1
CIS-1,2-DICHLOROETHENE	0.731	0.795	0.867	0.807	0.86	0.906	0.872	0.798	0.854	0.833	0.832										0.832	5.74	0.057	1
2-BUTANONE (MEK)	0.302	0.319	0.319	0.315	0.32	0.336	0.335	0.314	0.334	0.316	0.309										0.32	3.43	0.034	1
BROMOCHLOROMETHANE	0.554	0.563	0.506	0.511	0.493	0.521	0.503	0.462	0.5	0.487	0.481										0.507	5.88	0.059	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 624	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: EPA	Released On	: 7/12/2014 5:42:54 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
TETRAHYDROFURAN			0.316	0.265	0.241	0.253	0.24	0.22	0.236	0.223	0.218										0.246	12.42	0.124	1
CHLOROFORM				1.917	1.623	1.552	1.455	1.315	1.39	1.353	1.332										1.492	13.63	0.136	1
DIBROMOFLUOROMETHANE	0.554	0.557	0.55	0.562	0.557	0.572	0.574	0.571	0.592	0.585	0.586										0.569	2.53	0.025	1
1,1,1-TRICHLOROETHANE	1.054	1.206	1.034	1.037	1.05	1.178	1.125	1.01	1.071	1.042	1.02										1.075	6.1	0.061	1
CARBON TETRACHLORIDE	1.043	1.1	1.101	1.076	1.142	1.214	1.157	1.052	1.103	1.08	1.068										1.103	4.58	0.046	1
1,1-Dichloropropene	1.111	1.289	1.176	1.132	1.223	1.266	1.216	1.111	1.177	1.15	1.134										1.18	5.17	0.052	1
2,2,4-TRIMETHYLPENTANE	3.485	4.13	3.729	3.588	3.709	4.003	3.863	3.488	3.65	3.549											3.719	5.88	0.059	1
HEPTANE	1.358	1.511	1.522	1.428	1.656	1.678	1.728	1.583	1.655	1.647	1.636										1.582	7.23	0.072	1
BENZENE	3.132	3.521	3.198	3.11	3.319	3.404	3.337	3.051	3.233	3.16	3.115										3.235	4.48	0.045	1
1,2-DICHLOROETHANE	0.91	1.001	1.019	0.963	1.01	1.062	1.046	0.959	1.014	0.977	0.97										0.994	4.37	0.044	1
8260-1,4-DIFLUOROBENZENE																								
TRICHLOROETHENE	0.379	0.459	0.427	0.421	0.437	0.473	0.453	0.416	0.436	0.426	0.429										0.432	5.75	0.057	1
1,2-DICHLOROPROPANE	0.286	0.378	0.368	0.339	0.353	0.367	0.359	0.326	0.344	0.335	0.335										0.344	7.36	0.074	1
DIBROMOMETHANE	0.205	0.324	0.251	0.236	0.251	0.266	0.261	0.235	0.252	0.243	0.241										0.251	11.54	0.115	1
BROMODICHLOROMETHANE	0.505	0.664	0.624	0.576	0.584	0.631	0.612	0.561	0.587	0.58	0.58										0.591	7.04	0.07	1
a,a,a-Trifluorotoluene	0.56	0.561	0.554	0.56	0.543	0.555	0.554	0.538	0.542	0.532	0.521										0.547	2.39	0.024	1
2-CHLOROETHYL VINYL ETHER	0.174	0.185	0.184	0.178	0.189	0.199	0.195	0.183	0.195	0.192	0.196										0.188	4.24	0.042	1
CIS-1,3-DICHLOROPROPENE	0.736	0.775	0.766	0.712	0.763	0.799	0.785	0.724	0.76	0.747	0.746										0.756	3.41	0.034	1
4-METHYL-2-PENTANONE (MIBK)	0.181	0.18	0.158	0.158	0.162	0.173	0.174	0.159	0.172	0.165	0.163										0.168	5.11	0.051	1
TOLUENE-D8	1.299	1.274	1.282	1.286	1.284	1.295	1.285	1.284	1.275	1.278	1.247										1.281	1.05	0.01	1
TOLUENE	2.225	2.057	1.886	1.75	1.87	1.945	1.907	1.746	1.822	1.802	1.788										1.891	7.61	0.076	1
TRANS-1,3-DICHLOROPROPENE	0.132	0.145	0.144	0.141	0.152	0.163	0.161	0.151	0.164	0.162	0.169										0.153	7.68	0.077	1
8260-2-BROMO-1-CHLOROPROPANE																								
1,1,2-TRICHLOROETHANE	1.63	1.79	2.031	1.856	1.951	2.003	2.02	1.879	1.989	1.993	2.053										1.927	6.65	0.066	1
TETRACHLOROETHENE	1.577	1.801	1.792	1.644	1.79	1.905	1.852	1.712	1.825	1.841	1.972										1.792	6.3	0.063	1
1,3-Dichloropropane	4.365	4.186	3.923	3.728	3.742	3.791	3.857	3.563	3.743	3.747	3.834										3.862	5.88	0.059	1
2-HEXANONE	0.905	0.918	0.829	0.842	0.859	0.933	0.928	0.864	0.931	0.91	0.931										0.896	4.38	0.044	1
CHLORODIBROMOMETHANE	2.273	2.334	2.196	2.174	2.255	2.29	2.282	2.177	2.286	2.291	2.386										2.268	2.86	0.029	1
1,2-DIBROMOETHANE	2.216	2.223	2.109	1.933	2.018	2.053	2.071	1.931	2.022	2.015	2.073										2.06	4.64	0.046	1
CHLOROBENZENE	6.265	6.738	6.362	6.274	6.693	6.878	6.806	6.336	6.734	6.819	7.203										6.646	4.51	0.045	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 624	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: EPA	Released On	: 7/12/2014 5:42:54 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
1,1,1,2-TETRACHLOROETHANE	1.832	2.278	1.995	2.196	2.155	2.295	2.28	2.082	2.239	2.226	2.334										2.174	6.94	0.069	1
ETHYLBENZENE	3.256	3.556	3.655	3.473	3.614	3.801	3.791	3.541	3.76	3.823	4.099										3.67	6.03	0.06	1
M&P-XYLENE	3.884	4.428	4.04	4.217	4.439	4.695	4.645	4.314	4.586	4.675	4.912										4.44	6.91	0.069	1
O-XYLENE	4.98	4.42	4.539	4.393	4.358	4.51	4.51	4.142	4.432	4.472	4.694										4.495	4.67	0.047	1
STYRENE	6.241	6.391	6.304	6.354	6.798	7.224	7.287	6.748	7.212	7.267	7.728										6.869	7.34	0.073	1
Bromoform	1.088	1.33	1.29	1.301	1.394	1.436	1.473	1.347	1.473	1.467	1.536										1.376	9.06	0.091	1
Isopropylbenzene	9.53	11.26	10.46	10.54	11.05	11.97	11.77	10.87	11.48	11.53	11.97										11.13	6.69	0.067	1
4-BROMOFLUOROBENZENE	2.549	2.597	2.525	2.585	2.553	2.622	2.688	2.652	2.731	2.754	2.844										2.645	3.77	0.038	1
Bromobenzene	4.373	5.111	4.414	4.676	4.873	5.126	5.194	4.759	5.183	5.245	5.632										4.962	7.69	0.077	1
1,1,2,2-TETRACHLOROETHANE	2.308	3.056	2.376	2.656	2.64	2.826	2.81	2.534	2.777	2.756	2.846										2.689	8.11	0.081	1
1,2,3-TRICHLOROPROPANE	0.571	0.952	0.595	0.732	0.767	0.79	0.779	0.711	0.785	0.77	0.807										0.751	13.72	0.137	1
TRANS-1,4-DICHLORO-2-BUTENE	0.727	0.728	0.66	0.725	0.691	0.765	0.773	0.71	0.811	0.803	0.824										0.747	7	0.07	1
n-Propylbenzene	11.66	13.97	11.88	12.27	12.82	13.73	13.77	12.59	13.62	13.76	14.38										13.13	7.04	0.07	1
4-ETHYLTOLUENE	9.63	10.89	9.46	9.75	10.2	10.96	11.03	10.02	10.9	10.98	11.66										10.5	6.81	0.068	1
2-Chlorotoluene	2.511	2.825	2.572	2.477	2.532	2.751	2.73	2.509	2.729	2.777	2.998										2.674	6.18	0.062	1
4-Chlorotoluene	6.997	7.581	7.485	7.048	7.605	8.173	8.227	7.477	8.133	8.18	8.704										7.783	6.91	0.069	1
1,3,5-Trimethylbenzene	7.98	9.02	8.27	8.389999	8.95	9.65	9.71	8.93	9.67	9.74	10.46										9.16	8.24	0.082	1
tert-Butylbenzene	7.121	7.816	7.02	7.305	7.668	8.044	8.169	7.501	8.041	8.124	8.568										7.761	6.25	0.063	1
1,2,4-Trimethylbenzene	7.78	9.45	8.360001	8.389999	8.73	9.54	9.53	8.679999	9.43	9.57	10.11										9.049999	7.76	0.078	1
sec-Butylbenzene	10.88	12.28	11.07	11.31	11.85	12.81	12.85	11.8	12.53	12.64	13.17										12.11	6.42	0.064	1
1,3-DICHLOROBENZENE	4.015	4.955	4.313	4.376	4.556	4.879	4.935	4.466	4.931	4.975	5.381										4.707	8.34	0.083	1
p-Isopropyltoluene	8.37	9.599999	8.690001	8.88	9.4	10.15	10.45	9.53	10.31	10.51	11.17										9.73	8.93	0.089	1
DICYCLOPENTADIENE	8.53	11.1	10.47	10.56	11.05	12.15	12.38	11.21	12.17	12.17	12.7										11.32	10.61	0.106	1
8260-1,4-DICHLOROBENZENE-D4																								
1,4-DICHLOROBENZENE	1.944	2.049	1.912	1.823	1.948	1.977	1.931	1.756	1.862	1.839	1.906										1.904	4.24	0.042	1
1,2,3-TRIMETHYLBENZENE	4.317	4.374	3.923	3.692	3.908	3.924	3.847	3.529	3.633	3.598	3.631										3.852	7.31	0.073	1
1,2-DICHLOROBENZENE	1.53	1.803	1.737	1.723	1.805	1.82	1.779	1.618	1.681	1.656	1.675										1.711	5.27	0.053	1
n-Butylbenzene	3.157	4.094	3.509	3.365	3.665	3.811	3.691	3.344	3.415	3.408	3.361										3.529	7.5	0.075	1
1,2-Dibromo-3-chloropropane		0.184	0.192	0.196	0.205	0.212	0.208	0.188	0.2	0.192	0.185										0.196	4.96	0.05	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 624	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: EPA	Released On	: 7/12/2014 5:42:54 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
1,2,4-Trichlorobenzene	1.184	1.293	1.152	1.118	1.204	1.231	1.144	1.037	1.1	1.093	1.096										1.15	6.37	0.064	1
HEXACHLORO-1,3-BUTADIENE	0.516	0.651	0.65	0.648	0.671	0.687	0.647	0.594	0.6	0.61	0.616										0.626	7.49	0.075	1
Naphthalene	3.126	3.015	2.819	2.673	2.84	2.879	2.738	2.504	2.673	2.601	2.52										2.763	7.12	0.071	1
1,2,3-Trichlorobenzene	1.1	1.13	1.123	1.067	1.147	1.128	1.053	0.956	1.013	1.001	0.997										1.065	6.15	0.061	1
1-Methylnaphthalene	1.482	1.654	1.462	1.438	1.507	1.513	1.457	1.341	1.449	1.441	1.374										1.465	5.52	0.055	1
2-Methylnaphthalene	1.26	1.286	1.205	1.141	1.215	1.234	1.203	1.096	1.184	1.158	1.082										1.188	5.39	0.054	1
AP9-PENTAFLUOROBENZENE																								
METHANOL												0.007	0.006	0.007	0.007	0.008	0.007	0.007	0.006	0.009	0.007	9.67	0.097	1
Bromoethane												0.696	0.654	0.582	0.579	0.629	0.593	0.573	0.569	0.567	0.605	7.48	0.075	1
2-PROPANOL												0.054	0.046	0.041	0.043	0.045	0.042	0.043	0.037	0.048	0.044	10.79	0.108	1
Methyl Acetate												0.573	0.557	0.52	0.537	0.549	0.536	0.542	0.508	0.539	0.54	3.5	0.035	1
ACETONITRILE												0.085	0.076	0.072	0.076	0.076	0.079	0.08	0.073	0.084	0.078	5.86	0.059	1
ALLYL CHLORIDE												0.443	0.424	0.382	0.403	0.416	0.414	0.388	0.388	0.401	0.406	4.83	0.048	1
tert-BUTYL ALCOHOL												0.104	0.084	0.087	0.08	0.085	0.083	0.085	0.078	0.091	0.086	8.66	0.087	1
chloroprene												1.361	1.266	1.154	1.214	1.234	1.228	1.149	1.135	1.187	1.214	5.8	0.058	1
ETHYL TERT-BUTYL ETHER												2.567	2.468	2.216	2.342	2.415	2.455	2.282	2.274	2.333	2.372	4.73	0.047	1
PROPIONITRILE												0.102	0.097	0.093	0.096	0.098	0.096	0.102	0.093	0.1	0.098	3.42	0.034	1
Ethyl Acetate												0.621	0.623	0.593	0.608	0.617	0.607	0.617	0.572	0.601	0.606	2.69	0.027	1
METHACRYLONITRILE												0.295	0.291	0.272	0.286	0.294	0.291	0.291	0.275	0.285	0.287	2.81	0.028	1
Cyclohexane												1.143	1.097	0.963	1.012	1.064	1.026	0.964	0.963	0.989	1.025	6.31	0.063	1
tert-butyl formate												0.681	0.682	0.652	0.671	0.695	0.694	0.672	0.659	0.692	0.678	2.27	0.023	1
ISOBUTANOL												0.048	0.049	0.046	0.048	0.045	0.045	0.046	0.041	0.047	0.046	4.9	0.049	1
t-Amyl Alcohol												0.055	0.073	0.059	0.071	0.062	0.073	0.075	0.072	0.068	0.068	10.17	0.102	1
TERT-AMYL METHYL ETHER												2.262	2.203	1.961	2.049	2.111	2.14	2.004	1.975	2.052	2.084	4.96	0.05	1
AP9-1,4-DIFLUOROBENZENE																								
N-BUTANOL												0.014	0.014	0.014	0.014	0.015	0.014	0.015	0.014	0.015	0.014	4.51	0.045	1
Methyl Cyclohexane												1.165	0.888	0.738	0.739	0.76	0.726	0.705	0.699	0.721	0.793	18.95	0.999	0
2-nitropropane												0.134	0.127	0.124	0.128	0.132	0.126	0.133	0.121	0.129	0.128	3.18	0.032	1
METHYL METHACRYLATE												0.355	0.363	0.341	0.362	0.369	0.361	0.371	0.342	0.362	0.358	2.98	0.03	1
1,4-DIOXANE																					0	0	0	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 624	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: EPA	Released On	: 7/12/2014 5:42:54 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
n-octane												0.417	0.34	0.311	0.333	0.346	0.336	0.329	0.317	0.333	0.34	9.04	0.09	1
2,3-DIMETHYL-1-BUTANOL												0.046	0.041	0.038	0.04	0.043	0.042	0.044	0.041	0.043	0.042	5.76	0.058	1
SAP9-2-BROMO-1-CHLOROPROPANE																								
METHYL METHACRYLATE												2.85	2.951	2.715	2.868	2.965	3.023	2.954	2.801	2.93	2.895	3.3	0.033	1
CIS-1,4-DICHLORO-2-BUTENE												0.847	0.797	0.711	0.743	0.802	0.789	0.801	0.777	0.79	0.784	4.93	0.049	1
Cyclohexanone												0.612	0.539	0.422	0.482	0.521	0.523	0.508	0.373	0.456	0.493	14.19	0.142	1
PENTACHLOROETHANE												1.164	1.343	1.291	1.341	1.347	1.344	1.307	1.385	1.386	1.323	5.08	0.051	1
Hexachloroethane												1.839	1.93	1.684	1.791	1.88	1.913	1.804	1.786	1.815	1.827	4.12	0.041	1
SAP9-1,4-DICHLOROBENZENE-D4																								

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260SC	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SC	Released On	: 7/12/2014 5:43:28 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
8260-PENTAFLUOROBENZENE																								
TPH (GC/MS) LOW FRACTION																					0	0	0	1
PROPENE				0.227	0.243	0.256	0.231	0.212	0.221	0.216	0.208										0.227	7.17	0.072	1
DICHLORODIFLUOROMETHANE	0.62	0.549	0.6	0.636	0.682	0.75	0.717	0.641	0.673	0.643	0.636										0.65	8.43	0.084	1
CHLOROMETHANE	1.117	1.355	1.163	1.134	1.085	1.158	1.114	0.997	1.074	1.041	1.022										1.115	8.63	0.086	1
VINYL CHLORIDE	1.165	1.235	1.187	1.16	1.212	1.282	1.222	1.095	1.17	1.132	1.115										1.179	4.7	0.047	1
1,3-BUTADIENE		1.076	1.136	0.948	0.985	1.029	0.971	0.854	0.899	0.861	0.844										0.96	10.31	0.103	1
BROMOMETHANE	0.591	0.674	0.583	0.63	0.607	0.719	0.677	0.588	0.621	0.569	0.501										0.614	9.76	0.098	1
CHLOROETHANE		0.179	0.214	0.207	0.216	0.237	0.225	0.203	0.213	0.203	0.169										0.207	9.69	0.097	1
TRICHLOROFLUOROMETHANE	0.973	1.211	1.02	1.023	0.984	1.11	1.062	0.945	1	0.972	0.927										1.021	8.01	0.08	1
DICHLOROFLUOROMETHANE	1.171	1.698	1.402	1.493	1.449	1.637	1.55	1.377	1.488	1.44	1.382										1.462	9.62	0.096	1
ETHYL ETHER	0.696	0.781	0.727	0.736	0.743	0.771	0.762	0.692	0.745	0.715	0.699										0.733	4.21	0.042	1
ACROLEIN	0.161	0.158	0.119	0.125	0.123	0.127	0.125	0.115	0.126	0.121	0.12										0.129	12.01	0.12	1
1,1-DICHLOROETHENE	1.391	1.575	1.508	1.405	1.526	1.553	1.49	1.346	1.423	1.38	1.337										1.449	5.84	0.058	1
1,1,2-TRICHLOROTRIFLUOROETHANE	0.771	0.901	0.822	0.793	0.823	0.858	0.831	0.748	0.792	0.768	0.749										0.805	5.89	0.059	1
ACETONE				0.234	0.211	0.207	0.198	0.182	0.193	0.181	0.174										0.197	10.01	0.1	1
IODOMETHANE	1.219	1.46	1.396	1.392	1.413	1.517	1.464	1.327	1.397	1.347	1.254										1.381	6.46	0.065	1
CARBON DISULFIDE		4.284	3.586	3.28	3.293	3.495	3.304	2.97	3.17	3.087	2.996										3.346	11.49	0.115	1
METHYLENE CHLORIDE				1.235	1.027	0.981	0.901	0.808	0.856	0.84	0.823										0.934	15.43	0.154	1
ACRYLONITRILE	0.191	0.257	0.24	0.253	0.253	0.27	0.267	0.244	0.269	0.258	0.25										0.25	8.74	0.087	1
n-Hexane	0.911	1.078	0.838	0.823	0.826	0.878	0.843	0.774	0.812	0.797	0.791										0.852	9.93	0.099	1
TRANS-1,2-DICHLOROETHENE	0.752	0.985	0.814	0.8	0.819	0.876	0.831	0.761	0.812	0.796	0.788										0.821	7.77	0.078	1
METHYL TERT-BUTYL ETHER	2.17	2.297	2.088	2.174	2.188	2.331	2.266	2.043	2.218	2.128	2.125										2.184	4.05	0.04	1
1,1-DICHLOROETHANE	1.456	1.719	1.59	1.553	1.605	1.666	1.605	1.462	1.561	1.524	1.506										1.568	5.15	0.052	1
VINYL ACETATE	1.379	1.706	1.654	1.638	1.668	1.8	1.786	1.583	1.699	1.63	1.299										1.622	9.55	0.095	1
DI-ISOPROPYL ETHER	2.522	2.907	2.879	2.819	2.899	3.053	3.003	2.73	2.952	2.857	2.806										2.857	5.02	0.05	1
2,2-Dichloropropane	1.01	0.971	0.905	0.936	0.898	0.958	0.863	0.775	0.79	0.757	0.684										0.868	11.9	0.119	1
CIS-1,2-DICHLOROETHENE	0.731	0.795	0.867	0.807	0.86	0.906	0.872	0.798	0.854	0.833	0.832										0.832	5.74	0.057	1
2-BUTANONE (MEK)	0.302	0.319	0.319	0.315	0.32	0.336	0.335	0.314	0.334	0.316	0.309										0.32	3.43	0.034	1
BROMOCHLOROMETHANE	0.554	0.563	0.506	0.511	0.493	0.521	0.503	0.462	0.5	0.487	0.481										0.507	5.88	0.059	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260SC	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SC	Released On	: 7/12/2014 5:43:28 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
TETRAHYDROFURAN			0.316	0.265	0.241	0.253	0.24	0.22	0.236	0.223	0.218										0.246	12.42	0.124	1
CHLOROFORM				1.917	1.623	1.552	1.455	1.315	1.39	1.353	1.332										1.492	13.63	0.136	1
DIBROMOFLUOROMETHANE	0.554	0.557	0.55	0.562	0.557	0.572	0.574	0.571	0.592	0.585	0.586										0.569	2.53	0.025	1
1,1,1-TRICHLOROETHANE	1.054	1.206	1.034	1.037	1.05	1.178	1.125	1.01	1.071	1.042	1.02										1.075	6.1	0.061	1
CARBON TETRACHLORIDE	1.043	1.1	1.101	1.076	1.142	1.214	1.157	1.052	1.103	1.08	1.068										1.103	4.58	0.046	1
1,1-Dichloropropene	1.111	1.289	1.176	1.132	1.223	1.266	1.216	1.111	1.177	1.15	1.134										1.18	5.17	0.052	1
2,2,4-TRIMETHYLPENTANE	3.485	4.13	3.729	3.588	3.709	4.003	3.863	3.488	3.65	3.549											3.719	5.88	0.059	1
HEPTANE	1.358	1.511	1.522	1.428	1.656	1.678	1.728	1.583	1.655	1.647	1.636										1.582	7.23	0.072	1
BENZENE	3.132	3.521	3.198	3.11	3.319	3.404	3.337	3.051	3.233	3.16	3.115										3.235	4.48	0.045	1
1,2-DICHLOROETHANE	0.91	1.001	1.019	0.963	1.01	1.062	1.046	0.959	1.014	0.977	0.97										0.994	4.37	0.044	1
8260-1,4-DIFLUOROBENZENE																								
TRICHLOROETHENE	0.379	0.459	0.427	0.421	0.437	0.473	0.453	0.416	0.436	0.426	0.429										0.432	5.75	0.057	1
1,2-DICHLOROPROPANE	0.286	0.378	0.368	0.339	0.353	0.367	0.359	0.326	0.344	0.335	0.335										0.344	7.36	0.074	1
DIBROMOMETHANE	0.205	0.324	0.251	0.236	0.251	0.266	0.261	0.235	0.252	0.243	0.241										0.251	11.54	0.115	1
BROMODICHLOROMETHANE	0.505	0.664	0.624	0.576	0.584	0.631	0.612	0.561	0.587	0.58	0.58										0.591	7.04	0.07	1
a,a,a-Trifluorotoluene	0.56	0.561	0.554	0.56	0.543	0.555	0.554	0.538	0.542	0.532	0.521										0.547	2.39	0.024	1
2-CHLOROETHYL VINYL ETHER	0.174	0.185	0.184	0.178	0.189	0.199	0.195	0.183	0.195	0.192	0.196										0.188	4.24	0.042	1
CIS-1,3-DICHLOROPROPENE	0.736	0.775	0.766	0.712	0.763	0.799	0.785	0.724	0.76	0.747	0.746										0.756	3.41	0.034	1
4-METHYL-2-PENTANONE (MIBK)	0.181	0.18	0.158	0.158	0.162	0.173	0.174	0.159	0.172	0.165	0.163										0.168	5.11	0.051	1
TOLUENE-D8	1.299	1.274	1.282	1.286	1.284	1.295	1.285	1.284	1.275	1.278	1.247										1.281	1.05	0.01	1
TOLUENE	2.225	2.057	1.886	1.75	1.87	1.945	1.907	1.746	1.822	1.802	1.788										1.891	7.61	0.076	1
TRANS-1,3-DICHLOROPROPENE	0.132	0.145	0.144	0.141	0.152	0.163	0.161	0.151	0.164	0.162	0.169										0.153	7.68	0.077	1
8260-2-BROMO-1-CHLOROPROPANE																								
1,1,2-TRICHLOROETHANE	1.63	1.79	2.031	1.856	1.951	2.003	2.02	1.879	1.989	1.993	2.053										1.927	6.65	0.066	1
TETRACHLOROETHENE	1.577	1.801	1.792	1.644	1.79	1.905	1.852	1.712	1.825	1.841	1.972										1.792	6.3	0.063	1
1,3-Dichloropropane	4.365	4.186	3.923	3.728	3.742	3.791	3.857	3.563	3.743	3.747	3.834										3.862	5.88	0.059	1
2-HEXANONE	0.905	0.918	0.829	0.842	0.859	0.933	0.928	0.864	0.931	0.91	0.931										0.896	4.38	0.044	1
CHLORODIBROMOMETHANE	2.273	2.334	2.196	2.174	2.255	2.29	2.282	2.177	2.286	2.291	2.386										2.268	2.86	0.029	1
1,2-DIBROMOETHANE	2.216	2.223	2.109	1.933	2.018	2.053	2.071	1.931	2.022	2.015	2.073										2.06	4.64	0.046	1
CHLOROBENZENE	6.265	6.738	6.362	6.274	6.693	6.878	6.806	6.336	6.734	6.819	7.203										6.646	4.51	0.045	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260SC	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SC	Released On	: 7/12/2014 5:43:28 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
1,1,1,2-TETRACHLOROETHANE	1.832	2.278	1.995	2.196	2.155	2.295	2.28	2.082	2.239	2.226	2.334										2.174	6.94	0.069	1
ETHYLBENZENE	3.256	3.556	3.655	3.473	3.614	3.801	3.791	3.541	3.76	3.823	4.099										3.67	6.03	0.06	1
M&P-XYLENE	3.884	4.428	4.04	4.217	4.439	4.695	4.645	4.314	4.586	4.675	4.912										4.44	6.91	0.069	1
O-XYLENE	4.98	4.42	4.539	4.393	4.358	4.51	4.51	4.142	4.432	4.472	4.694										4.495	4.67	0.047	1
STYRENE	6.241	6.391	6.304	6.354	6.798	7.224	7.287	6.748	7.212	7.267	7.728										6.869	7.34	0.073	1
Bromoform	1.088	1.33	1.29	1.301	1.394	1.436	1.473	1.347	1.473	1.467	1.536										1.376	9.06	0.091	1
Isopropylbenzene	9.53	11.26	10.46	10.54	11.05	11.97	11.77	10.87	11.48	11.53	11.97										11.13	6.69	0.067	1
4-BROMOFLUOROBENZENE	2.549	2.597	2.525	2.585	2.553	2.622	2.688	2.652	2.731	2.754	2.844										2.645	3.77	0.038	1
Bromobenzene	4.373	5.111	4.414	4.676	4.873	5.126	5.194	4.759	5.183	5.245	5.632										4.962	7.69	0.077	1
1,1,2,2-TETRACHLOROETHANE	2.308	3.056	2.376	2.656	2.64	2.826	2.81	2.534	2.777	2.756	2.846										2.689	8.11	0.081	1
1,2,3-TRICHLOROPROPANE	0.571	0.952	0.595	0.732	0.767	0.79	0.779	0.711	0.785	0.77	0.807										0.751	13.72	0.137	1
TRANS-1,4-DICHLORO-2-BUTENE	0.727	0.728	0.66	0.725	0.691	0.765	0.773	0.71	0.811	0.803	0.824										0.747	7	0.07	1
n-Propylbenzene	11.66	13.97	11.88	12.27	12.82	13.73	13.77	12.59	13.62	13.76	14.38										13.13	7.04	0.07	1
4-ETHYLTOLUENE	9.63	10.89	9.46	9.75	10.2	10.96	11.03	10.02	10.9	10.98	11.66										10.5	6.81	0.068	1
2-Chlorotoluene	2.511	2.825	2.572	2.477	2.532	2.751	2.73	2.509	2.729	2.777	2.998										2.674	6.18	0.062	1
4-Chlorotoluene	6.997	7.581	7.485	7.048	7.605	8.173	8.227	7.477	8.133	8.18	8.704										7.783	6.91	0.069	1
1,3,5-Trimethylbenzene	7.98	9.02	8.27	8.389999	8.95	9.65	9.71	8.93	9.67	9.74	10.46										9.16	8.24	0.082	1
tert-Butylbenzene	7.121	7.816	7.02	7.305	7.668	8.044	8.169	7.501	8.041	8.124	8.568										7.761	6.25	0.063	1
1,2,4-Trimethylbenzene	7.78	9.45	8.360001	8.389999	8.73	9.54	9.53	8.679999	9.43	9.57	10.11										9.049999	7.76	0.078	1
sec-Butylbenzene	10.88	12.28	11.07	11.31	11.85	12.81	12.85	11.8	12.53	12.64	13.17										12.11	6.42	0.064	1
1,3-DICHLOROBENZENE	4.015	4.955	4.313	4.376	4.556	4.879	4.935	4.466	4.931	4.975	5.381										4.707	8.34	0.083	1
p-Isopropyltoluene	8.37	9.599999	8.690001	8.88	9.4	10.15	10.45	9.53	10.31	10.51	11.17										9.73	8.93	0.089	1
DICYCLOPENTADIENE	8.53	11.1	10.47	10.56	11.05	12.15	12.38	11.21	12.17	12.17	12.7										11.32	10.61	0.106	1
8260-1,4-DICHLOROBENZENE-D4																								
1,4-DICHLOROBENZENE	1.944	2.049	1.912	1.823	1.948	1.977	1.931	1.756	1.862	1.839	1.906										1.904	4.24	0.042	1
1,2,3-TRIMETHYLBENZENE	4.317	4.374	3.923	3.692	3.908	3.924	3.847	3.529	3.633	3.598	3.631										3.852	7.31	0.073	1
1,2-DICHLOROBENZENE	1.53	1.803	1.737	1.723	1.805	1.82	1.779	1.618	1.681	1.656	1.675										1.711	5.27	0.053	1
n-Butylbenzene	3.157	4.094	3.509	3.365	3.665	3.811	3.691	3.344	3.415	3.408	3.361										3.529	7.5	0.075	1
1,2-Dibromo-3-chloropropane		0.184	0.192	0.196	0.205	0.212	0.208	0.188	0.2	0.192	0.185										0.196	4.96	0.05	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260SC	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SC	Released On	: 7/12/2014 5:43:28 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
1,2,4-Trichlorobenzene	1.184	1.293	1.152	1.118	1.204	1.231	1.144	1.037	1.1	1.093	1.096										1.15	6.37	0.064	1
HEXACHLORO-1,3-BUTADIENE	0.516	0.651	0.65	0.648	0.671	0.687	0.647	0.594	0.6	0.61	0.616										0.626	7.49	0.075	1
Naphthalene	3.126	3.015	2.819	2.673	2.84	2.879	2.738	2.504	2.673	2.601	2.52										2.763	7.12	0.071	1
1,2,3-Trichlorobenzene	1.1	1.13	1.123	1.067	1.147	1.128	1.053	0.956	1.013	1.001	0.997										1.065	6.15	0.061	1
1-Methylnaphthalene	1.482	1.654	1.462	1.438	1.507	1.513	1.457	1.341	1.449	1.441	1.374										1.465	5.52	0.055	1
2-Methylnaphthalene	1.26	1.286	1.205	1.141	1.215	1.234	1.203	1.096	1.184	1.158	1.082										1.188	5.39	0.054	1
AP9-PENTAFLUOROBENZENE																								
METHANOL												0.007	0.006	0.007	0.007	0.008	0.007	0.007	0.006	0.009	0.007	9.67	0.097	1
Bromoethane												0.696	0.654	0.582	0.579	0.629	0.593	0.573	0.569	0.567	0.605	7.48	0.075	1
2-PROPANOL												0.054	0.046	0.041	0.043	0.045	0.042	0.043	0.037	0.048	0.044	10.79	0.108	1
Methyl Acetate												0.573	0.557	0.52	0.537	0.549	0.536	0.542	0.508	0.539	0.54	3.5	0.035	1
ACETONITRILE												0.085	0.076	0.072	0.076	0.076	0.079	0.08	0.073	0.084	0.078	5.86	0.059	1
ALLYL CHLORIDE												0.443	0.424	0.382	0.403	0.416	0.414	0.388	0.388	0.401	0.406	4.83	0.048	1
tert-BUTYL ALCOHOL												0.104	0.084	0.087	0.08	0.085	0.083	0.085	0.078	0.091	0.086	8.66	0.087	1
chloroprene												1.361	1.266	1.154	1.214	1.234	1.228	1.149	1.135	1.187	1.214	5.8	0.058	1
ETHYL TERT-BUTYL ETHER												2.567	2.468	2.216	2.342	2.415	2.455	2.282	2.274	2.333	2.372	4.73	0.047	1
PROPIONITRILE												0.102	0.097	0.093	0.096	0.098	0.096	0.102	0.093	0.1	0.098	3.42	0.034	1
Ethyl Acetate												0.621	0.623	0.593	0.608	0.617	0.607	0.617	0.572	0.601	0.606	2.69	0.027	1
METHACRYLONITRILE												0.295	0.291	0.272	0.286	0.294	0.291	0.291	0.275	0.285	0.287	2.81	0.028	1
Cyclohexane												1.143	1.097	0.963	1.012	1.064	1.026	0.964	0.963	0.989	1.025	6.31	0.063	1
tert-butyl formate												0.681	0.682	0.652	0.671	0.695	0.694	0.672	0.659	0.692	0.678	2.27	0.023	1
ISOBUTANOL												0.048	0.049	0.046	0.048	0.045	0.045	0.046	0.041	0.047	0.046	4.9	0.049	1
t-Amyl Alcohol												0.055	0.073	0.059	0.071	0.062	0.073	0.075	0.072	0.068	0.068	10.17	0.102	1
TERT-AMYL METHYL ETHER												2.262	2.203	1.961	2.049	2.111	2.14	2.004	1.975	2.052	2.084	4.96	0.05	1
AP9-1,4-DIFLUOROBENZENE																								
N-BUTANOL												0.014	0.014	0.014	0.014	0.015	0.014	0.015	0.014	0.015	0.014	4.51	0.045	1
Methyl Cyclohexane												1.165	0.888	0.738	0.739	0.76	0.726	0.705	0.699	0.721	0.793	18.95	0.999	0
2-nitropropane												0.134	0.127	0.124	0.128	0.132	0.126	0.133	0.121	0.129	0.128	3.18	0.032	1
METHYL METHACRYLATE												0.355	0.363	0.341	0.362	0.369	0.361	0.371	0.342	0.362	0.358	2.98	0.03	1
1,4-DIOXANE																					0	0	0	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260SC	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SC	Released On	: 7/12/2014 5:43:28 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
n-octane												0.417	0.34	0.311	0.333	0.346	0.336	0.329	0.317	0.333	0.34	9.04	0.09	1
3,3-DIMETHYL-1-BUTANOL												0.046	0.041	0.038	0.04	0.043	0.042	0.044	0.041	0.043	0.042	5.76	0.058	1
SAP9-2-BROMO-1-CHLOROPROPANE																								
ETHYL METHACRYLATE												2.85	2.951	2.715	2.868	2.965	3.023	2.954	2.801	2.93	2.895	3.3	0.033	1
CIS-1,4-DICHLORO-2-BUTENE												0.847	0.797	0.711	0.743	0.802	0.789	0.801	0.777	0.79	0.784	4.93	0.049	1
Cyclohexanone												0.612	0.539	0.422	0.482	0.521	0.523	0.508	0.373	0.456	0.493	14.19	0.142	1
PENTACHLOROETHANE												1.164	1.343	1.291	1.341	1.347	1.344	1.307	1.385	1.386	1.323	5.08	0.051	1
Hexachloroethane												1.839	1.93	1.684	1.791	1.88	1.913	1.804	1.786	1.815	1.827	4.12	0.041	1
SAP9-1,4-DICHLOROBENZENE-D4																								

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 6200	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SM 20th	Released On	: 7/12/2014 5:44:04 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
8260-PENTAFLUOROBENZENE																								
TPH (GC/MS) LOW FRACTION																					0	0	0	1
PROPENE				0.227	0.243	0.256	0.231	0.212	0.221	0.216	0.208										0.227	7.17	0.072	1
DICHLORODIFLUOROMETHANE	0.62	0.549	0.6	0.636	0.682	0.75	0.717	0.641	0.673	0.643	0.636										0.65	8.43	0.084	1
CHLOROMETHANE	1.117	1.355	1.163	1.134	1.085	1.158	1.114	0.997	1.074	1.041	1.022										1.115	8.63	0.086	1
VINYL CHLORIDE	1.165	1.235	1.187	1.16	1.212	1.282	1.222	1.095	1.17	1.132	1.115										1.179	4.7	0.047	1
1,3-BUTADIENE		1.076	1.136	0.948	0.985	1.029	0.971	0.854	0.899	0.861	0.844										0.96	10.31	0.103	1
BROMOMETHANE	0.591	0.674	0.583	0.63	0.607	0.719	0.677	0.588	0.621	0.569	0.501										0.614	9.76	0.098	1
CHLOROETHANE		0.179	0.214	0.207	0.216	0.237	0.225	0.203	0.213	0.203	0.169										0.207	9.69	0.097	1
TRICHLOROFLUOROMETHANE	0.973	1.211	1.02	1.023	0.984	1.11	1.062	0.945	1	0.972	0.927										1.021	8.01	0.08	1
DICHLOROFLUOROMETHANE	1.171	1.698	1.402	1.493	1.449	1.637	1.55	1.377	1.488	1.44	1.382										1.462	9.62	0.096	1
ETHYL ETHER	0.696	0.781	0.727	0.736	0.743	0.771	0.762	0.692	0.745	0.715	0.699										0.733	4.21	0.042	1
ACROLEIN	0.161	0.158	0.119	0.125	0.123	0.127	0.125	0.115	0.126	0.121	0.12										0.129	12.01	0.12	1
1,1-DICHLOROETHENE	1.391	1.575	1.508	1.405	1.526	1.553	1.49	1.346	1.423	1.38	1.337										1.449	5.84	0.058	1
1,1,2-TRICHLOROTRIFLUOROETHANE	0.771	0.901	0.822	0.793	0.823	0.858	0.831	0.748	0.792	0.768	0.749										0.805	5.89	0.059	1
ACETONE				0.234	0.211	0.207	0.198	0.182	0.193	0.181	0.174										0.197	10.01	0.1	1
IODOMETHANE	1.219	1.46	1.396	1.392	1.413	1.517	1.464	1.327	1.397	1.347	1.254										1.381	6.46	0.065	1
CARBON DISULFIDE		4.284	3.586	3.28	3.293	3.495	3.304	2.97	3.17	3.087	2.996										3.346	11.49	0.115	1
METHYLENE CHLORIDE				1.235	1.027	0.981	0.901	0.808	0.856	0.84	0.823										0.934	15.43	0.154	1
ACRYLONITRILE	0.191	0.257	0.24	0.253	0.253	0.27	0.267	0.244	0.269	0.258	0.25										0.25	8.74	0.087	1
n-Hexane	0.911	1.078	0.838	0.823	0.826	0.878	0.843	0.774	0.812	0.797	0.791										0.852	9.93	0.099	1
TRANS-1,2-DICHLOROETHENE	0.752	0.985	0.814	0.8	0.819	0.876	0.831	0.761	0.812	0.796	0.788										0.821	7.77	0.078	1
METHYL TERT-BUTYL ETHER	2.17	2.297	2.088	2.174	2.188	2.331	2.266	2.043	2.218	2.128	2.125										2.184	4.05	0.04	1
1,1-DICHLOROETHANE	1.456	1.719	1.59	1.553	1.605	1.666	1.605	1.462	1.561	1.524	1.506										1.568	5.15	0.052	1
VINYL ACETATE	1.379	1.706	1.654	1.638	1.668	1.8	1.786	1.583	1.699	1.63	1.299										1.622	9.55	0.095	1
DI-ISOPROPYL ETHER	2.522	2.907	2.879	2.819	2.899	3.053	3.003	2.73	2.952	2.857	2.806										2.857	5.02	0.05	1
2,2-Dichloropropane	1.01	0.971	0.905	0.936	0.898	0.958	0.863	0.775	0.79	0.757	0.684										0.868	11.9	0.119	1
CIS-1,2-DICHLOROETHENE	0.731	0.795	0.867	0.807	0.86	0.906	0.872	0.798	0.854	0.833	0.832										0.832	5.74	0.057	1
2-BUTANONE (MEK)	0.302	0.319	0.319	0.315	0.32	0.336	0.335	0.314	0.334	0.316	0.309										0.32	3.43	0.034	1
BROMOCHLOROMETHANE	0.554	0.563	0.506	0.511	0.493	0.521	0.503	0.462	0.5	0.487	0.481										0.507	5.88	0.059	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 6200	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SM 20th	Released On	: 7/12/2014 5:44:04 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
TETRAHYDROFURAN			0.316	0.265	0.241	0.253	0.24	0.22	0.236	0.223	0.218										0.246	12.42	0.124	1
CHLOROFORM				1.917	1.623	1.552	1.455	1.315	1.39	1.353	1.332										1.492	13.63	0.136	1
DIBROMOFLUOROMETHANE	0.554	0.557	0.55	0.562	0.557	0.572	0.574	0.571	0.592	0.585	0.586										0.569	2.53	0.025	1
1,1,1-TRICHLOROETHANE	1.054	1.206	1.034	1.037	1.05	1.178	1.125	1.01	1.071	1.042	1.02										1.075	6.1	0.061	1
CARBON TETRACHLORIDE	1.043	1.1	1.101	1.076	1.142	1.214	1.157	1.052	1.103	1.08	1.068										1.103	4.58	0.046	1
1,1-Dichloropropene	1.111	1.289	1.176	1.132	1.223	1.266	1.216	1.111	1.177	1.15	1.134										1.18	5.17	0.052	1
2,2,4-TRIMETHYLPENTANE	3.485	4.13	3.729	3.588	3.709	4.003	3.863	3.488	3.65	3.549											3.719	5.88	0.059	1
HEPTANE	1.358	1.511	1.522	1.428	1.656	1.678	1.728	1.583	1.655	1.647	1.636										1.582	7.23	0.072	1
BENZENE	3.132	3.521	3.198	3.11	3.319	3.404	3.337	3.051	3.233	3.16	3.115										3.235	4.48	0.045	1
1,2-DICHLOROETHANE	0.91	1.001	1.019	0.963	1.01	1.062	1.046	0.959	1.014	0.977	0.97										0.994	4.37	0.044	1
8260-1,4-DIFLUOROBENZENE																								
TRICHLOROETHENE	0.379	0.459	0.427	0.421	0.437	0.473	0.453	0.416	0.436	0.426	0.429										0.432	5.75	0.057	1
1,2-DICHLOROPROPANE	0.286	0.378	0.368	0.339	0.353	0.367	0.359	0.326	0.344	0.335	0.335										0.344	7.36	0.074	1
DIBROMOMETHANE	0.205	0.324	0.251	0.236	0.251	0.266	0.261	0.235	0.252	0.243	0.241										0.251	11.54	0.115	1
BROMODICHLOROMETHANE	0.505	0.664	0.624	0.576	0.584	0.631	0.612	0.561	0.587	0.58	0.58										0.591	7.04	0.07	1
a,a,a-Trifluorotoluene	0.56	0.561	0.554	0.56	0.543	0.555	0.554	0.538	0.542	0.532	0.521										0.547	2.39	0.024	1
2-CHLOROETHYL VINYL ETHER	0.174	0.185	0.184	0.178	0.189	0.199	0.195	0.183	0.195	0.192	0.196										0.188	4.24	0.042	1
CIS-1,3-DICHLOROPROPENE	0.736	0.775	0.766	0.712	0.763	0.799	0.785	0.724	0.76	0.747	0.746										0.756	3.41	0.034	1
4-METHYL-2-PENTANONE (MIBK)	0.181	0.18	0.158	0.158	0.162	0.173	0.174	0.159	0.172	0.165	0.163										0.168	5.11	0.051	1
TOLUENE-D8	1.299	1.274	1.282	1.286	1.284	1.295	1.285	1.284	1.275	1.278	1.247										1.281	1.05	0.01	1
TOLUENE	2.225	2.057	1.886	1.75	1.87	1.945	1.907	1.746	1.822	1.802	1.788										1.891	7.61	0.076	1
TRANS-1,3-DICHLOROPROPENE	0.132	0.145	0.144	0.141	0.152	0.163	0.161	0.151	0.164	0.162	0.169										0.153	7.68	0.077	1
8260-2-BROMO-1-CHLOROPROPANE																								
1,1,2-TRICHLOROETHANE	1.63	1.79	2.031	1.856	1.951	2.003	2.02	1.879	1.989	1.993	2.053										1.927	6.65	0.066	1
TETRACHLOROETHENE	1.577	1.801	1.792	1.644	1.79	1.905	1.852	1.712	1.825	1.841	1.972										1.792	6.3	0.063	1
1,3-Dichloropropane	4.365	4.186	3.923	3.728	3.742	3.791	3.857	3.563	3.743	3.747	3.834										3.862	5.88	0.059	1
2-HEXANONE	0.905	0.918	0.829	0.842	0.859	0.933	0.928	0.864	0.931	0.91	0.931										0.896	4.38	0.044	1
CHLORODIBROMOMETHANE	2.273	2.334	2.196	2.174	2.255	2.29	2.282	2.177	2.286	2.291	2.386										2.268	2.86	0.029	1
1,2-DIBROMOETHANE	2.216	2.223	2.109	1.933	2.018	2.053	2.071	1.931	2.022	2.015	2.073										2.06	4.64	0.046	1
CHLOROBENZENE	6.265	6.738	6.362	6.274	6.693	6.878	6.806	6.336	6.734	6.819	7.203										6.646	4.51	0.045	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 6200	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SM 20th	Released On	: 7/12/2014 5:44:04 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
1,1,1,2-TETRACHLOROETHANE	1.832	2.278	1.995	2.196	2.155	2.295	2.28	2.082	2.239	2.226	2.334										2.174	6.94	0.069	1
ETHYLBENZENE	3.256	3.556	3.655	3.473	3.614	3.801	3.791	3.541	3.76	3.823	4.099										3.67	6.03	0.06	1
M&P-XYLENE	3.884	4.428	4.04	4.217	4.439	4.695	4.645	4.314	4.586	4.675	4.912										4.44	6.91	0.069	1
O-XYLENE	4.98	4.42	4.539	4.393	4.358	4.51	4.51	4.142	4.432	4.472	4.694										4.495	4.67	0.047	1
STYRENE	6.241	6.391	6.304	6.354	6.798	7.224	7.287	6.748	7.212	7.267	7.728										6.869	7.34	0.073	1
Bromoform	1.088	1.33	1.29	1.301	1.394	1.436	1.473	1.347	1.473	1.467	1.536										1.376	9.06	0.091	1
Isopropylbenzene	9.53	11.26	10.46	10.54	11.05	11.97	11.77	10.87	11.48	11.53	11.97										11.13	6.69	0.067	1
4-BROMOFLUOROBENZENE	2.549	2.597	2.525	2.585	2.553	2.622	2.688	2.652	2.731	2.754	2.844										2.645	3.77	0.038	1
Bromobenzene	4.373	5.111	4.414	4.676	4.873	5.126	5.194	4.759	5.183	5.245	5.632										4.962	7.69	0.077	1
1,1,2,2-TETRACHLOROETHANE	2.308	3.056	2.376	2.656	2.64	2.826	2.81	2.534	2.777	2.756	2.846										2.689	8.11	0.081	1
1,2,3-TRICHLOROPROPANE	0.571	0.952	0.595	0.732	0.767	0.79	0.779	0.711	0.785	0.77	0.807										0.751	13.72	0.137	1
TRANS-1,4-DICHLORO-2-BUTENE	0.727	0.728	0.66	0.725	0.691	0.765	0.773	0.71	0.811	0.803	0.824										0.747	7	0.07	1
n-Propylbenzene	11.66	13.97	11.88	12.27	12.82	13.73	13.77	12.59	13.62	13.76	14.38										13.13	7.04	0.07	1
4-ETHYLTOLUENE	9.63	10.89	9.46	9.75	10.2	10.96	11.03	10.02	10.9	10.98	11.66										10.5	6.81	0.068	1
2-Chlorotoluene	2.511	2.825	2.572	2.477	2.532	2.751	2.73	2.509	2.729	2.777	2.998										2.674	6.18	0.062	1
4-Chlorotoluene	6.997	7.581	7.485	7.048	7.605	8.173	8.227	7.477	8.133	8.18	8.704										7.783	6.91	0.069	1
1,3,5-Trimethylbenzene	7.98	9.02	8.27	8.389999	8.95	9.65	9.71	8.93	9.67	9.74	10.46										9.16	8.24	0.082	1
tert-Butylbenzene	7.121	7.816	7.02	7.305	7.668	8.044	8.169	7.501	8.041	8.124	8.568										7.761	6.25	0.063	1
1,2,4-Trimethylbenzene	7.78	9.45	8.360001	8.389999	8.73	9.54	9.53	8.679999	9.43	9.57	10.11										9.049999	7.76	0.078	1
sec-Butylbenzene	10.88	12.28	11.07	11.31	11.85	12.81	12.85	11.8	12.53	12.64	13.17										12.11	6.42	0.064	1
1,3-DICHLOROBENZENE	4.015	4.955	4.313	4.376	4.556	4.879	4.935	4.466	4.931	4.975	5.381										4.707	8.34	0.083	1
p-Isopropyltoluene	8.37	9.599999	8.690001	8.88	9.4	10.15	10.45	9.53	10.31	10.51	11.17										9.73	8.93	0.089	1
DICYCLOPENTADIENE	8.53	11.1	10.47	10.56	11.05	12.15	12.38	11.21	12.17	12.17	12.7										11.32	10.61	0.106	1
8260-1,4-DICHLOROBENZENE-D4																								
1,4-DICHLOROBENZENE	1.944	2.049	1.912	1.823	1.948	1.977	1.931	1.756	1.862	1.839	1.906										1.904	4.24	0.042	1
1,2,3-TRIMETHYLBENZENE	4.317	4.374	3.923	3.692	3.908	3.924	3.847	3.529	3.633	3.598	3.631										3.852	7.31	0.073	1
1,2-DICHLOROBENZENE	1.53	1.803	1.737	1.723	1.805	1.82	1.779	1.618	1.681	1.656	1.675										1.711	5.27	0.053	1
n-Butylbenzene	3.157	4.094	3.509	3.365	3.665	3.811	3.691	3.344	3.415	3.408	3.361										3.529	7.5	0.075	1
1,2-Dibromo-3-chloropropane		0.184	0.192	0.196	0.205	0.212	0.208	0.188	0.2	0.192	0.185										0.196	4.96	0.05	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 6200	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SM 20th	Released On	: 7/12/2014 5:44:04 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
1,2,4-Trichlorobenzene	1.184	1.293	1.152	1.118	1.204	1.231	1.144	1.037	1.1	1.093	1.096										1.15	6.37	0.064	1
HEXACHLORO-1,3-BUTADIENE	0.516	0.651	0.65	0.648	0.671	0.687	0.647	0.594	0.6	0.61	0.616										0.626	7.49	0.075	1
Naphthalene	3.126	3.015	2.819	2.673	2.84	2.879	2.738	2.504	2.673	2.601	2.52										2.763	7.12	0.071	1
1,2,3-Trichlorobenzene	1.1	1.13	1.123	1.067	1.147	1.128	1.053	0.956	1.013	1.001	0.997										1.065	6.15	0.061	1
1-Methylnaphthalene	1.482	1.654	1.462	1.438	1.507	1.513	1.457	1.341	1.449	1.441	1.374										1.465	5.52	0.055	1
2-Methylnaphthalene	1.26	1.286	1.205	1.141	1.215	1.234	1.203	1.096	1.184	1.158	1.082										1.188	5.39	0.054	1
AP9-PENTAFLUOROBENZENE																								
METHANOL												0.007	0.006	0.007	0.007	0.008	0.007	0.007	0.006	0.009	0.007	9.67	0.097	1
Bromoethane												0.696	0.654	0.582	0.579	0.629	0.593	0.573	0.569	0.567	0.605	7.48	0.075	1
2-PROPANOL												0.054	0.046	0.041	0.043	0.045	0.042	0.043	0.037	0.048	0.044	10.79	0.108	1
Methyl Acetate												0.573	0.557	0.52	0.537	0.549	0.536	0.542	0.508	0.539	0.54	3.5	0.035	1
ACETONITRILE												0.085	0.076	0.072	0.076	0.076	0.079	0.08	0.073	0.084	0.078	5.86	0.059	1
ALLYL CHLORIDE												0.443	0.424	0.382	0.403	0.416	0.414	0.388	0.388	0.401	0.406	4.83	0.048	1
tert-BUTYL ALCOHOL												0.104	0.084	0.087	0.08	0.085	0.083	0.085	0.078	0.091	0.086	8.66	0.087	1
chloroprene												1.361	1.266	1.154	1.214	1.234	1.228	1.149	1.135	1.187	1.214	5.8	0.058	1
ETHYL TERT-BUTYL ETHER												2.567	2.468	2.216	2.342	2.415	2.455	2.282	2.274	2.333	2.372	4.73	0.047	1
PROPIONITRILE												0.102	0.097	0.093	0.096	0.098	0.096	0.102	0.093	0.1	0.098	3.42	0.034	1
Ethyl Acetate												0.621	0.623	0.593	0.608	0.617	0.607	0.617	0.572	0.601	0.606	2.69	0.027	1
METHACRYLONITRILE												0.295	0.291	0.272	0.286	0.294	0.291	0.291	0.275	0.285	0.287	2.81	0.028	1
Cyclohexane												1.143	1.097	0.963	1.012	1.064	1.026	0.964	0.963	0.989	1.025	6.31	0.063	1
tert-butyl formate												0.681	0.682	0.652	0.671	0.695	0.694	0.672	0.659	0.692	0.678	2.27	0.023	1
ISOBUTANOL												0.048	0.049	0.046	0.048	0.045	0.045	0.046	0.041	0.047	0.046	4.9	0.049	1
t-Amyl Alcohol												0.055	0.073	0.059	0.071	0.062	0.073	0.075	0.072	0.068	0.068	10.17	0.102	1
TERT-AMYL METHYL ETHER												2.262	2.203	1.961	2.049	2.111	2.14	2.004	1.975	2.052	2.084	4.96	0.05	1
AP9-1,4-DIFLUOROBENZENE																								
N-BUTANOL												0.014	0.014	0.014	0.014	0.015	0.014	0.015	0.014	0.015	0.014	4.51	0.045	1
Methyl Cyclohexane												1.165	0.888	0.738	0.739	0.76	0.726	0.705	0.699	0.721	0.793	18.95	0.999	0
2-nitropropane												0.134	0.127	0.124	0.128	0.132	0.126	0.133	0.121	0.129	0.128	3.18	0.032	1
METHYL METHACRYLATE												0.355	0.363	0.341	0.362	0.369	0.361	0.371	0.342	0.362	0.358	2.98	0.03	1
1,4-DIOXANE																					0	0	0	1

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 6200	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SM 20th	Released On	: 7/12/2014 5:44:04 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur
n-octane												0.417	0.34	0.311	0.333	0.346	0.336	0.329	0.317	0.333	0.34	9.04	0.09	1
3,3-DIMETHYL-1-BUTANOL												0.046	0.041	0.038	0.04	0.043	0.042	0.044	0.041	0.043	0.042	5.76	0.058	1
SAP9-2-BROMO-1-CHLOROPROPANE																								
ETHYL METHACRYLATE												2.85	2.951	2.715	2.868	2.965	3.023	2.954	2.801	2.93	2.895	3.3	0.033	1
CIS-1,4-DICHLORO-2-BUTENE												0.847	0.797	0.711	0.743	0.802	0.789	0.801	0.777	0.79	0.784	4.93	0.049	1
Cyclohexanone												0.612	0.539	0.422	0.482	0.521	0.523	0.508	0.373	0.456	0.493	14.19	0.142	1
PENTACHLOROETHANE												1.164	1.343	1.291	1.341	1.347	1.344	1.307	1.385	1.386	1.323	5.08	0.051	1
Hexachloroethane												1.839	1.93	1.684	1.791	1.88	1.913	1.804	1.786	1.815	1.827	4.12	0.041	1
SAP9-1,4-DICHLOROBENZENE-D4																								

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260C	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SW846	Released On	: 7/12/2014 5:44:39 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur	RF
8260-PENTAFLUOROBENZENE																									
TPH (GC/MS) LOW FRACTION																					0	0	0	1	
PROPENE				0.227	0.243	0.256	0.231	0.212	0.221	0.216	0.208										0.227	7.17	0.072	1	
DICHLORODIFLUOROMETHANE	0.62	0.549	0.6	0.636	0.682	0.75	0.717	0.641	0.673	0.643	0.636										0.65	8.43	0.084	1	0.1
CHLOROMETHANE	1.117	1.355	1.163	1.134	1.085	1.158	1.114	0.997	1.074	1.041	1.022										1.115	8.63	0.086	1	0.1
VINYL CHLORIDE	1.165	1.235	1.187	1.16	1.212	1.282	1.222	1.095	1.17	1.132	1.115										1.179	4.7	0.047	1	0.1
1,3-BUTADIENE		1.076	1.136	0.948	0.985	1.029	0.971	0.854	0.899	0.861	0.844										0.96	10.31	0.103	1	
BROMOMETHANE	0.591	0.674	0.583	0.63	0.607	0.719	0.677	0.588	0.621	0.569	0.501										0.614	9.76	0.098	1	0.1
CHLOROETHANE		0.179	0.214	0.207	0.216	0.237	0.225	0.203	0.213	0.203	0.169										0.207	9.69	0.097	1	0.1
TRICHLOROFLUOROMETHANE	0.973	1.211	1.02	1.023	0.984	1.11	1.062	0.945	1	0.972	0.927										1.021	8.01	0.08	1	0.1
DICHLOROFLUOROMETHANE	1.171	1.698	1.402	1.493	1.449	1.637	1.55	1.377	1.488	1.44	1.382										1.462	9.62	0.096	1	
ETHYL ETHER	0.696	0.781	0.727	0.736	0.743	0.771	0.762	0.692	0.745	0.715	0.699										0.733	4.21	0.042	1	
ACROLEIN	0.161	0.158	0.119	0.125	0.123	0.127	0.125	0.115	0.126	0.121	0.12										0.129	12.01	0.12	1	
1,1-DICHLOROETHENE	1.391	1.575	1.508	1.405	1.526	1.553	1.49	1.346	1.423	1.38	1.337										1.449	5.84	0.058	1	0.1
1,1,2-TRICHLOROTRIFLUOROETHANE	0.771	0.901	0.822	0.793	0.823	0.858	0.831	0.748	0.792	0.768	0.749										0.805	5.89	0.059	1	0.1
ACETONE				0.234	0.211	0.207	0.198	0.182	0.193	0.181	0.174										0.197	10.01	0.1	1	0.1
IODOMETHANE	1.219	1.46	1.396	1.392	1.413	1.517	1.464	1.327	1.397	1.347	1.254										1.381	6.46	0.065	1	
CARBON DISULFIDE		4.284	3.586	3.28	3.293	3.495	3.304	2.97	3.17	3.087	2.996										3.346	11.49	0.115	1	0.1
METHYLENE CHLORIDE				1.235	1.027	0.981	0.901	0.808	0.856	0.84	0.823										0.934	15.43	0.154	1	0.1
ACRYLONITRILE	0.191	0.257	0.24	0.253	0.253	0.27	0.267	0.244	0.269	0.258	0.25										0.25	8.74	0.087	1	
n-Hexane	0.911	1.078	0.838	0.823	0.826	0.878	0.843	0.774	0.812	0.797	0.791										0.852	9.93	0.099	1	
TRANS-1,2-DICHLOROETHENE	0.752	0.985	0.814	0.8	0.819	0.876	0.831	0.761	0.812	0.796	0.788										0.821	7.77	0.078	1	0.1
METHYL TERT-BUTYL ETHER	2.17	2.297	2.088	2.174	2.188	2.331	2.266	2.043	2.218	2.128	2.125										2.184	4.05	0.04	1	0.1
1,1-DICHLOROETHANE	1.456	1.719	1.59	1.553	1.605	1.666	1.605	1.462	1.561	1.524	1.506										1.568	5.15	0.052	1	0.2
VINYL ACETATE	1.379	1.706	1.654	1.638	1.668	1.8	1.786	1.583	1.699	1.63	1.299										1.622	9.55	0.095	1	
DI-ISOPROPYL ETHER	2.522	2.907	2.879	2.819	2.899	3.053	3.003	2.73	2.952	2.857	2.806										2.857	5.02	0.05	1	
2,2-Dichloropropane	1.01	0.971	0.905	0.936	0.898	0.958	0.863	0.775	0.79	0.757	0.684										0.868	11.9	0.119	1	
CIS-1,2-DICHLOROETHENE	0.731	0.795	0.867	0.807	0.86	0.906	0.872	0.798	0.854	0.833	0.832										0.832	5.74	0.057	1	0.1
2-BUTANONE (MEK)	0.302	0.319	0.319	0.315	0.32	0.336	0.335	0.314	0.334	0.316	0.309										0.32	3.43	0.034	1	0.1
BROMOCHLOROMETHANE	0.554	0.563	0.506	0.511	0.493	0.521	0.503	0.462	0.5	0.487	0.481										0.507	5.88	0.059	1	

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260C	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SW846	Released On	: 7/12/2014 5:44:39 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur	RF
TETRAHYDROFURAN			0.316	0.265	0.241	0.253	0.24	0.22	0.236	0.223	0.218										0.246	12.42	0.124	1	
CHLOROFORM				1.917	1.623	1.552	1.455	1.315	1.39	1.353	1.332										1.492	13.63	0.136	1	0.2
DIBROMOFLUOROMETHANE	0.554	0.557	0.55	0.562	0.557	0.572	0.574	0.571	0.592	0.585	0.586										0.569	2.53	0.025	1	
1,1,1-TRICHLOROETHANE	1.054	1.206	1.034	1.037	1.05	1.178	1.125	1.01	1.071	1.042	1.02										1.075	6.1	0.061	1	0.1
CARBON TETRACHLORIDE	1.043	1.1	1.101	1.076	1.142	1.214	1.157	1.052	1.103	1.08	1.068										1.103	4.58	0.046	1	0.1
1,1-Dichloropropene	1.111	1.289	1.176	1.132	1.223	1.266	1.216	1.111	1.177	1.15	1.134										1.18	5.17	0.052	1	
2,2,4-TRIMETHYLPENTANE	3.485	4.13	3.729	3.588	3.709	4.003	3.863	3.488	3.65	3.549											3.719	5.88	0.059	1	
HEPTANE	1.358	1.511	1.522	1.428	1.656	1.678	1.728	1.583	1.655	1.647	1.636										1.582	7.23	0.072	1	
BENZENE	3.132	3.521	3.198	3.11	3.319	3.404	3.337	3.051	3.233	3.16	3.115										3.235	4.48	0.045	1	0.5
1,2-DICHLOROETHANE	0.91	1.001	1.019	0.963	1.01	1.062	1.046	0.959	1.014	0.977	0.97										0.994	4.37	0.044	1	0.1
8260-1,4-DIFLUOROBENZENE																									
TRICHLOROETHENE	0.379	0.459	0.427	0.421	0.437	0.473	0.453	0.416	0.436	0.426	0.429										0.432	5.75	0.057	1	0.2
1,2-DICHLOROPROPANE	0.286	0.378	0.368	0.339	0.353	0.367	0.359	0.326	0.344	0.335	0.335										0.344	7.36	0.074	1	0.1
DIBROMOMETHANE	0.205	0.324	0.251	0.236	0.251	0.266	0.261	0.235	0.252	0.243	0.241										0.251	11.54	0.115	1	
BROMODICHLOROMETHANE	0.505	0.664	0.624	0.576	0.584	0.631	0.612	0.561	0.587	0.58	0.58										0.591	7.04	0.07	1	0.2
a,a,a-Trifluorotoluene	0.56	0.561	0.554	0.56	0.543	0.555	0.554	0.538	0.542	0.532	0.521										0.547	2.39	0.024	1	
2-CHLOROETHYL VINYL ETHER	0.174	0.185	0.184	0.178	0.189	0.199	0.195	0.183	0.195	0.192	0.196										0.188	4.24	0.042	1	
CIS-1,3-DICHLOROPROPENE	0.736	0.775	0.766	0.712	0.763	0.799	0.785	0.724	0.76	0.747	0.746										0.756	3.41	0.034	1	0.2
4-METHYL-2-PENTANONE (MIBK)	0.181	0.18	0.158	0.158	0.162	0.173	0.174	0.159	0.172	0.165	0.163										0.168	5.11	0.051	1	0.1
TOLUENE-D8	1.299	1.274	1.282	1.286	1.284	1.295	1.285	1.284	1.275	1.278	1.247										1.281	1.05	0.01	1	
TOLUENE	2.225	2.057	1.886	1.75	1.87	1.945	1.907	1.746	1.822	1.802	1.788										1.891	7.61	0.076	1	0.4
TRANS-1,3-DICHLOROPROPENE	0.132	0.145	0.144	0.141	0.152	0.163	0.161	0.151	0.164	0.162	0.169										0.153	7.68	0.077	1	0.1
8260-2-BROMO-1-CHLOROPROPANE																									
1,1,2-TRICHLOROETHANE	1.63	1.79	2.031	1.856	1.951	2.003	2.02	1.879	1.989	1.993	2.053										1.927	6.65	0.066	1	0.1
TETRACHLOROETHENE	1.577	1.801	1.792	1.644	1.79	1.905	1.852	1.712	1.825	1.841	1.972										1.792	6.3	0.063	1	0.2
1,3-Dichloropropane	4.365	4.186	3.923	3.728	3.742	3.791	3.857	3.563	3.743	3.747	3.834										3.862	5.88	0.059	1	
2-HEXANONE	0.905	0.918	0.829	0.842	0.859	0.933	0.928	0.864	0.931	0.91	0.931										0.896	4.38	0.044	1	0.1
CHLORODIBROMOMETHANE	2.273	2.334	2.196	2.174	2.255	2.29	2.282	2.177	2.286	2.291	2.386										2.268	2.86	0.029	1	0.1
1,2-DIBROMOETHANE	2.216	2.223	2.109	1.933	2.018	2.053	2.071	1.931	2.022	2.015	2.073										2.06	4.64	0.046	1	0.1
CHLOROBENZENE	6.265	6.738	6.362	6.274	6.693	6.878	6.806	6.336	6.734	6.819	7.203										6.646	4.51	0.045	1	0.5

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260C	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SW846	Released On	: 7/12/2014 5:44:39 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur	RF
1,1,1,2-TETRACHLOROETHANE	1.832	2.278	1.995	2.196	2.155	2.295	2.28	2.082	2.239	2.226	2.334										2.174	6.94	0.069	1	
ETHYLBENZENE	3.256	3.556	3.655	3.473	3.614	3.801	3.791	3.541	3.76	3.823	4.099										3.67	6.03	0.06	1	0.1
M&P-XYLENE	3.884	4.428	4.04	4.217	4.439	4.695	4.645	4.314	4.586	4.675	4.912										4.44	6.91	0.069	1	0.1
O-XYLENE	4.98	4.42	4.539	4.393	4.358	4.51	4.51	4.142	4.432	4.472	4.694										4.495	4.67	0.047	1	0.3
STYRENE	6.241	6.391	6.304	6.354	6.798	7.224	7.287	6.748	7.212	7.267	7.728										6.869	7.34	0.073	1	0.3
Bromoform	1.088	1.33	1.29	1.301	1.394	1.436	1.473	1.347	1.473	1.467	1.536										1.376	9.06	0.091	1	0.1
Isopropylbenzene	9.53	11.26	10.46	10.54	11.05	11.97	11.77	10.87	11.48	11.53	11.97										11.13	6.69	0.067	1	0.1
4-BROMOFLUOROBENZENE	2.549	2.597	2.525	2.585	2.553	2.622	2.688	2.652	2.731	2.754	2.844										2.645	3.77	0.038	1	
Bromobenzene	4.373	5.111	4.414	4.676	4.873	5.126	5.194	4.759	5.183	5.245	5.632										4.962	7.69	0.077	1	
1,1,2,2-TETRACHLOROETHANE	2.308	3.056	2.376	2.656	2.64	2.826	2.81	2.534	2.777	2.756	2.846										2.689	8.11	0.081	1	0.3
1,2,3-TRICHLOROPROPANE	0.571	0.952	0.595	0.732	0.767	0.79	0.779	0.711	0.785	0.77	0.807										0.751	13.72	0.137	1	
TRANS-1,4-DICHLORO-2-BUTENE	0.727	0.728	0.66	0.725	0.691	0.765	0.773	0.71	0.811	0.803	0.824										0.747	7	0.07	1	
n-Propylbenzene	11.66	13.97	11.88	12.27	12.82	13.73	13.77	12.59	13.62	13.76	14.38										13.13	7.04	0.07	1	
4-ETHYLTOLUENE	9.63	10.89	9.46	9.75	10.2	10.96	11.03	10.02	10.9	10.98	11.66										10.5	6.81	0.068	1	
2-Chlorotoluene	2.511	2.825	2.572	2.477	2.532	2.751	2.73	2.509	2.729	2.777	2.998										2.674	6.18	0.062	1	
4-Chlorotoluene	6.997	7.581	7.485	7.048	7.605	8.173	8.227	7.477	8.133	8.18	8.704										7.783	6.91	0.069	1	
1,3,5-Trimethylbenzene	7.98	9.02	8.27	8.389999	8.95	9.65	9.71	8.93	9.67	9.74	10.46										9.16	8.24	0.082	1	
tert-Butylbenzene	7.121	7.816	7.02	7.305	7.668	8.044	8.169	7.501	8.041	8.124	8.568										7.761	6.25	0.063	1	
1,2,4-Trimethylbenzene	7.78	9.45	8.360001	8.389999	8.73	9.54	9.53	8.679999	9.43	9.57	10.11										9.049999	7.76	0.078	1	
sec-Butylbenzene	10.88	12.28	11.07	11.31	11.85	12.81	12.85	11.8	12.53	12.64	13.17										12.11	6.42	0.064	1	
1,3-DICHLOROBENZENE	4.015	4.955	4.313	4.376	4.556	4.879	4.935	4.466	4.931	4.975	5.381										4.707	8.34	0.083	1	0.6
p-Isopropyltoluene	8.37	9.599999	8.690001	8.88	9.4	10.15	10.45	9.53	10.31	10.51	11.17										9.73	8.93	0.089	1	
DICYCLOPENTADIENE	8.53	11.1	10.47	10.56	11.05	12.15	12.38	11.21	12.17	12.17	12.7										11.32	10.61	0.106	1	
8260-1,4-DICHLOROBENZENE-D4																									
1,4-DICHLOROBENZENE	1.944	2.049	1.912	1.823	1.948	1.977	1.931	1.756	1.862	1.839	1.906										1.904	4.24	0.042	1	
1,2,3-TRIMETHYLBENZENE	4.317	4.374	3.923	3.692	3.908	3.924	3.847	3.529	3.633	3.598	3.631										3.852	7.31	0.073	1	
1,2-DICHLOROBENZENE	1.53	1.803	1.737	1.723	1.805	1.82	1.779	1.618	1.681	1.656	1.675										1.711	5.27	0.053	1	0.4
n-Butylbenzene	3.157	4.094	3.509	3.365	3.665	3.811	3.691	3.344	3.415	3.408	3.361										3.529	7.5	0.075	1	
1,2-Dibromo-3-chloropropane		0.184	0.192	0.196	0.205	0.212	0.208	0.188	0.2	0.192	0.185										0.196	4.96	0.05	1	0.05

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260C	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SW846	Released On	: 7/12/2014 5:44:39 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur	RF
1,2,4-Trichlorobenzene	1.184	1.293	1.152	1.118	1.204	1.231	1.144	1.037	1.1	1.093	1.096										1.15	6.37	0.064	1	0.2
HEXACHLORO-1,3-BUTADIENE	0.516	0.651	0.65	0.648	0.671	0.687	0.647	0.594	0.6	0.61	0.616										0.626	7.49	0.075	1	
Naphthalene	3.126	3.015	2.819	2.673	2.84	2.879	2.738	2.504	2.673	2.601	2.52										2.763	7.12	0.071	1	
1,2,3-Trichlorobenzene	1.1	1.13	1.123	1.067	1.147	1.128	1.053	0.956	1.013	1.001	0.997										1.065	6.15	0.061	1	
1-Methylnaphthalene	1.482	1.654	1.462	1.438	1.507	1.513	1.457	1.341	1.449	1.441	1.374										1.465	5.52	0.055	1	
2-Methylnaphthalene	1.26	1.286	1.205	1.141	1.215	1.234	1.203	1.096	1.184	1.158	1.082										1.188	5.39	0.054	1	
AP9-PENTAFLUOROBENZENE																									
METHANOL												0.007	0.006	0.007	0.007	0.008	0.007	0.007	0.006	0.009	0.007	9.67	0.097	1	
Bromoethane												0.696	0.654	0.582	0.579	0.629	0.593	0.573	0.569	0.567	0.605	7.48	0.075	1	
2-PROPANOL												0.054	0.046	0.041	0.043	0.045	0.042	0.043	0.037	0.048	0.044	10.79	0.108	1	
Methyl Acetate												0.573	0.557	0.52	0.537	0.549	0.536	0.542	0.508	0.539	0.54	3.5	0.035	1	0.1
ACETONITRILE												0.085	0.076	0.072	0.076	0.076	0.079	0.08	0.073	0.084	0.078	5.86	0.059	1	
ALLYL CHLORIDE												0.443	0.424	0.382	0.403	0.416	0.414	0.388	0.388	0.401	0.406	4.83	0.048	1	
tert-BUTYL ALCOHOL												0.104	0.084	0.087	0.08	0.085	0.083	0.085	0.078	0.091	0.086	8.66	0.087	1	
chloroprene												1.361	1.266	1.154	1.214	1.234	1.228	1.149	1.135	1.187	1.214	5.8	0.058	1	
ETHYL TERT-BUTYL ETHER												2.567	2.468	2.216	2.342	2.415	2.455	2.282	2.274	2.333	2.372	4.73	0.047	1	
PROPIONITRILE												0.102	0.097	0.093	0.096	0.098	0.096	0.102	0.093	0.1	0.098	3.42	0.034	1	
Ethyl Acetate												0.621	0.623	0.593	0.608	0.617	0.607	0.617	0.572	0.601	0.606	2.69	0.027	1	
METHACRYLONITRILE												0.295	0.291	0.272	0.286	0.294	0.291	0.291	0.275	0.285	0.287	2.81	0.028	1	
Cyclohexane												1.143	1.097	0.963	1.012	1.064	1.026	0.964	0.963	0.989	1.025	6.31	0.063	1	0.1
tert-butyl formate												0.681	0.682	0.652	0.671	0.695	0.694	0.672	0.659	0.692	0.678	2.27	0.023	1	
ISOBUTANOL												0.048	0.049	0.046	0.048	0.045	0.045	0.046	0.041	0.047	0.046	4.9	0.049	1	
t-Amyl Alcohol												0.055	0.073	0.059	0.071	0.062	0.073	0.075	0.072	0.068	0.068	10.17	0.102	1	
TERT-AMYL METHYL ETHER												2.262	2.203	1.961	2.049	2.111	2.14	2.004	1.975	2.052	2.084	4.96	0.05	1	
AP9-1,4-DIFLUOROBENZENE																									
N-BUTANOL												0.014	0.014	0.014	0.014	0.015	0.014	0.015	0.014	0.015	0.014	4.51	0.045	1	
Methyl Cyclohexane												1.165	0.888	0.738	0.739	0.76	0.726	0.705	0.699	0.721	0.793	18.95	0.999	0	0.1
2-nitropropane												0.134	0.127	0.124	0.128	0.132	0.126	0.133	0.121	0.129	0.128	3.18	0.032	1	
METHYL METHACRYLATE												0.355	0.363	0.341	0.362	0.369	0.361	0.371	0.342	0.362	0.358	2.98	0.03	1	
1,4-DIOXANE																					0	0	0	1	

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Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS23	Review Method	: 8260C	Released By	: Jimmy Moshopoulos
Method	: V823G11N	Review Protocol	: SW846	Released On	: 7/12/2014 5:44:39 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V823G11N -- ICal Updated Time: Sat Jul 12 17:12:36 2014

Parameter	.25	.5	1	2	5.0	10	25	40	75	100	200	1A	2.5A	5A	7.5A	10A	12A	15A	17A	20A	AvgRF	%RSD	COD	Cur	RF
n-octane												0.417	0.34	0.311	0.333	0.346	0.336	0.329	0.317	0.333	0.34	9.04	0.09	1	
3,3-DIMETHYL-1-BUTANOL												0.046	0.041	0.038	0.04	0.043	0.042	0.044	0.041	0.043	0.042	5.76	0.058	1	
SAP9-2-BROMO-1-CHLOROPROPANE																									
ETHYL METHACRYLATE												2.85	2.951	2.715	2.868	2.965	3.023	2.954	2.801	2.93	2.895	3.3	0.033	1	
CIS-1,4-DICHLORO-2-BUTENE												0.847	0.797	0.711	0.743	0.802	0.789	0.801	0.777	0.79	0.784	4.93	0.049	1	
Cyclohexanone												0.612	0.539	0.422	0.482	0.521	0.523	0.508	0.373	0.456	0.493	14.19	0.142	1	
PENTACHLOROETHANE												1.164	1.343	1.291	1.341	1.347	1.344	1.307	1.385	1.386	1.323	5.08	0.051	1	
Hexachloroethane												1.839	1.93	1.684	1.791	1.88	1.913	1.804	1.786	1.815	1.827	4.12	0.041	1	
SAP9-1,4-DICHLOROBENZENE-D4																									

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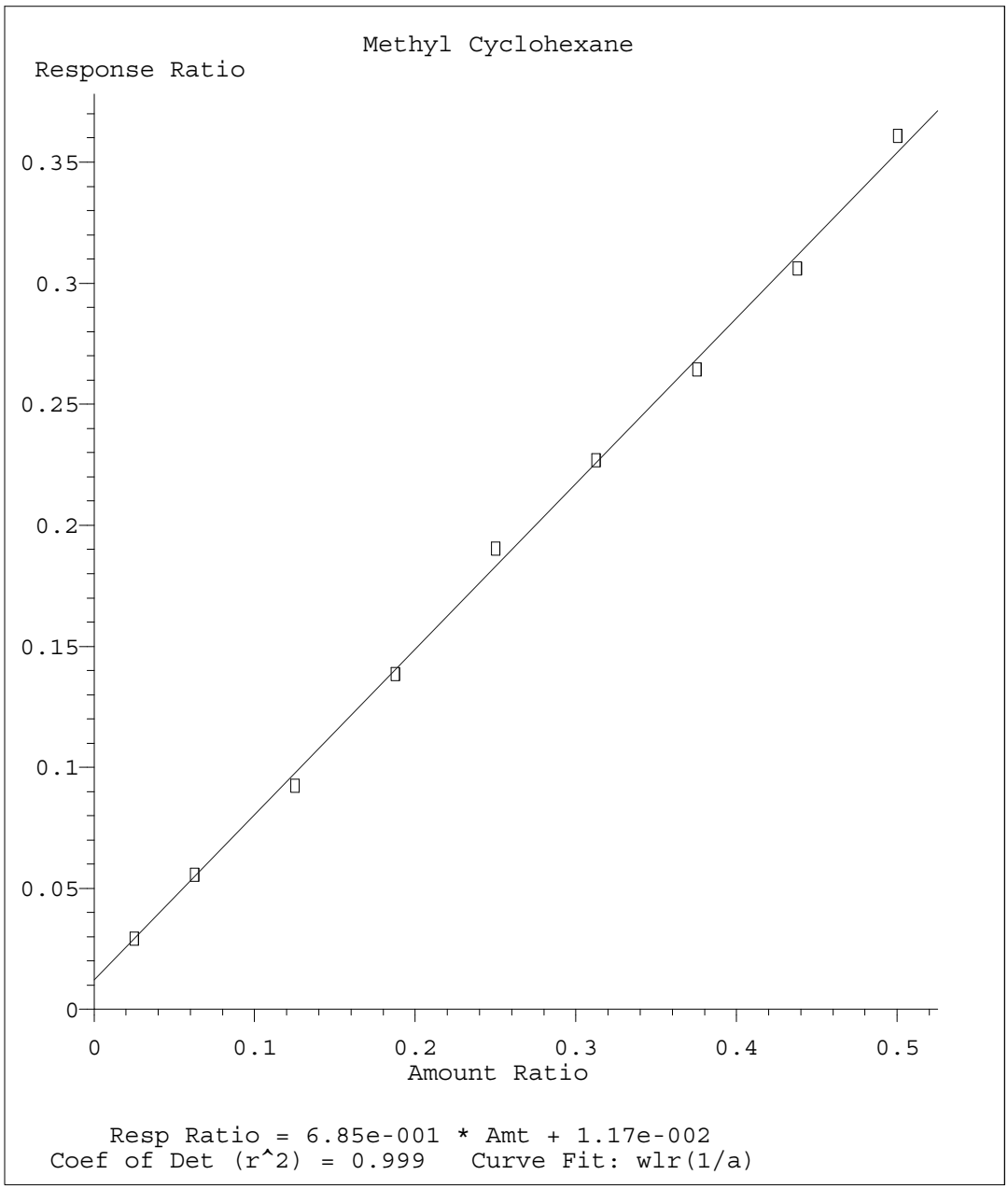
12065 Lebanon Rd., Mt. Juliet, TN 37122

Manual Integrations - Audit Trail

Instrument ID	: VOCMS23	Method	: V823G11N
Released By	: Jimmy Moshopoulos	Review Method	: 8260B
Released On	: 7/12/2014 5:45:34 PM	Review Protocol	: SW846

File ID	Level ID	Parameter	Old Conc.	New Conc.	Old Resp.	New Resp.
0711_17.D	200	VINYL ACETATE	0.235111ppb	785.202ppb	4926	1.64514e+007



Method Name: C:\msdchem\1\methods\V823G11N.M

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

IS - SURROGATE SUMMARY REPORT

Instrument ID	: VOCMS23	CCV File ID	: 0711_13	Tune File ID	: 0711_03
Run ID	: 071114	CCV Analyzed At	: 07/11/14 2009	Tune Analyzed At	: 07/11/14 1003

Sample File ID	Lab Sample ID	Dilution	Product	Matrix	8260-PENTAFLUOROBENZENE	8260-1,4-DIFLUOROBENZENE	8260-2-BROMO-1-CHLOROPROPANE	8260-1,4-DICHLOROBENZENE-D4	AP9-PENTAFLUOROBENZENE	AP9-1,4-DIFLUOROBENZENE	AP9-2-BROMO-1-CHLOROPROPANE	AP9-1,4-DICHLOROBENZENE-D4	DIBROMOFLUOROMETHANE	a,a,a-Trifluorotoluene	TOLUENE-D8	4-BROMOFLUOROBENZENE
0711_07	STD VMS 0.25 PPB 14G10915	1			457712	803464	143484	340673	0	0	0	0	96.4	101	101	94.8
0711_08	STD VMS 0.5 PPB 14G10915	1			462632	813414	144431	355689	0	0	0	0	96.9	101	99.2	96.6
0711_09	STD VMS 1 PPB 14G10915	1			500022	883322	156201	357275	0	0	0	0	98.1	103	102	96.3
0711_09A	RL VMS 1 PPB 14G10915	1			500022	883322	156201	357275	500022*	883322*	156201*	357275*	99	104	103	97.8
0711_10	STD VMS 2 PPB 14G10915	1			480482	852998	151245	370807	0	0	0	0	103	106	105	101
0711_10A	RL VMS 2 PPB 14G10915	1			480482	852998	151245	370807	480482*	852998*	151245*	370807*	104	107	105	103
0711_11	STD VMS 5.0 PPB 14G10915	1			468049	827909	145584	346638	0	0	0	0	104	105	107	102
0711_12	STD VMS 10 PPB 14G10915	1			447861	797457	142552	357665	0	0	0	0	110	110	111	107
0711_13	MSTD VMS 25 PPB 14G10915	1			453962	811471	144563	375488	0	0	0	0	115	112	112	117
0711_14	STD VMS 40 PPB 14G10915	1			503280	902006	159167	412083	0	0	0	0	114	112	115	113
0711_15	STD VMS 75 PPB 14G10915	1			467596	847959	149726	412077	0	0	0	0	121	115	117	119
0711_16	STD VMS 100 PPB 14G10915	1			481380	872704	151021	424744	0	0	0	0	122	115	119	123
0711_17	STD VMS 200 PPB 14G10915	1			506648	917522	154693	462735	0	0	0	0	127	116	119	133

Sample File ID with Red Background = Tune window failure, * = IS/Surr failure

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

IS - SURROGATE SUMMARY REPORT

Instrument ID	: VOCMS23	CCV File ID	: 0711_25	Tune File ID	: 0711_03
Run ID	: 071114	CCV Analyzed At	: 07/12/14 0009	Tune Analyzed At	: 07/11/14 1003

Sample File ID	Lab Sample ID	Dilution	Product	Matrix	8260-PENTAFLUOROBENZENE	8260-1,4-DIFLUOROBENZENE	8260-2-BROMO-1-CHLOROPROPANE	8260-1,4-DICHLOROBENZENE-D4	AP9-PENTAFLUOROBENZENE	AP9-1,4-DIFLUOROBENZENE	AP9-2-BROMO-1-CHLOROPROPANE	AP9-1,4-DICHLOROBENZENE-D4	DIBROMOFLUOROMETHANE	a,a,a-Trifluorotoluene	TOLUENE-D8	4-BROMOFLUOROBENZENE
0711_21	STD VMS 1 PPB 14B14470	1			0	0	0	0	444579	781084	134233	355633	0	0	0	0
0711_22	STD VMS 2.5 PPB 14B14470	1			0	0	0	0	450946	795485	137271	352643	0	0	0	0
0711_23	STD VMS 5 PPB 14B14470	1			0	0	0	0	490056	861462	150700	377650	0	0	0	0
0711_24	STD VMS 7.5 PPB 14B14470	1			0	0	0	0	469693	815868	143778	359118	0	0	0	0
0711_25	MSTD VMS 10 PPB 14B14470	1			0	0	0	0	470193	808970	141735	363382	0	0	0	0
0711_26	STD VMS 12.5 PPB 14B14470	1			0	0	0	0	465868	812116	140939	360492	0	0	0	0
0711_27	STD VMS 15 PPB 14B14470	1			0	0	0	0	496702	845638	149742	379860	0	0	0	0
0711_28	STD VMS 17.5 PPB 14B14470	1			0	0	0	0	499544	854590	149635	391925	0	0	0	0
0711_29	STD VMS 20 PPB 14B14470	1			469394*	794417*	138335*	360627*	469394	794417	138335	360627	92.7	102	97.5	99.6

Sample File ID with Red Background = Tune window failure, * = IS/Surr failure

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	505397	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.239	114	884072	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	158574	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	378152	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	505397	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.239	114	884072	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	158574	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	378152	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	275075	38.2495763 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 95.62%		
46) a,a,a-Trifluorotoluene	4.608	146	496089	41.0157424 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.54%		
50) TOLUENE-D8	5.068	98	1140199	40.2789587 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 100.70%		
68) 4-BROMOFLUOROBENZENE	6.956	95	402553	38.3846338 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 95.96%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7830513		No Calib	
3) PROPENE	0.000		0	N.D.	
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	940	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.544	56	717	0.4394558 ppb #	14
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.715	43	5565	2.2310323 ppb	99
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.387	76	6413	N.D.	
19) METHYLENE CHLORIDE	2.692	84	8988	0.7616026 ppb	98
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	0.000		0	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.168	43	536	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.737	43	1887	0.4667355 ppb	93
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.666	42	1712	0.5512015 ppb #	84
32) CHLOROFORM	3.570	83	13485	0.7152354 ppb	97
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
38) HEPTANE	3.911	43	1071	N.D.	
39) BENZENE	3.907	78	1187	N.D.	
40) 1,2-DICHLOROETHANE	3.917	62	1959	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	9276	1.2185170 ppb #	11
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.612	83	757	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.396	58	552	N.D.	
51) TOLUENE	4.975	91	714	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	805	N.D.	
57) 2-HEXANONE	5.872	58	714	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	0.000		0	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	0.000		0	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.898	105	551	N.D.	
69) Bromobenzene	6.956	77	2453	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	6.959	91	2061	N.D.	
74) 4-ETHYLTOLUENE	0.000		0	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	
77) 1,3,5-Trimethylbenzene	7.190	105	808	N.D.	
78) tert-Butylbenzene	0.000		0	N.D.	
79) 1,2,4-Trimethylbenzene	7.493	105	524	N.D.	
80) sec-Butylbenzene	7.493	105	524	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	0.000		0	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	570	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.833	105	2379	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	7.997	91	619	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	1792	N.D.	
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	
94) 1-Methylnaphthalene	10.496	142	1227	N.D.	
95) 2-Methylnaphthalene	10.618	142	751	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

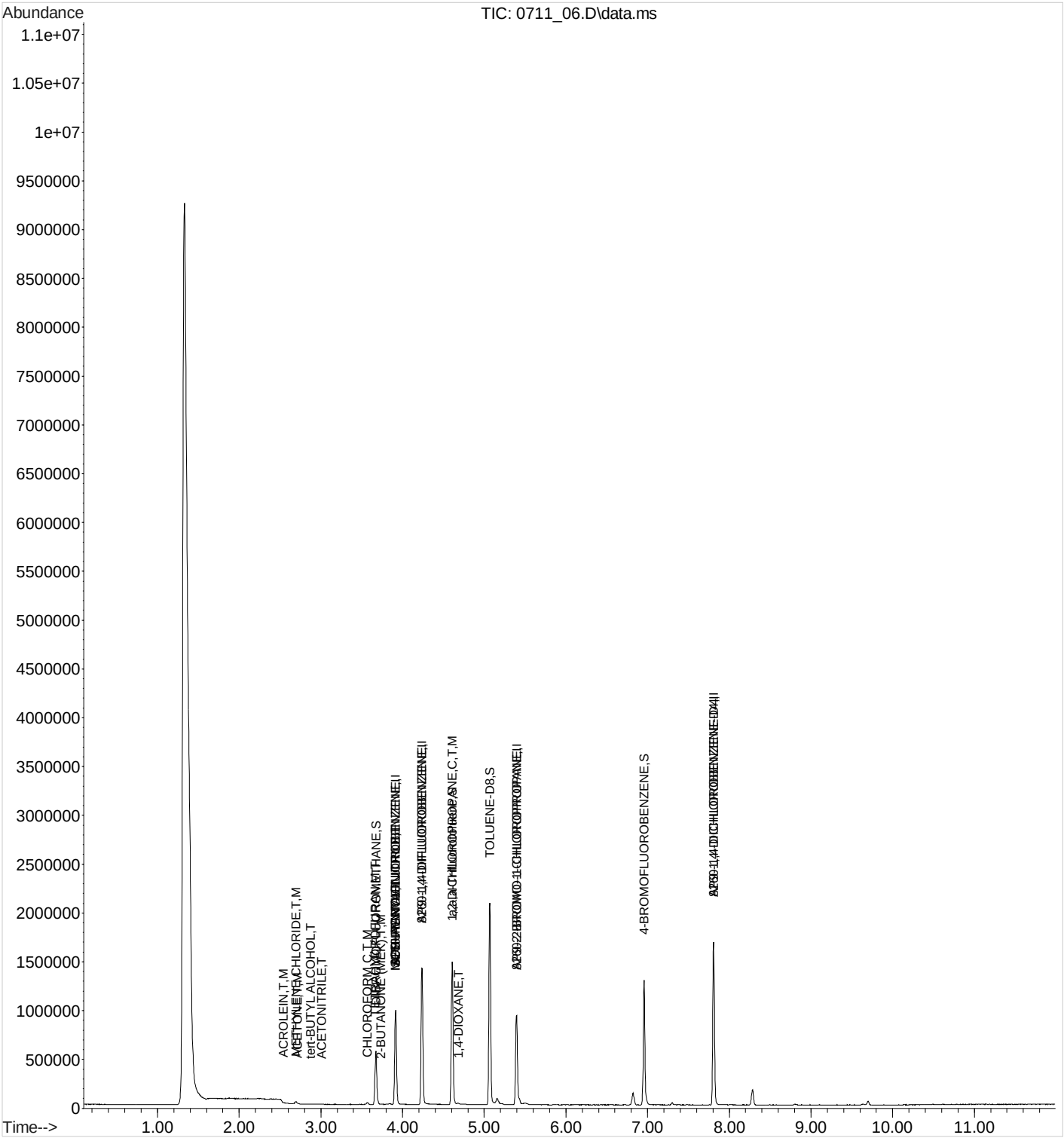
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.817	43	579	N.D.	
101)	ACETONITRILE	3.010	41	744	0.7561107 ppb #	35
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.872	59	1293	1.1840187 ppb #	62
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.670	43	548	N.D.	
108)	METHACRYLONITRILE	3.911	67	1524	0.4206146 ppb #	9
109)	Cyclohexane	3.567	84	653	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.911	43	1071	1.8395961 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.917	73	1344	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.239	83	9513	Below Cal #	46
117)	2-nitropropane	0.000		0	N.D.	
118)	METHYL METHACRYLATE	4.612	41	711	N.D.	
119)	1,4-DIOXANE	4.682	88	4005	11.7989159 ppb #	96
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	
123)	ETHYL METHACRYLATE	5.534	69	624	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	7.245	55	518	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	505397	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.239	114	884072	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	158574	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	378152	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	505397	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.239	114	884072	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	158574	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	378152	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	275075	38.2495763 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 95.62%		
46) a,a,a-Trifluorotoluene	4.608	146	496089	41.0157424 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.54%		
50) TOLUENE-D8	5.068	98	1140199	40.2789587 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 100.70%		
68) 4-BROMOFLUOROBENZENE	6.956	95	402553	38.3846338 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 95.96%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7830513		No Calib	
3) PROPENE	0.000		0	N.D.	
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	940	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.544	56	717	0.4394558 ppb #	14
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.715	43	5565	2.2310323 ppb	99
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.387	76	6413	N.D.	
19) METHYLENE CHLORIDE	2.692	84	8988	0.7616026 ppb	98
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	0.000		0	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.168	43	536	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.737	43	1887	0.4667355 ppb	93
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.666	42	1712	0.5512015 ppb #	84
32) CHLOROFORM	3.570	83	13485	0.7152354 ppb	97
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
38) HEPTANE	3.911	43	1071	N.D.	
39) BENZENE	3.907	78	1187	N.D.	
40) 1,2-DICHLOROETHANE	3.917	62	1959	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	9276	1.2185170 ppb #	11
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.612	83	757	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.396	58	552	N.D.	
51) TOLUENE	4.975	91	714	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	805	N.D.	
57) 2-HEXANONE	5.872	58	714	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	0.000		0	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	0.000		0	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.898	105	551	N.D.	
69) Bromobenzene	6.956	77	2453	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	6.959	91	2061	N.D.	
74) 4-ETHYLTOLUENE	0.000		0	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	
77) 1,3,5-Trimethylbenzene	7.190	105	808	N.D.	
78) tert-Butylbenzene	0.000		0	N.D.	
79) 1,2,4-Trimethylbenzene	7.493	105	524	N.D.	
80) sec-Butylbenzene	7.493	105	524	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	0.000		0	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	570	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.833	105	2379	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	7.997	91	619	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	1792	N.D.	
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	
94) 1-Methylnaphthalene	10.496	142	1227	N.D.	
95) 2-Methylnaphthalene	10.618	142	751	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

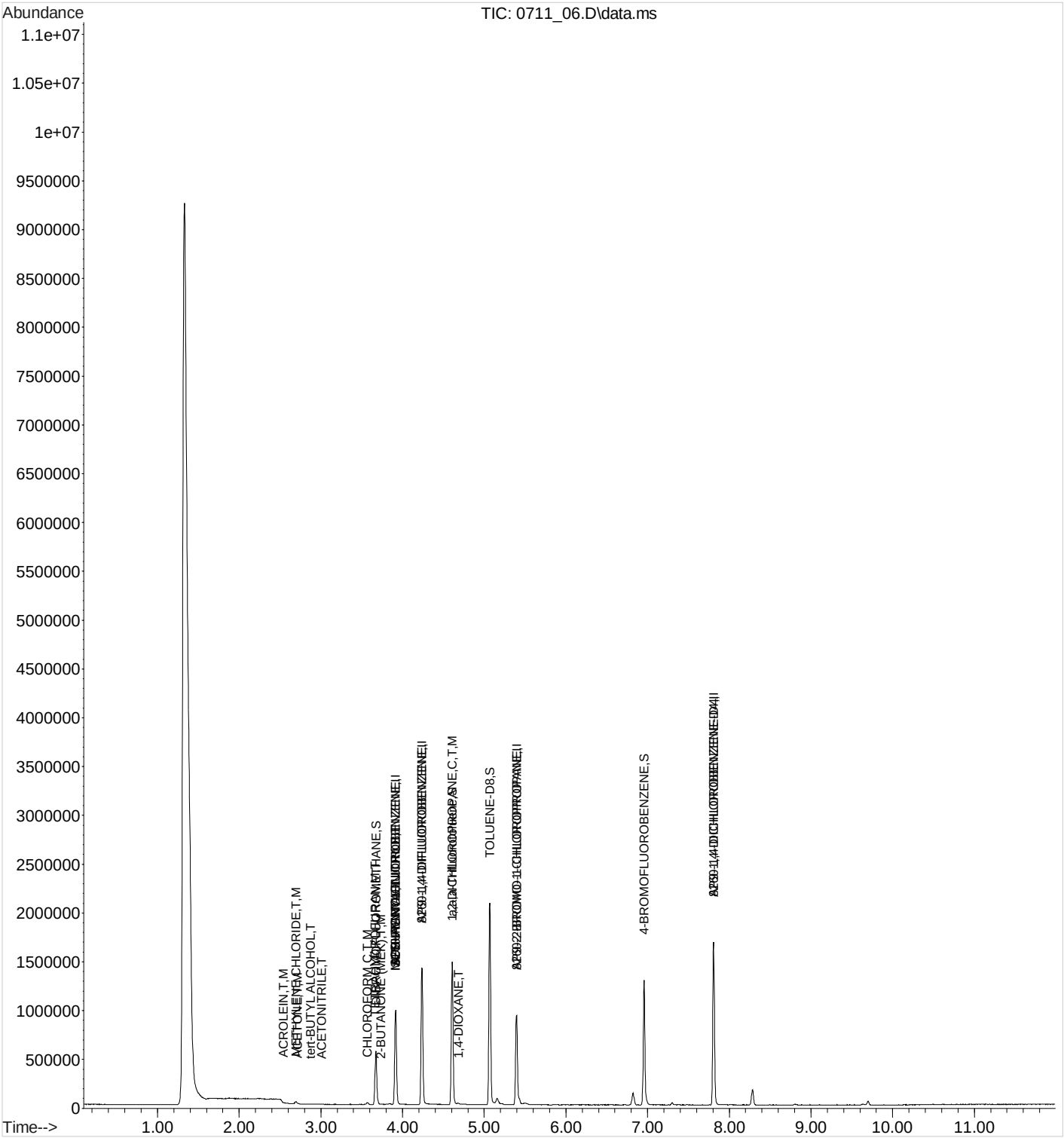
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.817	43	579	N.D.	
101)	ACETONITRILE	3.010	41	744	0.7561107 ppb #	35
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.872	59	1293	1.1840187 ppb #	62
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.670	43	548	N.D.	
108)	METHACRYLONITRILE	3.911	67	1524	0.4206146 ppb #	9
109)	Cyclohexane	3.567	84	653	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.911	43	1071	1.8395961 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.917	73	1344	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.239	83	9513	Below Cal #	46
117)	2-nitropropane	0.000		0	N.D.	
118)	METHYL METHACRYLATE	4.612	41	711	N.D.	
119)	1,4-DIOXANE	4.682	88	4005	11.7989159 ppb #	96
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	
123)	ETHYL METHACRYLATE	5.534	69	624	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	7.245	55	518	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	505397	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.239	114	884072	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	158574	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	378152	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	505397	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.239	114	884072	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	158574	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	378152	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	275075	38.2495763 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 95.62%		
46) a,a,a-Trifluorotoluene	4.608	146	496089	41.0157424 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.54%		
50) TOLUENE-D8	5.068	98	1140199	40.2789587 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 100.70%		
68) 4-BROMOFLUOROBENZENE	6.956	95	402553	38.3846338 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 95.96%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7830513		No Calib	
3) PROPENE	0.000		0	N.D.	
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	940	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.544	56	717	0.4394558 ppb #	14
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.715	43	5565	2.2310323 ppb	99
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.387	76	6413	N.D.	
19) METHYLENE CHLORIDE	2.692	84	8988	0.7616026 ppb	98
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	0.000		0	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.168	43	536	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.737	43	1887	0.4667355 ppb	93
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.666	42	1712	0.5512015 ppb #	84
32) CHLOROFORM	3.570	83	13485	0.7152354 ppb	97
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
38) HEPTANE	3.911	43	1071	N.D.	
39) BENZENE	3.907	78	1187	N.D.	
40) 1,2-DICHLOROETHANE	3.917	62	1959	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	9276	1.2185170 ppb #	11
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.612	83	757	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.396	58	552	N.D.	
51) TOLUENE	4.975	91	714	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	805	N.D.	
57) 2-HEXANONE	5.872	58	714	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	0.000		0	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	0.000		0	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.898	105	551	N.D.	
69) Bromobenzene	6.956	77	2453	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	6.959	91	2061	N.D.	
74) 4-ETHYLTOLUENE	0.000		0	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	
77) 1,3,5-Trimethylbenzene	7.190	105	808	N.D.	
78) tert-Butylbenzene	0.000		0	N.D.	
79) 1,2,4-Trimethylbenzene	7.493	105	524	N.D.	
80) sec-Butylbenzene	7.493	105	524	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	0.000		0	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	570	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.833	105	2379	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	7.997	91	619	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	1792	N.D.	
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	
94) 1-Methylnaphthalene	10.496	142	1227	N.D.	
95) 2-Methylnaphthalene	10.618	142	751	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

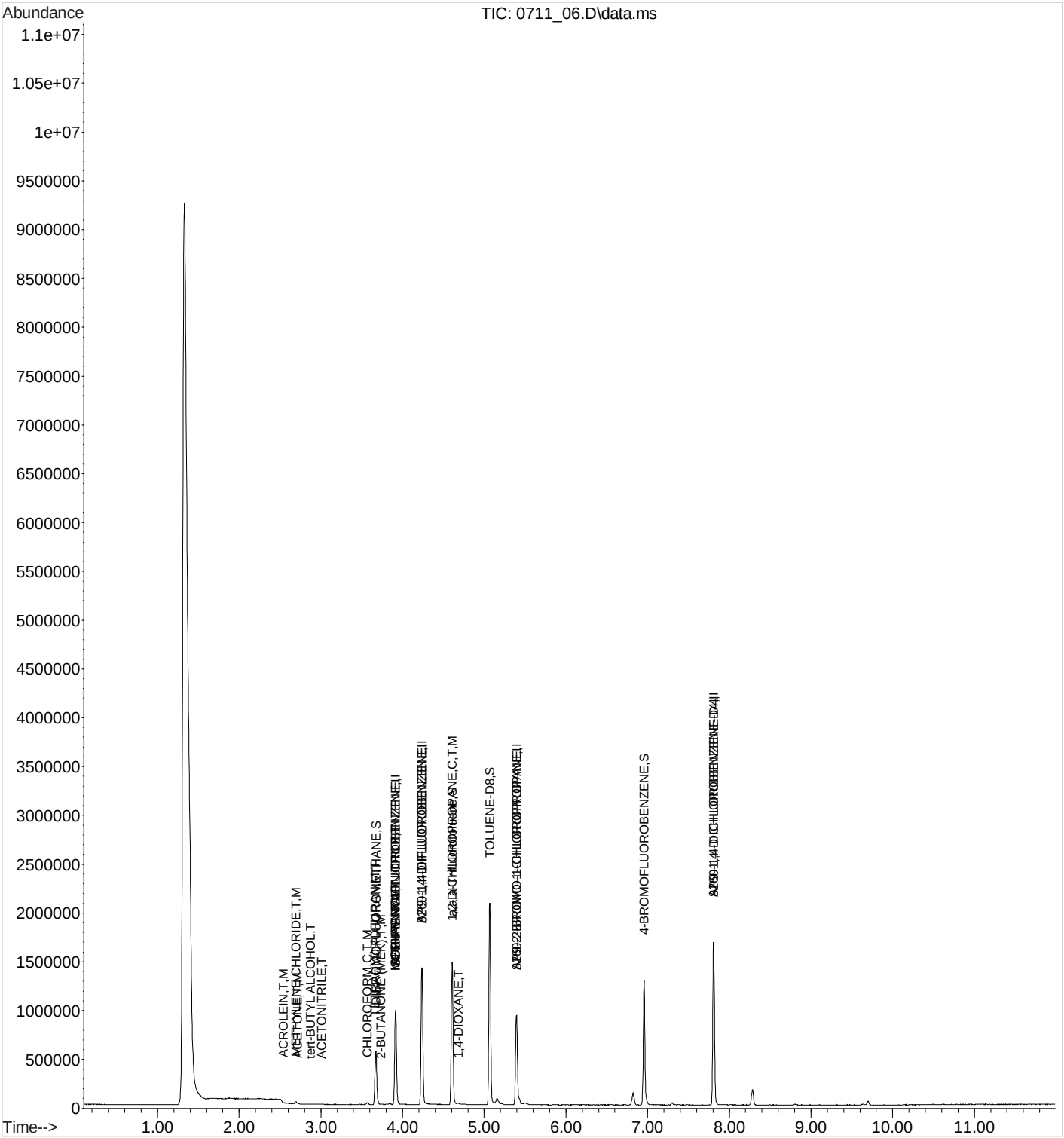
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.817	43	579	N.D.	
101)	ACETONITRILE	3.010	41	744	0.7561107 ppb #	35
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.872	59	1293	1.1840187 ppb #	62
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.670	43	548	N.D.	
108)	METHACRYLONITRILE	3.911	67	1524	0.4206146 ppb #	9
109)	Cyclohexane	3.567	84	653	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.911	43	1071	1.8395961 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.917	73	1344	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.239	83	9513	Below Cal #	46
117)	2-nitropropane	0.000		0	N.D.	
118)	METHYL METHACRYLATE	4.612	41	711	N.D.	
119)	1,4-DIOXANE	4.682	88	4005	11.7989159 ppb #	96
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	
123)	ETHYL METHACRYLATE	5.534	69	624	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	7.245	55	518	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 06.D
Acq On : 11 Jul 2014 5:48 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260B
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		2	0	0	60	140
PROPENE		0.001	0.001657159	166	60	140
DICHLORODIFLUOROMETHANE		0.001	0.0009237491	92.4	60	140
CHLOROMETHANE		0.001	0.001043523	104	60	140
VINYL CHLORIDE		0.001	0.001006437	101	60	140
1,3-BUTADIENE		0.001	0.00118267	118	60	140
BROMOMETHANE		0.001	0.0009481967	94.8	60	140
CHLOROETHANE		0.001	0.00103623	104	60	140
TRICHLOROFLUOROMETHANE		0.001	0.0009998016	100	60	140
DICHLOROFLUOROMETHANE		0.001	0.0009583974	95.8	60	140
ETHYL ETHER		0.001	0.000991044	99.1	60	140
ACROLEIN		0.005	0.00462331	92.5	60	140
1,1-DICHLOROETHENE		0.001	0.001041351	104	60	140
1,1,2-TRICHLOROTRIFLUOROETHANE		0.001	0.001021083	102	60	140
ACETONE		0.005	0.007282908	146	60	140
IODOMETHANE		0.005	0.005056516	101	60	140
CARBON DISULFIDE		0.001	0.001071466	107	60	140
METHYLENE CHLORIDE		0.001	0.001737765	174	60	140
ACRYLONITRILE		0.005	0.004799062	96	60	140
n-Hexane		0.001	0.0009833951	98.3	60	140
TRANS-1,2-DICHLOROETHENE		0.001	0.0009907463	99.1	60	140
METHYL TERT-BUTYL ETHER		0.001	0.0009560278	95.6	60	140
1,1-DICHLOROETHANE		0.001	0.00101394	101	60	140
VINYL ACETATE		0.005	0.005098392	102	60	140
DI-ISOPROPYL ETHER		0.001	0.001007808	101	60	140
2,2-Dichloropropane		0.001	0.001042462	104	60	140
CIS-1,2-DICHLOROETHENE		0.001	0.001041692	104	60	140
2-BUTANONE (MEK)		0.005	0.004979029	99.6	60	140
BROMOCHLOROMETHANE		0.001	0.0009964344	99.6	60	140
TETRAHYDROFURAN		0.001	0.001286078	129	60	140
CHLOROFORM		0.001	0.001720703	172	60	140
1,1,1-TRICHLOROETHANE		0.001	0.0009620967	96.2	60	140
CARBON TETRACHLORIDE		0.001	0.0009976692	99.8	60	140
1,1-Dichloropropene		0.001	0.0009965205	99.7	60	140
2,2,4-TRIMETHYLPENTANE		0.001	0.001002535	100	60	140
HEPTANE		0.001	0.0009617366	96.2	60	140
BENZENE		0.001	0.0009885737	98.9	60	140
1,2-DICHLOROETHANE		0.001	0.0010252	103	60	140
TRICHLOROETHENE		0.001	0.0009865502	98.7	60	140
1,2-DICHLOROPROPANE		0.001	0.001067436	107	60	140
DIBROMOMETHANE		0.001	0.0009986707	99.9	60	140

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260B
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.001	0.001054738	105	60	140
2-CHLOROETHYL VINYL ETHER		0.005	0.004880951	97.6	60	140
CIS-1,3-DICHLOROPROPENE		0.001	0.001014202	101	60	140
4-METHYL-2-PENTANONE (MIBK)		0.005	0.004713675	94.3	60	140
TOLUENE		0.001	0.0009973379	99.7	60	140
TRANS-1,3-DICHLOROPROPENE		0.001	0.000938654	93.9	60	140
1,1,2-TRICHLOROETHANE		0.001	0.001054017	105	60	140
TETRACHLOROETHENE		0.001	0.0009997636	100	60	140
1,3-Dichloropropane		0.001	0.001015786	102	60	140
2-HEXANONE		0.005	0.00462878	92.6	60	140
CHLORODIBROMOMETHANE		0.001	0.0009685019	96.9	60	140
1,2-DIBROMOETHANE		0.001	0.001023805	102	60	140
CHLOROBENZENE		0.001	0.0009572037	95.7	60	140
1,1,1,2-TETRACHLOROETHANE		0.001	0.0009175427	91.8	60	140
ETHYLBENZENE		0.001	0.0009959036	99.6	60	140
M&P-XYLENE		0.002	0.001819758	91	60	140
O-XYLENE		0.001	0.001009746	101	60	140
XYLENES, TOTAL		0	0.002829504	101	60	140
STYRENE		0.001	0.0009177595	91.8	60	140
Bromoform		0.001	0.0009374862	93.7	60	140
Isopropylbenzene		0.001	0.0009395973	94	60	140
Bromobenzene		0.001	0.0008894899	88.9	60	140
1,1,2,2-TETRACHLOROETHANE		0.001	0.0008833107	88.3	60	140
1,2,3-TRICHLOROPROPANE		0.001	0.0007929415	79.3	60	140
TRANS-1,4-DICHLORO-2-BUTENE		0.001	0.0008840915	88.4	60	140
n-Propylbenzene		0.001	0.0009047111	90.5	60	140
4-ETHYLTOLUENE		0.001	0.0009009564	90.1	60	140
2-Chlorotoluene		0.001	0.0009619113	96.2	60	140
4-Chlorotoluene		0.001	0.0009618	96.2	60	140
1,3,5-Trimethylbenzene		0.001	0.0009029542	90.3	60	140
tert-Butylbenzene		0.001	0.0009044266	90.4	60	140
1,2,4-Trimethylbenzene		0.001	0.0009239348	92.4	60	140
sec-Butylbenzene		0.001	0.0009139924	91.4	60	140
1,3-DICHLOROBENZENE		0.001	0.0009162319	91.6	60	140
p-Isopropyltoluene		0.001	0.000892898	89.3	60	140
DICYCLOPENTADIENE		0.001	0.000925391	92.5	60	140
1,4-DICHLOROBENZENE		0.001	0.001004013	100	60	140
1,2,3-TRIMETHYLBENZENE		0.001	0.001018241	102	60	140
1,2-DICHLOROBENZENE		0.001	0.001014868	101	60	140
n-Butylbenzene		0.001	0.0009943189	99.4	60	140
1,2-Dibromo-3-chloropropane		0.001	0.0009771446	97.7	60	140

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260B
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.001	0.001001686	100	60	140
HEXACHLORO-1,3-BUTADIENE		0.001	0.001036929	104	60	140
Naphthalene		0.001	0.001020321	102	60	140
1,2,3-Trichlorobenzene		0.001	0.001054151	105	60	140
1-Methylnaphthalene		0.001	0.0009974822	99.7	60	140
2-Methylnaphthalene		0.001	0.00101453	101	60	140
ETHANOL		0	0		60	140
Bromoethane		0	0		60	140
2-PROPANOL		0	0.00126295		60	140
Methyl Acetate		0	0		60	140
ACETONITRILE		0	0.00574617		60	140
ALLYL CHLORIDE		0	0		60	140
tert-BUTYL ALCOHOL		0	0.0006941684		60	140
chloroprene		0	0.0009890771		60	140
ETHYL TERT-BUTYL ETHER		0	0		60	140
PROPIONITRILE		0	0		60	140
Ethyl Acetate		0	0		60	140
METHACRYLONITRILE		0	0.0004895759		60	140
Cyclohexane		0	0		60	140
tert-butyl formate		0	0		60	140
ISOBUTANOL		0	0.001171872		60	140
t-Amyl Alcohol		0	0		60	140
TERT-AMYL METHYL ETHER		0	0		60	140
N-BUTANOL		0	0		60	140
Methyl Cyclohexane		0	0		60	140
2-nitropropane		0	0		60	140
METHYL METHACRYLATE		0	0.0008322066		60	140
1,4-DIOXANE		0	0.01579601		60	140
n-octane		0	0		60	140
3,3-DIMETHYL-1-BUTANOL		0	0.006329676		60	140
ETHYL METHACRYLATE		0	0		60	140
CIS-1,4-DICHLORO-2-BUTENE		0	0		60	140
Cyclohexanone		0	0		60	140
PENTACHLOROETHANE		0	0		60	140
Hexachloroethane		0	0		60	140

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.03961969	99	78	121	
a,a,a-Trifluorotoluene	0.04	0.04150154	104	85	114	
TOLUENE-D8	0.04	0.04102817	103	89	111	
4-BROMOFLUOROBENZENE	0.04	0.03912836	97.8	71	126	

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RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260B
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	500022	227000	908000	3.92				
8260-1,4-DIFLUOROBENZENE	883322	406000	1620000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	156201	72300	289000	5.4				
8260-1,4-DICHLOROBENZENE-D4	357275	188000	751000	7.81				
AP9-PENTAFLUOROBENZENE	500022	0	0	3.92				
AP9-1,4-DIFLUOROBENZENE	883322	0	0	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	156201	0	0	5.4				
AP9-1,4-DICHLOROBENZENE-D4	357275	0	0	7.81				

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RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 601-602
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		2	0	0		
PROPENE		0.001	0.001657159	166		
DICHLORODIFLUOROMETHANE		0.001	0.0009237491	92.4		
CHLOROMETHANE		0.001	0.001043523	104		
VINYL CHLORIDE		0.001	0.001006437	101		
1,3-BUTADIENE		0.001	0.00118267	118		
BROMOMETHANE		0.001	0.0009481967	94.8		
CHLOROETHANE		0.001	0.00103623	104		
TRICHLOROFLUOROMETHANE		0.001	0.0009998016	100		
DICHLOROFLUOROMETHANE		0.001	0.0009583974	95.8		
ETHYL ETHER		0.001	0.000991044	99.1		
ACROLEIN		0.005	0.00462331	92.5		
1,1-DICHLOROETHENE		0.001	0.001041351	104		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.001	0.001021083	102		
ACETONE		0.005	0.007282908	146		
IODOMETHANE		0.005	0.005056516	101		
CARBON DISULFIDE		0.001	0.001071466	107		
METHYLENE CHLORIDE		0.001	0.001737765	174		
ACRYLONITRILE		0.005	0.004799062	96		
n-Hexane		0.001	0.0009833951	98.3		
TRANS-1,2-DICHLOROETHENE		0.001	0.0009907463	99.1		
METHYL TERT-BUTYL ETHER		0.001	0.0009560278	95.6		
1,1-DICHLOROETHANE		0.001	0.00101394	101		
VINYL ACETATE		0.005	0.005098392	102		
DI-ISOPROPYL ETHER		0.001	0.001007808	101		
2,2-Dichloropropane		0.001	0.001042462	104		
CIS-1,2-DICHLOROETHENE		0.001	0.001041692	104		
2-BUTANONE (MEK)		0.005	0.004979029	99.6		
BROMOCHLOROMETHANE		0.001	0.0009964344	99.6		
TETRAHYDROFURAN		0.001	0.001286078	129		
CHLOROFORM		0.001	0.001720703	172		
1,1,1-TRICHLOROETHANE		0.001	0.0009620967	96.2		
CARBON TETRACHLORIDE		0.001	0.0009976692	99.8		
1,1-Dichloropropene		0.001	0.0009965205	99.7		
2,2,4-TRIMETHYLPENTANE		0.001	0.001002535	100		
HEPTANE		0.001	0.0009617366	96.2		
BENZENE		0.001	0.0009885737	98.9		
1,2-DICHLOROETHANE		0.001	0.0010252	103		
TRICHLOROETHENE		0.001	0.0009865502	98.7		
1,2-DICHLOROPROPANE		0.001	0.001067436	107		
DIBROMOMETHANE		0.001	0.0009986707	99.9		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 601-602
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.001	0.001054738	105		
2-CHLOROETHYL VINYL ETHER		0.005	0.004880951	97.6		
CIS-1,3-DICHLOROPROPENE		0.001	0.001014202	101		
4-METHYL-2-PENTANONE (MIBK)		0.005	0.004713675	94.3		
TOLUENE		0.001	0.0009973379	99.7		
TRANS-1,3-DICHLOROPROPENE		0.001	0.000938654	93.9		
1,1,2-TRICHLOROETHANE		0.001	0.001054017	105		
TETRACHLOROETHENE		0.001	0.0009997636	100		
1,3-Dichloropropane		0.001	0.001015786	102		
2-HEXANONE		0.005	0.00462878	92.6		
CHLORODIBROMOMETHANE		0.001	0.0009685019	96.9		
1,2-DIBROMOETHANE		0.001	0.001023805	102		
CHLOROBENZENE		0.001	0.0009572037	95.7		
1,1,1,2-TETRACHLOROETHANE		0.001	0.0009175427	91.8		
ETHYLBENZENE		0.001	0.0009959036	99.6		
M&P-XYLENE		0.002	0.001819758	91		
O-XYLENE		0.001	0.001009746	101		
XYLENES, TOTAL		0	0.002829504	101		
STYRENE		0.001	0.0009177595	91.8		
Bromoform		0.001	0.0009374862	93.7		
Isopropylbenzene		0.001	0.0009395973	94		
Bromobenzene		0.001	0.0008894899	88.9		
1,1,2,2-TETRACHLOROETHANE		0.001	0.0008833107	88.3		
1,2,3-TRICHLOROPROPANE		0.001	0.0007929415	79.3		
TRANS-1,4-DICHLORO-2-BUTENE		0.001	0.0008840915	88.4		
n-Propylbenzene		0.001	0.0009047111	90.5		
4-ETHYLTOLUENE		0.001	0.0009009564	90.1		
2-Chlorotoluene		0.001	0.0009619113	96.2		
4-Chlorotoluene		0.001	0.0009618	96.2		
1,3,5-Trimethylbenzene		0.001	0.0009029542	90.3		
tert-Butylbenzene		0.001	0.0009044266	90.4		
1,2,4-Trimethylbenzene		0.001	0.0009239348	92.4		
sec-Butylbenzene		0.001	0.0009139924	91.4		
1,3-DICHLOROBENZENE		0.001	0.0009162319	91.6		
p-Isopropyltoluene		0.001	0.000892898	89.3		
DICYCLOPENTADIENE		0.001	0.000925391	92.5		
1,4-DICHLOROBENZENE		0.001	0.001004013	100		
1,2,3-TRIMETHYLBENZENE		0.001	0.001018241	102		
1,2-DICHLOROBENZENE		0.001	0.001014868	101		
n-Butylbenzene		0.001	0.0009943189	99.4		
1,2-Dibromo-3-chloropropane		0.001	0.0009771446	97.7		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 601-602
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.001	0.001001686	100		
HEXACHLORO-1,3-BUTADIENE		0.001	0.001036929	104		
Naphthalene		0.001	0.001020321	102		
1,2,3-Trichlorobenzene		0.001	0.001054151	105		
1-Methylnaphthalene		0.001	0.0009974822	99.7		
2-Methylnaphthalene		0.001	0.00101453	101		
ETHANOL		0	0			
Bromoethane		0	0			
2-PROPANOL		0	0.00126295			
Methyl Acetate		0	0			
ACETONITRILE		0	0.00574617			
ALLYL CHLORIDE		0	0			
tert-BUTYL ALCOHOL		0	0.0006941684			
chloroprene		0	0.0009890771			
ETHYL TERT-BUTYL ETHER		0	0			
PROPIONITRILE		0	0			
Ethyl Acetate		0	0			
METHACRYLONITRILE		0	0.0004895759			
Cyclohexane		0	0			
tert-butyl formate		0	0			
ISOBUTANOL		0	0.001171872			
t-Amyl Alcohol		0	0			
TERT-AMYL METHYL ETHER		0	0			
N-BUTANOL		0	0			
Methyl Cyclohexane		0	0			
2-nitropropane		0	0			
METHYL METHACRYLATE		0	0.0008322066			
1,4-DIOXANE		0	0.01579601			
n-octane		0	0			
3,3-DIMETHYL-1-BUTANOL		0	0.006329676			
ETHYL METHACRYLATE		0	0			
CIS-1,4-DICHLORO-2-BUTENE		0	0			
Cyclohexanone		0	0			
PENTACHLOROETHANE		0	0			
Hexachloroethane		0	0			

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.03961969	99	78	121	
a,a,a-Trifluorotoluene	0.04	0.04150154	104	85	114	
TOLUENE-D8	0.04	0.04102817	103	89	111	
4-BROMOFLUOROBENZENE	0.04	0.03912836	97.8	71	126	

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 601-602
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	500022	227000	908000	3.92				
8260-1,4-DIFLUOROBENZENE	883322	406000	1620000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	156201	72300	289000	5.4				
8260-1,4-DICHLOROBENZENE-D4	357275	188000	751000	7.81				
AP9-PENTAFLUOROBENZENE	500022	0	0	3.92				
AP9-1,4-DIFLUOROBENZENE	883322	0	0	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	156201	0	0	5.4				
AP9-1,4-DICHLOROBENZENE-D4	357275	0	0	7.81				

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 624
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		2	0	0		
PROPENE		0.001	0.001657159	166		
DICHLORODIFLUOROMETHANE		0.001	0.0009237491	92.4		
CHLOROMETHANE		0.001	0.001043523	104		
VINYL CHLORIDE		0.001	0.001006437	101		
1,3-BUTADIENE		0.001	0.00118267	118		
BROMOMETHANE		0.001	0.0009481967	94.8		
CHLOROETHANE		0.001	0.00103623	104		
TRICHLOROFLUOROMETHANE		0.001	0.0009998016	100		
DICHLOROFLUOROMETHANE		0.001	0.0009583974	95.8		
ETHYL ETHER		0.001	0.000991044	99.1		
ACROLEIN		0.005	0.00462331	92.5		
1,1-DICHLOROETHENE		0.001	0.001041351	104		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.001	0.001021083	102		
ACETONE		0.005	0.007282908	146		
IODOMETHANE		0.005	0.005056516	101		
CARBON DISULFIDE		0.001	0.001071466	107		
METHYLENE CHLORIDE		0.001	0.001737765	174		
ACRYLONITRILE		0.005	0.004799062	96		
n-Hexane		0.001	0.0009833951	98.3		
TRANS-1,2-DICHLOROETHENE		0.001	0.0009907463	99.1		
METHYL TERT-BUTYL ETHER		0.001	0.0009560278	95.6		
1,1-DICHLOROETHANE		0.001	0.00101394	101		
VINYL ACETATE		0.005	0.005098392	102		
DI-ISOPROPYL ETHER		0.001	0.001007808	101		
2,2-Dichloropropane		0.001	0.001042462	104		
CIS-1,2-DICHLOROETHENE		0.001	0.001041692	104		
2-BUTANONE (MEK)		0.005	0.004979029	99.6		
BROMOCHLOROMETHANE		0.001	0.0009964344	99.6		
TETRAHYDROFURAN		0.001	0.001286078	129		
CHLOROFORM		0.001	0.001720703	172		
1,1,1-TRICHLOROETHANE		0.001	0.0009620967	96.2		
CARBON TETRACHLORIDE		0.001	0.0009976692	99.8		
1,1-Dichloropropene		0.001	0.0009965205	99.7		
2,2,4-TRIMETHYLPENTANE		0.001	0.001002535	100		
HEPTANE		0.001	0.0009617366	96.2		
BENZENE		0.001	0.0009885737	98.9		
1,2-DICHLOROETHANE		0.001	0.0010252	103		
TRICHLOROETHENE		0.001	0.0009865502	98.7		
1,2-DICHLOROPROPANE		0.001	0.001067436	107		
DIBROMOMETHANE		0.001	0.0009986707	99.9		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 624
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.001	0.001054738	105		
2-CHLOROETHYL VINYL ETHER		0.005	0.004880951	97.6		
CIS-1,3-DICHLOROPROPENE		0.001	0.001014202	101		
4-METHYL-2-PENTANONE (MIBK)		0.005	0.004713675	94.3		
TOLUENE		0.001	0.0009973379	99.7		
TRANS-1,3-DICHLOROPROPENE		0.001	0.000938654	93.9		
1,1,2-TRICHLOROETHANE		0.001	0.001054017	105		
TETRACHLOROETHENE		0.001	0.0009997636	100		
1,3-Dichloropropane		0.001	0.001015786	102		
2-HEXANONE		0.005	0.00462878	92.6		
CHLORODIBROMOMETHANE		0.001	0.0009685019	96.9		
1,2-DIBROMOETHANE		0.001	0.001023805	102		
CHLOROBENZENE		0.001	0.0009572037	95.7		
1,1,1,2-TETRACHLOROETHANE		0.001	0.0009175427	91.8		
ETHYLBENZENE		0.001	0.0009959036	99.6		
M&P-XYLENE		0.002	0.001819758	91		
O-XYLENE		0.001	0.001009746	101		
XYLENES, TOTAL		0	0.002829504	101		
STYRENE		0.001	0.0009177595	91.8		
Bromoform		0.001	0.0009374862	93.7		
Isopropylbenzene		0.001	0.0009395973	94		
Bromobenzene		0.001	0.0008894899	88.9		
1,1,2,2-TETRACHLOROETHANE		0.001	0.0008833107	88.3		
1,2,3-TRICHLOROPROPANE		0.001	0.0007929415	79.3		
TRANS-1,4-DICHLORO-2-BUTENE		0.001	0.0008840915	88.4		
n-Propylbenzene		0.001	0.0009047111	90.5		
4-ETHYLTOLUENE		0.001	0.0009009564	90.1		
2-Chlorotoluene		0.001	0.0009619113	96.2		
4-Chlorotoluene		0.001	0.0009618	96.2		
1,3,5-Trimethylbenzene		0.001	0.0009029542	90.3		
tert-Butylbenzene		0.001	0.0009044266	90.4		
1,2,4-Trimethylbenzene		0.001	0.0009239348	92.4		
sec-Butylbenzene		0.001	0.0009139924	91.4		
1,3-DICHLOROBENZENE		0.001	0.0009162319	91.6		
p-Isopropyltoluene		0.001	0.000892898	89.3		
DICYCLOPENTADIENE		0.001	0.000925391	92.5		
1,4-DICHLOROBENZENE		0.001	0.001004013	100		
1,2,3-TRIMETHYLBENZENE		0.001	0.001018241	102		
1,2-DICHLOROBENZENE		0.001	0.001014868	101		
n-Butylbenzene		0.001	0.0009943189	99.4		
1,2-Dibromo-3-chloropropane		0.001	0.0009771446	97.7		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 624
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.001	0.001001686	100		
HEXACHLORO-1,3-BUTADIENE		0.001	0.001036929	104		
Naphthalene		0.001	0.001020321	102		
1,2,3-Trichlorobenzene		0.001	0.001054151	105		
1-Methylnaphthalene		0.001	0.0009974822	99.7		
2-Methylnaphthalene		0.001	0.00101453	101		
ETHANOL		0	0			
Bromoethane		0	0			
2-PROPANOL		0	0.00126295			
Methyl Acetate		0	0			
ACETONITRILE		0	0.00574617			
ALLYL CHLORIDE		0	0			
tert-BUTYL ALCOHOL		0	0.0006941684			
chloroprene		0	0.0009890771			
ETHYL TERT-BUTYL ETHER		0	0			
PROPIONITRILE		0	0			
Ethyl Acetate		0	0			
METHACRYLONITRILE		0	0.0004895759			
Cyclohexane		0	0			
tert-butyl formate		0	0			
ISOBUTANOL		0	0.001171872			
t-Amyl Alcohol		0	0			
TERT-AMYL METHYL ETHER		0	0			
N-BUTANOL		0	0			
Methyl Cyclohexane		0	0			
2-nitropropane		0	0			
METHYL METHACRYLATE		0	0.0008322066			
1,4-DIOXANE		0	0.01579601			
n-octane		0	0			
3,3-DIMETHYL-1-BUTANOL		0	0.006329676			
ETHYL METHACRYLATE		0	0			
CIS-1,4-DICHLORO-2-BUTENE		0	0			
Cyclohexanone		0	0			
PENTACHLOROETHANE		0	0			
Hexachloroethane		0	0			

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.03961969	99	78	121	
a,a,a-Trifluorotoluene	0.04	0.04150154	104	85	114	
TOLUENE-D8	0.04	0.04102817	103	89	111	
4-BROMOFLUOROBENZENE	0.04	0.03912836	97.8	71	126	

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 624
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	500022	227000	908000	3.92				
8260-1,4-DIFLUOROBENZENE	883322	406000	1620000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	156201	72300	289000	5.4				
8260-1,4-DICHLOROBENZENE-D4	357275	188000	751000	7.81				
AP9-PENTAFLUOROBENZENE	500022	0	0	3.92				
AP9-1,4-DIFLUOROBENZENE	883322	0	0	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	156201	0	0	5.4				
AP9-1,4-DICHLOROBENZENE-D4	357275	0	0	7.81				

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RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260SC
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SC

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		2	0	0		
PROPENE		0.001	0.001657159	166		
DICHLORODIFLUOROMETHANE		0.001	0.0009237491	92.4		
CHLOROMETHANE		0.001	0.001043523	104		
VINYL CHLORIDE		0.001	0.001006437	101		
1,3-BUTADIENE		0.001	0.00118267	118		
BROMOMETHANE		0.001	0.0009481967	94.8		
CHLOROETHANE		0.001	0.00103623	104		
TRICHLOROFLUOROMETHANE		0.001	0.0009998016	100		
DICHLOROFLUOROMETHANE		0.001	0.0009583974	95.8		
ETHYL ETHER		0.001	0.000991044	99.1		
ACROLEIN		0.005	0.00462331	92.5		
1,1-DICHLOROETHENE		0.001	0.001041351	104		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.001	0.001021083	102		
ACETONE		0.005	0.007282908	146		
IODOMETHANE		0.005	0.005056516	101		
CARBON DISULFIDE		0.001	0.001071466	107		
METHYLENE CHLORIDE		0.001	0.001737765	174		
ACRYLONITRILE		0.005	0.004799062	96		
n-Hexane		0.001	0.0009833951	98.3		
TRANS-1,2-DICHLOROETHENE		0.001	0.0009907463	99.1		
METHYL TERT-BUTYL ETHER		0.001	0.0009560278	95.6		
1,1-DICHLOROETHANE		0.001	0.00101394	101		
VINYL ACETATE		0.005	0.005098392	102		
DI-ISOPROPYL ETHER		0.001	0.001007808	101		
2,2-Dichloropropane		0.001	0.001042462	104		
CIS-1,2-DICHLOROETHENE		0.001	0.001041692	104		
2-BUTANONE (MEK)		0.005	0.004979029	99.6		
BROMOCHLOROMETHANE		0.001	0.0009964344	99.6		
TETRAHYDROFURAN		0.001	0.001286078	129		
CHLOROFORM		0.001	0.001720703	172		
1,1,1-TRICHLOROETHANE		0.001	0.0009620967	96.2		
CARBON TETRACHLORIDE		0.001	0.0009976692	99.8		
1,1-Dichloropropene		0.001	0.0009965205	99.7		
2,2,4-TRIMETHYLPENTANE		0.001	0.001002535	100		
HEPTANE		0.001	0.0009617366	96.2		
BENZENE		0.001	0.0009885737	98.9		
1,2-DICHLOROETHANE		0.001	0.0010252	103		
TRICHLOROETHENE		0.001	0.0009865502	98.7		
1,2-DICHLOROPROPANE		0.001	0.001067436	107		
DIBROMOMETHANE		0.001	0.0009986707	99.9		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260SC
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SC

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.001	0.001054738	105		
2-CHLOROETHYL VINYL ETHER		0.005	0.004880951	97.6		
CIS-1,3-DICHLOROPROPENE		0.001	0.001014202	101		
4-METHYL-2-PENTANONE (MIBK)		0.005	0.004713675	94.3		
TOLUENE		0.001	0.0009973379	99.7		
TRANS-1,3-DICHLOROPROPENE		0.001	0.000938654	93.9		
1,1,2-TRICHLOROETHANE		0.001	0.001054017	105		
TETRACHLOROETHENE		0.001	0.0009997636	100		
1,3-Dichloropropane		0.001	0.001015786	102		
2-HEXANONE		0.005	0.00462878	92.6		
CHLORODIBROMOMETHANE		0.001	0.0009685019	96.9		
1,2-DIBROMOETHANE		0.001	0.001023805	102		
CHLOROBENZENE		0.001	0.0009572037	95.7		
1,1,1,2-TETRACHLOROETHANE		0.001	0.0009175427	91.8		
ETHYLBENZENE		0.001	0.0009959036	99.6		
M&P-XYLENE		0.002	0.001819758	91		
O-XYLENE		0.001	0.001009746	101		
XYLENES, TOTAL		0	0.002829504	101		
STYRENE		0.001	0.0009177595	91.8		
Bromoform		0.001	0.0009374862	93.7		
Isopropylbenzene		0.001	0.0009395973	94		
Bromobenzene		0.001	0.0008894899	88.9		
1,1,2,2-TETRACHLOROETHANE		0.001	0.0008833107	88.3		
1,2,3-TRICHLOROPROPANE		0.001	0.0007929415	79.3		
TRANS-1,4-DICHLORO-2-BUTENE		0.001	0.0008840915	88.4		
n-Propylbenzene		0.001	0.0009047111	90.5		
4-ETHYLTOLUENE		0.001	0.0009009564	90.1		
2-Chlorotoluene		0.001	0.0009619113	96.2		
4-Chlorotoluene		0.001	0.0009618	96.2		
1,3,5-Trimethylbenzene		0.001	0.0009029542	90.3		
tert-Butylbenzene		0.001	0.0009044266	90.4		
1,2,4-Trimethylbenzene		0.001	0.0009239348	92.4		
sec-Butylbenzene		0.001	0.0009139924	91.4		
1,3-DICHLOROBENZENE		0.001	0.0009162319	91.6		
p-Isopropyltoluene		0.001	0.000892898	89.3		
DICYCLOPENTADIENE		0.001	0.000925391	92.5		
1,4-DICHLOROBENZENE		0.001	0.001004013	100		
1,2,3-TRIMETHYLBENZENE		0.001	0.001018241	102		
1,2-DICHLOROBENZENE		0.001	0.001014868	101		
n-Butylbenzene		0.001	0.0009943189	99.4		
1,2-Dibromo-3-chloropropane		0.001	0.0009771446	97.7		

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260SC
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SC

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.001	0.001001686	100		
HEXACHLORO-1,3-BUTADIENE		0.001	0.001036929	104		
Naphthalene		0.001	0.001020321	102		
1,2,3-Trichlorobenzene		0.001	0.001054151	105		
1-Methylnaphthalene		0.001	0.0009974822	99.7		
2-Methylnaphthalene		0.001	0.00101453	101		
ETHANOL		0	0			
Bromoethane		0	0			
2-PROPANOL		0	0.00126295			
Methyl Acetate		0	0			
ACETONITRILE		0	0.00574617			
ALLYL CHLORIDE		0	0			
tert-BUTYL ALCOHOL		0	0.0006941684			
chloroprene		0	0.0009890771			
ETHYL TERT-BUTYL ETHER		0	0			
PROPIONITRILE		0	0			
Ethyl Acetate		0	0			
METHACRYLONITRILE		0	0.0004895759			
Cyclohexane		0	0			
tert-butyl formate		0	0			
ISOBUTANOL		0	0.001171872			
t-Amyl Alcohol		0	0			
TERT-AMYL METHYL ETHER		0	0			
N-BUTANOL		0	0			
Methyl Cyclohexane		0	0			
2-nitropropane		0	0			
METHYL METHACRYLATE		0	0.0008322066			
1,4-DIOXANE		0	0.01579601			
n-octane		0	0			
3,3-DIMETHYL-1-BUTANOL		0	0.006329676			
ETHYL METHACRYLATE		0	0			
CIS-1,4-DICHLORO-2-BUTENE		0	0			
Cyclohexanone		0	0			
PENTACHLOROETHANE		0	0			
Hexachloroethane		0	0			

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.03961969	99	78	121	
a,a,a-Trifluorotoluene	0.04	0.04150154	104	85	114	
TOLUENE-D8	0.04	0.04102817	103	89	111	
4-BROMOFLUOROBENZENE	0.04	0.03912836	97.8	71	126	

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260SC
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SC

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	500022	227000	908000	3.92				
8260-1,4-DIFLUOROBENZENE	883322	406000	1620000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	156201	72300	289000	5.4				
8260-1,4-DICHLOROBENZENE-D4	357275	188000	751000	7.81				
AP9-PENTAFLUOROBENZENE	500022	0	0	3.92				
AP9-1,4-DIFLUOROBENZENE	883322	0	0	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	156201	0	0	5.4				
AP9-1,4-DICHLOROBENZENE-D4	357275	0	0	7.81				

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RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 6200
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SM 20th

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		2	0	0		
PROPENE		0.001	0.001657159	166		
DICHLORODIFLUOROMETHANE		0.001	0.0009237491	92.4		
CHLOROMETHANE		0.001	0.001043523	104		
VINYL CHLORIDE		0.001	0.001006437	101		
1,3-BUTADIENE		0.001	0.00118267	118		
BROMOMETHANE		0.001	0.0009481967	94.8		
CHLOROETHANE		0.001	0.00103623	104		
TRICHLOROFLUOROMETHANE		0.001	0.0009998016	100		
DICHLOROFLUOROMETHANE		0.001	0.0009583974	95.8		
ETHYL ETHER		0.001	0.000991044	99.1		
ACROLEIN		0.005	0.00462331	92.5		
1,1-DICHLOROETHENE		0.001	0.001041351	104		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.001	0.001021083	102		
ACETONE		0.005	0.007282908	146		
IODOMETHANE		0.005	0.005056516	101		
CARBON DISULFIDE		0.001	0.001071466	107		
METHYLENE CHLORIDE		0.001	0.001737765	174		
ACRYLONITRILE		0.005	0.004799062	96		
n-Hexane		0.001	0.0009833951	98.3		
TRANS-1,2-DICHLOROETHENE		0.001	0.0009907463	99.1		
METHYL TERT-BUTYL ETHER		0.001	0.0009560278	95.6		
1,1-DICHLOROETHANE		0.001	0.00101394	101		
VINYL ACETATE		0.005	0.005098392	102		
DI-ISOPROPYL ETHER		0.001	0.001007808	101		
2,2-Dichloropropane		0.001	0.001042462	104		
CIS-1,2-DICHLOROETHENE		0.001	0.001041692	104		
2-BUTANONE (MEK)		0.005	0.004979029	99.6		
BROMOCHLOROMETHANE		0.001	0.0009964344	99.6		
TETRAHYDROFURAN		0.001	0.001286078	129		
CHLOROFORM		0.001	0.001720703	172		
1,1,1-TRICHLOROETHANE		0.001	0.0009620967	96.2		
CARBON TETRACHLORIDE		0.001	0.0009976692	99.8		
1,1-Dichloropropene		0.001	0.0009965205	99.7		
2,2,4-TRIMETHYLPENTANE		0.001	0.001002535	100		
HEPTANE		0.001	0.0009617366	96.2		
BENZENE		0.001	0.0009885737	98.9		
1,2-DICHLOROETHANE		0.001	0.0010252	103		
TRICHLOROETHENE		0.001	0.0009865502	98.7		
1,2-DICHLOROPROPANE		0.001	0.001067436	107		
DIBROMOMETHANE		0.001	0.0009986707	99.9		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 6200
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SM 20th

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.001	0.001054738	105		
2-CHLOROETHYL VINYL ETHER		0.005	0.004880951	97.6		
CIS-1,3-DICHLOROPROPENE		0.001	0.001014202	101		
4-METHYL-2-PENTANONE (MIBK)		0.005	0.004713675	94.3		
TOLUENE		0.001	0.0009973379	99.7		
TRANS-1,3-DICHLOROPROPENE		0.001	0.000938654	93.9		
1,1,2-TRICHLOROETHANE		0.001	0.001054017	105		
TETRACHLOROETHENE		0.001	0.0009997636	100		
1,3-Dichloropropane		0.001	0.001015786	102		
2-HEXANONE		0.005	0.00462878	92.6		
CHLORODIBROMOMETHANE		0.001	0.0009685019	96.9		
1,2-DIBROMOETHANE		0.001	0.001023805	102		
CHLOROBENZENE		0.001	0.0009572037	95.7		
1,1,1,2-TETRACHLOROETHANE		0.001	0.0009175427	91.8		
ETHYLBENZENE		0.001	0.0009959036	99.6		
M&P-XYLENE		0.002	0.001819758	91		
O-XYLENE		0.001	0.001009746	101		
XYLENES, TOTAL		0	0.002829504	101		
STYRENE		0.001	0.0009177595	91.8		
Bromoform		0.001	0.0009374862	93.7		
Isopropylbenzene		0.001	0.0009395973	94		
Bromobenzene		0.001	0.0008894899	88.9		
1,1,2,2-TETRACHLOROETHANE		0.001	0.0008833107	88.3		
1,2,3-TRICHLOROPROPANE		0.001	0.0007929415	79.3		
TRANS-1,4-DICHLORO-2-BUTENE		0.001	0.0008840915	88.4		
n-Propylbenzene		0.001	0.0009047111	90.5		
4-ETHYLTOLUENE		0.001	0.0009009564	90.1		
2-Chlorotoluene		0.001	0.0009619113	96.2		
4-Chlorotoluene		0.001	0.0009618	96.2		
1,3,5-Trimethylbenzene		0.001	0.0009029542	90.3		
tert-Butylbenzene		0.001	0.0009044266	90.4		
1,2,4-Trimethylbenzene		0.001	0.0009239348	92.4		
sec-Butylbenzene		0.001	0.0009139924	91.4		
1,3-DICHLOROBENZENE		0.001	0.0009162319	91.6		
p-Isopropyltoluene		0.001	0.000892898	89.3		
DICYCLOPENTADIENE		0.001	0.000925391	92.5		
1,4-DICHLOROBENZENE		0.001	0.001004013	100		
1,2,3-TRIMETHYLBENZENE		0.001	0.001018241	102		
1,2-DICHLOROBENZENE		0.001	0.001014868	101		
n-Butylbenzene		0.001	0.0009943189	99.4		
1,2-Dibromo-3-chloropropane		0.001	0.0009771446	97.7		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 6200
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SM 20th

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.001	0.001001686	100		
HEXACHLORO-1,3-BUTADIENE		0.001	0.001036929	104		
Naphthalene		0.001	0.001020321	102		
1,2,3-Trichlorobenzene		0.001	0.001054151	105		
1-Methylnaphthalene		0.001	0.0009974822	99.7		
2-Methylnaphthalene		0.001	0.00101453	101		
ETHANOL		0	0			
Bromoethane		0	0			
2-PROPANOL		0	0.00126295			
Methyl Acetate		0	0			
ACETONITRILE		0	0.00574617			
ALLYL CHLORIDE		0	0			
tert-BUTYL ALCOHOL		0	0.0006941684			
chloroprene		0	0.0009890771			
ETHYL TERT-BUTYL ETHER		0	0			
PROPIONITRILE		0	0			
Ethyl Acetate		0	0			
METHACRYLONITRILE		0	0.0004895759			
Cyclohexane		0	0			
tert-butyl formate		0	0			
ISOBUTANOL		0	0.001171872			
t-Amyl Alcohol		0	0			
TERT-AMYL METHYL ETHER		0	0			
N-BUTANOL		0	0			
Methyl Cyclohexane		0	0			
2-nitropropane		0	0			
METHYL METHACRYLATE		0	0.0008322066			
1,4-DIOXANE		0	0.01579601			
n-octane		0	0			
3,3-DIMETHYL-1-BUTANOL		0	0.006329676			
ETHYL METHACRYLATE		0	0			
CIS-1,4-DICHLORO-2-BUTENE		0	0			
Cyclohexanone		0	0			
PENTACHLOROETHANE		0	0			
Hexachloroethane		0	0			

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.03961969	99	78	121	
a,a,a-Trifluorotoluene	0.04	0.04150154	104	85	114	
TOLUENE-D8	0.04	0.04102817	103	89	111	
4-BROMOFLUOROBENZENE	0.04	0.03912836	97.8	71	126	

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 6200
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SM 20th

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	500022	333000	618000	3.92				
8260-1,4-DIFLUOROBENZENE	883322	544000	1010000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	156201	95800	178000	5.4				
8260-1,4-DICHLOROBENZENE-D4	357275	246000	457000	7.81				
AP9-PENTAFLUOROBENZENE	500022	331000	615000	3.92				
AP9-1,4-DIFLUOROBENZENE	883322	573000	1060000	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	156201	100000	186000	5.4				
AP9-1,4-DICHLOROBENZENE-D4	357275	257000	477000	7.81				

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260C
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		2	0	0	50	150
PROPENE		0.001	0.001657159	166	50	150
DICHLORODIFLUOROMETHANE		0.001	0.0009237491	92.4	50	150
CHLOROMETHANE		0.001	0.001043523	104	50	150
VINYL CHLORIDE		0.001	0.001006437	101	50	150
1,3-BUTADIENE		0.001	0.00118267	118	50	150
BROMOMETHANE		0.001	0.0009481967	94.8	50	150
CHLOROETHANE		0.001	0.00103623	104	50	150
TRICHLOROFLUOROMETHANE		0.001	0.0009998016	100	50	150
DICHLOROFLUOROMETHANE		0.001	0.0009583974	95.8	50	150
ETHYL ETHER		0.001	0.000991044	99.1	50	150
ACROLEIN		0.005	0.00462331	92.5	50	150
1,1-DICHLOROETHENE		0.001	0.001041351	104	50	150
1,1,2-TRICHLOROTRIFLUOROETHANE		0.001	0.001021083	102	50	150
ACETONE		0.005	0.007282908	146	50	150
IODOMETHANE		0.005	0.005056516	101	50	150
CARBON DISULFIDE		0.001	0.001071466	107	50	150
METHYLENE CHLORIDE		0.001	0.001737765	174	50	150
ACRYLONITRILE		0.005	0.004799062	96	50	150
n-Hexane		0.001	0.0009833951	98.3	50	150
TRANS-1,2-DICHLOROETHENE		0.001	0.0009907463	99.1	50	150
METHYL TERT-BUTYL ETHER		0.001	0.0009560278	95.6	50	150
1,1-DICHLOROETHANE		0.001	0.00101394	101	50	150
VINYL ACETATE		0.005	0.005098392	102	50	150
DI-ISOPROPYL ETHER		0.001	0.001007808	101	50	150
2,2-Dichloropropane		0.001	0.001042462	104	50	150
CIS-1,2-DICHLOROETHENE		0.001	0.001041692	104	50	150
2-BUTANONE (MEK)		0.005	0.004979029	99.6	50	150
BROMOCHLOROMETHANE		0.001	0.0009964344	99.6	50	150
TETRAHYDROFURAN		0.001	0.001286078	129	50	150
CHLOROFORM		0.001	0.001720703	172	50	150
1,1,1-TRICHLOROETHANE		0.001	0.0009620967	96.2	50	150
CARBON TETRACHLORIDE		0.001	0.0009976692	99.8	50	150
1,1-Dichloropropene		0.001	0.0009965205	99.7	50	150
2,2,4-TRIMETHYLPENTANE		0.001	0.001002535	100	50	150
HEPTANE		0.001	0.0009617366	96.2	50	150
BENZENE		0.001	0.0009885737	98.9	50	150
1,2-DICHLOROETHANE		0.001	0.0010252	103	50	150
TRICHLOROETHENE		0.001	0.0009865502	98.7	50	150
1,2-DICHLOROPROPANE		0.001	0.001067436	107	50	150
DIBROMOMETHANE		0.001	0.0009986707	99.9	50	150

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260C
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.001	0.001054738	105	50	150
2-CHLOROETHYL VINYL ETHER		0.005	0.004880951	97.6	50	150
CIS-1,3-DICHLOROPROPENE		0.001	0.001014202	101	50	150
4-METHYL-2-PENTANONE (MIBK)		0.005	0.004713675	94.3	50	150
TOLUENE		0.001	0.0009973379	99.7	50	150
TRANS-1,3-DICHLOROPROPENE		0.001	0.000938654	93.9	50	150
1,1,2-TRICHLOROETHANE		0.001	0.001054017	105	50	150
TETRACHLOROETHENE		0.001	0.0009997636	100	50	150
1,3-Dichloropropane		0.001	0.001015786	102	50	150
2-HEXANONE		0.005	0.00462878	92.6	50	150
CHLORODIBROMOMETHANE		0.001	0.0009685019	96.9	50	150
1,2-DIBROMOETHANE		0.001	0.001023805	102	50	150
CHLOROBENZENE		0.001	0.0009572037	95.7	50	150
1,1,1,2-TETRACHLOROETHANE		0.001	0.0009175427	91.8	50	150
ETHYLBENZENE		0.001	0.0009959036	99.6	50	150
M&P-XYLENE		0.002	0.001819758	91	50	150
O-XYLENE		0.001	0.001009746	101	50	150
XYLENES, TOTAL		0	0.002829504	101	50	150
STYRENE		0.001	0.0009177595	91.8	50	150
Bromoform		0.001	0.0009374862	93.7	50	150
Isopropylbenzene		0.001	0.0009395973	94	50	150
Bromobenzene		0.001	0.0008894899	88.9	50	150
1,1,2,2-TETRACHLOROETHANE		0.001	0.0008833107	88.3	50	150
1,2,3-TRICHLOROPROPANE		0.001	0.0007929415	79.3	50	150
TRANS-1,4-DICHLORO-2-BUTENE		0.001	0.0008840915	88.4	50	150
n-Propylbenzene		0.001	0.0009047111	90.5	50	150
4-ETHYLTOLUENE		0.001	0.0009009564	90.1	50	150
2-Chlorotoluene		0.001	0.0009619113	96.2	50	150
4-Chlorotoluene		0.001	0.0009618	96.2	50	150
1,3,5-Trimethylbenzene		0.001	0.0009029542	90.3	50	150
tert-Butylbenzene		0.001	0.0009044266	90.4	50	150
1,2,4-Trimethylbenzene		0.001	0.0009239348	92.4	50	150
sec-Butylbenzene		0.001	0.0009139924	91.4	50	150
1,3-DICHLOROBENZENE		0.001	0.0009162319	91.6	50	150
p-Isopropyltoluene		0.001	0.000892898	89.3	50	150
DICYCLOPENTADIENE		0.001	0.000925391	92.5	50	150
1,4-DICHLOROBENZENE		0.001	0.001004013	100	50	150
1,2,3-TRIMETHYLBENZENE		0.001	0.001018241	102	50	150
1,2-DICHLOROBENZENE		0.001	0.001014868	101	50	150
n-Butylbenzene		0.001	0.0009943189	99.4	50	150
1,2-Dibromo-3-chloropropane		0.001	0.0009771446	97.7	50	150

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260C
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.001	0.001001686	100	50	150
HEXACHLORO-1,3-BUTADIENE		0.001	0.001036929	104	50	150
Naphthalene		0.001	0.001020321	102	50	150
1,2,3-Trichlorobenzene		0.001	0.001054151	105	50	150
1-Methylnaphthalene		0.001	0.0009974822	99.7	50	150
2-Methylnaphthalene		0.001	0.00101453	101	50	150
ETHANOL		0	0		50	150
Bromoethane		0	0		50	150
2-PROPANOL		0	0.00126295		50	150
Methyl Acetate		0	0		50	150
ACETONITRILE		0	0.00574617		50	150
ALLYL CHLORIDE		0	0		50	150
tert-BUTYL ALCOHOL		0	0.0006941684		50	150
chloroprene		0	0.0009890771		50	150
ETHYL TERT-BUTYL ETHER		0	0		50	150
PROPIONITRILE		0	0		50	150
Ethyl Acetate		0	0		50	150
METHACRYLONITRILE		0	0.0004895759		50	150
Cyclohexane		0	0		50	150
tert-butyl formate		0	0		50	150
ISOBUTANOL		0	0.001171872		50	150
t-Amyl Alcohol		0	0		50	150
TERT-AMYL METHYL ETHER		0	0		50	150
N-BUTANOL		0	0		50	150
Methyl Cyclohexane		0	0		70	130
2-nitropropane		0	0		50	150
METHYL METHACRYLATE		0	0.0008322066		50	150
1,4-DIOXANE		0	0.01579601		50	150
n-octane		0	0		50	150
3,3-DIMETHYL-1-BUTANOL		0	0.006329676		50	150
ETHYL METHACRYLATE		0	0		50	150
CIS-1,4-DICHLORO-2-BUTENE		0	0		50	150
Cyclohexanone		0	0		50	150
PENTACHLOROETHANE		0	0		50	150
Hexachloroethane		0	0		50	150

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.03961969	99	78	121	
a,a,a-Trifluorotoluene	0.04	0.04150154	104	85	114	
TOLUENE-D8	0.04	0.04102817	103	89	111	
4-BROMOFLUOROBENZENE	0.04	0.03912836	97.8	71	126	

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1849	ICal Method	: 8260C
Lab File ID	: 0711_09A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	500022	227000	908000	3.92				
8260-1,4-DIFLUOROBENZENE	883322	406000	1620000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	156201	72300	289000	5.4				
8260-1,4-DICHLOROBENZENE-D4	357275	188000	751000	7.81				
AP9-PENTAFLUOROBENZENE	500022	0	0	3.92				
AP9-1,4-DIFLUOROBENZENE	883322	0	0	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	156201	0	0	5.4				
AP9-1,4-DICHLOROBENZENE-D4	357275	0	0	7.81				

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 09A.D
Acq On : 11 Jul 2014 6:49 pm
Operator : 644
Sample : RL VMS 1 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:18:14 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
1)	8260-PENTAFLUOROBENZENE	3.917	168	500022	40.0000000	ppb		0.00
41)	8260-1,4-DIFLUOROBENZENE	4.239	114	883322	40.0000000	ppb		0.00
53)	8260-2-BROMO-1-CHLOROP...	5.396	79	156201	40.0000000	ppb		0.00
84)	8260-1,4-DICHLOROBENZE...	7.808	152	357275	40.0000000	ppb		0.00
96)	AP9-PENTAFLUOROBENZENE	3.917	168	500022	40.0000000	ppb		0.00
114)	AP9-1,4-DIFLUOROBENZENE	4.239	114	883322	40.0000000	ppb		0.00
122)	AP9-2-BROMO-1-CHLOROPR...	5.396	79	156201	40.0000000	ppb		0.00
128)	AP9-1,4-DICHLOROBENZEN...	7.808	152	357275	40.0000000	ppb		0.00
	System Monitoring Compounds							
33)	DIBROMOFLUOROMETHANE	3.673	111	281898	39.6196877	ppb		0.00
	Spiked Amount 40.000	Range 78 - 121			Recovery = 99.05%			
46)	a,a,a-Trifluorotoluene	4.608	146	501539	41.5015463	ppb		0.00
	Spiked Amount 40.000	Range 85 - 114			Recovery = 103.75%			
50)	TOLUENE-D8	5.068	98	1160422	41.0281676	ppb		0.00
	Spiked Amount 40.000	Range 89 - 111			Recovery = 102.57%			
68)	4-BROMOFLUOROBENZENE	6.956	95	404212	39.1283657	ppb		0.00
	Spiked Amount 40.000	Range 71 - 126			Recovery = 97.82%			
	Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	4.096	TIC -7276334		No Calib			
3)	PROPENE	1.416	41	4699	1.6571594	ppb	#	38
4)	DICHLORODIFLUOROMETHANE	1.467	85	7502	0.9237491	ppb		100
5)	CHLOROMETHANE	1.589	50	14539	1.0435228	ppb		95
6)	VINYL CHLORIDE	1.657	62	14838	1.0064367	ppb	#	85
7)	1,3-BUTADIENE	1.670	39	14199	1.1826702	ppb		90
8)	BROMOMETHANE	1.891	94	7282	0.9481967	ppb	#	87
9)	CHLOROETHANE	1.972	66	2676	1.0362300	ppb		94
10)	TRICHLOROFLUOROMETHANE	2.062	101	12756	0.9998016	ppb	#	94
11)	DICHLOROFLUOROMETHANE	2.097	67	17520	0.9583974	ppb		90
12)	ETHYL ETHER	2.229	59	9084	0.9910440	ppb		94
13)	ACROLEIN	2.554	56	7463	4.6233101	ppb		90
14)	1,1-DICHLOROETHENE	2.361	61	18857	1.0413508	ppb		97
15)	1,1,2-TRICHLOROTRIFLUO...	2.400	101	10276	1.0210831	ppb	#	95
16)	ACETONE	2.715	43	17973	7.2829077	ppb		97
17)	IODOMETHANE	2.451	142	87261	5.0565159	ppb		99
18)	CARBON DISULFIDE	2.390	76	44822	1.0714658	ppb		97
19)	METHYLENE CHLORIDE	2.695	84	20290	1.7377646	ppb		98
20)	ACRYLONITRILE	3.155	53	15012	4.7990619	ppb		99
21)	n-Hexane	2.827	56	10471	0.9833951	ppb		98
22)	TRANS-1,2-DICHLOROETHENE	2.789	96	10172	0.9907463	ppb		98
23)	METHYL TERT-BUTYL ETHER	2.840	73	26104	0.9560278	ppb		91
24)	1,1-DICHLOROETHANE	3.133	63	19875	1.0139402	ppb		95
25)	VINYL ACETATE	3.248	43	103365	5.0983921	ppb		99
26)	DI-ISOPROPYL ETHER	3.039	45	35993	1.0078076	ppb		98
27)	2,2-Dichloropropane	3.489	77	11311	1.0424624	ppb		100
28)	CIS-1,2-DICHLOROETHENE	3.432	96	10838	1.0416920	ppb		94
29)	2-BUTANONE (MEK)	3.734	43	19916	4.9790286	ppb		91
30)	BROMOCHLOROMETHANE	3.544	130	6320	0.9964344	ppb		77
31)	TETRAHYDROFURAN	3.670	42	3952	1.2860775	ppb	#	95
32)	CHLOROFORM	3.573	83	32097	1.7207035	ppb		99
34)	1,1,1-TRICHLOROETHANE	3.702	97	12931	0.9620967	ppb		93
35)	CARBON TETRACHLORIDE	3.666	117	13760	0.9976692	ppb		96

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 09A.D
Acq On : 11 Jul 2014 6:49 pm
Operator : 644
Sample : RL VMS 1 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:18:14 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	14704	0.9965205 ppb		96
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	46612	1.0025353 ppb		99
38) HEPTANE	3.862	43	19020	0.9617366 ppb	#	97
39) BENZENE	3.907	78	39972	0.9885737 ppb	#	77
40) 1,2-DICHLOROETHANE	4.017	62	12736	1.0252005 ppb		96
42) TRICHLOROETHENE	4.235	130	9421	0.9865503 ppb		93
43) 1,2-DICHLOROPROPANE	4.544	62	8119	1.0674364 ppb		94
44) DIBROMOMETHANE	4.489	93	5544	0.9986707 ppb		96
45) BROMODICHLOROMETHANE	4.570	83	13773	1.0547382 ppb		94
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	20291	4.8809515 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.952	75	16925	1.0142022 ppb		97
49) 4-METHYL-2-PENTANONE (...	5.319	58	17469	4.7136753 ppb		98
51) TOLUENE	5.100	91	41645	0.9973378 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	3170	0.9386540 ppb	#	3
54) 1,1,2-TRICHLOROETHANE	5.464	97	7930	1.0540167 ppb		95
55) TETRACHLOROETHENE	5.358	164	6996	0.9997636 ppb		96
56) 1,3-Dichloropropane	5.647	76	15318	1.0157864 ppb		96
57) 2-HEXANONE	5.869	58	16187	4.6287803 ppb		95
58) CHLORODIBROMOMETHANE	5.589	129	8576	0.9685019 ppb		95
59) 1,2-DIBROMOETHANE	5.759	107	8237	1.0238054 ppb		97
60) CHLOROBENZENE	6.107	112	24842	0.9572037 ppb		98
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	7789	0.9175427 ppb	#	93
62) ETHYLBENZENE	6.110	106	14272	0.9959036 ppb		97
63) M&P-XYLENE	6.210	106	31549	1.8197582 ppb		98
64) O-XYLENE	6.518	106	17726	1.0097462 ppb		88
65) STYRENE	6.554	104	24616	0.9177595 ppb		98
66) Bromoform	6.586	173	5037	0.9374862 ppb		99
67) Isopropylbenzene	6.737	105	40839	0.9395973 ppb		99
69) Bromobenzene	7.042	77	17237	0.8894899 ppb		97
70) 1,1,2,2-TETRACHLOROETHANE	7.094	83	9277	0.8833107 ppb		98
71) 1,2,3-TRICHLOROPROPANE	7.203	110	2325	0.7929416 ppb		96
72) TRANS-1,4-DICHLORO-2-B...	7.226	53	2579	0.8840915 ppb	#	91
73) n-Propylbenzene	7.042	91	46389	0.9047111 ppb		99
74) 4-ETHYLTOLUENE	7.123	105	36933	0.9009564 ppb		99
75) 2-Chlorotoluene	7.174	126	10043	0.9619113 ppb		90
76) 4-Chlorotoluene	7.296	91	29231	0.9618000 ppb		98
77) 1,3,5-Trimethylbenzene	7.184	105	32299	0.9029542 ppb		99
78) tert-Butylbenzene	7.431	119	27412	0.9044266 ppb		99
79) 1,2,4-Trimethylbenzene	7.483	105	32658	0.9239348 ppb		99
80) sec-Butylbenzene	7.570	105	43210	0.9139924 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	16843	0.9162319 ppb		99
82) p-Isopropyltoluene	7.673	119	33932	0.8928980 ppb		98
83) DICYCLOPENTADIENE	7.669	66	40895	0.9253910 ppb		99
85) 1,4-DICHLOROBENZENE	7.821	146	17077	1.0040131 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	35036	1.0182412 ppb		98
87) 1,2-DICHLOROBENZENE	8.155	146	15514	1.0148677 ppb		98
88) n-Butylbenzene	8.007	91	31342	0.9943189 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.795	157	1712	0.9771446 ppb		88
90) 1,2,4-Trichlorobenzene	9.354	180	10292	1.0016856 ppb		98
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	5802	1.0369293 ppb		96
92) Naphthalene	9.627	128	25176	1.0203211 ppb		96
93) 1,2,3-Trichlorobenzene	9.785	180	10027	1.0541510 ppb		95
94) 1-Methylnaphthalene	10.496	142	13054	0.9974822 ppb		99
95) 2-Methylnaphthalene	10.615	142	10763	1.0145297 ppb	#	96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 09A.D
Acq On : 11 Jul 2014 6:49 pm
Operator : 644
Sample : RL VMS 1 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:18:14 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.634	45	698	1.2629498 ppb #	1
100)	Methyl Acetate	2.779	43	766	N.D.	
101)	ACETONITRILE	3.039	41	5594	5.7461702 ppb #	29
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.875	59	750	0.6941684 ppb #	62
104)	chloroprene	3.155	53	15012	0.9890771 ppb #	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.673	43	970	N.D.	
108)	METHACRYLONITRILE	3.914	67	1755	0.4895759 ppb #	1
109)	Cyclohexane	3.570	84	1496	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	4.023	43	675	1.1718724 ppb #	20
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.907	73	1686	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.239	83	10447	N.D.	
117)	2-nitropropane	5.197	43	529	N.D.	
118)	METHYL METHACRYLATE	4.541	41	6587	0.8322066 ppb #	18
119)	1,4-DIOXANE	4.682	88	4269	15.7960076 ppb	93
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.869	57	5873	6.3296763 ppb #	40
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.483	117	1097	N.D.	
127)	Hexachloroethane	8.148	117	593	N.D.	

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

Quantitation Report (Not Reviewed)

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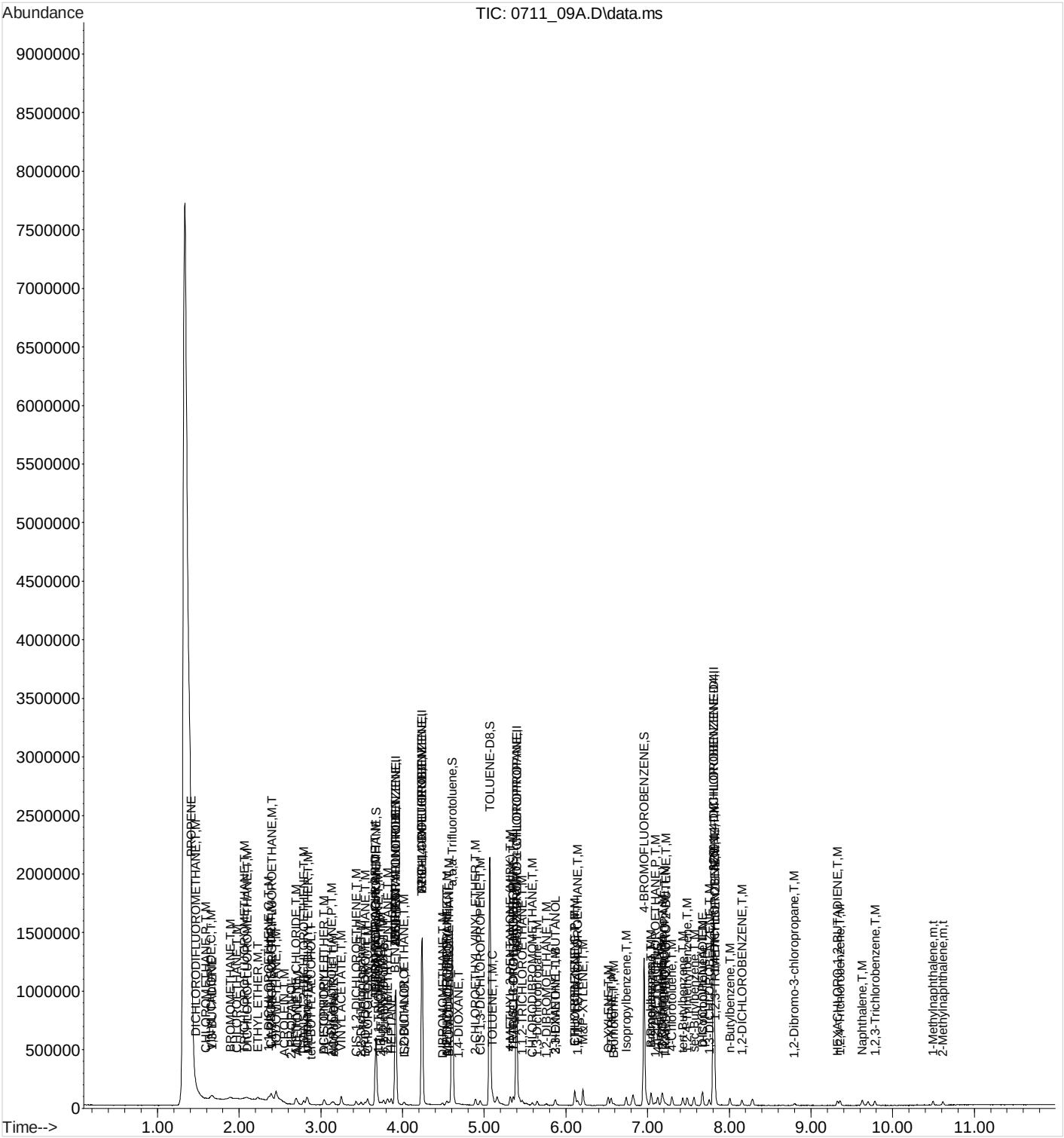

Quantitation Report (QT Reviewed)

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	500022	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.239	114	883322	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	156201	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	357275	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	500022	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.239	114	883322	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	156201	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	357275	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	281898	39.6196877 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 99.05%		
46) a,a,a-Trifluorotoluene	4.608	146	501539	41.5015463 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 103.75%		
50) TOLUENE-D8	5.068	98	1160422	41.0281676 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 102.57%		
68) 4-BROMOFLUOROBENZENE	6.956	95	404212	39.1283657 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 97.82%		

Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7276334		No Calib		
3) PROPENE	1.416	41	4699	1.6571594 ppb	#	38
4) DICHLORODIFLUOROMETHANE	1.467	85	7502	0.9237491 ppb		100
5) CHLOROMETHANE	1.589	50	14539	1.0435228 ppb		95
6) VINYL CHLORIDE	1.657	62	14838	1.0064367 ppb	#	85
7) 1,3-BUTADIENE	1.670	39	14199	1.1826702 ppb		90
8) BROMOMETHANE	1.891	94	7282	0.9481967 ppb	#	87
9) CHLOROETHANE	1.972	66	2676	1.0362300 ppb		94
10) TRICHLOROFLUOROMETHANE	2.062	101	12756	0.9998016 ppb	#	94
11) DICHLOROFLUOROMETHANE	2.097	67	17520	0.9583974 ppb		90
12) ETHYL ETHER	2.229	59	9084	0.9910440 ppb		94
13) ACROLEIN	2.554	56	7463	4.6233101 ppb		90
14) 1,1-DICHLOROETHENE	2.361	61	18857	1.0413508 ppb		97
15) 1,1,2-TRICHLOROTRIFLUO...	2.400	101	10276	1.0210831 ppb	#	95
16) ACETONE	2.715	43	17973	7.2829077 ppb		97
17) IODOMETHANE	2.451	142	87261	5.0565159 ppb		99
18) CARBON DISULFIDE	2.390	76	44822	1.0714658 ppb		97
19) METHYLENE CHLORIDE	2.695	84	20290	1.7377646 ppb		98
20) ACRYLONITRILE	3.155	53	15012	4.7990619 ppb		99
21) n-Hexane	2.827	56	10471	0.9833951 ppb		98
22) TRANS-1,2-DICHLOROETHENE	2.789	96	10172	0.9907463 ppb		98
23) METHYL TERT-BUTYL ETHER	2.840	73	26104	0.9560278 ppb		91
24) 1,1-DICHLOROETHANE	3.133	63	19875	1.0139402 ppb		95
25) VINYL ACETATE	3.248	43	103365	5.0983921 ppb		99
26) DI-ISOPROPYL ETHER	3.039	45	35993	1.0078076 ppb		98
27) 2,2-Dichloropropane	3.489	77	11311	1.0424624 ppb		100
28) CIS-1,2-DICHLOROETHENE	3.432	96	10838	1.0416920 ppb		94
29) 2-BUTANONE (MEK)	3.734	43	19916	4.9790286 ppb		91
30) BROMOCHLOROMETHANE	3.544	130	6320	0.9964344 ppb		77
31) TETRAHYDROFURAN	3.670	42	3952	1.2860775 ppb	#	95
32) CHLOROFORM	3.573	83	32097	1.7207035 ppb		99
34) 1,1,1-TRICHLOROETHANE	3.702	97	12931	0.9620967 ppb		93
35) CARBON TETRACHLORIDE	3.666	117	13760	0.9976692 ppb		96

Quantitation Report (QT Reviewed)

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ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

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Quant Method : C:\msdchem\1\methods\V823G11N.M
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	14704	0.9965205 ppb		96
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	46612	1.0025353 ppb		99
38) HEPTANE	3.862	43	19020	0.9617366 ppb	#	97
39) BENZENE	3.907	78	39972	0.9885737 ppb	#	77
40) 1,2-DICHLOROETHANE	4.017	62	12736	1.0252005 ppb		96
42) TRICHLOROETHENE	4.235	130	9421	0.9865503 ppb		93
43) 1,2-DICHLOROPROPANE	4.544	62	8119	1.0674364 ppb		94
44) DIBROMOMETHANE	4.489	93	5544	0.9986707 ppb		96
45) BROMODICHLOROMETHANE	4.570	83	13773	1.0547382 ppb		94
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	20291	4.8809515 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.952	75	16925	1.0142022 ppb		97
49) 4-METHYL-2-PENTANONE (...	5.319	58	17469	4.7136753 ppb		98
51) TOLUENE	5.100	91	41645	0.9973378 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	3170	0.9386540 ppb	#	3
54) 1,1,2-TRICHLOROETHANE	5.464	97	7930	1.0540167 ppb		95
55) TETRACHLOROETHENE	5.358	164	6996	0.9997636 ppb		96
56) 1,3-Dichloropropane	5.647	76	15318	1.0157864 ppb		96
57) 2-HEXANONE	5.869	58	16187	4.6287803 ppb		95
58) CHLORODIBROMOMETHANE	5.589	129	8576	0.9685019 ppb		95
59) 1,2-DIBROMOETHANE	5.759	107	8237	1.0238054 ppb		97
60) CHLOROBENZENE	6.107	112	24842	0.9572037 ppb		98
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	7789	0.9175427 ppb	#	93
62) ETHYLBENZENE	6.110	106	14272	0.9959036 ppb		97
63) M&P-XYLENE	6.210	106	31549	1.8197582 ppb		98
64) O-XYLENE	6.518	106	17726	1.0097462 ppb		88
65) STYRENE	6.554	104	24616	0.9177595 ppb		98
66) Bromoform	6.586	173	5037	0.9374862 ppb		99
67) Isopropylbenzene	6.737	105	40839	0.9395973 ppb		99
69) Bromobenzene	7.042	77	17237	0.8894899 ppb		97
70) 1,1,2,2-TETRACHLOROETHANE	7.094	83	9277	0.8833107 ppb		98
71) 1,2,3-TRICHLOROPROPANE	7.203	110	2325	0.7929416 ppb		96
72) TRANS-1,4-DICHLORO-2-B...	7.226	53	2579	0.8840915 ppb	#	91
73) n-Propylbenzene	7.042	91	46389	0.9047111 ppb		99
74) 4-ETHYLTOLUENE	7.123	105	36933	0.9009564 ppb		99
75) 2-Chlorotoluene	7.174	126	10043	0.9619113 ppb		90
76) 4-Chlorotoluene	7.296	91	29231	0.9618000 ppb		98
77) 1,3,5-Trimethylbenzene	7.184	105	32299	0.9029542 ppb		99
78) tert-Butylbenzene	7.431	119	27412	0.9044266 ppb		99
79) 1,2,4-Trimethylbenzene	7.483	105	32658	0.9239348 ppb		99
80) sec-Butylbenzene	7.570	105	43210	0.9139924 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	16843	0.9162319 ppb		99
82) p-Isopropyltoluene	7.673	119	33932	0.8928980 ppb		98
83) DICYCLOPENTADIENE	7.669	66	40895	0.9253910 ppb		99
85) 1,4-DICHLOROBENZENE	7.821	146	17077	1.0040131 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	35036	1.0182412 ppb		98
87) 1,2-DICHLOROBENZENE	8.155	146	15514	1.0148677 ppb		98
88) n-Butylbenzene	8.007	91	31342	0.9943189 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.795	157	1712	0.9771446 ppb		88
90) 1,2,4-Trichlorobenzene	9.354	180	10292	1.0016856 ppb		98
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	5802	1.0369293 ppb		96
92) Naphthalene	9.627	128	25176	1.0203211 ppb		96
93) 1,2,3-Trichlorobenzene	9.785	180	10027	1.0541510 ppb		95
94) 1-Methylnaphthalene	10.496	142	13054	0.9974822 ppb		99
95) 2-Methylnaphthalene	10.615	142	10763	1.0145297 ppb	#	96

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	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.634	45	698	1.2629498 ppb #	1
100)	Methyl Acetate	2.779	43	766	N.D.	
101)	ACETONITRILE	3.039	41	5594	5.7461702 ppb #	29
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.875	59	750	0.6941684 ppb #	62
104)	chloroprene	3.155	53	15012	0.9890771 ppb #	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.673	43	970	N.D.	
108)	METHACRYLONITRILE	3.914	67	1755	0.4895759 ppb #	1
109)	Cyclohexane	3.570	84	1496	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	4.023	43	675	1.1718724 ppb #	20
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.907	73	1686	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.239	83	10447	N.D.	
117)	2-nitropropane	5.197	43	529	N.D.	
118)	METHYL METHACRYLATE	4.541	41	6587	0.8322066 ppb #	18
119)	1,4-DIOXANE	4.682	88	4269	15.7960076 ppb	93
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.869	57	5873	6.3296763 ppb #	40
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.483	117	1097	N.D.	
127)	Hexachloroethane	8.148	117	593	N.D.	

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

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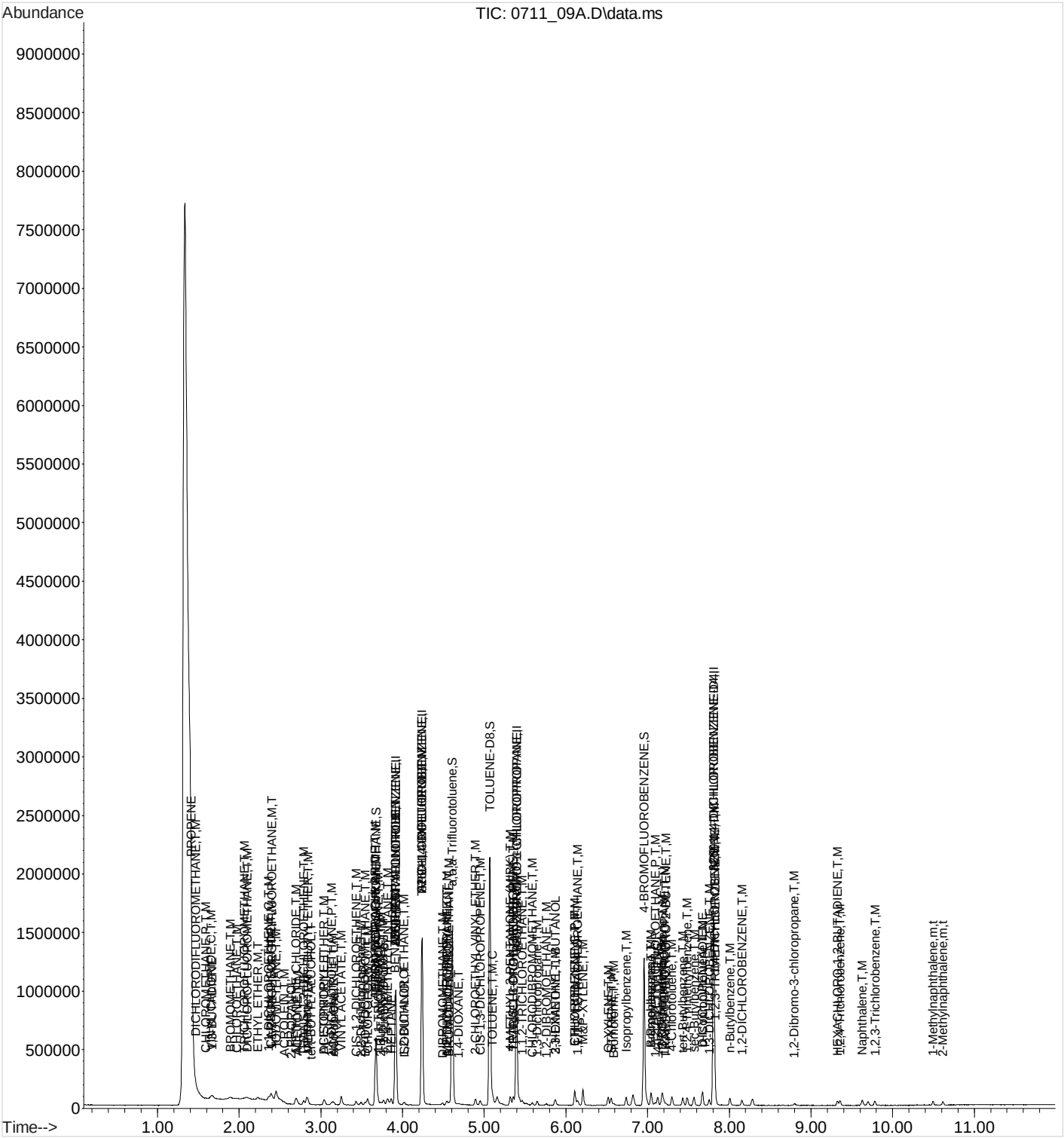

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260B
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		4	0	0	60	140
PROPENE		0.002	0.001999805	100	60	140
DICHLORODIFLUOROMETHANE		0.002	0.001959408	98	60	140
CHLOROMETHANE		0.002	0.002035606	102	60	140
VINYL CHLORIDE		0.002	0.001966264	98.3	60	140
1,3-BUTADIENE		0.002	0.001974392	98.7	60	140
BROMOMETHANE		0.002	0.002049805	102	60	140
CHLOROETHANE		0.002	0.002002804	100	60	140
TRICHLOROFLUOROMETHANE		0.002	0.002003842	100	60	140
DICHLOROFLUOROMETHANE		0.002	0.002041825	102	60	140
ETHYL ETHER		0.002	0.002007403	100	60	140
ACROLEIN		0.01	0.00964909	96.5	60	140
1,1-DICHLOROETHENE		0.002	0.001940453	97	60	140
1,1,2-TRICHLOROTRIFLUOROETHANE		0.002	0.001970313	98.5	60	140
ACETONE		0.01	0.01187445	119	60	140
IODOMETHANE		0.01	0.01007987	101	60	140
CARBON DISULFIDE		0.002	0.001960014	98	60	140
METHYLENE CHLORIDE		0.002	0.002644469	132	60	140
ACRYLONITRILE		0.01	0.01012386	101	60	140
n-Hexane		0.002	0.001931349	96.6	60	140
TRANS-1,2-DICHLOROETHENE		0.002	0.001947538	97.4	60	140
METHYL TERT-BUTYL ETHER		0.002	0.001991034	99.6	60	140
1,1-DICHLOROETHANE		0.002	0.001981021	99.1	60	140
VINYL ACETATE		0.01	0.01009765	101	60	140
DI-ISOPROPYL ETHER		0.002	0.001973279	98.7	60	140
2,2-Dichloropropane		0.002	0.002156957	108	60	140
CIS-1,2-DICHLOROETHENE		0.002	0.001938156	96.9	60	140
2-BUTANONE (MEK)		0.01	0.009845812	98.5	60	140
BROMOCHLOROMETHANE		0.002	0.002015503	101	60	140
TETRAHYDROFURAN		0.002	0.002158272	108	60	140
CHLOROFORM		0.002	0.002569671	128	60	140
1,1,1-TRICHLOROETHANE		0.002	0.001928269	96.4	60	140
CARBON TETRACHLORIDE		0.002	0.001950174	97.5	60	140
1,1-Dichloropropene		0.002	0.00191879	95.9	60	140
2,2,4-TRIMETHYLPENTANE		0.002	0.001929194	96.5	60	140
HEPTANE		0.002	0.001805736	90.3	60	140
BENZENE		0.002	0.001922689	96.1	60	140
1,2-DICHLOROETHANE		0.002	0.001937932	96.9	60	140
TRICHLOROETHENE		0.002	0.001947165	97.4	60	140
1,2-DICHLOROPROPANE		0.002	0.001967335	98.4	60	140
DIBROMOMETHANE		0.002	0.001876958	93.8	60	140

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260B
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.002	0.001948305	97.4	60	140
2-CHLOROETHYL VINYL ETHER		0.01	0.009460782	94.6	60	140
CIS-1,3-DICHLOROPROPENE		0.002	0.001885126	94.3	60	140
4-METHYL-2-PENTANONE (MIBK)		0.01	0.009436126	94.4	60	140
TOLUENE		0.002	0.001850744	92.5	60	140
TRANS-1,3-DICHLOROPROPENE		0.002	0.001841324	92.1	60	140
1,1,2-TRICHLOROETHANE		0.002	0.001926454	96.3	60	140
TETRACHLOROETHENE		0.002	0.001834811	91.7	60	140
1,3-Dichloropropane		0.002	0.001930626	96.5	60	140
2-HEXANONE		0.01	0.009405865	94.1	60	140
CHLORODIBROMOMETHANE		0.002	0.001917667	95.9	60	140
1,2-DIBROMOETHANE		0.002	0.001876331	93.8	60	140
CHLOROBENZENE		0.002	0.00188792	94.4	60	140
1,1,1,2-TETRACHLOROETHANE		0.002	0.002020162	101	60	140
ETHYLBENZENE		0.002	0.001892906	94.6	60	140
M&P-XYLENE		0.004	0.00379982	95	60	140
O-XYLENE		0.002	0.001954239	97.7	60	140
XYLENES, TOTAL		0	0.005754059	97.7	60	140
STYRENE		0.002	0.001850153	92.5	60	140
Bromoform		0.002	0.001890471	94.5	60	140
Isopropylbenzene		0.002	0.001893772	94.7	60	140
Bromobenzene		0.002	0.001884706	94.2	60	140
1,1,2,2-TETRACHLOROETHANE		0.002	0.001974963	98.7	60	140
1,2,3-TRICHLOROPROPANE		0.002	0.001950274	97.5	60	140
TRANS-1,4-DICHLORO-2-BUTENE		0.002	0.001940831	97	60	140
n-Propylbenzene		0.002	0.001868512	93.4	60	140
4-ETHYLTOLUENE		0.002	0.001857884	92.9	60	140
2-Chlorotoluene		0.002	0.001853027	92.7	60	140
4-Chlorotoluene		0.002	0.001811186	90.6	60	140
1,3,5-Trimethylbenzene		0.002	0.001831853	91.6	60	140
tert-Butylbenzene		0.002	0.001882335	94.1	60	140
1,2,4-Trimethylbenzene		0.002	0.001853344	92.7	60	140
sec-Butylbenzene		0.002	0.001868398	93.4	60	140
1,3-DICHLOROBENZENE		0.002	0.001859307	93	60	140
p-Isopropyltoluene		0.002	0.001824365	91.2	60	140
DICYCLOPENTADIENE		0.002	0.001865553	93.3	60	140
1,4-DICHLOROBENZENE		0.002	0.001914353	95.7	60	140
1,2,3-TRIMETHYLBENZENE		0.002	0.001916913	95.8	60	140
1,2-DICHLOROBENZENE		0.002	0.002014028	101	60	140
n-Butylbenzene		0.002	0.001907048	95.4	60	140
1,2-Dibromo-3-chloropropane		0.002	0.002003406	100	60	140

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260B
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.002	0.00194339	97.2	60	140
HEXACHLORO-1,3-BUTADIENE		0.002	0.002068949	103	60	140
Naphthalene		0.002	0.001935207	96.8	60	140
1,2,3-Trichlorobenzene		0.002	0.002003001	100	60	140
1-Methylnaphthalene		0.002	0.001962434	98.1	60	140
2-Methylnaphthalene		0.002	0.00192159	96.1	60	140
ETHANOL		0	0		60	140
Bromoethane		0	0		60	140
2-PROPANOL		0	0.001828361		60	140
Methyl Acetate		0	0.004807104		60	140
ACETONITRILE		0	0.01133756		60	140
ALLYL CHLORIDE		0	0		60	140
tert-BUTYL ALCOHOL		0	0.001218445		60	140
chloroprene		0	0.002086507		60	140
ETHYL TERT-BUTYL ETHER		0	0		60	140
PROPIONITRILE		0	0		60	140
Ethyl Acetate		0	0		60	140
METHACRYLONITRILE		0	0.0005065827		60	140
Cyclohexane		0	0		60	140
tert-butyl formate		0	0		60	140
ISOBUTANOL		0	0.0009250357		60	140
t-Amyl Alcohol		0	0		60	140
TERT-AMYL METHYL ETHER		0	0		60	140
N-BUTANOL		0	0		60	140
Methyl Cyclohexane		0	0		60	140
2-nitropropane		0	0		60	140
METHYL METHACRYLATE		0	0.001486122		60	140
1,4-DIOXANE		0	0.006888356		60	140
n-octane		0	0		60	140
3,3-DIMETHYL-1-BUTANOL		0	0.01219421		60	140
ETHYL METHACRYLATE		0	0		60	140
CIS-1,4-DICHLORO-2-BUTENE		0	0		60	140
Cyclohexanone		0	0		60	140
PENTACHLOROETHANE		0	0.0004995333		60	140
Hexachloroethane		0	0		60	140

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.041492	104	78	121	
a,a,a-Trifluorotoluene	0.04	0.04299149	107	85	114	
TOLUENE-D8	0.04	0.0421755	105	89	111	
4-BROMOFLUOROBENZENE	0.04	0.04104856	103	71	126	

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RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260B
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	480482	227000	908000	3.91				
8260-1,4-DIFLUOROBENZENE	852998	406000	1620000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	151245	72300	289000	5.4				
8260-1,4-DICHLOROBENZENE-D4	370807	188000	751000	7.81				
AP9-PENTAFLUOROBENZENE	480482	0	0	3.91				
AP9-1,4-DIFLUOROBENZENE	852998	0	0	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	151245	0	0	5.4				
AP9-1,4-DICHLOROBENZENE-D4	370807	0	0	7.81				

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RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 601-602
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		4	0	0		
PROPENE		0.002	0.001999805	100		
DICHLORODIFLUOROMETHANE		0.002	0.001959408	98		
CHLOROMETHANE		0.002	0.002035606	102		
VINYL CHLORIDE		0.002	0.001966264	98.3		
1,3-BUTADIENE		0.002	0.001974392	98.7		
BROMOMETHANE		0.002	0.002049805	102		
CHLOROETHANE		0.002	0.002002804	100		
TRICHLOROFLUOROMETHANE		0.002	0.002003842	100		
DICHLOROFLUOROMETHANE		0.002	0.002041825	102		
ETHYL ETHER		0.002	0.002007403	100		
ACROLEIN		0.01	0.00964909	96.5		
1,1-DICHLOROETHENE		0.002	0.001940453	97		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.002	0.001970313	98.5		
ACETONE		0.01	0.01187445	119		
IODOMETHANE		0.01	0.01007987	101		
CARBON DISULFIDE		0.002	0.001960014	98		
METHYLENE CHLORIDE		0.002	0.002644469	132		
ACRYLONITRILE		0.01	0.01012386	101		
n-Hexane		0.002	0.001931349	96.6		
TRANS-1,2-DICHLOROETHENE		0.002	0.001947538	97.4		
METHYL TERT-BUTYL ETHER		0.002	0.001991034	99.6		
1,1-DICHLOROETHANE		0.002	0.001981021	99.1		
VINYL ACETATE		0.01	0.01009765	101		
DI-ISOPROPYL ETHER		0.002	0.001973279	98.7		
2,2-Dichloropropane		0.002	0.002156957	108		
CIS-1,2-DICHLOROETHENE		0.002	0.001938156	96.9		
2-BUTANONE (MEK)		0.01	0.009845812	98.5		
BROMOCHLOROMETHANE		0.002	0.002015503	101		
TETRAHYDROFURAN		0.002	0.002158272	108		
CHLOROFORM		0.002	0.002569671	128		
1,1,1-TRICHLOROETHANE		0.002	0.001928269	96.4		
CARBON TETRACHLORIDE		0.002	0.001950174	97.5		
1,1-Dichloropropene		0.002	0.00191879	95.9		
2,2,4-TRIMETHYLPENTANE		0.002	0.001929194	96.5		
HEPTANE		0.002	0.001805736	90.3		
BENZENE		0.002	0.001922689	96.1		
1,2-DICHLOROETHANE		0.002	0.001937932	96.9		
TRICHLOROETHENE		0.002	0.001947165	97.4		
1,2-DICHLOROPROPANE		0.002	0.001967335	98.4		
DIBROMOMETHANE		0.002	0.001876958	93.8		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 601-602
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.002	0.001948305	97.4		
2-CHLOROETHYL VINYL ETHER		0.01	0.009460782	94.6		
CIS-1,3-DICHLOROPROPENE		0.002	0.001885126	94.3		
4-METHYL-2-PENTANONE (MIBK)		0.01	0.009436126	94.4		
TOLUENE		0.002	0.001850744	92.5		
TRANS-1,3-DICHLOROPROPENE		0.002	0.001841324	92.1		
1,1,2-TRICHLOROETHANE		0.002	0.001926454	96.3		
TETRACHLOROETHENE		0.002	0.001834811	91.7		
1,3-Dichloropropane		0.002	0.001930626	96.5		
2-HEXANONE		0.01	0.009405865	94.1		
CHLORODIBROMOMETHANE		0.002	0.001917667	95.9		
1,2-DIBROMOETHANE		0.002	0.001876331	93.8		
CHLOROBENZENE		0.002	0.00188792	94.4		
1,1,1,2-TETRACHLOROETHANE		0.002	0.002020162	101		
ETHYLBENZENE		0.002	0.001892906	94.6		
M&P-XYLENE		0.004	0.00379982	95		
O-XYLENE		0.002	0.001954239	97.7		
XYLENES, TOTAL		0	0.005754059	97.7		
STYRENE		0.002	0.001850153	92.5		
Bromoform		0.002	0.001890471	94.5		
Isopropylbenzene		0.002	0.001893772	94.7		
Bromobenzene		0.002	0.001884706	94.2		
1,1,2,2-TETRACHLOROETHANE		0.002	0.001974963	98.7		
1,2,3-TRICHLOROPROPANE		0.002	0.001950274	97.5		
TRANS-1,4-DICHLORO-2-BUTENE		0.002	0.001940831	97		
n-Propylbenzene		0.002	0.001868512	93.4		
4-ETHYLTOLUENE		0.002	0.001857884	92.9		
2-Chlorotoluene		0.002	0.001853027	92.7		
4-Chlorotoluene		0.002	0.001811186	90.6		
1,3,5-Trimethylbenzene		0.002	0.001831853	91.6		
tert-Butylbenzene		0.002	0.001882335	94.1		
1,2,4-Trimethylbenzene		0.002	0.001853344	92.7		
sec-Butylbenzene		0.002	0.001868398	93.4		
1,3-DICHLOROBENZENE		0.002	0.001859307	93		
p-Isopropyltoluene		0.002	0.001824365	91.2		
DICYCLOPENTADIENE		0.002	0.001865553	93.3		
1,4-DICHLOROBENZENE		0.002	0.001914353	95.7		
1,2,3-TRIMETHYLBENZENE		0.002	0.001916913	95.8		
1,2-DICHLOROBENZENE		0.002	0.002014028	101		
n-Butylbenzene		0.002	0.001907048	95.4		
1,2-Dibromo-3-chloropropane		0.002	0.002003406	100		

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 601-602
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.002	0.00194339	97.2		
HEXACHLORO-1,3-BUTADIENE		0.002	0.002068949	103		
Naphthalene		0.002	0.001935207	96.8		
1,2,3-Trichlorobenzene		0.002	0.002003001	100		
1-Methylnaphthalene		0.002	0.001962434	98.1		
2-Methylnaphthalene		0.002	0.00192159	96.1		
ETHANOL		0	0			
Bromoethane		0	0			
2-PROPANOL		0	0.001828361			
Methyl Acetate		0	0.004807104			
ACETONITRILE		0	0.01133756			
ALLYL CHLORIDE		0	0			
tert-BUTYL ALCOHOL		0	0.001218445			
chloroprene		0	0.002086507			
ETHYL TERT-BUTYL ETHER		0	0			
PROPIONITRILE		0	0			
Ethyl Acetate		0	0			
METHACRYLONITRILE		0	0.0005065827			
Cyclohexane		0	0			
tert-butyl formate		0	0			
ISOBUTANOL		0	0.0009250357			
t-Amyl Alcohol		0	0			
TERT-AMYL METHYL ETHER		0	0			
N-BUTANOL		0	0			
Methyl Cyclohexane		0	0			
2-nitropropane		0	0			
METHYL METHACRYLATE		0	0.001486122			
1,4-DIOXANE		0	0.006888356			
n-octane		0	0			
3,3-DIMETHYL-1-BUTANOL		0	0.01219421			
ETHYL METHACRYLATE		0	0			
CIS-1,4-DICHLORO-2-BUTENE		0	0			
Cyclohexanone		0	0			
PENTACHLOROETHANE		0	0.0004995333			
Hexachloroethane		0	0			

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.041492	104	78	121	
a,a,a-Trifluorotoluene	0.04	0.04299149	107	85	114	
TOLUENE-D8	0.04	0.0421755	105	89	111	
4-BROMOFLUOROBENZENE	0.04	0.04104856	103	71	126	

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 601-602
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	480482	227000	908000	3.91				
8260-1,4-DIFLUOROBENZENE	852998	406000	1620000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	151245	72300	289000	5.4				
8260-1,4-DICHLOROBENZENE-D4	370807	188000	751000	7.81				
AP9-PENTAFLUOROBENZENE	480482	0	0	3.91				
AP9-1,4-DIFLUOROBENZENE	852998	0	0	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	151245	0	0	5.4				
AP9-1,4-DICHLOROBENZENE-D4	370807	0	0	7.81				

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RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 624
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		4	0	0		
PROPENE		0.002	0.001999805	100		
DICHLORODIFLUOROMETHANE		0.002	0.001959408	98		
CHLOROMETHANE		0.002	0.002035606	102		
VINYL CHLORIDE		0.002	0.001966264	98.3		
1,3-BUTADIENE		0.002	0.001974392	98.7		
BROMOMETHANE		0.002	0.002049805	102		
CHLOROETHANE		0.002	0.002002804	100		
TRICHLOROFLUOROMETHANE		0.002	0.002003842	100		
DICHLOROFLUOROMETHANE		0.002	0.002041825	102		
ETHYL ETHER		0.002	0.002007403	100		
ACROLEIN		0.01	0.00964909	96.5		
1,1-DICHLOROETHENE		0.002	0.001940453	97		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.002	0.001970313	98.5		
ACETONE		0.01	0.01187445	119		
IODOMETHANE		0.01	0.01007987	101		
CARBON DISULFIDE		0.002	0.001960014	98		
METHYLENE CHLORIDE		0.002	0.002644469	132		
ACRYLONITRILE		0.01	0.01012386	101		
n-Hexane		0.002	0.001931349	96.6		
TRANS-1,2-DICHLOROETHENE		0.002	0.001947538	97.4		
METHYL TERT-BUTYL ETHER		0.002	0.001991034	99.6		
1,1-DICHLOROETHANE		0.002	0.001981021	99.1		
VINYL ACETATE		0.01	0.01009765	101		
DI-ISOPROPYL ETHER		0.002	0.001973279	98.7		
2,2-Dichloropropane		0.002	0.002156957	108		
CIS-1,2-DICHLOROETHENE		0.002	0.001938156	96.9		
2-BUTANONE (MEK)		0.01	0.009845812	98.5		
BROMOCHLOROMETHANE		0.002	0.002015503	101		
TETRAHYDROFURAN		0.002	0.002158272	108		
CHLOROFORM		0.002	0.002569671	128		
1,1,1-TRICHLOROETHANE		0.002	0.001928269	96.4		
CARBON TETRACHLORIDE		0.002	0.001950174	97.5		
1,1-Dichloropropene		0.002	0.00191879	95.9		
2,2,4-TRIMETHYLPENTANE		0.002	0.001929194	96.5		
HEPTANE		0.002	0.001805736	90.3		
BENZENE		0.002	0.001922689	96.1		
1,2-DICHLOROETHANE		0.002	0.001937932	96.9		
TRICHLOROETHENE		0.002	0.001947165	97.4		
1,2-DICHLOROPROPANE		0.002	0.001967335	98.4		
DIBROMOMETHANE		0.002	0.001876958	93.8		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 624
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.002	0.001948305	97.4		
2-CHLOROETHYL VINYL ETHER		0.01	0.009460782	94.6		
CIS-1,3-DICHLOROPROPENE		0.002	0.001885126	94.3		
4-METHYL-2-PENTANONE (MIBK)		0.01	0.009436126	94.4		
TOLUENE		0.002	0.001850744	92.5		
TRANS-1,3-DICHLOROPROPENE		0.002	0.001841324	92.1		
1,1,2-TRICHLOROETHANE		0.002	0.001926454	96.3		
TETRACHLOROETHENE		0.002	0.001834811	91.7		
1,3-Dichloropropane		0.002	0.001930626	96.5		
2-HEXANONE		0.01	0.009405865	94.1		
CHLORODIBROMOMETHANE		0.002	0.001917667	95.9		
1,2-DIBROMOETHANE		0.002	0.001876331	93.8		
CHLOROBENZENE		0.002	0.00188792	94.4		
1,1,1,2-TETRACHLOROETHANE		0.002	0.002020162	101		
ETHYLBENZENE		0.002	0.001892906	94.6		
M&P-XYLENE		0.004	0.00379982	95		
O-XYLENE		0.002	0.001954239	97.7		
XYLENES, TOTAL		0	0.005754059	97.7		
STYRENE		0.002	0.001850153	92.5		
Bromoform		0.002	0.001890471	94.5		
Isopropylbenzene		0.002	0.001893772	94.7		
Bromobenzene		0.002	0.001884706	94.2		
1,1,2,2-TETRACHLOROETHANE		0.002	0.001974963	98.7		
1,2,3-TRICHLOROPROPANE		0.002	0.001950274	97.5		
TRANS-1,4-DICHLORO-2-BUTENE		0.002	0.001940831	97		
n-Propylbenzene		0.002	0.001868512	93.4		
4-ETHYLTOLUENE		0.002	0.001857884	92.9		
2-Chlorotoluene		0.002	0.001853027	92.7		
4-Chlorotoluene		0.002	0.001811186	90.6		
1,3,5-Trimethylbenzene		0.002	0.001831853	91.6		
tert-Butylbenzene		0.002	0.001882335	94.1		
1,2,4-Trimethylbenzene		0.002	0.001853344	92.7		
sec-Butylbenzene		0.002	0.001868398	93.4		
1,3-DICHLOROBENZENE		0.002	0.001859307	93		
p-Isopropyltoluene		0.002	0.001824365	91.2		
DICYCLOPENTADIENE		0.002	0.001865553	93.3		
1,4-DICHLOROBENZENE		0.002	0.001914353	95.7		
1,2,3-TRIMETHYLBENZENE		0.002	0.001916913	95.8		
1,2-DICHLOROBENZENE		0.002	0.002014028	101		
n-Butylbenzene		0.002	0.001907048	95.4		
1,2-Dibromo-3-chloropropane		0.002	0.002003406	100		

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 624
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.002	0.00194339	97.2		
HEXACHLORO-1,3-BUTADIENE		0.002	0.002068949	103		
Naphthalene		0.002	0.001935207	96.8		
1,2,3-Trichlorobenzene		0.002	0.002003001	100		
1-Methylnaphthalene		0.002	0.001962434	98.1		
2-Methylnaphthalene		0.002	0.00192159	96.1		
ETHANOL		0	0			
Bromoethane		0	0			
2-PROPANOL		0	0.001828361			
Methyl Acetate		0	0.004807104			
ACETONITRILE		0	0.01133756			
ALLYL CHLORIDE		0	0			
tert-BUTYL ALCOHOL		0	0.001218445			
chloroprene		0	0.002086507			
ETHYL TERT-BUTYL ETHER		0	0			
PROPIONITRILE		0	0			
Ethyl Acetate		0	0			
METHACRYLONITRILE		0	0.0005065827			
Cyclohexane		0	0			
tert-butyl formate		0	0			
ISOBUTANOL		0	0.0009250357			
t-Amyl Alcohol		0	0			
TERT-AMYL METHYL ETHER		0	0			
N-BUTANOL		0	0			
Methyl Cyclohexane		0	0			
2-nitropropane		0	0			
METHYL METHACRYLATE		0	0.001486122			
1,4-DIOXANE		0	0.006888356			
n-octane		0	0			
3,3-DIMETHYL-1-BUTANOL		0	0.01219421			
ETHYL METHACRYLATE		0	0			
CIS-1,4-DICHLORO-2-BUTENE		0	0			
Cyclohexanone		0	0			
PENTACHLOROETHANE		0	0.0004995333			
Hexachloroethane		0	0			

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.041492	104	78	121	
a,a,a-Trifluorotoluene	0.04	0.04299149	107	85	114	
TOLUENE-D8	0.04	0.0421755	105	89	111	
4-BROMOFLUOROBENZENE	0.04	0.04104856	103	71	126	

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 624
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	480482	227000	908000	3.91				
8260-1,4-DIFLUOROBENZENE	852998	406000	1620000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	151245	72300	289000	5.4				
8260-1,4-DICHLOROBENZENE-D4	370807	188000	751000	7.81				
AP9-PENTAFLUOROBENZENE	480482	0	0	3.91				
AP9-1,4-DIFLUOROBENZENE	852998	0	0	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	151245	0	0	5.4				
AP9-1,4-DICHLOROBENZENE-D4	370807	0	0	7.81				

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RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260SC
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SC

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		4	0	0		
PROPENE		0.002	0.001999805	100		
DICHLORODIFLUOROMETHANE		0.002	0.001959408	98		
CHLOROMETHANE		0.002	0.002035606	102		
VINYL CHLORIDE		0.002	0.001966264	98.3		
1,3-BUTADIENE		0.002	0.001974392	98.7		
BROMOMETHANE		0.002	0.002049805	102		
CHLOROETHANE		0.002	0.002002804	100		
TRICHLOROFLUOROMETHANE		0.002	0.002003842	100		
DICHLOROFLUOROMETHANE		0.002	0.002041825	102		
ETHYL ETHER		0.002	0.002007403	100		
ACROLEIN		0.01	0.00964909	96.5		
1,1-DICHLOROETHENE		0.002	0.001940453	97		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.002	0.001970313	98.5		
ACETONE		0.01	0.01187445	119		
IODOMETHANE		0.01	0.01007987	101		
CARBON DISULFIDE		0.002	0.001960014	98		
METHYLENE CHLORIDE		0.002	0.002644469	132		
ACRYLONITRILE		0.01	0.01012386	101		
n-Hexane		0.002	0.001931349	96.6		
TRANS-1,2-DICHLOROETHENE		0.002	0.001947538	97.4		
METHYL TERT-BUTYL ETHER		0.002	0.001991034	99.6		
1,1-DICHLOROETHANE		0.002	0.001981021	99.1		
VINYL ACETATE		0.01	0.01009765	101		
DI-ISOPROPYL ETHER		0.002	0.001973279	98.7		
2,2-Dichloropropane		0.002	0.002156957	108		
CIS-1,2-DICHLOROETHENE		0.002	0.001938156	96.9		
2-BUTANONE (MEK)		0.01	0.009845812	98.5		
BROMOCHLOROMETHANE		0.002	0.002015503	101		
TETRAHYDROFURAN		0.002	0.002158272	108		
CHLOROFORM		0.002	0.002569671	128		
1,1,1-TRICHLOROETHANE		0.002	0.001928269	96.4		
CARBON TETRACHLORIDE		0.002	0.001950174	97.5		
1,1-Dichloropropene		0.002	0.00191879	95.9		
2,2,4-TRIMETHYLPENTANE		0.002	0.001929194	96.5		
HEPTANE		0.002	0.001805736	90.3		
BENZENE		0.002	0.001922689	96.1		
1,2-DICHLOROETHANE		0.002	0.001937932	96.9		
TRICHLOROETHENE		0.002	0.001947165	97.4		
1,2-DICHLOROPROPANE		0.002	0.001967335	98.4		
DIBROMOMETHANE		0.002	0.001876958	93.8		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260SC
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SC

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.002	0.001948305	97.4		
2-CHLOROETHYL VINYL ETHER		0.01	0.009460782	94.6		
CIS-1,3-DICHLOROPROPENE		0.002	0.001885126	94.3		
4-METHYL-2-PENTANONE (MIBK)		0.01	0.009436126	94.4		
TOLUENE		0.002	0.001850744	92.5		
TRANS-1,3-DICHLOROPROPENE		0.002	0.001841324	92.1		
1,1,2-TRICHLOROETHANE		0.002	0.001926454	96.3		
TETRACHLOROETHENE		0.002	0.001834811	91.7		
1,3-Dichloropropane		0.002	0.001930626	96.5		
2-HEXANONE		0.01	0.009405865	94.1		
CHLORODIBROMOMETHANE		0.002	0.001917667	95.9		
1,2-DIBROMOETHANE		0.002	0.001876331	93.8		
CHLOROBENZENE		0.002	0.00188792	94.4		
1,1,1,2-TETRACHLOROETHANE		0.002	0.002020162	101		
ETHYLBENZENE		0.002	0.001892906	94.6		
M&P-XYLENE		0.004	0.00379982	95		
O-XYLENE		0.002	0.001954239	97.7		
XYLENES, TOTAL		0	0.005754059	97.7		
STYRENE		0.002	0.001850153	92.5		
Bromoform		0.002	0.001890471	94.5		
Isopropylbenzene		0.002	0.001893772	94.7		
Bromobenzene		0.002	0.001884706	94.2		
1,1,2,2-TETRACHLOROETHANE		0.002	0.001974963	98.7		
1,2,3-TRICHLOROPROPANE		0.002	0.001950274	97.5		
TRANS-1,4-DICHLORO-2-BUTENE		0.002	0.001940831	97		
n-Propylbenzene		0.002	0.001868512	93.4		
4-ETHYLTOLUENE		0.002	0.001857884	92.9		
2-Chlorotoluene		0.002	0.001853027	92.7		
4-Chlorotoluene		0.002	0.001811186	90.6		
1,3,5-Trimethylbenzene		0.002	0.001831853	91.6		
tert-Butylbenzene		0.002	0.001882335	94.1		
1,2,4-Trimethylbenzene		0.002	0.001853344	92.7		
sec-Butylbenzene		0.002	0.001868398	93.4		
1,3-DICHLOROBENZENE		0.002	0.001859307	93		
p-Isopropyltoluene		0.002	0.001824365	91.2		
DICYCLOPENTADIENE		0.002	0.001865553	93.3		
1,4-DICHLOROBENZENE		0.002	0.001914353	95.7		
1,2,3-TRIMETHYLBENZENE		0.002	0.001916913	95.8		
1,2-DICHLOROBENZENE		0.002	0.002014028	101		
n-Butylbenzene		0.002	0.001907048	95.4		
1,2-Dibromo-3-chloropropane		0.002	0.002003406	100		

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260SC
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SC

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.002	0.00194339	97.2		
HEXACHLORO-1,3-BUTADIENE		0.002	0.002068949	103		
Naphthalene		0.002	0.001935207	96.8		
1,2,3-Trichlorobenzene		0.002	0.002003001	100		
1-Methylnaphthalene		0.002	0.001962434	98.1		
2-Methylnaphthalene		0.002	0.00192159	96.1		
ETHANOL		0	0			
Bromoethane		0	0			
2-PROPANOL		0	0.001828361			
Methyl Acetate		0	0.004807104			
ACETONITRILE		0	0.01133756			
ALLYL CHLORIDE		0	0			
tert-BUTYL ALCOHOL		0	0.001218445			
chloroprene		0	0.002086507			
ETHYL TERT-BUTYL ETHER		0	0			
PROPIONITRILE		0	0			
Ethyl Acetate		0	0			
METHACRYLONITRILE		0	0.0005065827			
Cyclohexane		0	0			
tert-butyl formate		0	0			
ISOBUTANOL		0	0.0009250357			
t-Amyl Alcohol		0	0			
TERT-AMYL METHYL ETHER		0	0			
N-BUTANOL		0	0			
Methyl Cyclohexane		0	0			
2-nitropropane		0	0			
METHYL METHACRYLATE		0	0.001486122			
1,4-DIOXANE		0	0.006888356			
n-octane		0	0			
3,3-DIMETHYL-1-BUTANOL		0	0.01219421			
ETHYL METHACRYLATE		0	0			
CIS-1,4-DICHLORO-2-BUTENE		0	0			
Cyclohexanone		0	0			
PENTACHLOROETHANE		0	0.0004995333			
Hexachloroethane		0	0			

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.041492	104	78	121	
a,a,a-Trifluorotoluene	0.04	0.04299149	107	85	114	
TOLUENE-D8	0.04	0.0421755	105	89	111	
4-BROMOFLUOROBENZENE	0.04	0.04104856	103	71	126	

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260SC
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SC

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	480482	227000	908000	3.91				
8260-1,4-DIFLUOROBENZENE	852998	406000	1620000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	151245	72300	289000	5.4				
8260-1,4-DICHLOROBENZENE-D4	370807	188000	751000	7.81				
AP9-PENTAFLUOROBENZENE	480482	0	0	3.91				
AP9-1,4-DIFLUOROBENZENE	852998	0	0	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	151245	0	0	5.4				
AP9-1,4-DICHLOROBENZENE-D4	370807	0	0	7.81				

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Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 6200
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SM 20th

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		4	0	0		
PROPENE		0.002	0.001999805	100		
DICHLORODIFLUOROMETHANE		0.002	0.001959408	98		
CHLOROMETHANE		0.002	0.002035606	102		
VINYL CHLORIDE		0.002	0.001966264	98.3		
1,3-BUTADIENE		0.002	0.001974392	98.7		
BROMOMETHANE		0.002	0.002049805	102		
CHLOROETHANE		0.002	0.002002804	100		
TRICHLOROFLUOROMETHANE		0.002	0.002003842	100		
DICHLOROFLUOROMETHANE		0.002	0.002041825	102		
ETHYL ETHER		0.002	0.002007403	100		
ACROLEIN		0.01	0.00964909	96.5		
1,1-DICHLOROETHENE		0.002	0.001940453	97		
1,1,2-TRICHLOROTRIFLUOROETHANE		0.002	0.001970313	98.5		
ACETONE		0.01	0.01187445	119		
IODOMETHANE		0.01	0.01007987	101		
CARBON DISULFIDE		0.002	0.001960014	98		
METHYLENE CHLORIDE		0.002	0.002644469	132		
ACRYLONITRILE		0.01	0.01012386	101		
n-Hexane		0.002	0.001931349	96.6		
TRANS-1,2-DICHLOROETHENE		0.002	0.001947538	97.4		
METHYL TERT-BUTYL ETHER		0.002	0.001991034	99.6		
1,1-DICHLOROETHANE		0.002	0.001981021	99.1		
VINYL ACETATE		0.01	0.01009765	101		
DI-ISOPROPYL ETHER		0.002	0.001973279	98.7		
2,2-Dichloropropane		0.002	0.002156957	108		
CIS-1,2-DICHLOROETHENE		0.002	0.001938156	96.9		
2-BUTANONE (MEK)		0.01	0.009845812	98.5		
BROMOCHLOROMETHANE		0.002	0.002015503	101		
TETRAHYDROFURAN		0.002	0.002158272	108		
CHLOROFORM		0.002	0.002569671	128		
1,1,1-TRICHLOROETHANE		0.002	0.001928269	96.4		
CARBON TETRACHLORIDE		0.002	0.001950174	97.5		
1,1-Dichloropropene		0.002	0.00191879	95.9		
2,2,4-TRIMETHYLPENTANE		0.002	0.001929194	96.5		
HEPTANE		0.002	0.001805736	90.3		
BENZENE		0.002	0.001922689	96.1		
1,2-DICHLOROETHANE		0.002	0.001937932	96.9		
TRICHLOROETHENE		0.002	0.001947165	97.4		
1,2-DICHLOROPROPANE		0.002	0.001967335	98.4		
DIBROMOMETHANE		0.002	0.001876958	93.8		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 6200
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SM 20th

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.002	0.001948305	97.4		
2-CHLOROETHYL VINYL ETHER		0.01	0.009460782	94.6		
CIS-1,3-DICHLOROPROPENE		0.002	0.001885126	94.3		
4-METHYL-2-PENTANONE (MIBK)		0.01	0.009436126	94.4		
TOLUENE		0.002	0.001850744	92.5		
TRANS-1,3-DICHLOROPROPENE		0.002	0.001841324	92.1		
1,1,2-TRICHLOROETHANE		0.002	0.001926454	96.3		
TETRACHLOROETHENE		0.002	0.001834811	91.7		
1,3-Dichloropropane		0.002	0.001930626	96.5		
2-HEXANONE		0.01	0.009405865	94.1		
CHLORODIBROMOMETHANE		0.002	0.001917667	95.9		
1,2-DIBROMOETHANE		0.002	0.001876331	93.8		
CHLOROBENZENE		0.002	0.00188792	94.4		
1,1,1,2-TETRACHLOROETHANE		0.002	0.002020162	101		
ETHYLBENZENE		0.002	0.001892906	94.6		
M&P-XYLENE		0.004	0.00379982	95		
O-XYLENE		0.002	0.001954239	97.7		
XYLENES, TOTAL		0	0.005754059	97.7		
STYRENE		0.002	0.001850153	92.5		
Bromoform		0.002	0.001890471	94.5		
Isopropylbenzene		0.002	0.001893772	94.7		
Bromobenzene		0.002	0.001884706	94.2		
1,1,2,2-TETRACHLOROETHANE		0.002	0.001974963	98.7		
1,2,3-TRICHLOROPROPANE		0.002	0.001950274	97.5		
TRANS-1,4-DICHLORO-2-BUTENE		0.002	0.001940831	97		
n-Propylbenzene		0.002	0.001868512	93.4		
4-ETHYLTOLUENE		0.002	0.001857884	92.9		
2-Chlorotoluene		0.002	0.001853027	92.7		
4-Chlorotoluene		0.002	0.001811186	90.6		
1,3,5-Trimethylbenzene		0.002	0.001831853	91.6		
tert-Butylbenzene		0.002	0.001882335	94.1		
1,2,4-Trimethylbenzene		0.002	0.001853344	92.7		
sec-Butylbenzene		0.002	0.001868398	93.4		
1,3-DICHLOROBENZENE		0.002	0.001859307	93		
p-Isopropyltoluene		0.002	0.001824365	91.2		
DICYCLOPENTADIENE		0.002	0.001865553	93.3		
1,4-DICHLOROBENZENE		0.002	0.001914353	95.7		
1,2,3-TRIMETHYLBENZENE		0.002	0.001916913	95.8		
1,2-DICHLOROBENZENE		0.002	0.002014028	101		
n-Butylbenzene		0.002	0.001907048	95.4		
1,2-Dibromo-3-chloropropane		0.002	0.002003406	100		

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 6200
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SM 20th

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.002	0.00194339	97.2		
HEXACHLORO-1,3-BUTADIENE		0.002	0.002068949	103		
Naphthalene		0.002	0.001935207	96.8		
1,2,3-Trichlorobenzene		0.002	0.002003001	100		
1-Methylnaphthalene		0.002	0.001962434	98.1		
2-Methylnaphthalene		0.002	0.00192159	96.1		
ETHANOL		0	0			
Bromoethane		0	0			
2-PROPANOL		0	0.001828361			
Methyl Acetate		0	0.004807104			
ACETONITRILE		0	0.01133756			
ALLYL CHLORIDE		0	0			
tert-BUTYL ALCOHOL		0	0.001218445			
chloroprene		0	0.002086507			
ETHYL TERT-BUTYL ETHER		0	0			
PROPIONITRILE		0	0			
Ethyl Acetate		0	0			
METHACRYLONITRILE		0	0.0005065827			
Cyclohexane		0	0			
tert-butyl formate		0	0			
ISOBUTANOL		0	0.0009250357			
t-Amyl Alcohol		0	0			
TERT-AMYL METHYL ETHER		0	0			
N-BUTANOL		0	0			
Methyl Cyclohexane		0	0			
2-nitropropane		0	0			
METHYL METHACRYLATE		0	0.001486122			
1,4-DIOXANE		0	0.006888356			
n-octane		0	0			
3,3-DIMETHYL-1-BUTANOL		0	0.01219421			
ETHYL METHACRYLATE		0	0			
CIS-1,4-DICHLORO-2-BUTENE		0	0			
Cyclohexanone		0	0			
PENTACHLOROETHANE		0	0.0004995333			
Hexachloroethane		0	0			

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.041492	104	78	121	
a,a,a-Trifluorotoluene	0.04	0.04299149	107	85	114	
TOLUENE-D8	0.04	0.0421755	105	89	111	
4-BROMOFLUOROBENZENE	0.04	0.04104856	103	71	126	

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 6200
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SM 20th

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	480482	333000	618000	3.91				
8260-1,4-DIFLUOROBENZENE	852998	544000	1010000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	151245	95800	178000	5.4				
8260-1,4-DICHLOROBENZENE-D4	370807	246000	457000	7.81				
AP9-PENTAFLUOROBENZENE	480482	331000	615000	3.91				
AP9-1,4-DIFLUOROBENZENE	852998	573000	1060000	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	151245	100000	186000	5.4				
AP9-1,4-DICHLOROBENZENE-D4	370807	257000	477000	7.81				

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260C
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
TPH (GC/MS) LOW FRACTION		4	0	0	50	150
PROPENE		0.002	0.001999805	100	50	150
DICHLORODIFLUOROMETHANE		0.002	0.001959408	98	50	150
CHLOROMETHANE		0.002	0.002035606	102	50	150
VINYL CHLORIDE		0.002	0.001966264	98.3	50	150
1,3-BUTADIENE		0.002	0.001974392	98.7	50	150
BROMOMETHANE		0.002	0.002049805	102	50	150
CHLOROETHANE		0.002	0.002002804	100	50	150
TRICHLOROFLUOROMETHANE		0.002	0.002003842	100	50	150
DICHLOROFLUOROMETHANE		0.002	0.002041825	102	50	150
ETHYL ETHER		0.002	0.002007403	100	50	150
ACROLEIN		0.01	0.00964909	96.5	50	150
1,1-DICHLOROETHENE		0.002	0.001940453	97	50	150
1,1,2-TRICHLOROTRIFLUOROETHANE		0.002	0.001970313	98.5	50	150
ACETONE		0.01	0.01187445	119	50	150
IODOMETHANE		0.01	0.01007987	101	50	150
CARBON DISULFIDE		0.002	0.001960014	98	50	150
METHYLENE CHLORIDE		0.002	0.002644469	132	50	150
ACRYLONITRILE		0.01	0.01012386	101	50	150
n-Hexane		0.002	0.001931349	96.6	50	150
TRANS-1,2-DICHLOROETHENE		0.002	0.001947538	97.4	50	150
METHYL TERT-BUTYL ETHER		0.002	0.001991034	99.6	50	150
1,1-DICHLOROETHANE		0.002	0.001981021	99.1	50	150
VINYL ACETATE		0.01	0.01009765	101	50	150
DI-ISOPROPYL ETHER		0.002	0.001973279	98.7	50	150
2,2-Dichloropropane		0.002	0.002156957	108	50	150
CIS-1,2-DICHLOROETHENE		0.002	0.001938156	96.9	50	150
2-BUTANONE (MEK)		0.01	0.009845812	98.5	50	150
BROMOCHLOROMETHANE		0.002	0.002015503	101	50	150
TETRAHYDROFURAN		0.002	0.002158272	108	50	150
CHLOROFORM		0.002	0.002569671	128	50	150
1,1,1-TRICHLOROETHANE		0.002	0.001928269	96.4	50	150
CARBON TETRACHLORIDE		0.002	0.001950174	97.5	50	150
1,1-Dichloropropene		0.002	0.00191879	95.9	50	150
2,2,4-TRIMETHYLPENTANE		0.002	0.001929194	96.5	50	150
HEPTANE		0.002	0.001805736	90.3	50	150
BENZENE		0.002	0.001922689	96.1	50	150
1,2-DICHLOROETHANE		0.002	0.001937932	96.9	50	150
TRICHLOROETHENE		0.002	0.001947165	97.4	50	150
1,2-DICHLOROPROPANE		0.002	0.001967335	98.4	50	150
DIBROMOMETHANE		0.002	0.001876958	93.8	50	150

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260C
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
BROMODICHLOROMETHANE		0.002	0.001948305	97.4	50	150
2-CHLOROETHYL VINYL ETHER		0.01	0.009460782	94.6	50	150
CIS-1,3-DICHLOROPROPENE		0.002	0.001885126	94.3	50	150
4-METHYL-2-PENTANONE (MIBK)		0.01	0.009436126	94.4	50	150
TOLUENE		0.002	0.001850744	92.5	50	150
TRANS-1,3-DICHLOROPROPENE		0.002	0.001841324	92.1	50	150
1,1,2-TRICHLOROETHANE		0.002	0.001926454	96.3	50	150
TETRACHLOROETHENE		0.002	0.001834811	91.7	50	150
1,3-Dichloropropane		0.002	0.001930626	96.5	50	150
2-HEXANONE		0.01	0.009405865	94.1	50	150
CHLORODIBROMOMETHANE		0.002	0.001917667	95.9	50	150
1,2-DIBROMOETHANE		0.002	0.001876331	93.8	50	150
CHLOROBENZENE		0.002	0.00188792	94.4	50	150
1,1,1,2-TETRACHLOROETHANE		0.002	0.002020162	101	50	150
ETHYLBENZENE		0.002	0.001892906	94.6	50	150
M&P-XYLENE		0.004	0.00379982	95	50	150
O-XYLENE		0.002	0.001954239	97.7	50	150
XYLENES, TOTAL		0	0.005754059	97.7	50	150
STYRENE		0.002	0.001850153	92.5	50	150
Bromoform		0.002	0.001890471	94.5	50	150
Isopropylbenzene		0.002	0.001893772	94.7	50	150
Bromobenzene		0.002	0.001884706	94.2	50	150
1,1,2,2-TETRACHLOROETHANE		0.002	0.001974963	98.7	50	150
1,2,3-TRICHLOROPROPANE		0.002	0.001950274	97.5	50	150
TRANS-1,4-DICHLORO-2-BUTENE		0.002	0.001940831	97	50	150
n-Propylbenzene		0.002	0.001868512	93.4	50	150
4-ETHYLTOLUENE		0.002	0.001857884	92.9	50	150
2-Chlorotoluene		0.002	0.001853027	92.7	50	150
4-Chlorotoluene		0.002	0.001811186	90.6	50	150
1,3,5-Trimethylbenzene		0.002	0.001831853	91.6	50	150
tert-Butylbenzene		0.002	0.001882335	94.1	50	150
1,2,4-Trimethylbenzene		0.002	0.001853344	92.7	50	150
sec-Butylbenzene		0.002	0.001868398	93.4	50	150
1,3-DICHLOROBENZENE		0.002	0.001859307	93	50	150
p-Isopropyltoluene		0.002	0.001824365	91.2	50	150
DICYCLOPENTADIENE		0.002	0.001865553	93.3	50	150
1,4-DICHLOROBENZENE		0.002	0.001914353	95.7	50	150
1,2,3-TRIMETHYLBENZENE		0.002	0.001916913	95.8	50	150
1,2-DICHLOROBENZENE		0.002	0.002014028	101	50	150
n-Butylbenzene		0.002	0.001907048	95.4	50	150
1,2-Dibromo-3-chloropropane		0.002	0.002003406	100	50	150

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260C
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Std. Conc	Result	% Rec	%Rec LL	%RecHL
1,2,4-Trichlorobenzene		0.002	0.00194339	97.2	50	150
HEXACHLORO-1,3-BUTADIENE		0.002	0.002068949	103	50	150
Naphthalene		0.002	0.001935207	96.8	50	150
1,2,3-Trichlorobenzene		0.002	0.002003001	100	50	150
1-Methylnaphthalene		0.002	0.001962434	98.1	50	150
2-Methylnaphthalene		0.002	0.00192159	96.1	50	150
ETHANOL		0	0		50	150
Bromoethane		0	0		50	150
2-PROPANOL		0	0.001828361		50	150
Methyl Acetate		0	0.004807104		50	150
ACETONITRILE		0	0.01133756		50	150
ALLYL CHLORIDE		0	0		50	150
tert-BUTYL ALCOHOL		0	0.001218445		50	150
chloroprene		0	0.002086507		50	150
ETHYL TERT-BUTYL ETHER		0	0		50	150
PROPIONITRILE		0	0		50	150
Ethyl Acetate		0	0		50	150
METHACRYLONITRILE		0	0.0005065827		50	150
Cyclohexane		0	0		50	150
tert-butyl formate		0	0		50	150
ISOBUTANOL		0	0.0009250357		50	150
t-Amyl Alcohol		0	0		50	150
TERT-AMYL METHYL ETHER		0	0		50	150
N-BUTANOL		0	0		50	150
Methyl Cyclohexane		0	0		70	130
2-nitropropane		0	0		50	150
METHYL METHACRYLATE		0	0.001486122		50	150
1,4-DIOXANE		0	0.006888356		50	150
n-octane		0	0		50	150
3,3-DIMETHYL-1-BUTANOL		0	0.01219421		50	150
ETHYL METHACRYLATE		0	0		50	150
CIS-1,4-DICHLORO-2-BUTENE		0	0		50	150
Cyclohexanone		0	0		50	150
PENTACHLOROETHANE		0	0.0004995333		50	150
Hexachloroethane		0	0		50	150

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	0.04	0.041492	104	78	121	
a,a,a-Trifluorotoluene	0.04	0.04299149	107	85	114	
TOLUENE-D8	0.04	0.0421755	105	89	111	
4-BROMOFLUOROBENZENE	0.04	0.04104856	103	71	126	

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

RL Check Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 1909	ICal Method	: 8260C
Lab File ID	: 0711_10A	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL	CCV %D	%D Limit
8260-PENTAFLUOROBENZENE	480482	227000	908000	3.91				
8260-1,4-DIFLUOROBENZENE	852998	406000	1620000	4.24				
8260-2-BROMO-1-CHLOROPROPANE	151245	72300	289000	5.4				
8260-1,4-DICHLOROBENZENE-D4	370807	188000	751000	7.81				
AP9-PENTAFLUOROBENZENE	480482	0	0	3.91				
AP9-1,4-DIFLUOROBENZENE	852998	0	0	4.24				
AP9-2-BROMO-1-CHLOROPROPANE	151245	0	0	5.4				
AP9-1,4-DICHLOROBENZENE-D4	370807	0	0	7.81				

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 10A.D
Acq On : 11 Jul 2014 7:09 pm
Operator : 644
Sample : RL VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:19:29 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	480482	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	852998	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	151245	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	370807	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	480482	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	852998	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	151245	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	370807	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	283683	41.4919986 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 103.73%		
46) a,a,a-Trifluorotoluene	4.608	146	501709	42.9914898 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 107.48%		
50) TOLUENE-D8	5.068	98	1151922	42.1755033 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 105.44%		
68) 4-BROMOFLUOROBENZENE	6.956	95	410594	41.0485564 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 102.62%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -6996389		No Calib	
3) PROPENE	1.406	41	5449	1.9998049 ppb #	28
4) DICHLORODIFLUOROMETHANE	1.464	85	15291	1.9594078 ppb	91
5) CHLOROMETHANE	1.583	50	27253	2.0356059 ppb	98
6) VINYL CHLORIDE	1.650	62	27856	1.9662641 ppb	98
7) 1,3-BUTADIENE	1.666	39	22778	1.9743924 ppb	91
8) BROMOMETHANE	1.882	94	15127	2.0498051 ppb	99
9) CHLOROETHANE	1.965	66	4970	2.0028039 ppb	97
10) TRICHLOROFLUOROMETHANE	2.059	101	24567	2.0038419 ppb #	98
11) DICHLOROFLUOROMETHANE	2.088	67	35867	2.0418253 ppb	93
12) ETHYL ETHER	2.226	59	17681	2.0074033 ppb	97
13) ACROLEIN	2.547	56	14967	9.6490894 ppb	92
14) 1,1-DICHLOROETHENE	2.358	61	33765	1.9404533 ppb	97
15) 1,1,2-TRICHLOROTRIFLUO...	2.390	101	19054	1.9703126 ppb	99
16) ACETONE	2.715	43	28159	11.8744485 ppb	93
17) IODOMETHANE	2.448	142	167152	10.0798660 ppb	99
18) CARBON DISULFIDE	2.387	76	78788	1.9600138 ppb #	95
19) METHYLENE CHLORIDE	2.692	84	29670	2.6444687 ppb	99
20) ACRYLONITRILE	3.152	53	30431	10.1238572 ppb	95
21) n-Hexane	2.827	56	19761	1.9313492 ppb	88
22) TRANS-1,2-DICHLOROETHENE	2.785	96	19214	1.9475378 ppb	98
23) METHYL TERT-BUTYL ETHER	2.837	73	52240	1.9910338 ppb	98
24) 1,1-DICHLOROETHANE	3.129	63	37314	1.9810206 ppb	97
25) VINYL ACETATE	3.248	43	196720	10.0976480 ppb	100
26) DI-ISOPROPYL ETHER	3.039	45	67720	1.9732792 ppb	100
27) 2,2-Dichloropropane	3.489	77	22489	2.1569573 ppb	97
28) CIS-1,2-DICHLOROETHENE	3.428	96	19377	1.9381559 ppb	97
29) 2-BUTANONE (MEK)	3.734	43	37844	9.8458117 ppb	94
30) BROMOCHLOROMETHANE	3.541	130	12284	2.0155029 ppb	96
31) TETRAHYDROFURAN	3.669	42	6373	2.1582717 ppb #	83
32) CHLOROFORM	3.570	83	46060	2.5696710 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.702	97	24904	1.9282693 ppb	95
35) CARBON TETRACHLORIDE	3.666	117	25846	1.9501744 ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 10A.D
Acq On : 11 Jul 2014 7:09 pm
Operator : 644
Sample : RL VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:19:29 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	27206	1.9187900 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	86191	1.9291938 ppb		95
38) HEPTANE	3.859	43	34316	1.8057362 ppb	#	95
39) BENZENE	3.907	78	74704	1.9226889 ppb	#	91
40) 1,2-DICHLOROETHANE	4.017	62	23134	1.9379317 ppb		99
42) TRICHLOROETHENE	4.235	130	17956	1.9471654 ppb		99
43) 1,2-DICHLOROPROPANE	4.541	62	14450	1.9673351 ppb		97
44) DIBROMOMETHANE	4.486	93	10062	1.8769576 ppb		95
45) BROMODICHLOROMETHANE	4.570	83	24568	1.9483050 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	37980	9.4607819 ppb	#	95
48) CIS-1,3-DICHLOROPROPENE	4.949	75	30379	1.8851260 ppb		96
49) 4-METHYL-2-PENTANONE (...	5.319	58	33770	9.4361256 ppb		97
51) TOLUENE	5.100	91	74627	1.8507443 ppb		97
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	6005	1.8413245 ppb	#	78
54) 1,1,2-TRICHLOROETHANE	5.464	97	14034	1.9264536 ppb		98
55) TETRACHLOROETHENE	5.357	164	12432	1.8348108 ppb		92
56) 1,3-Dichloropropane	5.647	76	28190	1.9306261 ppb		95
57) 2-HEXANONE	5.869	58	31849	9.4058660 ppb		97
58) CHLORODIBROMOMETHANE	5.589	129	16442	1.9176668 ppb		98
59) 1,2-DIBROMOETHANE	5.759	107	14617	1.8763307 ppb		99
60) CHLOROBENZENE	6.107	112	47442	1.8879201 ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	16605	2.0201622 ppb	#	94
62) ETHYLBENZENE	6.110	106	26266	1.8929065 ppb		99
63) M&P-XYLENE	6.206	106	63787	3.7998203 ppb		98
64) O-XYLENE	6.515	106	33218	1.9542393 ppb		93
65) STYRENE	6.554	104	48050	1.8501527 ppb		99
66) Bromoform	6.586	173	9835	1.8904713 ppb		95
67) Isopropylbenzene	6.737	105	79700	1.8937722 ppb		99
69) Bromobenzene	7.042	77	35364	1.8847055 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	20084	1.9749627 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	5537	1.9502737 ppb		94
72) TRANS-1,4-DICHLORO-2-B...	7.226	53	5482	1.9408309 ppb	#	84
73) n-Propylbenzene	7.042	91	92768	1.8685120 ppb		100
74) 4-ETHYLTOLUENE	7.123	105	73744	1.8578843 ppb		100
75) 2-Chlorotoluene	7.174	126	18733	1.8530266 ppb		96
76) 4-Chlorotoluene	7.296	91	53299	1.8111855 ppb		96
77) 1,3,5-Trimethylbenzene	7.184	105	63447	1.8318527 ppb		99
78) tert-Butylbenzene	7.431	119	55241	1.8823351 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	63431	1.8533442 ppb		98
80) sec-Butylbenzene	7.566	105	85528	1.8683982 ppb		100
81) 1,3-DICHLOROBENZENE	7.753	146	33095	1.8593071 ppb		100
82) p-Isopropyltoluene	7.673	119	67130	1.8243653 ppb		99
83) DICYCLOPENTADIENE	7.669	66	79827	1.8655533 ppb		100
85) 1,4-DICHLOROBENZENE	7.820	146	33794	1.9143533 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	68456	1.9169129 ppb		98
87) 1,2-DICHLOROBENZENE	8.155	146	31954	2.0140283 ppb		97
88) n-Butylbenzene	8.007	91	62389	1.9070483 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.798	157	3643	2.0034059 ppb		93
90) 1,2,4-Trichlorobenzene	9.354	180	20724	1.9433898 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	12015	2.0689495 ppb		98
92) Naphthalene	9.624	128	49559	1.9352069 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	19774	2.0030004 ppb		97
94) 1-Methylnaphthalene	10.492	142	26655	1.9624334 ppb		99
95) 2-Methylnaphthalene	10.615	142	21158	1.9215900 ppb		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 10A.D
Acq On : 11 Jul 2014 7:09 pm
Operator : 644
Sample : RL VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:19:29 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	0.000		0	N.D.		
99)	2-PROPANOL	2.628	45	971	1.8283607 ppb	#	58
100)	Methyl Acetate	2.827	43	31199	4.8071046 ppb	#	74
101)	ACETONITRILE	3.039	41	10606	11.3375610 ppb	#	34
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	2.878	59	1265	1.2184454 ppb	#	62
104)	chloroprene	3.152	53	30431	2.0865067 ppb	#	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
106)	PROPIONITRILE	0.000		0	N.D.		
107)	Ethyl Acetate	3.669	43	1944	N.D.		
108)	METHACRYLONITRILE	3.914	67	1745	0.5065827 ppb	#	1
109)	Cyclohexane	3.570	84	1730	N.D.		
110)	tert-butyl formate	0.000		0	N.D.		
111)	ISOBUTANOL	3.962	43	512	0.9250357 ppb	#	20
112)	t-Amyl Alcohol	0.000		0	N.D.		
113)	TERT-AMYL METHYL ETHER	3.907	73	2359	N.D.		
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	4.235	83	10424	N.D.		
117)	2-nitropropane	5.239	43	807	N.D.		
118)	METHYL METHACRYLATE	4.541	41	11359	1.4861225 ppb	#	18
119)	1,4-DIOXANE	4.682	88	3547	6.8883564 ppb	#	79
120)	n-octane	4.956	85	574	N.D.		
121)	3,3-DIMETHYL-1-BUTANOL	5.869	57	10926	12.1942117 ppb	#	39
123)	ETHYL METHACRYLATE	5.316	69	982	N.D.		
124)	CIS-1,4-DICHLORO-2-BUTENE	7.042	53	665	N.D.		
125)	Cyclohexanone	0.000		0	N.D.		
126)	PENTACHLOROETHANE	7.483	117	2499	0.4995333 ppb	#	10
127)	Hexachloroethane	8.132	117	562	N.D.		

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

Quantitation Report (Not Reviewed)

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Acq On : 11 Jul 2014 7:09 pm
Operator : 644
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Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:19:29 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
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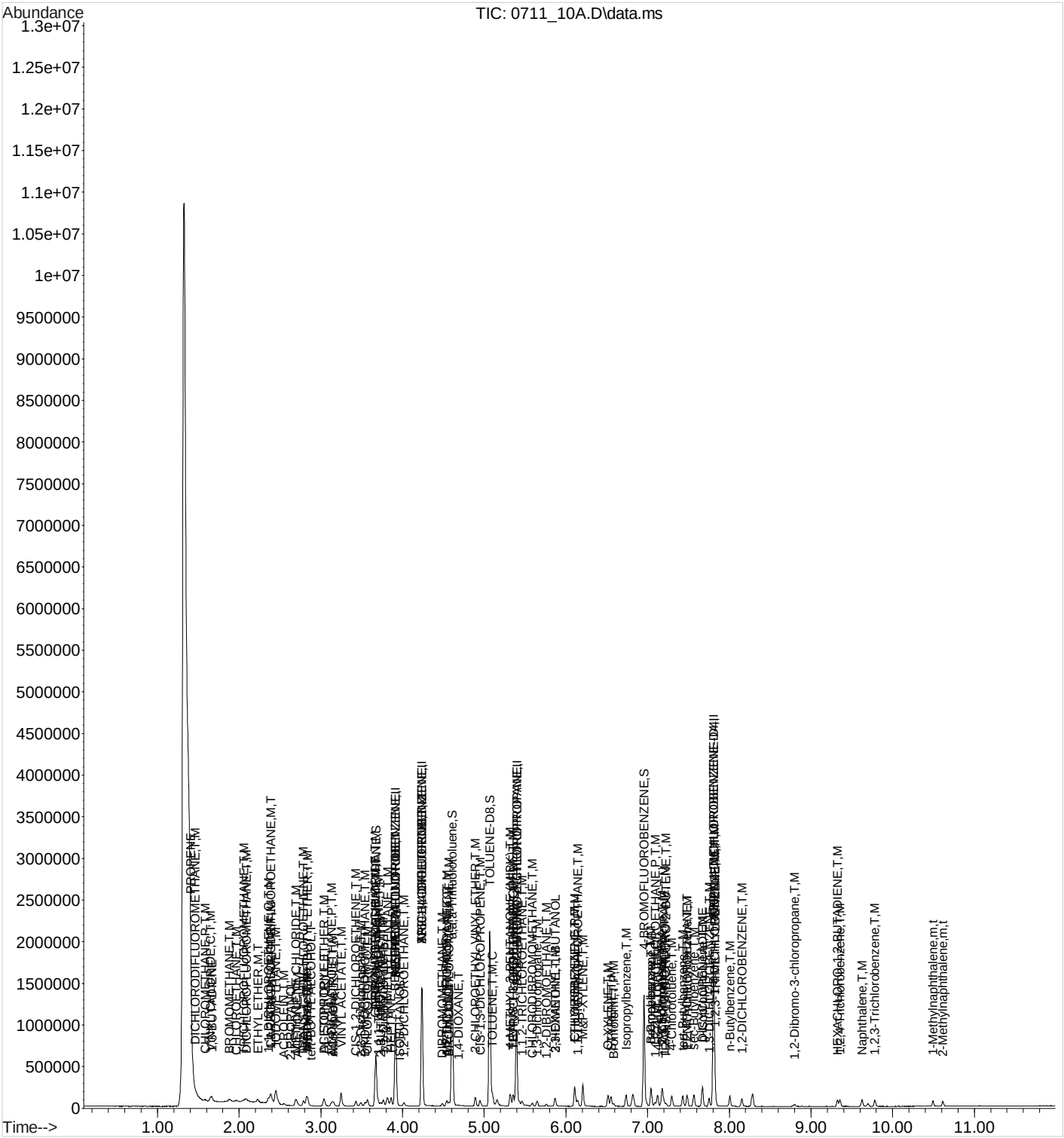

Quantitation Report (QT Reviewed)

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	480482	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	852998	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	151245	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	370807	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	480482	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	852998	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	151245	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	370807	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	283683	41.4919986 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 103.73%		
46) a,a,a-Trifluorotoluene	4.608	146	501709	42.9914898 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 107.48%		
50) TOLUENE-D8	5.068	98	1151922	42.1755033 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 105.44%		
68) 4-BROMOFLUOROBENZENE	6.956	95	410594	41.0485564 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 102.62%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -6996389		No Calib	
3) PROPENE	1.406	41	5449	1.9998049 ppb #	28
4) DICHLORODIFLUOROMETHANE	1.464	85	15291	1.9594078 ppb	91
5) CHLOROMETHANE	1.583	50	27253	2.0356059 ppb	98
6) VINYL CHLORIDE	1.650	62	27856	1.9662641 ppb	98
7) 1,3-BUTADIENE	1.666	39	22778	1.9743924 ppb	91
8) BROMOMETHANE	1.882	94	15127	2.0498051 ppb	99
9) CHLOROETHANE	1.965	66	4970	2.0028039 ppb	97
10) TRICHLOROFLUOROMETHANE	2.059	101	24567	2.0038419 ppb #	98
11) DICHLOROFLUOROMETHANE	2.088	67	35867	2.0418253 ppb	93
12) ETHYL ETHER	2.226	59	17681	2.0074033 ppb	97
13) ACROLEIN	2.547	56	14967	9.6490894 ppb	92
14) 1,1-DICHLOROETHENE	2.358	61	33765	1.9404533 ppb	97
15) 1,1,2-TRICHLOROTRIFLUO...	2.390	101	19054	1.9703126 ppb	99
16) ACETONE	2.715	43	28159	11.8744485 ppb	93
17) IODOMETHANE	2.448	142	167152	10.0798660 ppb	99
18) CARBON DISULFIDE	2.387	76	78788	1.9600138 ppb #	95
19) METHYLENE CHLORIDE	2.692	84	29670	2.6444687 ppb	99
20) ACRYLONITRILE	3.152	53	30431	10.1238572 ppb	95
21) n-Hexane	2.827	56	19761	1.9313492 ppb	88
22) TRANS-1,2-DICHLOROETHENE	2.785	96	19214	1.9475378 ppb	98
23) METHYL TERT-BUTYL ETHER	2.837	73	52240	1.9910338 ppb	98
24) 1,1-DICHLOROETHANE	3.129	63	37314	1.9810206 ppb	97
25) VINYL ACETATE	3.248	43	196720	10.0976480 ppb	100
26) DI-ISOPROPYL ETHER	3.039	45	67720	1.9732792 ppb	100
27) 2,2-Dichloropropane	3.489	77	22489	2.1569573 ppb	97
28) CIS-1,2-DICHLOROETHENE	3.428	96	19377	1.9381559 ppb	97
29) 2-BUTANONE (MEK)	3.734	43	37844	9.8458117 ppb	94
30) BROMOCHLOROMETHANE	3.541	130	12284	2.0155029 ppb	96
31) TETRAHYDROFURAN	3.669	42	6373	2.1582717 ppb #	83
32) CHLOROFORM	3.570	83	46060	2.5696710 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.702	97	24904	1.9282693 ppb	95
35) CARBON TETRACHLORIDE	3.666	117	25846	1.9501744 ppb	99

Quantitation Report (QT Reviewed)

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Data File : 0711 10A.D
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Sample : RL VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:19:29 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	27206	1.9187900 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	86191	1.9291938 ppb		95
38) HEPTANE	3.859	43	34316	1.8057362 ppb	#	95
39) BENZENE	3.907	78	74704	1.9226889 ppb	#	91
40) 1,2-DICHLOROETHANE	4.017	62	23134	1.9379317 ppb		99
42) TRICHLOROETHENE	4.235	130	17956	1.9471654 ppb		99
43) 1,2-DICHLOROPROPANE	4.541	62	14450	1.9673351 ppb		97
44) DIBROMOMETHANE	4.486	93	10062	1.8769576 ppb		95
45) BROMODICHLOROMETHANE	4.570	83	24568	1.9483050 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	37980	9.4607819 ppb	#	95
48) CIS-1,3-DICHLOROPROPENE	4.949	75	30379	1.8851260 ppb		96
49) 4-METHYL-2-PENTANONE (...	5.319	58	33770	9.4361256 ppb		97
51) TOLUENE	5.100	91	74627	1.8507443 ppb		97
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	6005	1.8413245 ppb	#	78
54) 1,1,2-TRICHLOROETHANE	5.464	97	14034	1.9264536 ppb		98
55) TETRACHLOROETHENE	5.357	164	12432	1.8348108 ppb		92
56) 1,3-Dichloropropane	5.647	76	28190	1.9306261 ppb		95
57) 2-HEXANONE	5.869	58	31849	9.4058660 ppb		97
58) CHLORODIBROMOMETHANE	5.589	129	16442	1.9176668 ppb		98
59) 1,2-DIBROMOETHANE	5.759	107	14617	1.8763307 ppb		99
60) CHLOROBENZENE	6.107	112	47442	1.8879201 ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	16605	2.0201622 ppb	#	94
62) ETHYLBENZENE	6.110	106	26266	1.8929065 ppb		99
63) M&P-XYLENE	6.206	106	63787	3.7998203 ppb		98
64) O-XYLENE	6.515	106	33218	1.9542393 ppb		93
65) STYRENE	6.554	104	48050	1.8501527 ppb		99
66) Bromoform	6.586	173	9835	1.8904713 ppb		95
67) Isopropylbenzene	6.737	105	79700	1.8937722 ppb		99
69) Bromobenzene	7.042	77	35364	1.8847055 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	20084	1.9749627 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	5537	1.9502737 ppb		94
72) TRANS-1,4-DICHLORO-2-B...	7.226	53	5482	1.9408309 ppb	#	84
73) n-Propylbenzene	7.042	91	92768	1.8685120 ppb		100
74) 4-ETHYLTOLUENE	7.123	105	73744	1.8578843 ppb		100
75) 2-Chlorotoluene	7.174	126	18733	1.8530266 ppb		96
76) 4-Chlorotoluene	7.296	91	53299	1.8111855 ppb		96
77) 1,3,5-Trimethylbenzene	7.184	105	63447	1.8318527 ppb		99
78) tert-Butylbenzene	7.431	119	55241	1.8823351 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	63431	1.8533442 ppb		98
80) sec-Butylbenzene	7.566	105	85528	1.8683982 ppb		100
81) 1,3-DICHLOROBENZENE	7.753	146	33095	1.8593071 ppb		100
82) p-Isopropyltoluene	7.673	119	67130	1.8243653 ppb		99
83) DICYCLOPENTADIENE	7.669	66	79827	1.8655533 ppb		100
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90) 1,2,4-Trichlorobenzene	9.354	180	20724	1.9433898 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	12015	2.0689495 ppb		98
92) Naphthalene	9.624	128	49559	1.9352069 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	19774	2.0030004 ppb		97
94) 1-Methylnaphthalene	10.492	142	26655	1.9624334 ppb		99
95) 2-Methylnaphthalene	10.615	142	21158	1.9215900 ppb		98

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	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.628	45	971	1.8283607 ppb #	58
100)	Methyl Acetate	2.827	43	31199	4.8071046 ppb #	74
101)	ACETONITRILE	3.039	41	10606	11.3375610 ppb #	34
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.878	59	1265	1.2184454 ppb #	62
104)	chloroprene	3.152	53	30431	2.0865067 ppb #	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.669	43	1944	N.D.	
108)	METHACRYLONITRILE	3.914	67	1745	0.5065827 ppb #	1
109)	Cyclohexane	3.570	84	1730	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.962	43	512	0.9250357 ppb #	20
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.907	73	2359	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	10424	N.D.	
117)	2-nitropropane	5.239	43	807	N.D.	
118)	METHYL METHACRYLATE	4.541	41	11359	1.4861225 ppb #	18
119)	1,4-DIOXANE	4.682	88	3547	6.8883564 ppb #	79
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123)	ETHYL METHACRYLATE	5.316	69	982	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	7.042	53	665	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.483	117	2499	0.4995333 ppb #	10
127)	Hexachloroethane	8.132	117	562	N.D.	

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

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Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

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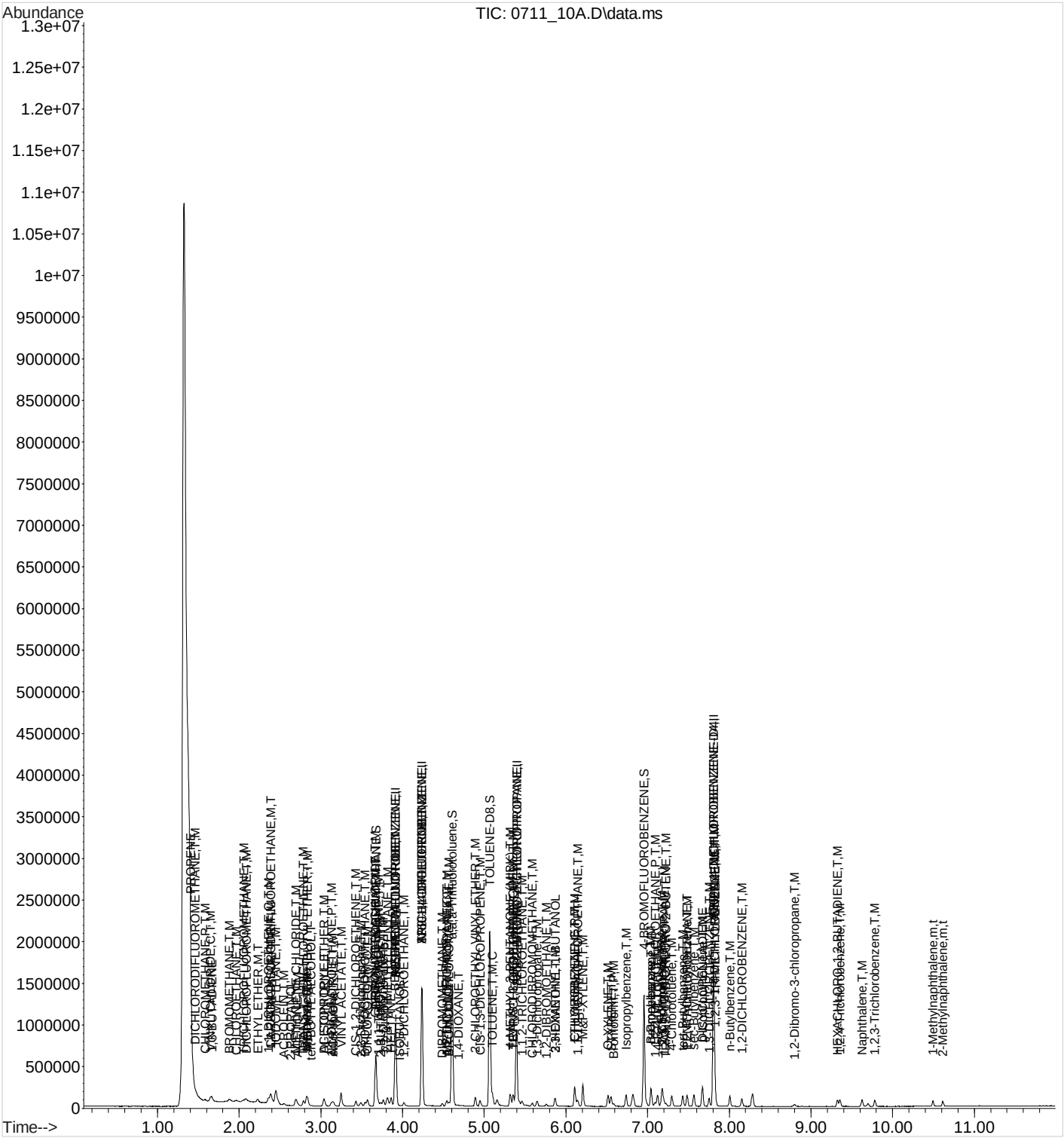


SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 8260B
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
PROPENE		68852	0.025	0.04	501601	0.227	0.2196232		3.25	40	96.8	20	180
DICHLORODIFLUOROMETHANE		206126	0.025	0.04	501601	0.65	0.6574979		1.15	40	101	55	135
CHLOROMETHANE		327141	0.025	0.04	501601	1.115	1.04351		6.41	30	93.6	70	130
VINYL CHLORIDE		351978	0.025	0.04	501601	1.179	1.122735		4.77	30	95.2	70	130
1,3-BUTADIENE		263845	0.025	0.04	501601	0.96	0.8416091		12.3	40	87.6	45	147
BROMOMETHANE		196449	0.025	0.04	501601	0.614	0.6266303		2.06	40	102	50	162
CHLOROETHANE		63598	0.025	0.04	501601	0.207	0.202864		2	40	98.2	62	135
TRICHLOROFLUOROMETHANE		298449	0.025	0.04	501601	1.021	0.9519885		6.76	40	93.3	70	130
DICHLOROFLUOROMETHANE		437886	0.025	0.04	501601	1.462	1.396763		4.46	40	95.5	70	130
ETHYL ETHER		226507	0.025	0.04	501601	0.733	0.7225089		1.43	40	98.5	70	130
ACROLEIN		188761	0.125	0.04	501601	0.129	0.1204214		6.65	40	93.3	10	190
1,1-DICHLOROETHENE		420194	0.025	0.04	501601	1.449	1.340329		7.5	30	92.5	70	130
1,1,2-TRICHLOROTRIFLUOROETHANE		229868	0.025	0.04	501601	0.805	0.7332298		8.92	40	91.1	70	130
ACETONE		304329	0.125	0.04	501601	0.197	0.1941489		1.45	40	98.3	36	163
IODOMETHANE		2092610	0.125	0.04	501601	1.381	1.334996		3.33	40	96.7	61	130
CARBON DISULFIDE		930788	0.025	0.04	501601	3.346	2.969015		11.3	40	88.7	65	140
METHYLENE CHLORIDE		260490	0.025	0.04	501601	0.934	0.8309074		11	40	89	70	130
ACRYLONITRILE		411321	0.125	0.04	501601	0.25	0.2624052		4.96	40	105	70	130
n-Hexane		237348	0.025	0.04	501601	0.852	0.7570894		11.1	40	88.9	70	130
TRANS-1,2-DICHLOROETHENE		240709	0.025	0.04	501601	0.821	0.7678102		6.48	40	93.5	70	130
METHYL TERT-BUTYL ETHER		669717	0.025	0.04	501601	2.184	2.136254		2.19	40	97.8	70	130
1,1-DICHLOROETHANE		461092	0.025	0.04	501601	1.568	1.470785		6.2	30	93.8	70	130
VINYL ACETATE		2325511	0.125	0.04	501601	1.622	1.483577		8.53	40	91.5	65	138
DI-ISOPROPYL ETHER		875062	0.025	0.04	501601	2.857	2.791261		2.3	40	97.7	70	130
2,2-Dichloropropane		243888	0.025	0.04	501601	0.868	0.7779506		10.4	40	89.6	70	130
CIS-1,2-DICHLOROETHENE		252235	0.025	0.04	501601	0.832	0.8045757		3.3	40	96.7	70	130
2-BUTANONE (MEK)		499742	0.125	0.04	501601	0.32	0.318814		0.371	40	99.6	55	149
BROMOCHLOROMETHANE		148944	0.025	0.04	501601	0.507	0.4750995		6.29	40	93.6	70	130
TETRAHYDROFURAN		74433	0.025	0.04	501601	0.246	0.2374254		3.49	40	96.6	70	130
CHLOROFORM		422159	0.025	0.04	501601	1.492	1.346597		9.75	30	90.2	70	130
1,1,1-TRICHLOROETHANE		317388	0.025	0.04	501601	1.075	1.0124		5.82	40	94.2	70	130
CARBON TETRACHLORIDE		327578	0.025	0.04	501601	1.103	1.044904		5.27	40	94.7	70	130
1,1-Dichloropropene		343385	0.025	0.04	501601	1.18	1.095325		7.18	40	92.8	70	130
2,2,4-TRIMETHYLPENTANE		1063306	0.025	0.04	501601	3.719	3.391719		8.8	40	91.2	70	130
HEPTANE		471779	0.025	0.04	501601	1.582	1.504874		4.88	40	95.1	70	130
BENZENE		960305	0.025	0.04	501601	3.235	3.063168		5.31	40	94.7	70	130
1,2-DICHLOROETHANE		305935	0.025	0.04	501601	0.994	0.9758672		1.82	40	98.2	70	130
TRICHLOROETHENE		228001	0.025	0.04	894990	0.432	0.4076041		5.65	40	94.3	70	130
1,2-DICHLOROPROPANE		182894	0.025	0.04	894990	0.344	0.326965		4.95	30	94.9	70	130
DIBROMOMETHANE		136384	0.025	0.04	894990	0.251	0.2438177		2.86	40	97	70	130

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 8260B
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		315316	0.025	0.04	894990	0.591	0.5636997		4.62	40	95.3	70	130
2-CHLOROETHYL VINYL ETHER		488044	0.125	0.04	894990	0.188	0.1744981		7.18	40	92.7	44	150
CIS-1,3-DICHLOROPROPENE		403996	0.025	0.04	894990	0.756	0.7222355		4.47	40	95.6	70	130
4-METHYL-2-PENTANONE (MIBK)		482164	0.125	0.04	894990	0.168	0.1723958		2.62	40	103	71	133
TOLUENE		967101	0.025	0.04	894990	1.891	1.728915		8.57	30	91.4	70	130
TRANS-1,3-DICHLOROPROPENE		83381	0.025	0.04	894990	0.153	0.1490627		2.57	40	97.5	70	130
1,1,2-TRICHLOROETHANE		188647	0.025	0.04	159044	1.927	1.897809		1.51	40	98.5	70	130
TETRACHLOROETHENE		166335	0.025	0.04	159044	1.792	1.673348		6.62	40	93.4	70	130
1,3-Dichloropropane		357592	0.025	0.04	159044	3.862	3.597414		6.85	40	93.2	70	130
2-HEXANONE		451813	0.125	0.04	159044	0.896	0.9090576		1.46	40	102	66	144
CHLORODIBROMOMETHANE		218041	0.025	0.04	159044	2.268	2.193516		3.28	40	96.7	70	130
1,2-DIBROMOETHANE		195571	0.025	0.04	159044	2.06	1.967466		4.49	40	95.5	70	130
CHLOROBENZENE		619536	0.025	0.04	159044	6.646	6.2326		6.22	30	93.8	70	130
1,1,1,2-TETRACHLOROETHANE		210316	0.025	0.04	159044	2.174	2.115802		2.68	40	97.3	70	130
ETHYLBENZENE		343098	0.025	0.04	159044	3.67	3.451603		5.95	30	94.1	70	130
M&P-XYLENE		840804	0.05	0.04	159044	4.44	4.22929		4.75	40	95.3	70	130
O-XYLENE		407279	0.025	0.04	159044	4.495	4.097271		8.85	40	91.1	70	130
XYLENES, TOTAL		1248083	0.075	0.04	415068	0	1.603699		0	40	93.9	70	130
STYRENE		661370	0.025	0.04	159044	6.869	6.653454		3.14	40	96.9	70	130
Bromoform		137210	0.025	0.04	159044	1.376	1.380347		0.316	30	100	70	130
Isopropylbenzene		1054250	0.025	0.04	159044	11.13	10.60587		4.71	40	95.3	70	130
Bromobenzene		474160	0.025	0.04	159044	4.962	4.770101		3.87	40	96.1	70	130
1,1,2,2-TETRACHLOROETHANE		270523	0.025	0.04	159044	2.689	2.721491		1.21	30	101	70	130
1,2,3-TRICHLOROPROPANE		73549	0.025	0.04	159044	0.751	0.739911		1.48	40	98.5	70	130
TRANS-1,4-DICHLORO-2-BUTENE		76263	0.025	0.04	159044	0.747	0.7672141		2.71	40	103	65	123
n-Propylbenzene		1228945	0.025	0.04	159044	13.13	12.36332		5.84	40	94.2	70	130
4-ETHYLTOLUENE		986232	0.025	0.04	159044	10.5	9.921601		5.51	40	94.5	70	130
2-Chlorotoluene		245065	0.025	0.04	159044	2.674	2.465381		7.8	40	92.2	70	130
4-Chlorotoluene		741925	0.025	0.04	159044	7.783	7.463846		4.1	40	95.9	70	130
1,3,5-Trimethylbenzene		866465	0.025	0.04	159044	9.16	8.716732		4.84	40	95.2	70	130
tert-Butylbenzene		728119	0.025	0.04	159044	7.761	7.324956		5.62	40	94.4	70	130
1,2,4-Trimethylbenzene		852665	0.025	0.04	159044	9.049999	8.577903		5.22	40	94.8	70	130
sec-Butylbenzene		1136062	0.025	0.04	159044	12.11	11.42891		5.62	40	94.4	70	130
1,3-DICHLOROBENZENE		444177	0.025	0.04	159044	4.707	4.468469		5.07	40	94.9	70	130
p-Isopropyltoluene		913878	0.025	0.04	159044	9.73	9.193712		5.51	40	94.5	70	130
DICYCLOPENTADIENE		1047407	0.025	0.04	159044	11.32	10.53703		6.92	40	93.1	70	130
1,4-DICHLOROBENZENE		452429	0.025	0.04	415068	1.904	1.744019		8.4	40	91.6	70	130
1,2,3-TRIMETHYLBENZENE		897085	0.025	0.04	415068	3.852	3.458074		10.2	40	89.8	70	130
1,2-DICHLOROBENZENE		424300	0.025	0.04	415068	1.711	1.635587		4.41	40	95.6	70	130
n-Butylbenzene		840594	0.025	0.04	415068	3.529	3.240313		8.18	40	91.8	70	130

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 8260B
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
1,2-Dibromo-3-chloropropane		53687	0.025	0.04	415068	0.196	0.2069521		5.59	40	106	65	128
1,2,4-Trichlorobenzene		276205	0.025	0.04	415068	1.15	1.064712		7.42	40	92.6	70	130
HEXACHLORO-1,3-BUTADIENE		151594	0.025	0.04	415068	0.626	0.584363		6.65	40	93.3	70	130
Naphthalene		708958	0.025	0.04	415068	2.763	2.732884		1.09	40	98.9	68	128
1,2,3-Trichlorobenzene		262932	0.025	0.04	415068	1.065	1.013548		4.83	40	95.2	70	130
1-Methylnaphthalene		398076	0.025	0.04	415068	1.465	1.534499		4.74	40	105	57	149
2-Methylnaphthalene		330684	0.025	0.04	415068	1.188	1.274717		7.3	40	107	60	146
ETHANOL		0	0	0.04	501601	0.007	0		0	40			
Bromoethane		2014	0	0.04	501601	0.605	0		0	40			
2-PROPANOL		585	0	0.04	501601	0.044	0		0	40			
Methyl Acetate		16582	0	0.04	501601	0.54	0		0	40			
ACETONITRILE		908	0	0.04	501601	0.078	0		0	40			
ALLYL CHLORIDE		0	0	0.04	501601	0.406	0		0	40			
tert-BUTYL ALCOHOL		828	0	0.04	501601	0.086	0		0	40			
chloroprene		411321	0	0.04	501601	1.214	0		0	40			
ETHYL TERT-BUTYL ETHER		778	0	0.04	501601	2.372	0		0	40			
PROPIONITRILE		3808	0	0.04	501601	0.098	0		0	40			
Ethyl Acetate		845	0	0.04	501601	0.606	0		0	40			
METHACRYLONITRILE		1556	0	0.04	501601	0.287	0		0	40			
Cyclohexane		16575	0	0.04	501601	1.025	0		0	40			
tert-butyl formate		1065	0	0.04	501601	0.678	0		0	40			
ISOBUTANOL		0	0	0.04	501601	0.046	0		0	40			
t-Amyl Alcohol		2052	0	0.04	501601	0.068	0		0	40			
TERT-AMYL METHYL ETHER		16474	0	0.04	501601	2.084	0		0	40			
N-BUTANOL		791	0	0.04	894990	0.014	0		0	40			
Methyl Cyclohexane		14833	0	0.04	894990	0.793	0		0	40			
2-nitropropane		1008	0	0.04	894990	0.128	0		0	40			
METHYL METHACRYLATE		147547	0	0.04	894990	0.358	0		0	40			
1,4-DIOXANE		2744	0	0.04	894990	0	0		0	40			
n-octane		5280	0	0.04	894990	0.34	0		0	40			
3,3-DIMETHYL-1-BUTANOL		159014	0	0.04	894990	0.042	0		0	40			
ETHYL METHACRYLATE		8067	0	0.04	159044	2.895	0		0	40			
CIS-1,4-DICHLORO-2-BUTENE		3503	0	0.04	159044	0.784	0		0	40			
Cyclohexanone		985	0	0.04	159044	0.493	0		0	40			
PENTACHLOROETHANE		29142	0	0.04	159044	1.323	0		0	40			
Hexachloroethane		1957	0	0.04	159044	1.827	0		0	40			

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	501601	227000	908000	3.91		
8260-1,4-DIFLUOROBENZENE	894990	406000	1620000	4.24		

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 2209	ICal Method	: 8260B
Lab File ID	: 0711_19	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	159044	72300	289000	5.39		
8260-1,4-DICHLOROBENZENE-D4	415068	188000	751000	7.8		
AP9-PENTAFLUOROBENZENE	501601	0	0	3.91		
AP9-1,4-DIFLUOROBENZENE	894990	0	0	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	159044	0	0	5.39		
AP9-1,4-DICHLOROBENZENE-D4	415068	0	0	7.8		

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_19
Analysis Date : 07/11/14 2209
Quant Method : V823G11N
ICal Method : 601-602
ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
PROPENE		68852	0.025	0.04	501601	0.227	0.2196232		3.25	40	96.8	20	180
DICHLORODIFLUOROMETHANE		206126	0.025	0.04	501601	0.65	0.6574979		1.15	40	101	55	135
CHLOROMETHANE		327141	0.025	0.04	501601	1.115	1.04351		6.41	30	93.6		
VINYL CHLORIDE		351978	0.025	0.04	501601	1.179	1.122735		4.77	30	95.2		
1,3-BUTADIENE		263845	0.025	0.04	501601	0.96	0.8416091		12.3	40	87.6	45	147
BROMOMETHANE		196449	0.025	0.04	501601	0.614	0.6266303		2.06	40	102	50	162
CHLOROETHANE		63598	0.025	0.04	501601	0.207	0.202864		2	40	98.2	62	135
TRICHLOROFLUOROMETHANE		298449	0.025	0.04	501601	1.021	0.9519885		6.76	40	93.3		
DICHLOROFLUOROMETHANE		437886	0.025	0.04	501601	1.462	1.396763		4.46	40	95.5		
ETHYL ETHER		226507	0.025	0.04	501601	0.733	0.7225089		1.43	40	98.5		
ACROLEIN		188761	0.125	0.04	501601	0.129	0.1204214		6.65	40	93.3	10	190
1,1-DICHLOROETHENE		420194	0.025	0.04	501601	1.449	1.340329		7.5	30	92.5		
1,1,2-TRICHLOROTRIFLUOROETHANE		229868	0.025	0.04	501601	0.805	0.7332298		8.92	40	91.1		
ACETONE		304329	0.125	0.04	501601	0.197	0.1941489		1.45	40	98.3	36	163
IODOMETHANE		2092610	0.125	0.04	501601	1.381	1.334996		3.33	40	96.7	61	130
CARBON DISULFIDE		930788	0.025	0.04	501601	3.346	2.969015		11.3	40	88.7	65	140
METHYLENE CHLORIDE		260490	0.025	0.04	501601	0.934	0.8309074		11	40	89		
ACRYLONITRILE		411321	0.125	0.04	501601	0.25	0.2624052		4.96	40	105		
n-Hexane		237348	0.025	0.04	501601	0.852	0.7570894		11.1	40	88.9		
TRANS-1,2-DICHLOROETHENE		240709	0.025	0.04	501601	0.821	0.7678102		6.48	40	93.5		
METHYL TERT-BUTYL ETHER		669717	0.025	0.04	501601	2.184	2.136254		2.19	40	97.8		
1,1-DICHLOROETHANE		461092	0.025	0.04	501601	1.568	1.470785		6.2	30	93.8		
VINYL ACETATE		2325511	0.125	0.04	501601	1.622	1.483577		8.53	40	91.5	65	138
DI-ISOPROPYL ETHER		875062	0.025	0.04	501601	2.857	2.791261		2.3	40	97.7		
2,2-Dichloropropane		243888	0.025	0.04	501601	0.868	0.7779506		10.4	40	89.6		
CIS-1,2-DICHLOROETHENE		252235	0.025	0.04	501601	0.832	0.8045757		3.3	40	96.7		
2-BUTANONE (MEK)		499742	0.125	0.04	501601	0.32	0.318814		0.371	40	99.6	55	149
BROMOCHLOROMETHANE		148944	0.025	0.04	501601	0.507	0.4750995		6.29	40	93.6		
TETRAHYDROFURAN		74433	0.025	0.04	501601	0.246	0.2374254		3.49	40	96.6		
CHLOROFORM		422159	0.025	0.04	501601	1.492	1.346597		9.75	30	90.2		
1,1,1-TRICHLOROETHANE		317388	0.025	0.04	501601	1.075	1.0124		5.82	40	94.2		
CARBON TETRACHLORIDE		327578	0.025	0.04	501601	1.103	1.044904		5.27	40	94.7		
1,1-Dichloropropene		343385	0.025	0.04	501601	1.18	1.095325		7.18	40	92.8		
2,2,4-TRIMETHYLPENTANE		1063306	0.025	0.04	501601	3.719	3.391719		8.8	40	91.2		
HEPTANE		471779	0.025	0.04	501601	1.582	1.504874		4.88	40	95.1		
BENZENE		960305	0.025	0.04	501601	3.235	3.063168		5.31	40	94.7		
1,2-DICHLOROETHANE		305935	0.025	0.04	501601	0.994	0.9758672		1.82	40	98.2		
TRICHLOROETHENE		228001	0.025	0.04	894990	0.432	0.4076041		5.65	40	94.3		
1,2-DICHLOROPROPANE		182894	0.025	0.04	894990	0.344	0.326965		4.95	30	94.9		
DIBROMOMETHANE		136384	0.025	0.04	894990	0.251	0.2438177		2.86	40	97		

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 601-602
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		315316	0.025	0.04	894990	0.591	0.5636997		4.62	40	95.3		
2-CHLOROETHYL VINYL ETHER		488044	0.125	0.04	894990	0.188	0.1744981		7.18	40	92.7	44	150
CIS-1,3-DICHLOROPROPENE		403996	0.025	0.04	894990	0.756	0.7222355		4.47	40	95.6		
4-METHYL-2-PENTANONE (MIBK)		482164	0.125	0.04	894990	0.168	0.1723958		2.62	40	103	71	133
TOLUENE		967101	0.025	0.04	894990	1.891	1.728915		8.57	30	91.4		
TRANS-1,3-DICHLOROPROPENE		83381	0.025	0.04	894990	0.153	0.1490627		2.57	40	97.5		
1,1,2-TRICHLOROETHANE		188647	0.025	0.04	159044	1.927	1.897809		1.51	40	98.5		
TETRACHLOROETHENE		166335	0.025	0.04	159044	1.792	1.673348		6.62	40	93.4		
1,3-Dichloropropane		357592	0.025	0.04	159044	3.862	3.597414		6.85	40	93.2		
2-HEXANONE		451813	0.125	0.04	159044	0.896	0.9090576		1.46	40	102	66	144
CHLORODIBROMOMETHANE		218041	0.025	0.04	159044	2.268	2.193516		3.28	40	96.7		
1,2-DIBROMOETHANE		195571	0.025	0.04	159044	2.06	1.967466		4.49	40	95.5		
CHLOROBENZENE		619536	0.025	0.04	159044	6.646	6.2326		6.22	30	93.8		
1,1,1,2-TETRACHLOROETHANE		210316	0.025	0.04	159044	2.174	2.115802		2.68	40	97.3		
ETHYLBENZENE		343098	0.025	0.04	159044	3.67	3.451603		5.95	30	94.1		
M&P-XYLENE		840804	0.05	0.04	159044	4.44	4.22929		4.75	40	95.3		
O-XYLENE		407279	0.025	0.04	159044	4.495	4.097271		8.85	40	91.1		
XYLENES, TOTAL		1248083	0.075	0.04	415068	0	1.603699		0	40	93.9		
STYRENE		661370	0.025	0.04	159044	6.869	6.653454		3.14	40	96.9		
Bromoform		137210	0.025	0.04	159044	1.376	1.380347		0.316	30	100		
Isopropylbenzene		1054250	0.025	0.04	159044	11.13	10.60587		4.71	40	95.3		
Bromobenzene		474160	0.025	0.04	159044	4.962	4.770101		3.87	40	96.1		
1,1,2,2-TETRACHLOROETHANE		270523	0.025	0.04	159044	2.689	2.721491		1.21	30	101		
1,2,3-TRICHLOROPROPANE		73549	0.025	0.04	159044	0.751	0.739911		1.48	40	98.5		
TRANS-1,4-DICHLORO-2-BUTENE		76263	0.025	0.04	159044	0.747	0.7672141		2.71	40	103	65	123
n-Propylbenzene		1228945	0.025	0.04	159044	13.13	12.36332		5.84	40	94.2		
4-ETHYLTOLUENE		986232	0.025	0.04	159044	10.5	9.921601		5.51	40	94.5		
2-Chlorotoluene		245065	0.025	0.04	159044	2.674	2.465381		7.8	40	92.2		
4-Chlorotoluene		741925	0.025	0.04	159044	7.783	7.463846		4.1	40	95.9		
1,3,5-Trimethylbenzene		866465	0.025	0.04	159044	9.16	8.716732		4.84	40	95.2		
tert-Butylbenzene		728119	0.025	0.04	159044	7.761	7.324956		5.62	40	94.4		
1,2,4-Trimethylbenzene		852665	0.025	0.04	159044	9.049999	8.577903		5.22	40	94.8		
sec-Butylbenzene		1136062	0.025	0.04	159044	12.11	11.42891		5.62	40	94.4		
1,3-DICHLOROBENZENE		444177	0.025	0.04	159044	4.707	4.468469		5.07	40	94.9		
p-Isopropyltoluene		913878	0.025	0.04	159044	9.73	9.193712		5.51	40	94.5		
DICYCLOPENTADIENE		1047407	0.025	0.04	159044	11.32	10.53703		6.92	40	93.1		
1,4-DICHLOROBENZENE		452429	0.025	0.04	415068	1.904	1.744019		8.4	40	91.6		
1,2,3-TRIMETHYLBENZENE		897085	0.025	0.04	415068	3.852	3.458074		10.2	40	89.8		
1,2-DICHLOROBENZENE		424300	0.025	0.04	415068	1.711	1.635587		4.41	40	95.6		
n-Butylbenzene		840594	0.025	0.04	415068	3.529	3.240313		8.18	40	91.8		

SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_19
Analysis Date : 07/11/14 2209
Quant Method : V823G11N
ICal Method : 601-602
ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
1,2-Dibromo-3-chloropropane		53687	0.025	0.04	415068	0.196	0.2069521		5.59	40	106	65	128
1,2,4-Trichlorobenzene		276205	0.025	0.04	415068	1.15	1.064712		7.42	40	92.6		
HEXACHLORO-1,3-BUTADIENE		151594	0.025	0.04	415068	0.626	0.584363		6.65	40	93.3		
Naphthalene		708958	0.025	0.04	415068	2.763	2.732884		1.09	40	98.9	68	128
1,2,3-Trichlorobenzene		262932	0.025	0.04	415068	1.065	1.013548		4.83	40	95.2		
1-Methylnaphthalene		398076	0.025	0.04	415068	1.465	1.534499		4.74	40	105	57	149
2-Methylnaphthalene		330684	0.025	0.04	415068	1.188	1.274717		7.3	40	107	60	146
ETHANOL		0	0	0.04	501601	0.007	0		0	40			
Bromoethane		2014	0	0.04	501601	0.605	0		0	40			
2-PROPANOL		585	0	0.04	501601	0.044	0		0	40			
Methyl Acetate		16582	0	0.04	501601	0.54	0		0	40			
ACETONITRILE		908	0	0.04	501601	0.078	0		0	40			
ALLYL CHLORIDE		0	0	0.04	501601	0.406	0		0	40			
tert-BUTYL ALCOHOL		828	0	0.04	501601	0.086	0		0	40			
chloroprene		411321	0	0.04	501601	1.214	0		0	40			
ETHYL TERT-BUTYL ETHER		778	0	0.04	501601	2.372	0		0	40			
PROPIONITRILE		3808	0	0.04	501601	0.098	0		0	40			
Ethyl Acetate		845	0	0.04	501601	0.606	0		0	40			
METHACRYLONITRILE		1556	0	0.04	501601	0.287	0		0	40			
Cyclohexane		16575	0	0.04	501601	1.025	0		0	40			
tert-butyl formate		1065	0	0.04	501601	0.678	0		0	40			
ISOBUTANOL		0	0	0.04	501601	0.046	0		0	40			
t-Amyl Alcohol		2052	0	0.04	501601	0.068	0		0	40			
TERT-AMYL METHYL ETHER		16474	0	0.04	501601	2.084	0		0	40			
N-BUTANOL		791	0	0.04	894990	0.014	0		0	40			
Methyl Cyclohexane		14833	0	0.04	894990	0.793	0		0	40			
2-nitropropane		1008	0	0.04	894990	0.128	0		0	40			
METHYL METHACRYLATE		147547	0	0.04	894990	0.358	0		0	40			
1,4-DIOXANE		2744	0	0.04	894990	0	0		0	40			
n-octane		5280	0	0.04	894990	0.34	0		0	40			
3,3-DIMETHYL-1-BUTANOL		159014	0	0.04	894990	0.042	0		0	40			
ETHYL METHACRYLATE		8067	0	0.04	159044	2.895	0		0	40			
CIS-1,4-DICHLORO-2-BUTENE		3503	0	0.04	159044	0.784	0		0	40			
Cyclohexanone		985	0	0.04	159044	0.493	0		0	40			
PENTACHLOROETHANE		29142	0	0.04	159044	1.323	0		0	40			
Hexachloroethane		1957	0	0.04	159044	1.827	0		0	40			

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	501601	227000	908000	3.91		
8260-1,4-DIFLUOROBENZENE	894990	406000	1620000	4.24		

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 2209	ICal Method	: 601-602
Lab File ID	: 0711_19	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	159044	72300	289000	5.39		
8260-1,4-DICHLOROBENZENE-D4	415068	188000	751000	7.8		
AP9-PENTAFLUOROBENZENE	501601	0	0	3.91		
AP9-1,4-DIFLUOROBENZENE	894990	0	0	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	159044	0	0	5.39		
AP9-1,4-DICHLOROBENZENE-D4	415068	0	0	7.8		

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_19
Analysis Date : 07/11/14 2209
Quant Method : V823G11N
ICal Method : 624
ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
PROPENE		68852	0.025	0.04	501601	0.227	0.2196232		3.25	40	96.8	20	180
DICHLORODIFLUOROMETHANE		206126	0.025	0.04	501601	0.65	0.6574979		1.15	40	101	55	135
CHLOROMETHANE		327141	0.025	0.04	501601	1.115	1.04351		6.41	30	93.6		
VINYL CHLORIDE		351978	0.025	0.04	501601	1.179	1.122735		4.77	30	95.2		
1,3-BUTADIENE		263845	0.025	0.04	501601	0.96	0.8416091		12.3	40	87.6	45	147
BROMOMETHANE		196449	0.025	0.04	501601	0.614	0.6266303		2.06	40	102	50	162
CHLOROETHANE		63598	0.025	0.04	501601	0.207	0.202864		2	40	98.2	62	135
TRICHLOROFLUOROMETHANE		298449	0.025	0.04	501601	1.021	0.9519885		6.76	40	93.3		
DICHLOROFLUOROMETHANE		437886	0.025	0.04	501601	1.462	1.396763		4.46	40	95.5		
ETHYL ETHER		226507	0.025	0.04	501601	0.733	0.7225089		1.43	40	98.5		
ACROLEIN		188761	0.125	0.04	501601	0.129	0.1204214		6.65	40	93.3	10	190
1,1-DICHLOROETHENE		420194	0.025	0.04	501601	1.449	1.340329		7.5	30	92.5		
1,1,2-TRICHLOROTRIFLUOROETHANE		229868	0.025	0.04	501601	0.805	0.7332298		8.92	40	91.1		
ACETONE		304329	0.125	0.04	501601	0.197	0.1941489		1.45	40	98.3	36	163
IODOMETHANE		2092610	0.125	0.04	501601	1.381	1.334996		3.33	40	96.7	61	130
CARBON DISULFIDE		930788	0.025	0.04	501601	3.346	2.969015		11.3	40	88.7	65	140
METHYLENE CHLORIDE		260490	0.025	0.04	501601	0.934	0.8309074		11	40	89		
ACRYLONITRILE		411321	0.125	0.04	501601	0.25	0.2624052		4.96	40	105		
n-Hexane		237348	0.025	0.04	501601	0.852	0.7570894		11.1	40	88.9		
TRANS-1,2-DICHLOROETHENE		240709	0.025	0.04	501601	0.821	0.7678102		6.48	40	93.5		
METHYL TERT-BUTYL ETHER		669717	0.025	0.04	501601	2.184	2.136254		2.19	40	97.8		
1,1-DICHLOROETHANE		461092	0.025	0.04	501601	1.568	1.470785		6.2	30	93.8		
VINYL ACETATE		2325511	0.125	0.04	501601	1.622	1.483577		8.53	40	91.5	65	138
DI-ISOPROPYL ETHER		875062	0.025	0.04	501601	2.857	2.791261		2.3	40	97.7		
2,2-Dichloropropane		243888	0.025	0.04	501601	0.868	0.7779506		10.4	40	89.6		
CIS-1,2-DICHLOROETHENE		252235	0.025	0.04	501601	0.832	0.8045757		3.3	40	96.7		
2-BUTANONE (MEK)		499742	0.125	0.04	501601	0.32	0.318814		0.371	40	99.6	55	149
BROMOCHLOROMETHANE		148944	0.025	0.04	501601	0.507	0.4750995		6.29	40	93.6		
TETRAHYDROFURAN		74433	0.025	0.04	501601	0.246	0.2374254		3.49	40	96.6		
CHLOROFORM		422159	0.025	0.04	501601	1.492	1.346597		9.75	30	90.2		
1,1,1-TRICHLOROETHANE		317388	0.025	0.04	501601	1.075	1.0124		5.82	40	94.2		
CARBON TETRACHLORIDE		327578	0.025	0.04	501601	1.103	1.044904		5.27	40	94.7		
1,1-Dichloropropene		343385	0.025	0.04	501601	1.18	1.095325		7.18	40	92.8		
2,2,4-TRIMETHYLPENTANE		1063306	0.025	0.04	501601	3.719	3.391719		8.8	40	91.2		
HEPTANE		471779	0.025	0.04	501601	1.582	1.504874		4.88	40	95.1		
BENZENE		960305	0.025	0.04	501601	3.235	3.063168		5.31	40	94.7		
1,2-DICHLOROETHANE		305935	0.025	0.04	501601	0.994	0.9758672		1.82	40	98.2		
TRICHLOROETHENE		228001	0.025	0.04	894990	0.432	0.4076041		5.65	40	94.3		
1,2-DICHLOROPROPANE		182894	0.025	0.04	894990	0.344	0.326965		4.95	30	94.9		
DIBROMOMETHANE		136384	0.025	0.04	894990	0.251	0.2438177		2.86	40	97		

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 624
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		315316	0.025	0.04	894990	0.591	0.5636997		4.62	40	95.3		
2-CHLOROETHYL VINYL ETHER		488044	0.125	0.04	894990	0.188	0.1744981		7.18	40	92.7	44	150
CIS-1,3-DICHLOROPROPENE		403996	0.025	0.04	894990	0.756	0.7222355		4.47	40	95.6		
4-METHYL-2-PENTANONE (MIBK)		482164	0.125	0.04	894990	0.168	0.1723958		2.62	40	103	71	133
TOLUENE		967101	0.025	0.04	894990	1.891	1.728915		8.57	40	91.4		
TRANS-1,3-DICHLOROPROPENE		83381	0.025	0.04	894990	0.153	0.1490627		2.57	40	97.5		
1,1,2-TRICHLOROETHANE		188647	0.025	0.04	159044	1.927	1.897809		1.51	40	98.5		
TETRACHLOROETHENE		166335	0.025	0.04	159044	1.792	1.673348		6.62	40	93.4		
1,3-Dichloropropane		357592	0.025	0.04	159044	3.862	3.597414		6.85	40	93.2		
2-HEXANONE		451813	0.125	0.04	159044	0.896	0.9090576		1.46	40	102	66	144
CHLORODIBROMOMETHANE		218041	0.025	0.04	159044	2.268	2.193516		3.28	40	96.7		
1,2-DIBROMOETHANE		195571	0.025	0.04	159044	2.06	1.967466		4.49	40	95.5		
CHLOROBENZENE		619536	0.025	0.04	159044	6.646	6.2326		6.22	30	93.8		
1,1,1,2-TETRACHLOROETHANE		210316	0.025	0.04	159044	2.174	2.115802		2.68	40	97.3		
ETHYLBENZENE		343098	0.025	0.04	159044	3.67	3.451603		5.95	30	94.1		
M&P-XYLENE		840804	0.05	0.04	159044	4.44	4.22929		4.75	40	95.3		
O-XYLENE		407279	0.025	0.04	159044	4.495	4.097271		8.85	40	91.1		
XYLENES, TOTAL		1248083	0.075	0.04	415068	0	1.603699		0	40	93.9		
STYRENE		661370	0.025	0.04	159044	6.869	6.653454		3.14	40	96.9		
Bromoform		137210	0.025	0.04	159044	1.376	1.380347		0.316	30	100		
Isopropylbenzene		1054250	0.025	0.04	159044	11.13	10.60587		4.71	40	95.3		
Bromobenzene		474160	0.025	0.04	159044	4.962	4.770101		3.87	40	96.1		
1,1,2,2-TETRACHLOROETHANE		270523	0.025	0.04	159044	2.689	2.721491		1.21	30	101		
1,2,3-TRICHLOROPROPANE		73549	0.025	0.04	159044	0.751	0.739911		1.48	40	98.5		
TRANS-1,4-DICHLORO-2-BUTENE		76263	0.025	0.04	159044	0.747	0.7672141		2.71	40	103	65	123
n-Propylbenzene		1228945	0.025	0.04	159044	13.13	12.36332		5.84	40	94.2		
4-ETHYLTOLUENE		986232	0.025	0.04	159044	10.5	9.921601		5.51	40	94.5		
2-Chlorotoluene		245065	0.025	0.04	159044	2.674	2.465381		7.8	40	92.2		
4-Chlorotoluene		741925	0.025	0.04	159044	7.783	7.463846		4.1	40	95.9		
1,3,5-Trimethylbenzene		866465	0.025	0.04	159044	9.16	8.716732		4.84	40	95.2		
tert-Butylbenzene		728119	0.025	0.04	159044	7.761	7.324956		5.62	40	94.4		
1,2,4-Trimethylbenzene		852665	0.025	0.04	159044	9.049999	8.577903		5.22	40	94.8		
sec-Butylbenzene		1136062	0.025	0.04	159044	12.11	11.42891		5.62	40	94.4		
1,3-DICHLOROBENZENE		444177	0.025	0.04	159044	4.707	4.468469		5.07	40	94.9		
p-Isopropyltoluene		913878	0.025	0.04	159044	9.73	9.193712		5.51	40	94.5		
DICYCLOPENTADIENE		1047407	0.025	0.04	159044	11.32	10.53703		6.92	40	93.1		
1,4-DICHLOROBENZENE		452429	0.025	0.04	415068	1.904	1.744019		8.4	40	91.6		
1,2,3-TRIMETHYLBENZENE		897085	0.025	0.04	415068	3.852	3.458074		10.2	40	89.8		
1,2-DICHLOROBENZENE		424300	0.025	0.04	415068	1.711	1.635587		4.41	40	95.6		
n-Butylbenzene		840594	0.025	0.04	415068	3.529	3.240313		8.18	40	91.8		

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 624
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
1,2-Dibromo-3-chloropropane		53687	0.025	0.04	415068	0.196	0.2069521		5.59	40	106	65	128
1,2,4-Trichlorobenzene		276205	0.025	0.04	415068	1.15	1.064712		7.42	40	92.6		
HEXACHLORO-1,3-BUTADIENE		151594	0.025	0.04	415068	0.626	0.584363		6.65	40	93.3		
Naphthalene		708958	0.025	0.04	415068	2.763	2.732884		1.09	40	98.9	68	128
1,2,3-Trichlorobenzene		262932	0.025	0.04	415068	1.065	1.013548		4.83	40	95.2		
1-Methylnaphthalene		398076	0.025	0.04	415068	1.465	1.534499		4.74	40	105	57	149
2-Methylnaphthalene		330684	0.025	0.04	415068	1.188	1.274717		7.3	40	107	60	146
ETHANOL		0	0	0.04	501601	0.007	0		0	40			
Bromoethane		2014	0	0.04	501601	0.605	0		0	40			
2-PROPANOL		585	0	0.04	501601	0.044	0		0	40			
Methyl Acetate		16582	0	0.04	501601	0.54	0		0	40			
ACETONITRILE		908	0	0.04	501601	0.078	0		0	40			
ALLYL CHLORIDE		0	0	0.04	501601	0.406	0		0	40			
tert-BUTYL ALCOHOL		828	0	0.04	501601	0.086	0		0	40			
chloroprene		411321	0	0.04	501601	1.214	0		0	40			
ETHYL TERT-BUTYL ETHER		778	0	0.04	501601	2.372	0		0	40			
PROPIONITRILE		3808	0	0.04	501601	0.098	0		0	40			
Ethyl Acetate		845	0	0.04	501601	0.606	0		0	40			
METHACRYLONITRILE		1556	0	0.04	501601	0.287	0		0	40			
Cyclohexane		16575	0	0.04	501601	1.025	0		0	40			
tert-butyl formate		1065	0	0.04	501601	0.678	0		0	40			
ISOBUTANOL		0	0	0.04	501601	0.046	0		0	40			
t-Amyl Alcohol		2052	0	0.04	501601	0.068	0		0	40			
TERT-AMYL METHYL ETHER		16474	0	0.04	501601	2.084	0		0	40			
N-BUTANOL		791	0	0.04	894990	0.014	0		0	40			
Methyl Cyclohexane		14833	0	0.04	894990	0.793	0		0	40			
2-nitropropane		1008	0	0.04	894990	0.128	0		0	40			
METHYL METHACRYLATE		147547	0	0.04	894990	0.358	0		0	40			
1,4-DIOXANE		2744	0	0.04	894990	0	0		0	40			
n-octane		5280	0	0.04	894990	0.34	0		0	40			
3,3-DIMETHYL-1-BUTANOL		159014	0	0.04	894990	0.042	0		0	40			
ETHYL METHACRYLATE		8067	0	0.04	159044	2.895	0		0	40			
CIS-1,4-DICHLORO-2-BUTENE		3503	0	0.04	159044	0.784	0		0	40			
Cyclohexanone		985	0	0.04	159044	0.493	0		0	40			
PENTACHLOROETHANE		29142	0	0.04	159044	1.323	0		0	40			
Hexachloroethane		1957	0	0.04	159044	1.827	0		0	40			

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	501601	227000	908000	3.91		
8260-1,4-DIFLUOROBENZENE	894990	406000	1620000	4.24		

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 2209	ICal Method	: 624
Lab File ID	: 0711_19	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	159044	72300	289000	5.39		
8260-1,4-DICHLOROBENZENE-D4	415068	188000	751000	7.8		
AP9-PENTAFLUOROBENZENE	501601	0	0	3.91		
AP9-1,4-DIFLUOROBENZENE	894990	0	0	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	159044	0	0	5.39		
AP9-1,4-DICHLOROBENZENE-D4	415068	0	0	7.8		

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 8260SC
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : SC

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
PROPENE		68852	0.025	0.04	501601	0.227	0.2196232		3.25	40	96.8	20	180
DICHLORODIFLUOROMETHANE		206126	0.025	0.04	501601	0.65	0.6574979		1.15	40	101	55	135
CHLOROMETHANE		327141	0.025	0.04	501601	1.115	1.04351		6.41	30	93.6		
VINYL CHLORIDE		351978	0.025	0.04	501601	1.179	1.122735		4.77	30	95.2		
1,3-BUTADIENE		263845	0.025	0.04	501601	0.96	0.8416091		12.3	40	87.6	45	147
BROMOMETHANE		196449	0.025	0.04	501601	0.614	0.6266303		2.06	40	102	50	162
CHLOROETHANE		63598	0.025	0.04	501601	0.207	0.202864		2	40	98.2	62	135
TRICHLOROFLUOROMETHANE		298449	0.025	0.04	501601	1.021	0.9519885		6.76	40	93.3		
DICHLOROFLUOROMETHANE		437886	0.025	0.04	501601	1.462	1.396763		4.46	40	95.5		
ETHYL ETHER		226507	0.025	0.04	501601	0.733	0.7225089		1.43	40	98.5		
ACROLEIN		188761	0.125	0.04	501601	0.129	0.1204214		6.65	40	93.3	10	190
1,1-DICHLOROETHENE		420194	0.025	0.04	501601	1.449	1.340329		7.5	30	92.5		
1,1,2-TRICHLOROTRIFLUOROETHANE		229868	0.025	0.04	501601	0.805	0.7332298		8.92	40	91.1		
ACETONE		304329	0.125	0.04	501601	0.197	0.1941489		1.45	40	98.3	36	163
IODOMETHANE		2092610	0.125	0.04	501601	1.381	1.334996		3.33	40	96.7	61	130
CARBON DISULFIDE		930788	0.025	0.04	501601	3.346	2.969015		11.3	40	88.7	65	140
METHYLENE CHLORIDE		260490	0.025	0.04	501601	0.934	0.8309074		11	40	89		
ACRYLONITRILE		411321	0.125	0.04	501601	0.25	0.2624052		4.96	40	105		
n-Hexane		237348	0.025	0.04	501601	0.852	0.7570894		11.1	40	88.9		
TRANS-1,2-DICHLOROETHENE		240709	0.025	0.04	501601	0.821	0.7678102		6.48	40	93.5		
METHYL TERT-BUTYL ETHER		669717	0.025	0.04	501601	2.184	2.136254		2.19	40	97.8		
1,1-DICHLOROETHANE		461092	0.025	0.04	501601	1.568	1.470785		6.2	30	93.8		
VINYL ACETATE		2325511	0.125	0.04	501601	1.622	1.483577		8.53	40	91.5	65	138
DI-ISOPROPYL ETHER		875062	0.025	0.04	501601	2.857	2.791261		2.3	40	97.7		
2,2-Dichloropropane		243888	0.025	0.04	501601	0.868	0.7779506		10.4	40	89.6		
CIS-1,2-DICHLOROETHENE		252235	0.025	0.04	501601	0.832	0.8045757		3.3	40	96.7		
2-BUTANONE (MEK)		499742	0.125	0.04	501601	0.32	0.318814		0.371	40	99.6	55	149
BROMOCHLOROMETHANE		148944	0.025	0.04	501601	0.507	0.4750995		6.29	40	93.6		
TETRAHYDROFURAN		74433	0.025	0.04	501601	0.246	0.2374254		3.49	40	96.6		
CHLOROFORM		422159	0.025	0.04	501601	1.492	1.346597		9.75	30	90.2		
1,1,1-TRICHLOROETHANE		317388	0.025	0.04	501601	1.075	1.0124		5.82	40	94.2		
CARBON TETRACHLORIDE		327578	0.025	0.04	501601	1.103	1.044904		5.27	40	94.7		
1,1-Dichloropropene		343385	0.025	0.04	501601	1.18	1.095325		7.18	40	92.8		
2,2,4-TRIMETHYLPENTANE		1063306	0.025	0.04	501601	3.719	3.391719		8.8	40	91.2		
HEPTANE		471779	0.025	0.04	501601	1.582	1.504874		4.88	40	95.1		
BENZENE		960305	0.025	0.04	501601	3.235	3.063168		5.31	40	94.7		
1,2-DICHLOROETHANE		305935	0.025	0.04	501601	0.994	0.9758672		1.82	40	98.2		
TRICHLOROETHENE		228001	0.025	0.04	894990	0.432	0.4076041		5.65	40	94.3		
1,2-DICHLOROPROPANE		182894	0.025	0.04	894990	0.344	0.326965		4.95	30	94.9		
DIBROMOMETHANE		136384	0.025	0.04	894990	0.251	0.2438177		2.86	40	97		

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 8260SC
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : SC

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		315316	0.025	0.04	894990	0.591	0.5636997		4.62	40	95.3		
2-CHLOROETHYL VINYL ETHER		488044	0.125	0.04	894990	0.188	0.1744981		7.18	40	92.7	44	150
CIS-1,3-DICHLOROPROPENE		403996	0.025	0.04	894990	0.756	0.7222355		4.47	40	95.6		
4-METHYL-2-PENTANONE (MIBK)		482164	0.125	0.04	894990	0.168	0.1723958		2.62	40	103	71	133
TOLUENE		967101	0.025	0.04	894990	1.891	1.728915		8.57	30	91.4		
TRANS-1,3-DICHLOROPROPENE		83381	0.025	0.04	894990	0.153	0.1490627		2.57	40	97.5		
1,1,2-TRICHLOROETHANE		188647	0.025	0.04	159044	1.927	1.897809		1.51	40	98.5		
TETRACHLOROETHENE		166335	0.025	0.04	159044	1.792	1.673348		6.62	40	93.4		
1,3-Dichloropropane		357592	0.025	0.04	159044	3.862	3.597414		6.85	40	93.2		
2-HEXANONE		451813	0.125	0.04	159044	0.896	0.9090576		1.46	40	102	66	144
CHLORODIBROMOMETHANE		218041	0.025	0.04	159044	2.268	2.193516		3.28	40	96.7		
1,2-DIBROMOETHANE		195571	0.025	0.04	159044	2.06	1.967466		4.49	40	95.5		
CHLOROBENZENE		619536	0.025	0.04	159044	6.646	6.2326		6.22	30	93.8		
1,1,1,2-TETRACHLOROETHANE		210316	0.025	0.04	159044	2.174	2.115802		2.68	40	97.3		
ETHYLBENZENE		343098	0.025	0.04	159044	3.67	3.451603		5.95	30	94.1		
M&P-XYLENE		840804	0.05	0.04	159044	4.44	4.22929		4.75	40	95.3		
O-XYLENE		407279	0.025	0.04	159044	4.495	4.097271		8.85	40	91.1		
XYLENES, TOTAL		1248083	0.075	0.04	415068	0	1.603699		0	40	93.9		
STYRENE		661370	0.025	0.04	159044	6.869	6.653454		3.14	40	96.9		
Bromoform		137210	0.025	0.04	159044	1.376	1.380347		0.316	30	100		
Isopropylbenzene		1054250	0.025	0.04	159044	11.13	10.60587		4.71	40	95.3		
Bromobenzene		474160	0.025	0.04	159044	4.962	4.770101		3.87	40	96.1		
1,1,2,2-TETRACHLOROETHANE		270523	0.025	0.04	159044	2.689	2.721491		1.21	30	101		
1,2,3-TRICHLOROPROPANE		73549	0.025	0.04	159044	0.751	0.739911		1.48	40	98.5		
TRANS-1,4-DICHLORO-2-BUTENE		76263	0.025	0.04	159044	0.747	0.7672141		2.71	40	103	65	123
n-Propylbenzene		1228945	0.025	0.04	159044	13.13	12.36332		5.84	40	94.2		
4-ETHYLTOLUENE		986232	0.025	0.04	159044	10.5	9.921601		5.51	40	94.5		
2-Chlorotoluene		245065	0.025	0.04	159044	2.674	2.465381		7.8	40	92.2		
4-Chlorotoluene		741925	0.025	0.04	159044	7.783	7.463846		4.1	40	95.9		
1,3,5-Trimethylbenzene		866465	0.025	0.04	159044	9.16	8.716732		4.84	40	95.2		
tert-Butylbenzene		728119	0.025	0.04	159044	7.761	7.324956		5.62	40	94.4		
1,2,4-Trimethylbenzene		852665	0.025	0.04	159044	9.049999	8.577903		5.22	40	94.8		
sec-Butylbenzene		1136062	0.025	0.04	159044	12.11	11.42891		5.62	40	94.4		
1,3-DICHLOROBENZENE		444177	0.025	0.04	159044	4.707	4.468469		5.07	40	94.9		
p-Isopropyltoluene		913878	0.025	0.04	159044	9.73	9.193712		5.51	40	94.5		
DICYCLOPENTADIENE		1047407	0.025	0.04	159044	11.32	10.53703		6.92	40	93.1		
1,4-DICHLOROBENZENE		452429	0.025	0.04	415068	1.904	1.744019		8.4	40	91.6		
1,2,3-TRIMETHYLBENZENE		897085	0.025	0.04	415068	3.852	3.458074		10.2	40	89.8		
1,2-DICHLOROBENZENE		424300	0.025	0.04	415068	1.711	1.635587		4.41	40	95.6		
n-Butylbenzene		840594	0.025	0.04	415068	3.529	3.240313		8.18	40	91.8		

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 8260SC
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : SC

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
1,2-Dibromo-3-chloropropane		53687	0.025	0.04	415068	0.196	0.2069521		5.59	40	106	65	128
1,2,4-Trichlorobenzene		276205	0.025	0.04	415068	1.15	1.064712		7.42	40	92.6		
HEXACHLORO-1,3-BUTADIENE		151594	0.025	0.04	415068	0.626	0.584363		6.65	40	93.3		
Naphthalene		708958	0.025	0.04	415068	2.763	2.732884		1.09	40	98.9	68	128
1,2,3-Trichlorobenzene		262932	0.025	0.04	415068	1.065	1.013548		4.83	40	95.2		
1-Methylnaphthalene		398076	0.025	0.04	415068	1.465	1.534499		4.74	40	105	57	149
2-Methylnaphthalene		330684	0.025	0.04	415068	1.188	1.274717		7.3	40	107	60	146
ETHANOL		0	0	0.04	501601	0.007	0		0	40			
Bromoethane		2014	0	0.04	501601	0.605	0		0	40			
2-PROPANOL		585	0	0.04	501601	0.044	0		0	40			
Methyl Acetate		16582	0	0.04	501601	0.54	0		0	40			
ACETONITRILE		908	0	0.04	501601	0.078	0		0	40			
ALLYL CHLORIDE		0	0	0.04	501601	0.406	0		0	40			
tert-BUTYL ALCOHOL		828	0	0.04	501601	0.086	0		0	40			
chloroprene		411321	0	0.04	501601	1.214	0		0	40			
ETHYL TERT-BUTYL ETHER		778	0	0.04	501601	2.372	0		0	40			
PROPIONITRILE		3808	0	0.04	501601	0.098	0		0	40			
Ethyl Acetate		845	0	0.04	501601	0.606	0		0	40			
METHACRYLONITRILE		1556	0	0.04	501601	0.287	0		0	40			
Cyclohexane		16575	0	0.04	501601	1.025	0		0	40			
tert-butyl formate		1065	0	0.04	501601	0.678	0		0	40			
ISOBUTANOL		0	0	0.04	501601	0.046	0		0	40			
t-Amyl Alcohol		2052	0	0.04	501601	0.068	0		0	40			
TERT-AMYL METHYL ETHER		16474	0	0.04	501601	2.084	0		0	40			
N-BUTANOL		791	0	0.04	894990	0.014	0		0	40			
Methyl Cyclohexane		14833	0	0.04	894990	0.793	0		0	40			
2-nitropropane		1008	0	0.04	894990	0.128	0		0	40			
METHYL METHACRYLATE		147547	0	0.04	894990	0.358	0		0	40			
1,4-DIOXANE		2744	0	0.04	894990	0	0		0	40			
n-octane		5280	0	0.04	894990	0.34	0		0	40			
3,3-DIMETHYL-1-BUTANOL		159014	0	0.04	894990	0.042	0		0	40			
ETHYL METHACRYLATE		8067	0	0.04	159044	2.895	0		0	40			
CIS-1,4-DICHLORO-2-BUTENE		3503	0	0.04	159044	0.784	0		0	40			
Cyclohexanone		985	0	0.04	159044	0.493	0		0	40			
PENTACHLOROETHANE		29142	0	0.04	159044	1.323	0		0	40			
Hexachloroethane		1957	0	0.04	159044	1.827	0		0	40			

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	501601	227000	908000	3.91		
8260-1,4-DIFLUOROBENZENE	894990	406000	1620000	4.24		

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 2209	ICal Method	: 8260SC
Lab File ID	: 0711_19	Quant Method	: V823G11N	ICal Protocol	: SC

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	159044	72300	289000	5.39		
8260-1,4-DICHLOROBENZENE-D4	415068	188000	751000	7.8		
AP9-PENTAFLUOROBENZENE	501601	0	0	3.91		
AP9-1,4-DIFLUOROBENZENE	894990	0	0	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	159044	0	0	5.39		
AP9-1,4-DICHLOROBENZENE-D4	415068	0	0	7.8		

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_19
Analysis Date : 07/11/14 2209
Quant Method : V823G11N
ICal Method : 6200
ICal Protocol : SM 20th

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
PROPENE		68852	0.025	0.04	501601	0.227	0.2196232		3.25	40	96.8	20	180
DICHLORODIFLUOROMETHANE		206126	0.025	0.04	501601	0.65	0.6574979		1.15	40	101	55	135
CHLOROMETHANE		327141	0.025	0.04	501601	1.115	1.04351		6.41	30	93.6		
VINYL CHLORIDE		351978	0.025	0.04	501601	1.179	1.122735		4.77	30	95.2		
1,3-BUTADIENE		263845	0.025	0.04	501601	0.96	0.8416091		12.3	40	87.6	45	147
BROMOMETHANE		196449	0.025	0.04	501601	0.614	0.6266303		2.06	40	102	50	162
CHLOROETHANE		63598	0.025	0.04	501601	0.207	0.202864		2	40	98.2	62	135
TRICHLOROFLUOROMETHANE		298449	0.025	0.04	501601	1.021	0.9519885		6.76	40	93.3		
DICHLOROFLUOROMETHANE		437886	0.025	0.04	501601	1.462	1.396763		4.46	40	95.5		
ETHYL ETHER		226507	0.025	0.04	501601	0.733	0.7225089		1.43	40	98.5		
ACROLEIN		188761	0.125	0.04	501601	0.129	0.1204214		6.65	40	93.3	10	190
1,1-DICHLOROETHENE		420194	0.025	0.04	501601	1.449	1.340329		7.5	30	92.5		
1,1,2-TRICHLOROTRIFLUOROETHANE		229868	0.025	0.04	501601	0.805	0.7332298		8.92	40	91.1		
ACETONE		304329	0.125	0.04	501601	0.197	0.1941489		1.45	40	98.3	36	163
IODOMETHANE		2092610	0.125	0.04	501601	1.381	1.334996		3.33	40	96.7	61	130
CARBON DISULFIDE		930788	0.025	0.04	501601	3.346	2.969015		11.3	40	88.7	65	140
METHYLENE CHLORIDE		260490	0.025	0.04	501601	0.934	0.8309074		11	40	89		
ACRYLONITRILE		411321	0.125	0.04	501601	0.25	0.2624052		4.96	40	105		
n-Hexane		237348	0.025	0.04	501601	0.852	0.7570894		11.1	40	88.9		
TRANS-1,2-DICHLOROETHENE		240709	0.025	0.04	501601	0.821	0.7678102		6.48	40	93.5		
METHYL TERT-BUTYL ETHER		669717	0.025	0.04	501601	2.184	2.136254		2.19	40	97.8		
1,1-DICHLOROETHANE		461092	0.025	0.04	501601	1.568	1.470785		6.2	30	93.8		
VINYL ACETATE		2325511	0.125	0.04	501601	1.622	1.483577		8.53	40	91.5	65	138
DI-ISOPROPYL ETHER		875062	0.025	0.04	501601	2.857	2.791261		2.3	40	97.7		
2,2-Dichloropropane		243888	0.025	0.04	501601	0.868	0.7779506		10.4	40	89.6		
CIS-1,2-DICHLOROETHENE		252235	0.025	0.04	501601	0.832	0.8045757		3.3	40	96.7		
2-BUTANONE (MEK)		499742	0.125	0.04	501601	0.32	0.318814		0.371	40	99.6	55	149
BROMOCHLOROMETHANE		148944	0.025	0.04	501601	0.507	0.4750995		6.29	40	93.6		
TETRAHYDROFURAN		74433	0.025	0.04	501601	0.246	0.2374254		3.49	40	96.6		
CHLOROFORM		422159	0.025	0.04	501601	1.492	1.346597		9.75	30	90.2		
1,1,1-TRICHLOROETHANE		317388	0.025	0.04	501601	1.075	1.0124		5.82	40	94.2		
CARBON TETRACHLORIDE		327578	0.025	0.04	501601	1.103	1.044904		5.27	40	94.7		
1,1-Dichloropropene		343385	0.025	0.04	501601	1.18	1.095325		7.18	40	92.8		
2,2,4-TRIMETHYLPENTANE		1063306	0.025	0.04	501601	3.719	3.391719		8.8	40	91.2		
HEPTANE		471779	0.025	0.04	501601	1.582	1.504874		4.88	40	95.1		
BENZENE		960305	0.025	0.04	501601	3.235	3.063168		5.31	40	94.7		
1,2-DICHLOROETHANE		305935	0.025	0.04	501601	0.994	0.9758672		1.82	40	98.2		
TRICHLOROETHENE		228001	0.025	0.04	894990	0.432	0.4076041		5.65	40	94.3		
1,2-DICHLOROPROPANE		182894	0.025	0.04	894990	0.344	0.326965		4.95	30	94.9		
DIBROMOMETHANE		136384	0.025	0.04	894990	0.251	0.2438177		2.86	40	97		

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 6200
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : SM 20th

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		315316	0.025	0.04	894990	0.591	0.5636997		4.62	40	95.3		
2-CHLOROETHYL VINYL ETHER		488044	0.125	0.04	894990	0.188	0.1744981		7.18	40	92.7	44	150
CIS-1,3-DICHLOROPROPENE		403996	0.025	0.04	894990	0.756	0.7222355		4.47	40	95.6		
4-METHYL-2-PENTANONE (MIBK)		482164	0.125	0.04	894990	0.168	0.1723958		2.62	40	103	71	133
TOLUENE		967101	0.025	0.04	894990	1.891	1.728915		8.57	30	91.4		
TRANS-1,3-DICHLOROPROPENE		83381	0.025	0.04	894990	0.153	0.1490627		2.57	40	97.5		
1,1,2-TRICHLOROETHANE		188647	0.025	0.04	159044	1.927	1.897809		1.51	40	98.5		
TETRACHLOROETHENE		166335	0.025	0.04	159044	1.792	1.673348		6.62	40	93.4		
1,3-Dichloropropane		357592	0.025	0.04	159044	3.862	3.597414		6.85	40	93.2		
2-HEXANONE		451813	0.125	0.04	159044	0.896	0.9090576		1.46	40	102	66	144
CHLORODIBROMOMETHANE		218041	0.025	0.04	159044	2.268	2.193516		3.28	40	96.7		
1,2-DIBROMOETHANE		195571	0.025	0.04	159044	2.06	1.967466		4.49	40	95.5		
CHLOROBENZENE		619536	0.025	0.04	159044	6.646	6.2326		6.22	30	93.8		
1,1,1,2-TETRACHLOROETHANE		210316	0.025	0.04	159044	2.174	2.115802		2.68	40	97.3		
ETHYLBENZENE		343098	0.025	0.04	159044	3.67	3.451603		5.95	30	94.1		
M&P-XYLENE		840804	0.05	0.04	159044	4.44	4.22929		4.75	40	95.3		
O-XYLENE		407279	0.025	0.04	159044	4.495	4.097271		8.85	40	91.1		
XYLENES, TOTAL		1248083	0.075	0.04	415068	0	1.603699		0	40	93.9		
STYRENE		661370	0.025	0.04	159044	6.869	6.653454		3.14	40	96.9		
Bromoform		137210	0.025	0.04	159044	1.376	1.380347		0.316	30	100		
Isopropylbenzene		1054250	0.025	0.04	159044	11.13	10.60587		4.71	40	95.3		
Bromobenzene		474160	0.025	0.04	159044	4.962	4.770101		3.87	40	96.1		
1,1,2,2-TETRACHLOROETHANE		270523	0.025	0.04	159044	2.689	2.721491		1.21	30	101		
1,2,3-TRICHLOROPROPANE		73549	0.025	0.04	159044	0.751	0.739911		1.48	40	98.5		
TRANS-1,4-DICHLORO-2-BUTENE		76263	0.025	0.04	159044	0.747	0.7672141		2.71	40	103	65	123
n-Propylbenzene		1228945	0.025	0.04	159044	13.13	12.36332		5.84	40	94.2		
4-ETHYLTOLUENE		986232	0.025	0.04	159044	10.5	9.921601		5.51	40	94.5		
2-Chlorotoluene		245065	0.025	0.04	159044	2.674	2.465381		7.8	40	92.2		
4-Chlorotoluene		741925	0.025	0.04	159044	7.783	7.463846		4.1	40	95.9		
1,3,5-Trimethylbenzene		866465	0.025	0.04	159044	9.16	8.716732		4.84	40	95.2		
tert-Butylbenzene		728119	0.025	0.04	159044	7.761	7.324956		5.62	40	94.4		
1,2,4-Trimethylbenzene		852665	0.025	0.04	159044	9.049999	8.577903		5.22	40	94.8		
sec-Butylbenzene		1136062	0.025	0.04	159044	12.11	11.42891		5.62	40	94.4		
1,3-DICHLOROBENZENE		444177	0.025	0.04	159044	4.707	4.468469		5.07	40	94.9		
p-Isopropyltoluene		913878	0.025	0.04	159044	9.73	9.193712		5.51	40	94.5		
DICYCLOPENTADIENE		1047407	0.025	0.04	159044	11.32	10.53703		6.92	40	93.1		
1,4-DICHLOROBENZENE		452429	0.025	0.04	415068	1.904	1.744019		8.4	40	91.6		
1,2,3-TRIMETHYLBENZENE		897085	0.025	0.04	415068	3.852	3.458074		10.2	40	89.8		
1,2-DICHLOROBENZENE		424300	0.025	0.04	415068	1.711	1.635587		4.41	40	95.6		
n-Butylbenzene		840594	0.025	0.04	415068	3.529	3.240313		8.18	40	91.8		

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 6200
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : SM 20th

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
1,2-Dibromo-3-chloropropane		53687	0.025	0.04	415068	0.196	0.2069521		5.59	40	106	65	128
1,2,4-Trichlorobenzene		276205	0.025	0.04	415068	1.15	1.064712		7.42	40	92.6		
HEXACHLORO-1,3-BUTADIENE		151594	0.025	0.04	415068	0.626	0.584363		6.65	40	93.3		
Naphthalene		708958	0.025	0.04	415068	2.763	2.732884		1.09	40	98.9	68	128
1,2,3-Trichlorobenzene		262932	0.025	0.04	415068	1.065	1.013548		4.83	40	95.2		
1-Methylnaphthalene		398076	0.025	0.04	415068	1.465	1.534499		4.74	40	105	57	149
2-Methylnaphthalene		330684	0.025	0.04	415068	1.188	1.274717		7.3	40	107	60	146
ETHANOL		0	0	0.04	501601	0.007	0		0	40			
Bromoethane		2014	0	0.04	501601	0.605	0		0	40			
2-PROPANOL		585	0	0.04	501601	0.044	0		0	40			
Methyl Acetate		16582	0	0.04	501601	0.54	0		0	40			
ACETONITRILE		908	0	0.04	501601	0.078	0		0	40			
ALLYL CHLORIDE		0	0	0.04	501601	0.406	0		0	40			
tert-BUTYL ALCOHOL		828	0	0.04	501601	0.086	0		0	40			
chloroprene		411321	0	0.04	501601	1.214	0		0	40			
ETHYL TERT-BUTYL ETHER		778	0	0.04	501601	2.372	0		0	40			
PROPIONITRILE		3808	0	0.04	501601	0.098	0		0	40			
Ethyl Acetate		845	0	0.04	501601	0.606	0		0	40			
METHACRYLONITRILE		1556	0	0.04	501601	0.287	0		0	40			
Cyclohexane		16575	0	0.04	501601	1.025	0		0	40			
tert-butyl formate		1065	0	0.04	501601	0.678	0		0	40			
ISOBUTANOL		0	0	0.04	501601	0.046	0		0	40			
t-Amyl Alcohol		2052	0	0.04	501601	0.068	0		0	40			
TERT-AMYL METHYL ETHER		16474	0	0.04	501601	2.084	0		0	40			
N-BUTANOL		791	0	0.04	894990	0.014	0		0	40			
Methyl Cyclohexane		14833	0	0.04	894990	0.793	0		0	40			
2-nitropropane		1008	0	0.04	894990	0.128	0		0	40			
METHYL METHACRYLATE		147547	0	0.04	894990	0.358	0		0	40			
1,4-DIOXANE		2744	0	0.04	894990	0	0		0	40			
n-octane		5280	0	0.04	894990	0.34	0		0	40			
3,3-DIMETHYL-1-BUTANOL		159014	0	0.04	894990	0.042	0		0	40			
ETHYL METHACRYLATE		8067	0	0.04	159044	2.895	0		0	40			
CIS-1,4-DICHLORO-2-BUTENE		3503	0	0.04	159044	0.784	0		0	40			
Cyclohexanone		985	0	0.04	159044	0.493	0		0	40			
PENTACHLOROETHANE		29142	0	0.04	159044	1.323	0		0	40			
Hexachloroethane		1957	0	0.04	159044	1.827	0		0	40			

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	501601	333000	618000	3.91		
8260-1,4-DIFLUOROBENZENE	894990	544000	1010000	4.24		

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 2209	ICal Method	: 6200
Lab File ID	: 0711_19	Quant Method	: V823G11N	ICal Protocol	: SM 20th

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	159044	95800	178000	5.39		
8260-1,4-DICHLOROBENZENE-D4	415068	246000	457000	7.8		
AP9-PENTAFLUOROBENZENE	501601	331000	615000	3.91		
AP9-1,4-DIFLUOROBENZENE	894990	573000	1060000	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	159044	100000	186000	5.39		
AP9-1,4-DICHLOROBENZENE-D4	415068	257000	477000	7.8		

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_19
Analysis Date : 07/11/14 2209
Quant Method : V823G11N
ICal Method : 8260C
ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
PROPENE		68852	0.025	0.04	501601	0.227	0.2196232		3.25	40	96.8	20	180
DICHLORODIFLUOROMETHANE		206126	0.025	0.04	501601	0.65	0.6574979		1.15	40	101	55	135
CHLOROMETHANE		327141	0.025	0.04	501601	1.115	1.04351		6.41	30	93.6	70	130
VINYL CHLORIDE		351978	0.025	0.04	501601	1.179	1.122735		4.77	30	95.2	70	130
1,3-BUTADIENE		263845	0.025	0.04	501601	0.96	0.8416091		12.3	40	87.6	45	147
BROMOMETHANE		196449	0.025	0.04	501601	0.614	0.6266303		2.06	40	102	50	162
CHLOROETHANE		63598	0.025	0.04	501601	0.207	0.202864		2	40	98.2	62	135
TRICHLOROFLUOROMETHANE		298449	0.025	0.04	501601	1.021	0.9519885		6.76	40	93.3	70	130
DICHLOROFLUOROMETHANE		437886	0.025	0.04	501601	1.462	1.396763		4.46	40	95.5	70	130
ETHYL ETHER		226507	0.025	0.04	501601	0.733	0.7225089		1.43	40	98.5	70	130
ACROLEIN		188761	0.125	0.04	501601	0.129	0.1204214		6.65	40	93.3	10	190
1,1-DICHLOROETHENE		420194	0.025	0.04	501601	1.449	1.340329		7.5	30	92.5	70	130
1,1,2-TRICHLOROTRIFLUOROETHANE		229868	0.025	0.04	501601	0.805	0.7332298		8.92	40	91.1	70	130
ACETONE		304329	0.125	0.04	501601	0.197	0.1941489		1.45	40	98.3	36	163
IODOMETHANE		2092610	0.125	0.04	501601	1.381	1.334996		3.33	40	96.7	61	130
CARBON DISULFIDE		930788	0.025	0.04	501601	3.346	2.969015		11.3	40	88.7	65	140
METHYLENE CHLORIDE		260490	0.025	0.04	501601	0.934	0.8309074		11	40	89	70	130
ACRYLONITRILE		411321	0.125	0.04	501601	0.25	0.2624052		4.96	40	105	70	130
n-Hexane		237348	0.025	0.04	501601	0.852	0.7570894		11.1	40	88.9	70	130
TRANS-1,2-DICHLOROETHENE		240709	0.025	0.04	501601	0.821	0.7678102		6.48	40	93.5	70	130
METHYL TERT-BUTYL ETHER		669717	0.025	0.04	501601	2.184	2.136254		2.19	40	97.8	70	130
1,1-DICHLOROETHANE		461092	0.025	0.04	501601	1.568	1.470785		6.2	30	93.8	70	130
VINYL ACETATE		2325511	0.125	0.04	501601	1.622	1.483577		8.53	40	91.5	65	138
DI-ISOPROPYL ETHER		875062	0.025	0.04	501601	2.857	2.791261		2.3	40	97.7	70	130
2,2-Dichloropropane		243888	0.025	0.04	501601	0.868	0.7779506		10.4	40	89.6	70	130
CIS-1,2-DICHLOROETHENE		252235	0.025	0.04	501601	0.832	0.8045757		3.3	40	96.7	70	130
2-BUTANONE (MEK)		499742	0.125	0.04	501601	0.32	0.318814		0.371	40	99.6	55	149
BROMOCHLOROMETHANE		148944	0.025	0.04	501601	0.507	0.4750995		6.29	40	93.6	70	130
TETRAHYDROFURAN		74433	0.025	0.04	501601	0.246	0.2374254		3.49	40	96.6	70	130
CHLOROFORM		422159	0.025	0.04	501601	1.492	1.346597		9.75	30	90.2	70	130
1,1,1-TRICHLOROETHANE		317388	0.025	0.04	501601	1.075	1.0124		5.82	40	94.2	70	130
CARBON TETRACHLORIDE		327578	0.025	0.04	501601	1.103	1.044904		5.27	40	94.7	70	130
1,1-Dichloropropene		343385	0.025	0.04	501601	1.18	1.095325		7.18	40	92.8	70	130
2,2,4-TRIMETHYLPENTANE		1063306	0.025	0.04	501601	3.719	3.391719		8.8	40	91.2	70	130
HEPTANE		471779	0.025	0.04	501601	1.582	1.504874		4.88	40	95.1	70	130
BENZENE		960305	0.025	0.04	501601	3.235	3.063168		5.31	40	94.7	70	130
1,2-DICHLOROETHANE		305935	0.025	0.04	501601	0.994	0.9758672		1.82	40	98.2	70	130
TRICHLOROETHENE		228001	0.025	0.04	894990	0.432	0.4076041		5.65	40	94.3	70	130
1,2-DICHLOROPROPANE		182894	0.025	0.04	894990	0.344	0.326965		4.95	30	94.9	70	130
DIBROMOMETHANE		136384	0.025	0.04	894990	0.251	0.2438177		2.86	40	97	70	130

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 8260C
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		315316	0.025	0.04	894990	0.591	0.5636997		4.62	40	95.3	70	130
2-CHLOROETHYL VINYL ETHER		488044	0.125	0.04	894990	0.188	0.1744981		7.18	40	92.7	44	150
CIS-1,3-DICHLOROPROPENE		403996	0.025	0.04	894990	0.756	0.7222355		4.47	40	95.6	70	130
4-METHYL-2-PENTANONE (MIBK)		482164	0.125	0.04	894990	0.168	0.1723958		2.62	40	103	71	133
TOLUENE		967101	0.025	0.04	894990	1.891	1.728915		8.57	30	91.4	70	130
TRANS-1,3-DICHLOROPROPENE		83381	0.025	0.04	894990	0.153	0.1490627		2.57	40	97.5	70	130
1,1,2-TRICHLOROETHANE		188647	0.025	0.04	159044	1.927	1.897809		1.51	40	98.5	70	130
TETRACHLOROETHENE		166335	0.025	0.04	159044	1.792	1.673348		6.62	40	93.4	70	130
1,3-Dichloropropane		357592	0.025	0.04	159044	3.862	3.597414		6.85	40	93.2	70	130
2-HEXANONE		451813	0.125	0.04	159044	0.896	0.9090576		1.46	40	102	66	144
CHLORODIBROMOMETHANE		218041	0.025	0.04	159044	2.268	2.193516		3.28	40	96.7	70	130
1,2-DIBROMOETHANE		195571	0.025	0.04	159044	2.06	1.967466		4.49	40	95.5	70	130
CHLOROBENZENE		619536	0.025	0.04	159044	6.646	6.2326		6.22	30	93.8	70	130
1,1,1,2-TETRACHLOROETHANE		210316	0.025	0.04	159044	2.174	2.115802		2.68	40	97.3	70	130
ETHYLBENZENE		343098	0.025	0.04	159044	3.67	3.451603		5.95	30	94.1	70	130
M&P-XYLENE		840804	0.05	0.04	159044	4.44	4.22929		4.75	40	95.3	70	130
O-XYLENE		407279	0.025	0.04	159044	4.495	4.097271		8.85	40	91.1	70	130
XYLENES, TOTAL		1248083	0.075	0.04	415068	0	1.603699		0	40	93.9	70	130
STYRENE		661370	0.025	0.04	159044	6.869	6.653454		3.14	40	96.9	70	130
Bromoform		137210	0.025	0.04	159044	1.376	1.380347		0.316	30	100	70	130
Isopropylbenzene		1054250	0.025	0.04	159044	11.13	10.60587		4.71	40	95.3	70	130
Bromobenzene		474160	0.025	0.04	159044	4.962	4.770101		3.87	40	96.1	70	130
1,1,2,2-TETRACHLOROETHANE		270523	0.025	0.04	159044	2.689	2.721491		1.21	30	101	70	130
1,2,3-TRICHLOROPROPANE		73549	0.025	0.04	159044	0.751	0.739911		1.48	40	98.5	70	130
TRANS-1,4-DICHLORO-2-BUTENE		76263	0.025	0.04	159044	0.747	0.7672141		2.71	40	103	65	123
n-Propylbenzene		1228945	0.025	0.04	159044	13.13	12.36332		5.84	40	94.2	70	130
4-ETHYLTOLUENE		986232	0.025	0.04	159044	10.5	9.921601		5.51	40	94.5	70	130
2-Chlorotoluene		245065	0.025	0.04	159044	2.674	2.465381		7.8	40	92.2	70	130
4-Chlorotoluene		741925	0.025	0.04	159044	7.783	7.463846		4.1	40	95.9	70	130
1,3,5-Trimethylbenzene		866465	0.025	0.04	159044	9.16	8.716732		4.84	40	95.2	70	130
tert-Butylbenzene		728119	0.025	0.04	159044	7.761	7.324956		5.62	40	94.4	70	130
1,2,4-Trimethylbenzene		852665	0.025	0.04	159044	9.049999	8.577903		5.22	40	94.8	70	130
sec-Butylbenzene		1136062	0.025	0.04	159044	12.11	11.42891		5.62	40	94.4	70	130
1,3-DICHLOROBENZENE		444177	0.025	0.04	159044	4.707	4.468469		5.07	40	94.9	70	130
p-Isopropyltoluene		913878	0.025	0.04	159044	9.73	9.193712		5.51	40	94.5	70	130
DICYCLOPENTADIENE		1047407	0.025	0.04	159044	11.32	10.53703		6.92	40	93.1	70	130
1,4-DICHLOROBENZENE		452429	0.025	0.04	415068	1.904	1.744019		8.4	40	91.6	70	130
1,2,3-TRIMETHYLBENZENE		897085	0.025	0.04	415068	3.852	3.458074		10.2	40	89.8	70	130
1,2-DICHLOROBENZENE		424300	0.025	0.04	415068	1.711	1.635587		4.41	40	95.6	70	130
n-Butylbenzene		840594	0.025	0.04	415068	3.529	3.240313		8.18	40	91.8	70	130

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/11/14 2209 | ICal Method : 8260C
Lab File ID : 0711_19 | Quant Method : V823G11N | ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
1,2-Dibromo-3-chloropropane		53687	0.025	0.04	415068	0.196	0.2069521		5.59	40	106	65	128
1,2,4-Trichlorobenzene		276205	0.025	0.04	415068	1.15	1.064712		7.42	40	92.6	70	130
HEXACHLORO-1,3-BUTADIENE		151594	0.025	0.04	415068	0.626	0.584363		6.65	40	93.3	70	130
Naphthalene		708958	0.025	0.04	415068	2.763	2.732884		1.09	40	98.9	68	128
1,2,3-Trichlorobenzene		262932	0.025	0.04	415068	1.065	1.013548		4.83	40	95.2	70	130
1-Methylnaphthalene		398076	0.025	0.04	415068	1.465	1.534499		4.74	40	105	57	149
2-Methylnaphthalene		330684	0.025	0.04	415068	1.188	1.274717		7.3	40	107	60	146
ETHANOL		0	0	0.04	501601	0.007	0		0	40			
Bromoethane		2014	0	0.04	501601	0.605	0		0	40			
2-PROPANOL		585	0	0.04	501601	0.044	0		0	40			
Methyl Acetate		16582	0	0.04	501601	0.54	0		0	40			
ACETONITRILE		908	0	0.04	501601	0.078	0		0	40			
ALLYL CHLORIDE		0	0	0.04	501601	0.406	0		0	40			
tert-BUTYL ALCOHOL		828	0	0.04	501601	0.086	0		0	40			
chloroprene		411321	0	0.04	501601	1.214	0		0	40			
ETHYL TERT-BUTYL ETHER		778	0	0.04	501601	2.372	0		0	40			
PROPIONITRILE		3808	0	0.04	501601	0.098	0		0	40			
Ethyl Acetate		845	0	0.04	501601	0.606	0		0	40			
METHACRYLONITRILE		1556	0	0.04	501601	0.287	0		0	40			
Cyclohexane		16575	0	0.04	501601	1.025	0		0	40			
tert-butyl formate		1065	0	0.04	501601	0.678	0		0	40			
ISOBUTANOL		0	0	0.04	501601	0.046	0		0	40			
t-Amyl Alcohol		2052	0	0.04	501601	0.068	0		0	40			
TERT-AMYL METHYL ETHER		16474	0	0.04	501601	2.084	0		0	40			
N-BUTANOL		791	0	0.04	894990	0.014	0		0	40			
Methyl Cyclohexane		14833	0	0.04	894990	0.793	0		0	40			
2-nitropropane		1008	0	0.04	894990	0.128	0		0	40			
METHYL METHACRYLATE		147547	0	0.04	894990	0.358	0		0	40			
1,4-DIOXANE		2744	0	0.04	894990	0	0		0	40			
n-octane		5280	0	0.04	894990	0.34	0		0	40			
3,3-DIMETHYL-1-BUTANOL		159014	0	0.04	894990	0.042	0		0	40			
ETHYL METHACRYLATE		8067	0	0.04	159044	2.895	0		0	40			
CIS-1,4-DICHLORO-2-BUTENE		3503	0	0.04	159044	0.784	0		0	40			
Cyclohexanone		985	0	0.04	159044	0.493	0		0	40			
PENTACHLOROETHANE		29142	0	0.04	159044	1.323	0		0	40			
Hexachloroethane		1957	0	0.04	159044	1.827	0		0	40			

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	501601	227000	908000	3.91		
8260-1,4-DIFLUOROBENZENE	894990	406000	1620000	4.24		

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/11/14 2209	ICal Method	: 8260C
Lab File ID	: 0711_19	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	159044	72300	289000	5.39		
8260-1,4-DICHLOROBENZENE-D4	415068	188000	751000	7.8		
AP9-PENTAFLUOROBENZENE	501601	0	0	3.91		
AP9-1,4-DIFLUOROBENZENE	894990	0	0	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	159044	0	0	5.39		
AP9-1,4-DICHLOROBENZENE-D4	415068	0	0	7.8		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 19.D
Acq On : 11 Jul 2014 10:09 pm
Operator : 644
Sample : SSCV VMS 25 PPB 14G10916
Misc : water IS/SURR14F17495
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:00:50 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:00:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.911	168	501601	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	894990	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	159044	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	415068	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.911	168	501601	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	894990	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	159044	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	415068	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	279564	39.1679660 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 97.92%		
46) a,a,a-Trifluorotoluene	4.605	146	497527	40.6328315 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.58%		
50) TOLUENE-D8	5.065	98	1144183	39.9266178 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 99.82%		
68) 4-BROMOFLUOROBENZENE	6.952	95	424012	40.3113343 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 100.78%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	8930333	No Calib	
3) PROPENE	1.406	41	68852	24.2050574 ppb	97
4) DICHLORODIFLUOROMETHANE	1.460	85	206126	25.3011606 ppb	99
5) CHLOROMETHANE	1.583	50	327141	23.4063173 ppb	100
6) VINYL CHLORIDE	1.647	62	351978	23.7989248 ppb	100
7) 1,3-BUTADIENE	1.660	39	263845	21.9071301 ppb	98
8) BROMOMETHANE	1.879	94	196449	25.4993037 ppb	98
9) CHLOROETHANE	1.965	66	63598	24.5495891 ppb	99
10) TRICHLOROFLUOROMETHANE	2.055	101	298449	23.3184768 ppb	100
11) DICHLOROFLUOROMETHANE	2.084	67	437886	23.8782950 ppb	100
12) ETHYL ETHER	2.223	59	226507	24.6336154 ppb	100
13) ACROLEIN	2.544	56	188761	116.5688661 ppb	100
14) 1,1-DICHLOROETHENE	2.354	61	420194	23.1315653 ppb	100
15) 1,1,2-TRICHLOROTRIFLUO...	2.390	101	229868	22.7691185 ppb	99
16) ACETONE	2.708	43	304329	122.9301155 ppb	99
17) IODOMETHANE	2.444	142	2092610	120.8788185 ppb	100
18) CARBON DISULFIDE	2.383	76	930788	22.1803584 ppb #	96
19) METHYLENE CHLORIDE	2.689	84	260490	22.2397890 ppb	100
20) ACRYLONITRILE	3.149	53	411321	131.0778774 ppb	98
21) n-Hexane	2.821	56	237348	22.2206204 ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.782	96	240709	23.3711002 ppb	100
23) METHYL TERT-BUTYL ETHER	2.833	73	669717	24.4503742 ppb	96
24) 1,1-DICHLOROETHANE	3.126	63	461092	23.4489551 ppb	100
25) VINYL ACETATE	3.242	43	2325511	114.3428046 ppb	100
26) DI-ISOPROPYL ETHER	3.033	45	875062	24.4246944 ppb	100
27) 2,2-Dichloropropane	3.486	77	243888	22.4068372 ppb	99
28) CIS-1,2-DICHLOROETHENE	3.425	96	252235	24.1671949 ppb	99
29) 2-BUTANONE (MEK)	3.727	43	499742	124.5429282 ppb	99
30) BROMOCHLOROMETHANE	3.538	130	148944	23.4091353 ppb	99
31) TETRAHYDROFURAN	3.663	42	74433	24.1460702 ppb	98
32) CHLOROFORM	3.567	83	422159	22.5604817 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.695	97	317388	23.5400736 ppb	100
35) CARBON TETRACHLORIDE	3.663	117	327578	23.6762851 ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 19.D
Acq On : 11 Jul 2014 10:09 pm
Operator : 644
Sample : SSCV VMS 25 PPB 14G10916
Misc : water IS/SURR14F17495
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:00:50 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:00:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	343385	23.1986543 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	1063306	22.7976950 ppb		98
38) HEPTANE	3.856	43	471779	23.7801708 ppb	#	99
39) BENZENE	3.901	78	960305	23.6751689 ppb		100
40) 1,2-DICHLOROETHANE	4.013	62	305935	24.5491033 ppb		99
42) TRICHLOROETHENE	4.232	130	228001	23.5645873 ppb		98
43) 1,2-DICHLOROPROPANE	4.538	62	182894	23.7322970 ppb		98
44) DIBROMOMETHANE	4.483	93	136384	24.2473006 ppb		98
45) BROMODICHLOROMETHANE	4.566	83	315316	23.8321369 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	488044	115.8672981 ppb		100
48) CIS-1,3-DICHLOROPROPENE	4.946	75	403996	23.8931715 ppb		100
49) 4-METHYL-2-PENTANONE (...	5.316	58	482164	128.4065753 ppb		100
51) TOLUENE	5.097	91	967101	22.8587304 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.351	110	83381	24.3676833 ppb		97
54) 1,1,2-TRICHLOROETHANE	5.460	97	188647	24.6258213 ppb		100
55) TETRACHLOROETHENE	5.354	164	166335	23.3452039 ppb		99
56) 1,3-Dichloropropane	5.644	76	357592	23.2892036 ppb		99
57) 2-HEXANONE	5.862	58	451813	126.8894301 ppb		99
58) CHLORODIBROMOMETHANE	5.586	129	218041	24.1835694 ppb		97
59) 1,2-DIBROMOETHANE	5.756	107	195571	23.8736784 ppb		99
60) CHLOROBENZENE	6.103	112	619536	23.4450358 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.139	133	210316	24.3323144 ppb		99
62) ETHYLBENZENE	6.107	106	343098	23.5134931 ppb		100
63) M&P-XYLENE	6.206	106	840804	47.6309656 ppb		99
64) O-XYLENE	6.512	106	407279	22.7855765 ppb		99
65) STYRENE	6.550	104	661370	24.2171153 ppb		100
66) Bromoform	6.582	173	137210	25.0810220 ppb		99
67) Isopropylbenzene	6.734	105	1054250	23.8219203 ppb		100
69) Bromobenzene	7.039	77	474160	24.0309405 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.090	83	270523	25.2974431 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.200	110	73549	24.6355095 ppb		99
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	76263	25.6759366 ppb		98
73) n-Propylbenzene	7.039	91	1228945	23.5393183 ppb		100
74) 4-ETHYLTOLUENE	7.119	105	986232	23.6284261 ppb		100
75) 2-Chlorotoluene	7.171	126	245065	23.0525702 ppb		100
76) 4-Chlorotoluene	7.293	91	741925	23.9754974 ppb		100
77) 1,3,5-Trimethylbenzene	7.181	105	866465	23.7899872 ppb		100
78) tert-Butylbenzene	7.428	119	728119	23.5939965 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	852665	23.6917256 ppb		99
80) sec-Butylbenzene	7.566	105	1136062	23.6008092 ppb		100
81) 1,3-DICHLOROBENZENE	7.750	146	444177	23.7305901 ppb		100
82) p-Isopropyltoluene	7.672	119	913878	23.6182172 ppb		100
83) DICYCLOPENTADIENE	7.669	66	1047407	23.2775385 ppb		100
85) 1,4-DICHLOROBENZENE	7.817	146	452429	22.8961042 ppb		92
86) 1,2,3-TRIMETHYLBENZENE	7.824	105	897085	22.4415638 ppb		100
87) 1,2-DICHLOROBENZENE	8.152	146	424300	23.8914238 ppb		99
88) n-Butylbenzene	8.004	91	840594	22.9545420 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.795	157	53687	26.3759187 ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	276205	23.1391045 ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.322	225	151594	23.3204431 ppb		99
92) Naphthalene	9.621	128	708958	24.7317040 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	262932	23.7935156 ppb		99
94) 1-Methylnaphthalene	10.492	142	398076	26.1824878 ppb		99
95) 2-Methylnaphthalene	10.611	142	330684	26.8304515 ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 19.D
Acq On : 11 Jul 2014 10:09 pm
Operator : 644
Sample : SSCV VMS 25 PPB 14G10916
Misc : water IS/SURR14F17495
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:00:50 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:00:40 2014
Response via : Initial Calibration

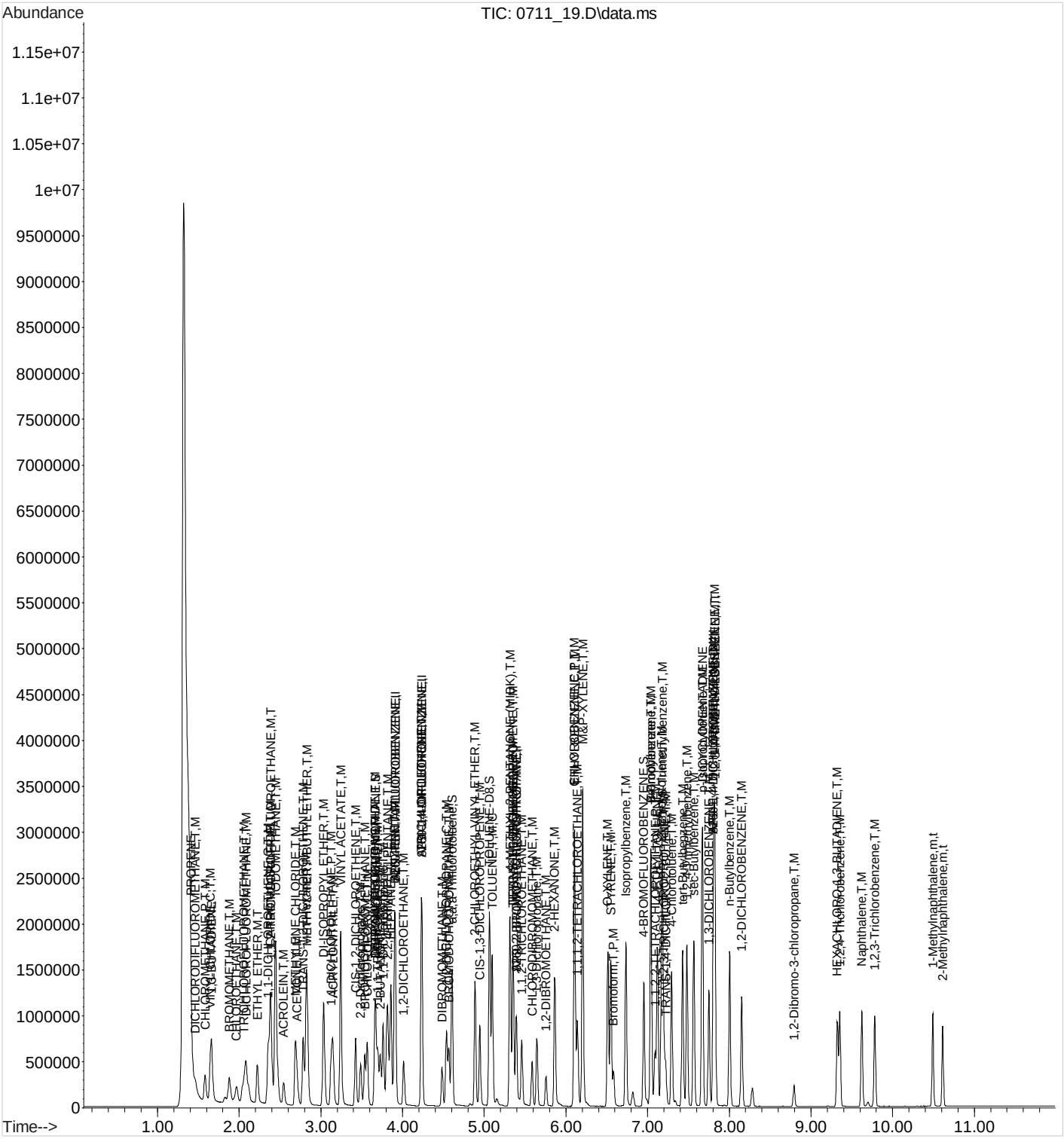
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	2.534	108	2014	No Calib	#
99)	2-PROPANOL	2.618	45	585	No Calib	#
100)	Methyl Acetate	2.776	43	16582	No Calib	#
101)	ACETONITRILE	2.946	41	908	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.872	59	828	No Calib	#
104)	chloroprene	3.149	53	411321	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	3.248	59	778	No Calib	#
106)	PROPIONITRILE	3.859	54	3808	No Calib	#
107)	Ethyl Acetate	3.621	43	845	No Calib	#
108)	METHACRYLONITRILE	3.911	67	1556	No Calib	#
109)	Cyclohexane	3.567	84	16575	No Calib	#
110)	tert-butyl formate	3.811	59	1065	No Calib	#
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	4.013	59	2052	No Calib	#
113)	TERT-AMYL METHYL ETHER	3.904	73	16474	No Calib	#
115)	N-BUTANOL	4.383	56	791	No Calib	#
116)	Methyl Cyclohexane	4.232	83	14833	No Calib	#
117)	2-nitropropane	5.242	43	1008	No Calib	#
118)	METHYL METHACRYLATE	4.538	41	147547	No Calib	#
119)	1,4-DIOXANE	4.679	88	2744	No Calib	#
120)	n-octane	4.946	85	5280	No Calib	#
121)	3,3-DIMETHYL-1-BUTANOL	5.862	57	159014	No Calib	#
123)	ETHYL METHACRYLATE	5.316	69	8067	No Calib	#
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	3503	No Calib	#
125)	Cyclohexanone	7.216	55	985	No Calib	#
126)	PENTACHLOROETHANE	7.483	117	29142	No Calib	#
127)	Hexachloroethane	8.132	117	1957	No Calib	#

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 19.D
Acq On : 11 Jul 2014 10:09 pm
Operator : 644
Sample : SSCV VMS 25 PPB 14G10916
Misc : water IS/SURR14F17495
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:00:50 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:00:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 19.D
Acq On : 11 Jul 2014 10:09 pm
Operator : 644
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QLast Update : Sat Jul 12 17:00:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.911	168	501601	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	894990	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	159044	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	415068	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.911	168	501601	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	894990	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	159044	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	415068	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	279564	39.1679660 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 97.92%		
46) a,a,a-Trifluorotoluene	4.605	146	497527	40.6328315 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.58%		
50) TOLUENE-D8	5.065	98	1144183	39.9266178 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 99.82%		
68) 4-BROMOFLUOROBENZENE	6.952	95	424012	40.3113343 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 100.78%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	8930333	No Calib	
3) PROPENE	1.406	41	68852	24.2050574 ppb	97
4) DICHLORODIFLUOROMETHANE	1.460	85	206126	25.3011606 ppb	99
5) CHLOROMETHANE	1.583	50	327141	23.4063173 ppb	100
6) VINYL CHLORIDE	1.647	62	351978	23.7989248 ppb	100
7) 1,3-BUTADIENE	1.660	39	263845	21.9071301 ppb	98
8) BROMOMETHANE	1.879	94	196449	25.4993037 ppb	98
9) CHLOROETHANE	1.965	66	63598	24.5495891 ppb	99
10) TRICHLOROFLUOROMETHANE	2.055	101	298449	23.3184768 ppb	100
11) DICHLOROFLUOROMETHANE	2.084	67	437886	23.8782950 ppb	100
12) ETHYL ETHER	2.223	59	226507	24.6336154 ppb	100
13) ACROLEIN	2.544	56	188761	116.5688661 ppb	100
14) 1,1-DICHLOROETHENE	2.354	61	420194	23.1315653 ppb	100
15) 1,1,2-TRICHLOROTRIFLUO...	2.390	101	229868	22.7691185 ppb	99
16) ACETONE	2.708	43	304329	122.9301155 ppb	99
17) IODOMETHANE	2.444	142	2092610	120.8788185 ppb	100
18) CARBON DISULFIDE	2.383	76	930788	22.1803584 ppb #	96
19) METHYLENE CHLORIDE	2.689	84	260490	22.2397890 ppb	100
20) ACRYLONITRILE	3.149	53	411321	131.0778774 ppb	98
21) n-Hexane	2.821	56	237348	22.2206204 ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.782	96	240709	23.3711002 ppb	100
23) METHYL TERT-BUTYL ETHER	2.833	73	669717	24.4503742 ppb	96
24) 1,1-DICHLOROETHANE	3.126	63	461092	23.4489551 ppb	100
25) VINYL ACETATE	3.242	43	2325511	114.3428046 ppb	100
26) DI-ISOPROPYL ETHER	3.033	45	875062	24.4246944 ppb	100
27) 2,2-Dichloropropane	3.486	77	243888	22.4068372 ppb	99
28) CIS-1,2-DICHLOROETHENE	3.425	96	252235	24.1671949 ppb	99
29) 2-BUTANONE (MEK)	3.727	43	499742	124.5429282 ppb	99
30) BROMOCHLOROMETHANE	3.538	130	148944	23.4091353 ppb	99
31) TETRAHYDROFURAN	3.663	42	74433	24.1460702 ppb	98
32) CHLOROFORM	3.567	83	422159	22.5604817 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.695	97	317388	23.5400736 ppb	100
35) CARBON TETRACHLORIDE	3.663	117	327578	23.6762851 ppb	99

Quantitation Report (QT Reviewed)

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Data File : 0711 19.D
Acq On : 11 Jul 2014 10:09 pm
Operator : 644
Sample : SSCV VMS 25 PPB 14G10916
Misc : water IS/SURR14F17495
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:00:50 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:00:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	343385	23.1986543 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	1063306	22.7976950 ppb		98
38) HEPTANE	3.856	43	471779	23.7801708 ppb	#	99
39) BENZENE	3.901	78	960305	23.6751689 ppb		100
40) 1,2-DICHLOROETHANE	4.013	62	305935	24.5491033 ppb		99
42) TRICHLOROETHENE	4.232	130	228001	23.5645873 ppb		98
43) 1,2-DICHLOROPROPANE	4.538	62	182894	23.7322970 ppb		98
44) DIBROMOMETHANE	4.483	93	136384	24.2473006 ppb		98
45) BROMODICHLOROMETHANE	4.566	83	315316	23.8321369 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	488044	115.8672981 ppb		100
48) CIS-1,3-DICHLOROPROPENE	4.946	75	403996	23.8931715 ppb		100
49) 4-METHYL-2-PENTANONE (...	5.316	58	482164	128.4065753 ppb		100
51) TOLUENE	5.097	91	967101	22.8587304 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.351	110	83381	24.3676833 ppb		97
54) 1,1,2-TRICHLOROETHANE	5.460	97	188647	24.6258213 ppb		100
55) TETRACHLOROETHENE	5.354	164	166335	23.3452039 ppb		99
56) 1,3-Dichloropropane	5.644	76	357592	23.2892036 ppb		99
57) 2-HEXANONE	5.862	58	451813	126.8894301 ppb		99
58) CHLORODIBROMOMETHANE	5.586	129	218041	24.1835694 ppb		97
59) 1,2-DIBROMOETHANE	5.756	107	195571	23.8736784 ppb		99
60) CHLOROBENZENE	6.103	112	619536	23.4450358 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.139	133	210316	24.3323144 ppb		99
62) ETHYLBENZENE	6.107	106	343098	23.5134931 ppb		100
63) M&P-XYLENE	6.206	106	840804	47.6309656 ppb		99
64) O-XYLENE	6.512	106	407279	22.7855765 ppb		99
65) STYRENE	6.550	104	661370	24.2171153 ppb		100
66) Bromoform	6.582	173	137210	25.0810220 ppb		99
67) Isopropylbenzene	6.734	105	1054250	23.8219203 ppb		100
69) Bromobenzene	7.039	77	474160	24.0309405 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.090	83	270523	25.2974431 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.200	110	73549	24.6355095 ppb		99
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	76263	25.6759366 ppb		98
73) n-Propylbenzene	7.039	91	1228945	23.5393183 ppb		100
74) 4-ETHYLTOLUENE	7.119	105	986232	23.6284261 ppb		100
75) 2-Chlorotoluene	7.171	126	245065	23.0525702 ppb		100
76) 4-Chlorotoluene	7.293	91	741925	23.9754974 ppb		100
77) 1,3,5-Trimethylbenzene	7.181	105	866465	23.7899872 ppb		100
78) tert-Butylbenzene	7.428	119	728119	23.5939965 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	852665	23.6917256 ppb		99
80) sec-Butylbenzene	7.566	105	1136062	23.6008092 ppb		100
81) 1,3-DICHLOROBENZENE	7.750	146	444177	23.7305901 ppb		100
82) p-Isopropyltoluene	7.672	119	913878	23.6182172 ppb		100
83) DICYCLOPENTADIENE	7.669	66	1047407	23.2775385 ppb		100
85) 1,4-DICHLOROBENZENE	7.817	146	452429	22.8961042 ppb		92
86) 1,2,3-TRIMETHYLBENZENE	7.824	105	897085	22.4415638 ppb		100
87) 1,2-DICHLOROBENZENE	8.152	146	424300	23.8914238 ppb		99
88) n-Butylbenzene	8.004	91	840594	22.9545420 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.795	157	53687	26.3759187 ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	276205	23.1391045 ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.322	225	151594	23.3204431 ppb		99
92) Naphthalene	9.621	128	708958	24.7317040 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	262932	23.7935156 ppb		99
94) 1-Methylnaphthalene	10.492	142	398076	26.1824878 ppb		99
95) 2-Methylnaphthalene	10.611	142	330684	26.8304515 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 19.D
Acq On : 11 Jul 2014 10:09 pm
Operator : 644
Sample : SSCV VMS 25 PPB 14G10916
Misc : water IS/SURR14F17495
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:00:50 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:00:40 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	2.534	108	2014	No Calib	#
99)	2-PROPANOL	2.618	45	585	No Calib	#
100)	Methyl Acetate	2.776	43	16582	No Calib	#
101)	ACETONITRILE	2.946	41	908	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.872	59	828	No Calib	#
104)	chloroprene	3.149	53	411321	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	3.248	59	778	No Calib	#
106)	PROPIONITRILE	3.859	54	3808	No Calib	#
107)	Ethyl Acetate	3.621	43	845	No Calib	#
108)	METHACRYLONITRILE	3.911	67	1556	No Calib	#
109)	Cyclohexane	3.567	84	16575	No Calib	#
110)	tert-butyl formate	3.811	59	1065	No Calib	#
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	4.013	59	2052	No Calib	#
113)	TERT-AMYL METHYL ETHER	3.904	73	16474	No Calib	#
115)	N-BUTANOL	4.383	56	791	No Calib	#
116)	Methyl Cyclohexane	4.232	83	14833	No Calib	#
117)	2-nitropropane	5.242	43	1008	No Calib	#
118)	METHYL METHACRYLATE	4.538	41	147547	No Calib	#
119)	1,4-DIOXANE	4.679	88	2744	No Calib	#
120)	n-octane	4.946	85	5280	No Calib	#
121)	3,3-DIMETHYL-1-BUTANOL	5.862	57	159014	No Calib	#
123)	ETHYL METHACRYLATE	5.316	69	8067	No Calib	#
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	3503	No Calib	#
125)	Cyclohexanone	7.216	55	985	No Calib	#
126)	PENTACHLOROETHANE	7.483	117	29142	No Calib	#
127)	Hexachloroethane	8.132	117	1957	No Calib	#

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

Quantitation Report (QT Reviewed)

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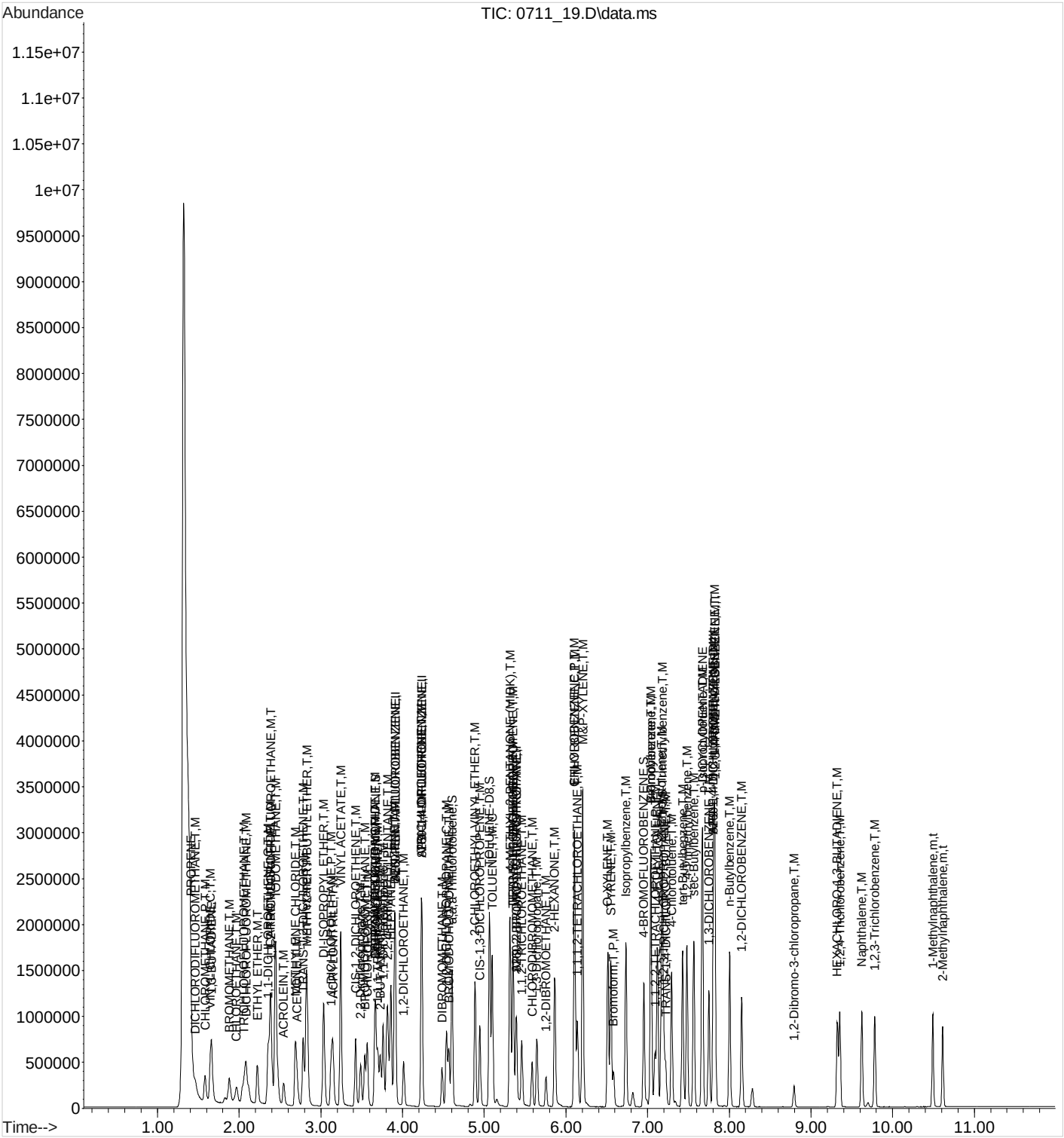

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_31
Analysis Date : 07/12/14 0209
Quant Method : V823G11N
ICal Method : 8260B
ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
PROPENE		1453	0	0.04	465290	0.227	0		0	40			
DICHLORODIFLUOROMETHANE		0	0	0.04	465290	0.65	0		0	40			
CHLOROMETHANE		4903	0	0.04	465290	1.115	0		0	30			
VINYL CHLORIDE		0	0	0.04	465290	1.179	0		0	30			
1,3-BUTADIENE		9142	0	0.04	465290	0.96	0		0	40			
BROMOMETHANE		1204	0	0.04	465290	0.614	0		0	40			
CHLOROETHANE		0	0	0.04	465290	0.207	0		0	40			
TRICHLOROFLUOROMETHANE		0	0	0.04	465290	1.021	0		0	40			
DICHLOROFLUOROMETHANE		849	0	0.04	465290	1.462	0		0	40			
ETHYL ETHER		641	0	0.04	465290	0.733	0		0	40			
ACROLEIN		1465	0	0.04	465290	0.129	0		0	40			
1,1-DICHLOROETHENE		0	0	0.04	465290	1.449	0		0	30			
1,1,2-TRICHLOROTRIFLUOROETHANE		0	0	0.04	465290	0.805	0		0	40			
ACETONE		5602	0	0.04	465290	0.197	0		0	40			
IODOMETHANE		1799	0	0.04	465290	1.381	0		0	40			
CARBON DISULFIDE		4467	0	0.04	465290	3.346	0		0	40			
METHYLENE CHLORIDE		10155	0	0.04	465290	0.934	0		0	40			
ACRYLONITRILE		708407	0	0.04	465290	0.25	0		0	40			
n-Hexane		1333	0	0.04	465290	0.852	0		0	40			
TRANS-1,2-DICHLOROETHENE		643	0	0.04	465290	0.821	0		0	40			
METHYL TERT-BUTYL ETHER		1381	0	0.04	465290	2.184	0		0	40			
1,1-DICHLOROETHANE		11043	0	0.04	465290	1.568	0		0	30			
VINYL ACETATE		30688	0	0.04	465290	1.622	0		0	40			
DI-ISOPROPYL ETHER		965	0	0.04	465290	2.857	0		0	40			
2,2-Dichloropropane		1419	0	0.04	465290	0.868	0		0	40			
CIS-1,2-DICHLOROETHENE		744	0	0.04	465290	0.832	0		0	40			
2-BUTANONE (MEK)		129714	0	0.04	465290	0.32	0		0	40			
BROMOCHLOROMETHANE		554	0	0.04	465290	0.507	0		0	40			
TETRAHYDROFURAN		1567	0	0.04	465290	0.246	0		0	40			
CHLOROFORM		20530	0	0.04	465290	1.492	0		0	30			
1,1,1-TRICHLOROETHANE		0	0	0.04	465290	1.075	0		0	40			
CARBON TETRACHLORIDE		516	0	0.04	465290	1.103	0		0	40			
1,1-Dichloropropene		0	0	0.04	465290	1.18	0		0	40			
2,2,4-TRIMETHYLPENTANE		653555	0	0.04	465290	3.719	0		0	40			
HEPTANE		129714	0	0.04	465290	1.582	0		0	40			
BENZENE		3313	0	0.04	465290	3.235	0		0	40			
1,2-DICHLOROETHANE		43731	0	0.04	465290	0.994	0		0	40			
TRICHLOROETHENE		7426	0	0.04	810460	0.432	0		0	40			
1,2-DICHLOROPROPANE		8212	0	0.04	810460	0.344	0		0	30			
DIBROMOMETHANE		0	0	0.04	810460	0.251	0		0	40			

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/12/14 0209 | ICal Method : 8260B
Lab File ID : 0711_31 | Quant Method : V823G11N | ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		582	0	0.04	810460	0.591	0		0	40			
2-CHLOROETHYL VINYL ETHER		0	0	0.04	810460	0.188	0		0	40			
CIS-1,3-DICHLOROPROPENE		560	0	0.04	810460	0.756	0		0	40			
4-METHYL-2-PENTANONE (MIBK)		1209	0	0.04	810460	0.168	0		0	40			
TOLUENE		9664	0	0.04	810460	1.891	0		0	30			
TRANS-1,3-DICHLOROPROPENE		0	0	0.04	810460	0.153	0		0	40			
1,1,2-TRICHLOROETHANE		2160	0	0.04	143490	1.927	0		0	40			
TETRACHLOROETHENE		74726	0	0.04	143490	1.792	0		0	40			
1,3-Dichloropropane		979	0	0.04	143490	3.862	0		0	40			
2-HEXANONE		2734	0	0.04	143490	0.896	0		0	40			
CHLORODIBROMOMETHANE		0	0	0.04	143490	2.268	0		0	40			
1,2-DIBROMOETHANE		0	0	0.04	143490	2.06	0		0	40			
CHLOROBENZENE		873	0	0.04	143490	6.646	0		0	30			
1,1,1,2-TETRACHLOROETHANE		4112	0	0.04	143490	2.174	0		0	40			
ETHYLBENZENE		1152	0	0.04	143490	3.67	0		0	30			
M&P-XYLENE		4117	0	0.04	143490	4.44	0		0	40			
O-XYLENE		1628	0	0.04	143490	4.495	0		0	40			
XYLENES, TOTAL		5745	0	0.04	363922	0	0		0	40			
STYRENE		1281	0	0.04	143490	6.869	0		0	40			
Bromoform		0	0	0.04	143490	1.376	0		0	30			
Isopropylbenzene		1558	0	0.04	143490	11.13	0		0	40			
Bromobenzene		49304	0	0.04	143490	4.962	0		0	40			
1,1,2,2-TETRACHLOROETHANE		615	0	0.04	143490	2.689	0		0	30			
1,2,3-TRICHLOROPROPANE		0	0	0.04	143490	0.751	0		0	40			
TRANS-1,4-DICHLORO-2-BUTENE		12480	0	0.04	143490	0.747	0		0	40			
n-Propylbenzene		2375	0	0.04	143490	13.13	0		0	40			
4-ETHYLTOLUENE		4422	0	0.04	143490	10.5	0		0	40			
2-Chlorotoluene		0	0	0.04	143490	2.674	0		0	40			
4-Chlorotoluene		1359	0	0.04	143490	7.783	0		0	40			
1,3,5-Trimethylbenzene		2295	0	0.04	143490	9.16	0		0	40			
tert-Butylbenzene		200837	0	0.04	143490	7.761	0		0	40			
1,2,4-Trimethylbenzene		4938	0	0.04	143490	9.049999	0		0	40			
sec-Butylbenzene		1714	0	0.04	143490	12.11	0		0	40			
1,3-DICHLOROBENZENE		727	0	0.04	143490	4.707	0		0	40			
p-Isopropyltoluene		1628	0	0.04	143490	9.73	0		0	40			
DICYCLOPENTADIENE		1274	0	0.04	143490	11.32	0		0	40			
1,4-DICHLOROBENZENE		1346	0	0.04	363922	1.904	0		0	40			
1,2,3-TRIMETHYLBENZENE		3283	0	0.04	363922	3.852	0		0	40			
1,2-DICHLOROBENZENE		665	0	0.04	363922	1.711	0		0	40			
n-Butylbenzene		1245	0	0.04	363922	3.529	0		0	40			

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/12/14 0209 | ICal Method : 8260B
Lab File ID : 0711_31 | Quant Method : V823G11N | ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
1,2-Dibromo-3-chloropropane		0	0	0.04	363922	0.196	0		0	40			
1,2,4-Trichlorobenzene		658	0	0.04	363922	1.15	0		0	40			
HEXACHLORO-1,3-BUTADIENE		0	0	0.04	363922	0.626	0		0	40			
Naphthalene		3024	0	0.04	363922	2.763	0		0	40			
1,2,3-Trichlorobenzene		510	0	0.04	363922	1.065	0		0	40			
1-Methylnaphthalene		2250	0	0.04	363922	1.465	0		0	40			
2-Methylnaphthalene		1772	0	0.04	363922	1.188	0		0	40			
ETHANOL		84143	1	0.04	465290	0.007	0.007233596		3.34	40	101	50	150
Bromoethane		70621	0.01	0.04	465290	0.605	0.6071138		0.349	40	100	70	130
2-PROPANOL		24668	0.05	0.04	465290	0.044	0.04241312		3.61	40	95.9	70	130
Methyl Acetate		1241682	0.2	0.04	465290	0.54	0.5337239		1.16	40	98.8	70	130
ACETONITRILE		448195	0.5	0.04	465290	0.078	0.07706076		1.2	40	99	70	130
ALLYL CHLORIDE		237448	0.05	0.04	465290	0.406	0.4082581		0.556	40	100	70	130
tert-BUTYL ALCOHOL		49535	0.05	0.04	465290	0.086	0.08516838		0.967	40	98.5	50	150
chloroprene		708407	0.05	0.04	465290	1.214	1.218005		0.33	40	100	70	130
ETHYL TERT-BUTYL ETHER		281860	0.01	0.04	465290	2.372	2.423091		2.15	40	102	50	150
PROPIONITRILE		561491	0.5	0.04	465290	0.098	0.09654039		1.49	40	99	70	130
Ethyl Acetate		700394	0.1	0.04	465290	0.606	0.6021139		0.641	40	99.3	70	130
METHACRYLONITRILE		1665123	0.5	0.04	465290	0.287	0.2862942		0.246	40	99.8	70	130
Cyclohexane		120397	0.01	0.04	465290	1.025	1.035028		0.978	40	101	70	130
tert-butyl formate		783370	0.1	0.04	465290	0.678	0.6734467		0.672	40	99.4	50	150
ISOBUTANOL		514470	1	0.04	465290	0.046	0.0442279		3.85	40	96	70	130
t-Amyl Alcohol		41497	0.05	0.04	465290	0.068	0.07134819		4.92	40	106	50	150
TERT-AMYL METHYL ETHER		247922	0.01	0.04	465290	2.084	2.131333		2.27	40	102	70	130
N-BUTANOL		566948	2	0.04	810460	0.014	0.01399077		0.0659	40	97.5	50	150
Methyl Cyclohexane		149935	0.01	0.04	810460	0.793	0.7399995		6.68	40	101	70	130
2-nitropropane		128143	0.05	0.04	810460	0.128	0.1264891		1.18	40	98.6	70	130
METHYL METHACRYLATE		362925	0.05	0.04	810460	0.358	0.358241		0.0673	40	99.9	70	130
1,4-DIOXANE		69191	1	0.04	810460	0	0.0034149		0	40	0	70	130
n-octane		69562	0.01	0.04	810460	0.34	0.3433211		0.977	40	101	70	130
3,3-DIMETHYL-1-BUTANOL		82348	0.1	0.04	810460	0.042	0.0406426		3.23	40	96.7	70	130
ETHYL METHACRYLATE		514189	0.05	0.04	143490	2.895	2.866759		0.976	40	99	70	130
CIS-1,4-DICHLORO-2-BUTENE		136098	0.05	0.04	143490	0.784	0.7587873		3.22	40	96.8	70	130
Cyclohexanone		182957	0.1	0.04	143490	0.493	0.5100202		3.45	40	103	50	150
PENTACHLOROETHANE		207453	0.05	0.04	143490	1.323	1.156613		12.6	40	87.4	50	150
Hexachloroethane		65932	0.01	0.04	143490	1.827	1.837954		0.6	40	101	70	130

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	465290	0	0	3.91		
8260-1,4-DIFLUOROBENZENE	810460	0	0	4.24		

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/12/14 0209	ICal Method	: 8260B
Lab File ID	: 0711_31	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	143490	0	0	5.39		
8260-1,4-DICHLOROBENZENE-D4	363922	0	0	7.8		
AP9-PENTAFLUOROBENZENE	465290	235000	940000	3.91		
AP9-1,4-DIFLUOROBENZENE	810460	404000	1620000	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	143490	70900	283000	5.39		
AP9-1,4-DICHLOROBENZENE-D4	363922	182000	727000	7.8		

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_31
Analysis Date : 07/12/14 0209
Quant Method : V823G11N
ICal Method : 601-602
ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecH L
PROPENE		1453	0	0.04	465290	0.227	0		0	40			
DICHLORODIFLUOROMETHANE		0	0	0.04	465290	0.65	0		0	40			
CHLOROMETHANE		4903	0	0.04	465290	1.115	0		0	30			
VINYL CHLORIDE		0	0	0.04	465290	1.179	0		0	30			
1,3-BUTADIENE		9142	0	0.04	465290	0.96	0		0	40			
BROMOMETHANE		1204	0	0.04	465290	0.614	0		0	40			
CHLOROETHANE		0	0	0.04	465290	0.207	0		0	40			
TRICHLOROFLUOROMETHANE		0	0	0.04	465290	1.021	0		0	40			
DICHLOROFLUOROMETHANE		849	0	0.04	465290	1.462	0		0	40			
ETHYL ETHER		641	0	0.04	465290	0.733	0		0	40			
ACROLEIN		1465	0	0.04	465290	0.129	0		0	40			
1,1-DICHLOROETHENE		0	0	0.04	465290	1.449	0		0	30			
1,1,2-TRICHLOROTRIFLUOROETHANE		0	0	0.04	465290	0.805	0		0	40			
ACETONE		5602	0	0.04	465290	0.197	0		0	40			
IODOMETHANE		1799	0	0.04	465290	1.381	0		0	40			
CARBON DISULFIDE		4467	0	0.04	465290	3.346	0		0	40			
METHYLENE CHLORIDE		10155	0	0.04	465290	0.934	0		0	40			
ACRYLONITRILE		708407	0	0.04	465290	0.25	0		0	40			
n-Hexane		1333	0	0.04	465290	0.852	0		0	40			
TRANS-1,2-DICHLOROETHENE		643	0	0.04	465290	0.821	0		0	40			
METHYL TERT-BUTYL ETHER		1381	0	0.04	465290	2.184	0		0	40			
1,1-DICHLOROETHANE		11043	0	0.04	465290	1.568	0		0	30			
VINYL ACETATE		30688	0	0.04	465290	1.622	0		0	40			
DI-ISOPROPYL ETHER		965	0	0.04	465290	2.857	0		0	40			
2,2-Dichloropropane		1419	0	0.04	465290	0.868	0		0	40			
CIS-1,2-DICHLOROETHENE		744	0	0.04	465290	0.832	0		0	40			
2-BUTANONE (MEK)		129714	0	0.04	465290	0.32	0		0	40			
BROMOCHLOROMETHANE		554	0	0.04	465290	0.507	0		0	40			
TETRAHYDROFURAN		1567	0	0.04	465290	0.246	0		0	40			
CHLOROFORM		20530	0	0.04	465290	1.492	0		0	30			
1,1,1-TRICHLOROETHANE		0	0	0.04	465290	1.075	0		0	40			
CARBON TETRACHLORIDE		516	0	0.04	465290	1.103	0		0	40			
1,1-Dichloropropene		0	0	0.04	465290	1.18	0		0	40			
2,2,4-TRIMETHYLPENTANE		653555	0	0.04	465290	3.719	0		0	40			
HEPTANE		129714	0	0.04	465290	1.582	0		0	40			
BENZENE		3313	0	0.04	465290	3.235	0		0	40			
1,2-DICHLOROETHANE		43731	0	0.04	465290	0.994	0		0	40			
TRICHLOROETHENE		7426	0	0.04	810460	0.432	0		0	40			
1,2-DICHLOROPROPANE		8212	0	0.04	810460	0.344	0		0	30			
DIBROMOMETHANE		0	0	0.04	810460	0.251	0		0	40			

SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_31
Analysis Date : 07/12/14 0209
Quant Method : V823G11N
ICal Method : 601-602
ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		582	0	0.04	810460	0.591	0		0	40			
2-CHLOROETHYL VINYL ETHER		0	0	0.04	810460	0.188	0		0	40			
CIS-1,3-DICHLOROPROPENE		560	0	0.04	810460	0.756	0		0	40			
4-METHYL-2-PENTANONE (MIBK)		1209	0	0.04	810460	0.168	0		0	40			
TOLUENE		9664	0	0.04	810460	1.891	0		0	30			
TRANS-1,3-DICHLOROPROPENE		0	0	0.04	810460	0.153	0		0	40			
1,1,2-TRICHLOROETHANE		2160	0	0.04	143490	1.927	0		0	40			
TETRACHLOROETHENE		74726	0	0.04	143490	1.792	0		0	40			
1,3-Dichloropropane		979	0	0.04	143490	3.862	0		0	40			
2-HEXANONE		2734	0	0.04	143490	0.896	0		0	40			
CHLORODIBROMOMETHANE		0	0	0.04	143490	2.268	0		0	40			
1,2-DIBROMOETHANE		0	0	0.04	143490	2.06	0		0	40			
CHLOROBENZENE		873	0	0.04	143490	6.646	0		0	30			
1,1,1,2-TETRACHLOROETHANE		4112	0	0.04	143490	2.174	0		0	40			
ETHYLBENZENE		1152	0	0.04	143490	3.67	0		0	30			
M&P-XYLENE		4117	0	0.04	143490	4.44	0		0	40			
O-XYLENE		1628	0	0.04	143490	4.495	0		0	40			
XYLENES, TOTAL		5745	0	0.04	363922	0	0		0	40			
STYRENE		1281	0	0.04	143490	6.869	0		0	40			
Bromoform		0	0	0.04	143490	1.376	0		0	30			
Isopropylbenzene		1558	0	0.04	143490	11.13	0		0	40			
Bromobenzene		49304	0	0.04	143490	4.962	0		0	40			
1,1,2,2-TETRACHLOROETHANE		615	0	0.04	143490	2.689	0		0	30			
1,2,3-TRICHLOROPROPANE		0	0	0.04	143490	0.751	0		0	40			
TRANS-1,4-DICHLORO-2-BUTENE		12480	0	0.04	143490	0.747	0		0	40			
n-Propylbenzene		2375	0	0.04	143490	13.13	0		0	40			
4-ETHYLTOLUENE		4422	0	0.04	143490	10.5	0		0	40			
2-Chlorotoluene		0	0	0.04	143490	2.674	0		0	40			
4-Chlorotoluene		1359	0	0.04	143490	7.783	0		0	40			
1,3,5-Trimethylbenzene		2295	0	0.04	143490	9.16	0		0	40			
tert-Butylbenzene		200837	0	0.04	143490	7.761	0		0	40			
1,2,4-Trimethylbenzene		4938	0	0.04	143490	9.049999	0		0	40			
sec-Butylbenzene		1714	0	0.04	143490	12.11	0		0	40			
1,3-DICHLOROBENZENE		727	0	0.04	143490	4.707	0		0	40			
p-Isopropyltoluene		1628	0	0.04	143490	9.73	0		0	40			
DICYCLOPENTADIENE		1274	0	0.04	143490	11.32	0		0	40			
1,4-DICHLOROBENZENE		1346	0	0.04	363922	1.904	0		0	40			
1,2,3-TRIMETHYLBENZENE		3283	0	0.04	363922	3.852	0		0	40			
1,2-DICHLOROBENZENE		665	0	0.04	363922	1.711	0		0	40			
n-Butylbenzene		1245	0	0.04	363922	3.529	0		0	40			

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/12/14 0209 | ICal Method : 601-602
Lab File ID : 0711_31 | Quant Method : V823G11N | ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
1,2-Dibromo-3-chloropropane		0	0	0.04	363922	0.196	0		0	40			
1,2,4-Trichlorobenzene		658	0	0.04	363922	1.15	0		0	40			
HEXACHLORO-1,3-BUTADIENE		0	0	0.04	363922	0.626	0		0	40			
Naphthalene		3024	0	0.04	363922	2.763	0		0	40			
1,2,3-Trichlorobenzene		510	0	0.04	363922	1.065	0		0	40			
1-Methylnaphthalene		2250	0	0.04	363922	1.465	0		0	40			
2-Methylnaphthalene		1772	0	0.04	363922	1.188	0		0	40			
ETHANOL		84143	1	0.04	465290	0.007	0.007233596		3.34	40	101	50	150
Bromoethane		70621	0.01	0.04	465290	0.605	0.6071138		0.349	40	100		
2-PROPANOL		24668	0.05	0.04	465290	0.044	0.04241312		3.61	40	95.9		
Methyl Acetate		1241682	0.2	0.04	465290	0.54	0.5337239		1.16	40	98.8		
ACETONITRILE		448195	0.5	0.04	465290	0.078	0.07706076		1.2	40	99		
ALLYL CHLORIDE		237448	0.05	0.04	465290	0.406	0.4082581		0.556	40	100		
tert-BUTYL ALCOHOL		49535	0.05	0.04	465290	0.086	0.08516838		0.967	40	98.5	50	150
chloroprene		708407	0.05	0.04	465290	1.214	1.218005		0.33	40	100		
ETHYL TERT-BUTYL ETHER		281860	0.01	0.04	465290	2.372	2.423091		2.15	40	102	50	150
PROPIONITRILE		561491	0.5	0.04	465290	0.098	0.09654039		1.49	40	99		
Ethyl Acetate		700394	0.1	0.04	465290	0.606	0.6021139		0.641	40	99.3		
METHACRYLONITRILE		1665123	0.5	0.04	465290	0.287	0.2862942		0.246	40	99.8		
Cyclohexane		120397	0.01	0.04	465290	1.025	1.035028		0.978	40	101		
tert-butyl formate		783370	0.1	0.04	465290	0.678	0.6734467		0.672	40	99.4	50	150
ISOBUTANOL		514470	1	0.04	465290	0.046	0.0442279		3.85	40	96		
t-Amyl Alcohol		41497	0.05	0.04	465290	0.068	0.07134819		4.92	40	106	50	150
TERT-AMYL METHYL ETHER		247922	0.01	0.04	465290	2.084	2.131333		2.27	40	102		
N-BUTANOL		566948	2	0.04	810460	0.014	0.01399077		0.0659	40	97.5	50	150
Methyl Cyclohexane		149935	0.01	0.04	810460	0.793	0.7399995		6.68	40	101		
2-nitropropane		128143	0.05	0.04	810460	0.128	0.1264891		1.18	40	98.6		
METHYL METHACRYLATE		362925	0.05	0.04	810460	0.358	0.358241		0.0673	40	99.9		
1,4-DIOXANE		69191	1	0.04	810460	0	0.0034149		0	40	0		
n-octane		69562	0.01	0.04	810460	0.34	0.3433211		0.977	40	101		
3,3-DIMETHYL-1-BUTANOL		82348	0.1	0.04	810460	0.042	0.0406426		3.23	40	96.7		
ETHYL METHACRYLATE		514189	0.05	0.04	143490	2.895	2.866759		0.976	40	99		
CIS-1,4-DICHLORO-2-BUTENE		136098	0.05	0.04	143490	0.784	0.7587873		3.22	40	96.8		
Cyclohexanone		182957	0.1	0.04	143490	0.493	0.5100202		3.45	40	103	50	150
PENTACHLOROETHANE		207453	0.05	0.04	143490	1.323	1.156613		12.6	40	87.4	50	150
Hexachloroethane		65932	0.01	0.04	143490	1.827	1.837954		0.6	40	101		

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	465290	0	0	3.91		
8260-1,4-DIFLUOROBENZENE	810460	0	0	4.24		

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/12/14 0209	ICal Method	: 601-602
Lab File ID	: 0711_31	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	143490	0	0	5.39		
8260-1,4-DICHLOROBENZENE-D4	363922	0	0	7.8		
AP9-PENTAFLUOROBENZENE	465290	235000	940000	3.91		
AP9-1,4-DIFLUOROBENZENE	810460	404000	1620000	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	143490	70900	283000	5.39		
AP9-1,4-DICHLOROBENZENE-D4	363922	182000	727000	7.8		

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_31
Analysis Date : 07/12/14 0209
Quant Method : V823G11N
ICal Method : 624
ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
PROPENE		1453	0	0.04	465290	0.227	0		0	40			
DICHLORODIFLUOROMETHANE		0	0	0.04	465290	0.65	0		0	40			
CHLOROMETHANE		4903	0	0.04	465290	1.115	0		0	30			
VINYL CHLORIDE		0	0	0.04	465290	1.179	0		0	30			
1,3-BUTADIENE		9142	0	0.04	465290	0.96	0		0	40			
BROMOMETHANE		1204	0	0.04	465290	0.614	0		0	40			
CHLOROETHANE		0	0	0.04	465290	0.207	0		0	40			
TRICHLOROFLUOROMETHANE		0	0	0.04	465290	1.021	0		0	40			
DICHLOROFLUOROMETHANE		849	0	0.04	465290	1.462	0		0	40			
ETHYL ETHER		641	0	0.04	465290	0.733	0		0	40			
ACROLEIN		1465	0	0.04	465290	0.129	0		0	40			
1,1-DICHLOROETHENE		0	0	0.04	465290	1.449	0		0	30			
1,1,2-TRICHLOROTRIFLUOROETHANE		0	0	0.04	465290	0.805	0		0	40			
ACETONE		5602	0	0.04	465290	0.197	0		0	40			
IODOMETHANE		1799	0	0.04	465290	1.381	0		0	40			
CARBON DISULFIDE		4467	0	0.04	465290	3.346	0		0	40			
METHYLENE CHLORIDE		10155	0	0.04	465290	0.934	0		0	40			
ACRYLONITRILE		708407	0	0.04	465290	0.25	0		0	40			
n-Hexane		1333	0	0.04	465290	0.852	0		0	40			
TRANS-1,2-DICHLOROETHENE		643	0	0.04	465290	0.821	0		0	40			
METHYL TERT-BUTYL ETHER		1381	0	0.04	465290	2.184	0		0	40			
1,1-DICHLOROETHANE		11043	0	0.04	465290	1.568	0		0	30			
VINYL ACETATE		30688	0	0.04	465290	1.622	0		0	40			
DI-ISOPROPYL ETHER		965	0	0.04	465290	2.857	0		0	40			
2,2-Dichloropropane		1419	0	0.04	465290	0.868	0		0	40			
CIS-1,2-DICHLOROETHENE		744	0	0.04	465290	0.832	0		0	40			
2-BUTANONE (MEK)		129714	0	0.04	465290	0.32	0		0	40			
BROMOCHLOROMETHANE		554	0	0.04	465290	0.507	0		0	40			
TETRAHYDROFURAN		1567	0	0.04	465290	0.246	0		0	40			
CHLOROFORM		20530	0	0.04	465290	1.492	0		0	30			
1,1,1-TRICHLOROETHANE		0	0	0.04	465290	1.075	0		0	40			
CARBON TETRACHLORIDE		516	0	0.04	465290	1.103	0		0	40			
1,1-Dichloropropene		0	0	0.04	465290	1.18	0		0	40			
2,2,4-TRIMETHYLPENTANE		653555	0	0.04	465290	3.719	0		0	40			
HEPTANE		129714	0	0.04	465290	1.582	0		0	40			
BENZENE		3313	0	0.04	465290	3.235	0		0	40			
1,2-DICHLOROETHANE		43731	0	0.04	465290	0.994	0		0	40			
TRICHLOROETHENE		7426	0	0.04	810460	0.432	0		0	40			
1,2-DICHLOROPROPANE		8212	0	0.04	810460	0.344	0		0	30			
DIBROMOMETHANE		0	0	0.04	810460	0.251	0		0	40			

SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_31
Analysis Date : 07/12/14 0209
Quant Method : V823G11N
ICal Method : 624
ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		582	0	0.04	810460	0.591	0		0	40			
2-CHLOROETHYL VINYL ETHER		0	0	0.04	810460	0.188	0		0	40			
CIS-1,3-DICHLOROPROPENE		560	0	0.04	810460	0.756	0		0	40			
4-METHYL-2-PENTANONE (MIBK)		1209	0	0.04	810460	0.168	0		0	40			
TOLUENE		9664	0	0.04	810460	1.891	0		0	40			
TRANS-1,3-DICHLOROPROPENE		0	0	0.04	810460	0.153	0		0	40			
1,1,2-TRICHLOROETHANE		2160	0	0.04	143490	1.927	0		0	40			
TETRACHLOROETHENE		74726	0	0.04	143490	1.792	0		0	40			
1,3-Dichloropropane		979	0	0.04	143490	3.862	0		0	40			
2-HEXANONE		2734	0	0.04	143490	0.896	0		0	40			
CHLORODIBROMOMETHANE		0	0	0.04	143490	2.268	0		0	40			
1,2-DIBROMOETHANE		0	0	0.04	143490	2.06	0		0	40			
CHLOROBENZENE		873	0	0.04	143490	6.646	0		0	30			
1,1,1,2-TETRACHLOROETHANE		4112	0	0.04	143490	2.174	0		0	40			
ETHYLBENZENE		1152	0	0.04	143490	3.67	0		0	30			
M&P-XYLENE		4117	0	0.04	143490	4.44	0		0	40			
O-XYLENE		1628	0	0.04	143490	4.495	0		0	40			
XYLENES, TOTAL		5745	0	0.04	363922	0	0		0	40			
STYRENE		1281	0	0.04	143490	6.869	0		0	40			
Bromoform		0	0	0.04	143490	1.376	0		0	30			
Isopropylbenzene		1558	0	0.04	143490	11.13	0		0	40			
Bromobenzene		49304	0	0.04	143490	4.962	0		0	40			
1,1,2,2-TETRACHLOROETHANE		615	0	0.04	143490	2.689	0		0	30			
1,2,3-TRICHLOROPROPANE		0	0	0.04	143490	0.751	0		0	40			
TRANS-1,4-DICHLORO-2-BUTENE		12480	0	0.04	143490	0.747	0		0	40			
n-Propylbenzene		2375	0	0.04	143490	13.13	0		0	40			
4-ETHYLTOLUENE		4422	0	0.04	143490	10.5	0		0	40			
2-Chlorotoluene		0	0	0.04	143490	2.674	0		0	40			
4-Chlorotoluene		1359	0	0.04	143490	7.783	0		0	40			
1,3,5-Trimethylbenzene		2295	0	0.04	143490	9.16	0		0	40			
tert-Butylbenzene		200837	0	0.04	143490	7.761	0		0	40			
1,2,4-Trimethylbenzene		4938	0	0.04	143490	9.049999	0		0	40			
sec-Butylbenzene		1714	0	0.04	143490	12.11	0		0	40			
1,3-DICHLOROBENZENE		727	0	0.04	143490	4.707	0		0	40			
p-Isopropyltoluene		1628	0	0.04	143490	9.73	0		0	40			
DICYCLOPENTADIENE		1274	0	0.04	143490	11.32	0		0	40			
1,4-DICHLOROBENZENE		1346	0	0.04	363922	1.904	0		0	40			
1,2,3-TRIMETHYLBENZENE		3283	0	0.04	363922	3.852	0		0	40			
1,2-DICHLOROBENZENE		665	0	0.04	363922	1.711	0		0	40			
n-Butylbenzene		1245	0	0.04	363922	3.529	0		0	40			

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/12/14 0209 | ICal Method : 624
Lab File ID : 0711_31 | Quant Method : V823G11N | ICal Protocol : EPA

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecH L
1,2-Dibromo-3-chloropropane		0	0	0.04	363922	0.196	0		0	40			
1,2,4-Trichlorobenzene		658	0	0.04	363922	1.15	0		0	40			
HEXACHLORO-1,3-BUTADIENE		0	0	0.04	363922	0.626	0		0	40			
Naphthalene		3024	0	0.04	363922	2.763	0		0	40			
1,2,3-Trichlorobenzene		510	0	0.04	363922	1.065	0		0	40			
1-Methylnaphthalene		2250	0	0.04	363922	1.465	0		0	40			
2-Methylnaphthalene		1772	0	0.04	363922	1.188	0		0	40			
ETHANOL		84143	1	0.04	465290	0.007	0.007233596		3.34	40	101	50	150
Bromoethane		70621	0.01	0.04	465290	0.605	0.6071138		0.349	40	100		
2-PROPANOL		24668	0.05	0.04	465290	0.044	0.04241312		3.61	40	95.9		
Methyl Acetate		1241682	0.2	0.04	465290	0.54	0.5337239		1.16	40	98.8		
ACETONITRILE		448195	0.5	0.04	465290	0.078	0.07706076		1.2	40	99		
ALLYL CHLORIDE		237448	0.05	0.04	465290	0.406	0.4082581		0.556	40	100		
tert-BUTYL ALCOHOL		49535	0.05	0.04	465290	0.086	0.08516838		0.967	40	98.5	50	150
chloroprene		708407	0.05	0.04	465290	1.214	1.218005		0.33	40	100		
ETHYL TERT-BUTYL ETHER		281860	0.01	0.04	465290	2.372	2.423091		2.15	40	102	50	150
PROPIONITRILE		561491	0.5	0.04	465290	0.098	0.09654039		1.49	40	99		
Ethyl Acetate		700394	0.1	0.04	465290	0.606	0.6021139		0.641	40	99.3		
METHACRYLONITRILE		1665123	0.5	0.04	465290	0.287	0.2862942		0.246	40	99.8		
Cyclohexane		120397	0.01	0.04	465290	1.025	1.035028		0.978	40	101		
tert-butyl formate		783370	0.1	0.04	465290	0.678	0.6734467		0.672	40	99.4	50	150
ISOBUTANOL		514470	1	0.04	465290	0.046	0.0442279		3.85	40	96		
t-Amyl Alcohol		41497	0.05	0.04	465290	0.068	0.07134819		4.92	40	106	50	150
TERT-AMYL METHYL ETHER		247922	0.01	0.04	465290	2.084	2.131333		2.27	40	102		
N-BUTANOL		566948	2	0.04	810460	0.014	0.01399077		0.0659	40	97.5	50	150
Methyl Cyclohexane		149935	0.01	0.04	810460	0.793	0.7399995		6.68	40	101		
2-nitropropane		128143	0.05	0.04	810460	0.128	0.1264891		1.18	40	98.6		
METHYL METHACRYLATE		362925	0.05	0.04	810460	0.358	0.358241		0.0673	40	99.9		
1,4-DIOXANE		69191	1	0.04	810460	0	0.0034149		0	40	0		
n-octane		69562	0.01	0.04	810460	0.34	0.3433211		0.977	40	101		
3,3-DIMETHYL-1-BUTANOL		82348	0.1	0.04	810460	0.042	0.0406426		3.23	40	96.7		
ETHYL METHACRYLATE		514189	0.05	0.04	143490	2.895	2.866759		0.976	40	99		
CIS-1,4-DICHLORO-2-BUTENE		136098	0.05	0.04	143490	0.784	0.7587873		3.22	40	96.8		
Cyclohexanone		182957	0.1	0.04	143490	0.493	0.5100202		3.45	40	103	50	150
PENTACHLOROETHANE		207453	0.05	0.04	143490	1.323	1.156613		12.6	40	87.4	50	150
Hexachloroethane		65932	0.01	0.04	143490	1.827	1.837954		0.6	40	101		

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	465290	0	0	3.91		
8260-1,4-DIFLUOROBENZENE	810460	0	0	4.24		

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/12/14 0209	ICal Method	: 624
Lab File ID	: 0711_31	Quant Method	: V823G11N	ICal Protocol	: EPA

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	143490	0	0	5.39		
8260-1,4-DICHLOROBENZENE-D4	363922	0	0	7.8		
AP9-PENTAFLUOROBENZENE	465290	235000	940000	3.91		
AP9-1,4-DIFLUOROBENZENE	810460	404000	1620000	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	143490	70900	283000	5.39		
AP9-1,4-DICHLOROBENZENE-D4	363922	182000	727000	7.8		

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SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_31
Analysis Date : 07/12/14 0209
Quant Method : V823G11N
ICal Method : 8260SC
ICal Protocol : SC

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
PROPENE		1453	0	0.04	465290	0.227	0		0	40			
DICHLORODIFLUOROMETHANE		0	0	0.04	465290	0.65	0		0	40			
CHLOROMETHANE		4903	0	0.04	465290	1.115	0		0	30			
VINYL CHLORIDE		0	0	0.04	465290	1.179	0		0	30			
1,3-BUTADIENE		9142	0	0.04	465290	0.96	0		0	40			
BROMOMETHANE		1204	0	0.04	465290	0.614	0		0	40			
CHLOROETHANE		0	0	0.04	465290	0.207	0		0	40			
TRICHLOROFLUOROMETHANE		0	0	0.04	465290	1.021	0		0	40			
DICHLOROFLUOROMETHANE		849	0	0.04	465290	1.462	0		0	40			
ETHYL ETHER		641	0	0.04	465290	0.733	0		0	40			
ACROLEIN		1465	0	0.04	465290	0.129	0		0	40			
1,1-DICHLOROETHENE		0	0	0.04	465290	1.449	0		0	30			
1,1,2-TRICHLOROTRIFLUOROETHANE		0	0	0.04	465290	0.805	0		0	40			
ACETONE		5602	0	0.04	465290	0.197	0		0	40			
IODOMETHANE		1799	0	0.04	465290	1.381	0		0	40			
CARBON DISULFIDE		4467	0	0.04	465290	3.346	0		0	40			
METHYLENE CHLORIDE		10155	0	0.04	465290	0.934	0		0	40			
ACRYLONITRILE		708407	0	0.04	465290	0.25	0		0	40			
n-Hexane		1333	0	0.04	465290	0.852	0		0	40			
TRANS-1,2-DICHLOROETHENE		643	0	0.04	465290	0.821	0		0	40			
METHYL TERT-BUTYL ETHER		1381	0	0.04	465290	2.184	0		0	40			
1,1-DICHLOROETHANE		11043	0	0.04	465290	1.568	0		0	30			
VINYL ACETATE		30688	0	0.04	465290	1.622	0		0	40			
DI-ISOPROPYL ETHER		965	0	0.04	465290	2.857	0		0	40			
2,2-Dichloropropane		1419	0	0.04	465290	0.868	0		0	40			
CIS-1,2-DICHLOROETHENE		744	0	0.04	465290	0.832	0		0	40			
2-BUTANONE (MEK)		129714	0	0.04	465290	0.32	0		0	40			
BROMOCHLOROMETHANE		554	0	0.04	465290	0.507	0		0	40			
TETRAHYDROFURAN		1567	0	0.04	465290	0.246	0		0	40			
CHLOROFORM		20530	0	0.04	465290	1.492	0		0	30			
1,1,1-TRICHLOROETHANE		0	0	0.04	465290	1.075	0		0	40			
CARBON TETRACHLORIDE		516	0	0.04	465290	1.103	0		0	40			
1,1-Dichloropropene		0	0	0.04	465290	1.18	0		0	40			
2,2,4-TRIMETHYLPENTANE		653555	0	0.04	465290	3.719	0		0	40			
HEPTANE		129714	0	0.04	465290	1.582	0		0	40			
BENZENE		3313	0	0.04	465290	3.235	0		0	40			
1,2-DICHLOROETHANE		43731	0	0.04	465290	0.994	0		0	40			
TRICHLOROETHENE		7426	0	0.04	810460	0.432	0		0	40			
1,2-DICHLOROPROPANE		8212	0	0.04	810460	0.344	0		0	30			
DIBROMOMETHANE		0	0	0.04	810460	0.251	0		0	40			

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/12/14 0209 | ICal Method : 8260SC
Lab File ID : 0711_31 | Quant Method : V823G11N | ICal Protocol : SC

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		582	0	0.04	810460	0.591	0		0	40			
2-CHLOROETHYL VINYL ETHER		0	0	0.04	810460	0.188	0		0	40			
CIS-1,3-DICHLOROPROPENE		560	0	0.04	810460	0.756	0		0	40			
4-METHYL-2-PENTANONE (MIBK)		1209	0	0.04	810460	0.168	0		0	40			
TOLUENE		9664	0	0.04	810460	1.891	0		0	30			
TRANS-1,3-DICHLOROPROPENE		0	0	0.04	810460	0.153	0		0	40			
1,1,2-TRICHLOROETHANE		2160	0	0.04	143490	1.927	0		0	40			
TETRACHLOROETHENE		74726	0	0.04	143490	1.792	0		0	40			
1,3-Dichloropropane		979	0	0.04	143490	3.862	0		0	40			
2-HEXANONE		2734	0	0.04	143490	0.896	0		0	40			
CHLORODIBROMOMETHANE		0	0	0.04	143490	2.268	0		0	40			
1,2-DIBROMOETHANE		0	0	0.04	143490	2.06	0		0	40			
CHLOROBENZENE		873	0	0.04	143490	6.646	0		0	30			
1,1,1,2-TETRACHLOROETHANE		4112	0	0.04	143490	2.174	0		0	40			
ETHYLBENZENE		1152	0	0.04	143490	3.67	0		0	30			
M&P-XYLENE		4117	0	0.04	143490	4.44	0		0	40			
O-XYLENE		1628	0	0.04	143490	4.495	0		0	40			
XYLENES, TOTAL		5745	0	0.04	363922	0	0		0	40			
STYRENE		1281	0	0.04	143490	6.869	0		0	40			
Bromoform		0	0	0.04	143490	1.376	0		0	30			
Isopropylbenzene		1558	0	0.04	143490	11.13	0		0	40			
Bromobenzene		49304	0	0.04	143490	4.962	0		0	40			
1,1,2,2-TETRACHLOROETHANE		615	0	0.04	143490	2.689	0		0	30			
1,2,3-TRICHLOROPROPANE		0	0	0.04	143490	0.751	0		0	40			
TRANS-1,4-DICHLORO-2-BUTENE		12480	0	0.04	143490	0.747	0		0	40			
n-Propylbenzene		2375	0	0.04	143490	13.13	0		0	40			
4-ETHYLTOLUENE		4422	0	0.04	143490	10.5	0		0	40			
2-Chlorotoluene		0	0	0.04	143490	2.674	0		0	40			
4-Chlorotoluene		1359	0	0.04	143490	7.783	0		0	40			
1,3,5-Trimethylbenzene		2295	0	0.04	143490	9.16	0		0	40			
tert-Butylbenzene		200837	0	0.04	143490	7.761	0		0	40			
1,2,4-Trimethylbenzene		4938	0	0.04	143490	9.049999	0		0	40			
sec-Butylbenzene		1714	0	0.04	143490	12.11	0		0	40			
1,3-DICHLOROBENZENE		727	0	0.04	143490	4.707	0		0	40			
p-Isopropyltoluene		1628	0	0.04	143490	9.73	0		0	40			
DICYCLOPENTADIENE		1274	0	0.04	143490	11.32	0		0	40			
1,4-DICHLOROBENZENE		1346	0	0.04	363922	1.904	0		0	40			
1,2,3-TRIMETHYLBENZENE		3283	0	0.04	363922	3.852	0		0	40			
1,2-DICHLOROBENZENE		665	0	0.04	363922	1.711	0		0	40			
n-Butylbenzene		1245	0	0.04	363922	3.529	0		0	40			

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/12/14 0209	ICal Method	: 8260SC
Lab File ID	: 0711_31	Quant Method	: V823G11N	ICal Protocol	: SC

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
1,2-Dibromo-3-chloropropane		0	0	0.04	363922	0.196	0		0	40			
1,2,4-Trichlorobenzene		658	0	0.04	363922	1.15	0		0	40			
HEXACHLORO-1,3-BUTADIENE		0	0	0.04	363922	0.626	0		0	40			
Naphthalene		3024	0	0.04	363922	2.763	0		0	40			
1,2,3-Trichlorobenzene		510	0	0.04	363922	1.065	0		0	40			
1-Methylnaphthalene		2250	0	0.04	363922	1.465	0		0	40			
2-Methylnaphthalene		1772	0	0.04	363922	1.188	0		0	40			
ETHANOL		84143	1	0.04	465290	0.007	0.007233596		3.34	40	101	50	150
Bromoethane		70621	0.01	0.04	465290	0.605	0.6071138		0.349	40	100		
2-PROPANOL		24668	0.05	0.04	465290	0.044	0.04241312		3.61	40	95.9		
Methyl Acetate		1241682	0.2	0.04	465290	0.54	0.5337239		1.16	40	98.8		
ACETONITRILE		448195	0.5	0.04	465290	0.078	0.07706076		1.2	40	99		
ALLYL CHLORIDE		237448	0.05	0.04	465290	0.406	0.4082581		0.556	40	100		
tert-BUTYL ALCOHOL		49535	0.05	0.04	465290	0.086	0.08516838		0.967	40	98.5	50	150
chloroprene		708407	0.05	0.04	465290	1.214	1.218005		0.33	40	100		
ETHYL TERT-BUTYL ETHER		281860	0.01	0.04	465290	2.372	2.423091		2.15	40	102	50	150
PROPIONITRILE		561491	0.5	0.04	465290	0.098	0.09654039		1.49	40	99		
Ethyl Acetate		700394	0.1	0.04	465290	0.606	0.6021139		0.641	40	99.3		
METHACRYLONITRILE		1665123	0.5	0.04	465290	0.287	0.2862942		0.246	40	99.8		
Cyclohexane		120397	0.01	0.04	465290	1.025	1.035028		0.978	40	101		
tert-butyl formate		783370	0.1	0.04	465290	0.678	0.6734467		0.672	40	99.4	50	150
ISOBUTANOL		514470	1	0.04	465290	0.046	0.0442279		3.85	40	96		
t-Amyl Alcohol		41497	0.05	0.04	465290	0.068	0.07134819		4.92	40	106	50	150
TERT-AMYL METHYL ETHER		247922	0.01	0.04	465290	2.084	2.131333		2.27	40	102		
N-BUTANOL		566948	2	0.04	810460	0.014	0.01399077		0.0659	40	97.5	50	150
Methyl Cyclohexane		149935	0.01	0.04	810460	0.793	0.7399995		6.68	40	101		
2-nitropropane		128143	0.05	0.04	810460	0.128	0.1264891		1.18	40	98.6		
METHYL METHACRYLATE		362925	0.05	0.04	810460	0.358	0.358241		0.0673	40	99.9		
1,4-DIOXANE		69191	1	0.04	810460	0	0.0034149		0	40	0		
n-octane		69562	0.01	0.04	810460	0.34	0.3433211		0.977	40	101		
3,3-DIMETHYL-1-BUTANOL		82348	0.1	0.04	810460	0.042	0.0406426		3.23	40	96.7		
ETHYL METHACRYLATE		514189	0.05	0.04	143490	2.895	2.866759		0.976	40	99		
CIS-1,4-DICHLORO-2-BUTENE		136098	0.05	0.04	143490	0.784	0.7587873		3.22	40	96.8		
Cyclohexanone		182957	0.1	0.04	143490	0.493	0.5100202		3.45	40	103	50	150
PENTACHLOROETHANE		207453	0.05	0.04	143490	1.323	1.156613		12.6	40	87.4	50	150
Hexachloroethane		65932	0.01	0.04	143490	1.827	1.837954		0.6	40	101		

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	465290	0	0	3.91		
8260-1,4-DIFLUOROBENZENE	810460	0	0	4.24		

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/12/14 0209	ICal Method	: 8260SC
Lab File ID	: 0711_31	Quant Method	: V823G11N	ICal Protocol	: SC

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	143490	0	0	5.39		
8260-1,4-DICHLOROBENZENE-D4	363922	0	0	7.8		
AP9-PENTAFLUOROBENZENE	465290	235000	940000	3.91		
AP9-1,4-DIFLUOROBENZENE	810460	404000	1620000	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	143490	70900	283000	5.39		
AP9-1,4-DICHLOROBENZENE-D4	363922	182000	727000	7.8		

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SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_31
Analysis Date : 07/12/14 0209
Quant Method : V823G11N
ICal Method : 6200
ICal Protocol : SM 20th

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
PROPENE		1453	0	0.04	465290	0.227	0		0	40			
DICHLORODIFLUOROMETHANE		0	0	0.04	465290	0.65	0		0	40			
CHLOROMETHANE		4903	0	0.04	465290	1.115	0		0	30			
VINYL CHLORIDE		0	0	0.04	465290	1.179	0		0	30			
1,3-BUTADIENE		9142	0	0.04	465290	0.96	0		0	40			
BROMOMETHANE		1204	0	0.04	465290	0.614	0		0	40			
CHLOROETHANE		0	0	0.04	465290	0.207	0		0	40			
TRICHLOROFLUOROMETHANE		0	0	0.04	465290	1.021	0		0	40			
DICHLOROFLUOROMETHANE		849	0	0.04	465290	1.462	0		0	40			
ETHYL ETHER		641	0	0.04	465290	0.733	0		0	40			
ACROLEIN		1465	0	0.04	465290	0.129	0		0	40			
1,1-DICHLOROETHENE		0	0	0.04	465290	1.449	0		0	30			
1,1,2-TRICHLOROTRIFLUOROETHANE		0	0	0.04	465290	0.805	0		0	40			
ACETONE		5602	0	0.04	465290	0.197	0		0	40			
IODOMETHANE		1799	0	0.04	465290	1.381	0		0	40			
CARBON DISULFIDE		4467	0	0.04	465290	3.346	0		0	40			
METHYLENE CHLORIDE		10155	0	0.04	465290	0.934	0		0	40			
ACRYLONITRILE		708407	0	0.04	465290	0.25	0		0	40			
n-Hexane		1333	0	0.04	465290	0.852	0		0	40			
TRANS-1,2-DICHLOROETHENE		643	0	0.04	465290	0.821	0		0	40			
METHYL TERT-BUTYL ETHER		1381	0	0.04	465290	2.184	0		0	40			
1,1-DICHLOROETHANE		11043	0	0.04	465290	1.568	0		0	30			
VINYL ACETATE		30688	0	0.04	465290	1.622	0		0	40			
DI-ISOPROPYL ETHER		965	0	0.04	465290	2.857	0		0	40			
2,2-Dichloropropane		1419	0	0.04	465290	0.868	0		0	40			
CIS-1,2-DICHLOROETHENE		744	0	0.04	465290	0.832	0		0	40			
2-BUTANONE (MEK)		129714	0	0.04	465290	0.32	0		0	40			
BROMOCHLOROMETHANE		554	0	0.04	465290	0.507	0		0	40			
TETRAHYDROFURAN		1567	0	0.04	465290	0.246	0		0	40			
CHLOROFORM		20530	0	0.04	465290	1.492	0		0	30			
1,1,1-TRICHLOROETHANE		0	0	0.04	465290	1.075	0		0	40			
CARBON TETRACHLORIDE		516	0	0.04	465290	1.103	0		0	40			
1,1-Dichloropropene		0	0	0.04	465290	1.18	0		0	40			
2,2,4-TRIMETHYLPENTANE		653555	0	0.04	465290	3.719	0		0	40			
HEPTANE		129714	0	0.04	465290	1.582	0		0	40			
BENZENE		3313	0	0.04	465290	3.235	0		0	40			
1,2-DICHLOROETHANE		43731	0	0.04	465290	0.994	0		0	40			
TRICHLOROETHENE		7426	0	0.04	810460	0.432	0		0	40			
1,2-DICHLOROPROPANE		8212	0	0.04	810460	0.344	0		0	30			
DIBROMOMETHANE		0	0	0.04	810460	0.251	0		0	40			

SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_31
Analysis Date : 07/12/14 0209
Quant Method : V823G11N
ICal Method : 6200
ICal Protocol : SM 20th

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		582	0	0.04	810460	0.591	0		0	40			
2-CHLOROETHYL VINYL ETHER		0	0	0.04	810460	0.188	0		0	40			
CIS-1,3-DICHLOROPROPENE		560	0	0.04	810460	0.756	0		0	40			
4-METHYL-2-PENTANONE (MIBK)		1209	0	0.04	810460	0.168	0		0	40			
TOLUENE		9664	0	0.04	810460	1.891	0		0	30			
TRANS-1,3-DICHLOROPROPENE		0	0	0.04	810460	0.153	0		0	40			
1,1,2-TRICHLOROETHANE		2160	0	0.04	143490	1.927	0		0	40			
TETRACHLOROETHENE		74726	0	0.04	143490	1.792	0		0	40			
1,3-Dichloropropane		979	0	0.04	143490	3.862	0		0	40			
2-HEXANONE		2734	0	0.04	143490	0.896	0		0	40			
CHLORODIBROMOMETHANE		0	0	0.04	143490	2.268	0		0	40			
1,2-DIBROMOETHANE		0	0	0.04	143490	2.06	0		0	40			
CHLOROBENZENE		873	0	0.04	143490	6.646	0		0	30			
1,1,1,2-TETRACHLOROETHANE		4112	0	0.04	143490	2.174	0		0	40			
ETHYLBENZENE		1152	0	0.04	143490	3.67	0		0	30			
M&P-XYLENE		4117	0	0.04	143490	4.44	0		0	40			
O-XYLENE		1628	0	0.04	143490	4.495	0		0	40			
XYLENES, TOTAL		5745	0	0.04	363922	0	0		0	40			
STYRENE		1281	0	0.04	143490	6.869	0		0	40			
Bromoform		0	0	0.04	143490	1.376	0		0	30			
Isopropylbenzene		1558	0	0.04	143490	11.13	0		0	40			
Bromobenzene		49304	0	0.04	143490	4.962	0		0	40			
1,1,2,2-TETRACHLOROETHANE		615	0	0.04	143490	2.689	0		0	30			
1,2,3-TRICHLOROPROPANE		0	0	0.04	143490	0.751	0		0	40			
TRANS-1,4-DICHLORO-2-BUTENE		12480	0	0.04	143490	0.747	0		0	40			
n-Propylbenzene		2375	0	0.04	143490	13.13	0		0	40			
4-ETHYLTOLUENE		4422	0	0.04	143490	10.5	0		0	40			
2-Chlorotoluene		0	0	0.04	143490	2.674	0		0	40			
4-Chlorotoluene		1359	0	0.04	143490	7.783	0		0	40			
1,3,5-Trimethylbenzene		2295	0	0.04	143490	9.16	0		0	40			
tert-Butylbenzene		200837	0	0.04	143490	7.761	0		0	40			
1,2,4-Trimethylbenzene		4938	0	0.04	143490	9.049999	0		0	40			
sec-Butylbenzene		1714	0	0.04	143490	12.11	0		0	40			
1,3-DICHLOROBENZENE		727	0	0.04	143490	4.707	0		0	40			
p-Isopropyltoluene		1628	0	0.04	143490	9.73	0		0	40			
DICYCLOPENTADIENE		1274	0	0.04	143490	11.32	0		0	40			
1,4-DICHLOROBENZENE		1346	0	0.04	363922	1.904	0		0	40			
1,2,3-TRIMETHYLBENZENE		3283	0	0.04	363922	3.852	0		0	40			
1,2-DICHLOROBENZENE		665	0	0.04	363922	1.711	0		0	40			
n-Butylbenzene		1245	0	0.04	363922	3.529	0		0	40			

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/12/14 0209 | ICal Method : 6200
Lab File ID : 0711_31 | Quant Method : V823G11N | ICal Protocol : SM 20th

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
1,2-Dibromo-3-chloropropane		0	0	0.04	363922	0.196	0		0	40			
1,2,4-Trichlorobenzene		658	0	0.04	363922	1.15	0		0	40			
HEXACHLORO-1,3-BUTADIENE		0	0	0.04	363922	0.626	0		0	40			
Naphthalene		3024	0	0.04	363922	2.763	0		0	40			
1,2,3-Trichlorobenzene		510	0	0.04	363922	1.065	0		0	40			
1-Methylnaphthalene		2250	0	0.04	363922	1.465	0		0	40			
2-Methylnaphthalene		1772	0	0.04	363922	1.188	0		0	40			
ETHANOL		84143	1	0.04	465290	0.007	0.007233596		3.34	40	101	50	150
Bromoethane		70621	0.01	0.04	465290	0.605	0.6071138		0.349	40	100		
2-PROPANOL		24668	0.05	0.04	465290	0.044	0.04241312		3.61	40	95.9		
Methyl Acetate		1241682	0.2	0.04	465290	0.54	0.5337239		1.16	40	98.8		
ACETONITRILE		448195	0.5	0.04	465290	0.078	0.07706076		1.2	40	99		
ALLYL CHLORIDE		237448	0.05	0.04	465290	0.406	0.4082581		0.556	40	100		
tert-BUTYL ALCOHOL		49535	0.05	0.04	465290	0.086	0.08516838		0.967	40	98.5	50	150
chloroprene		708407	0.05	0.04	465290	1.214	1.218005		0.33	40	100		
ETHYL TERT-BUTYL ETHER		281860	0.01	0.04	465290	2.372	2.423091		2.15	40	102	50	150
PROPIONITRILE		561491	0.5	0.04	465290	0.098	0.09654039		1.49	40	99		
Ethyl Acetate		700394	0.1	0.04	465290	0.606	0.6021139		0.641	40	99.3		
METHACRYLONITRILE		1665123	0.5	0.04	465290	0.287	0.2862942		0.246	40	99.8		
Cyclohexane		120397	0.01	0.04	465290	1.025	1.035028		0.978	40	101		
tert-butyl formate		783370	0.1	0.04	465290	0.678	0.6734467		0.672	40	99.4	50	150
ISOBUTANOL		514470	1	0.04	465290	0.046	0.0442279		3.85	40	96		
t-Amyl Alcohol		41497	0.05	0.04	465290	0.068	0.07134819		4.92	40	106	50	150
TERT-AMYL METHYL ETHER		247922	0.01	0.04	465290	2.084	2.131333		2.27	40	102		
N-BUTANOL		566948	2	0.04	810460	0.014	0.01399077		0.0659	40	97.5	50	150
Methyl Cyclohexane		149935	0.01	0.04	810460	0.793	0.7399995		6.68	40	101		
2-nitropropane		128143	0.05	0.04	810460	0.128	0.1264891		1.18	40	98.6		
METHYL METHACRYLATE		362925	0.05	0.04	810460	0.358	0.358241		0.0673	40	99.9		
1,4-DIOXANE		69191	1	0.04	810460	0	0.0034149		0	40	0		
n-octane		69562	0.01	0.04	810460	0.34	0.3433211		0.977	40	101		
3,3-DIMETHYL-1-BUTANOL		82348	0.1	0.04	810460	0.042	0.0406426		3.23	40	96.7		
ETHYL METHACRYLATE		514189	0.05	0.04	143490	2.895	2.866759		0.976	40	99		
CIS-1,4-DICHLORO-2-BUTENE		136098	0.05	0.04	143490	0.784	0.7587873		3.22	40	96.8		
Cyclohexanone		182957	0.1	0.04	143490	0.493	0.5100202		3.45	40	103	50	150
PENTACHLOROETHANE		207453	0.05	0.04	143490	1.323	1.156613		12.6	40	87.4	50	150
Hexachloroethane		65932	0.01	0.04	143490	1.827	1.837954		0.6	40	101		

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	465290	333000	618000	3.91		
8260-1,4-DIFLUOROBENZENE	810460	544000	1010000	4.24		

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/12/14 0209	ICal Method	: 6200
Lab File ID	: 0711_31	Quant Method	: V823G11N	ICal Protocol	: SM 20th

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	143490	95800	178000	5.39		
8260-1,4-DICHLOROBENZENE-D4	363922	246000	457000	7.8		
AP9-PENTAFLUOROBENZENE	465290	331000	615000	3.91		
AP9-1,4-DIFLUOROBENZENE	810460	573000	1060000	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	143490	100000	186000	5.39		
AP9-1,4-DICHLOROBENZENE-D4	363922	257000	477000	7.8		

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SSCV Summary Report

Instrument ID : VOCMS23
Lab File ID : 0711_31
Analysis Date : 07/12/14 0209
Quant Method : V823G11N
ICal Method : 8260C
ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
PROPENE		1453	0	0.04	465290	0.227	0		0	40			
DICHLORODIFLUOROMETHANE		0	0	0.04	465290	0.65	0		0	40			
CHLOROMETHANE		4903	0	0.04	465290	1.115	0		0	30			
VINYL CHLORIDE		0	0	0.04	465290	1.179	0		0	30			
1,3-BUTADIENE		9142	0	0.04	465290	0.96	0		0	40			
BROMOMETHANE		1204	0	0.04	465290	0.614	0		0	40			
CHLOROETHANE		0	0	0.04	465290	0.207	0		0	40			
TRICHLOROFLUOROMETHANE		0	0	0.04	465290	1.021	0		0	40			
DICHLOROFLUOROMETHANE		849	0	0.04	465290	1.462	0		0	40			
ETHYL ETHER		641	0	0.04	465290	0.733	0		0	40			
ACROLEIN		1465	0	0.04	465290	0.129	0		0	40			
1,1-DICHLOROETHENE		0	0	0.04	465290	1.449	0		0	30			
1,1,2-TRICHLOROTRIFLUOROETHANE		0	0	0.04	465290	0.805	0		0	40			
ACETONE		5602	0	0.04	465290	0.197	0		0	40			
IODOMETHANE		1799	0	0.04	465290	1.381	0		0	40			
CARBON DISULFIDE		4467	0	0.04	465290	3.346	0		0	40			
METHYLENE CHLORIDE		10155	0	0.04	465290	0.934	0		0	40			
ACRYLONITRILE		708407	0	0.04	465290	0.25	0		0	40			
n-Hexane		1333	0	0.04	465290	0.852	0		0	40			
TRANS-1,2-DICHLOROETHENE		643	0	0.04	465290	0.821	0		0	40			
METHYL TERT-BUTYL ETHER		1381	0	0.04	465290	2.184	0		0	40			
1,1-DICHLOROETHANE		11043	0	0.04	465290	1.568	0		0	30			
VINYL ACETATE		30688	0	0.04	465290	1.622	0		0	40			
DI-ISOPROPYL ETHER		965	0	0.04	465290	2.857	0		0	40			
2,2-Dichloropropane		1419	0	0.04	465290	0.868	0		0	40			
CIS-1,2-DICHLOROETHENE		744	0	0.04	465290	0.832	0		0	40			
2-BUTANONE (MEK)		129714	0	0.04	465290	0.32	0		0	40			
BROMOCHLOROMETHANE		554	0	0.04	465290	0.507	0		0	40			
TETRAHYDROFURAN		1567	0	0.04	465290	0.246	0		0	40			
CHLOROFORM		20530	0	0.04	465290	1.492	0		0	30			
1,1,1-TRICHLOROETHANE		0	0	0.04	465290	1.075	0		0	40			
CARBON TETRACHLORIDE		516	0	0.04	465290	1.103	0		0	40			
1,1-Dichloropropene		0	0	0.04	465290	1.18	0		0	40			
2,2,4-TRIMETHYLPENTANE		653555	0	0.04	465290	3.719	0		0	40			
HEPTANE		129714	0	0.04	465290	1.582	0		0	40			
BENZENE		3313	0	0.04	465290	3.235	0		0	40			
1,2-DICHLOROETHANE		43731	0	0.04	465290	0.994	0		0	40			
TRICHLOROETHENE		7426	0	0.04	810460	0.432	0		0	40			
1,2-DICHLOROPROPANE		8212	0	0.04	810460	0.344	0		0	30			
DIBROMOMETHANE		0	0	0.04	810460	0.251	0		0	40			

SSCV Summary Report

Instrument ID : VOCMS23 | Analysis Date : 07/12/14 0209 | ICal Method : 8260C
Lab File ID : 0711_31 | Quant Method : V823G11N | ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
BROMODICHLOROMETHANE		582	0	0.04	810460	0.591	0		0	40			
2-CHLOROETHYL VINYL ETHER		0	0	0.04	810460	0.188	0		0	40			
CIS-1,3-DICHLOROPROPENE		560	0	0.04	810460	0.756	0		0	40			
4-METHYL-2-PENTANONE (MIBK)		1209	0	0.04	810460	0.168	0		0	40			
TOLUENE		9664	0	0.04	810460	1.891	0		0	30			
TRANS-1,3-DICHLOROPROPENE		0	0	0.04	810460	0.153	0		0	40			
1,1,2-TRICHLOROETHANE		2160	0	0.04	143490	1.927	0		0	40			
TETRACHLOROETHENE		74726	0	0.04	143490	1.792	0		0	40			
1,3-Dichloropropane		979	0	0.04	143490	3.862	0		0	40			
2-HEXANONE		2734	0	0.04	143490	0.896	0		0	40			
CHLORODIBROMOMETHANE		0	0	0.04	143490	2.268	0		0	40			
1,2-DIBROMOETHANE		0	0	0.04	143490	2.06	0		0	40			
CHLOROBENZENE		873	0	0.04	143490	6.646	0		0	30			
1,1,1,2-TETRACHLOROETHANE		4112	0	0.04	143490	2.174	0		0	40			
ETHYLBENZENE		1152	0	0.04	143490	3.67	0		0	30			
M&P-XYLENE		4117	0	0.04	143490	4.44	0		0	40			
O-XYLENE		1628	0	0.04	143490	4.495	0		0	40			
XYLENES, TOTAL		5745	0	0.04	363922	0	0		0	40			
STYRENE		1281	0	0.04	143490	6.869	0		0	40			
Bromoform		0	0	0.04	143490	1.376	0		0	30			
Isopropylbenzene		1558	0	0.04	143490	11.13	0		0	40			
Bromobenzene		49304	0	0.04	143490	4.962	0		0	40			
1,1,2,2-TETRACHLOROETHANE		615	0	0.04	143490	2.689	0		0	30			
1,2,3-TRICHLOROPROPANE		0	0	0.04	143490	0.751	0		0	40			
TRANS-1,4-DICHLORO-2-BUTENE		12480	0	0.04	143490	0.747	0		0	40			
n-Propylbenzene		2375	0	0.04	143490	13.13	0		0	40			
4-ETHYLTOLUENE		4422	0	0.04	143490	10.5	0		0	40			
2-Chlorotoluene		0	0	0.04	143490	2.674	0		0	40			
4-Chlorotoluene		1359	0	0.04	143490	7.783	0		0	40			
1,3,5-Trimethylbenzene		2295	0	0.04	143490	9.16	0		0	40			
tert-Butylbenzene		200837	0	0.04	143490	7.761	0		0	40			
1,2,4-Trimethylbenzene		4938	0	0.04	143490	9.049999	0		0	40			
sec-Butylbenzene		1714	0	0.04	143490	12.11	0		0	40			
1,3-DICHLOROBENZENE		727	0	0.04	143490	4.707	0		0	40			
p-Isopropyltoluene		1628	0	0.04	143490	9.73	0		0	40			
DICYCLOPENTADIENE		1274	0	0.04	143490	11.32	0		0	40			
1,4-DICHLOROBENZENE		1346	0	0.04	363922	1.904	0		0	40			
1,2,3-TRIMETHYLBENZENE		3283	0	0.04	363922	3.852	0		0	40			
1,2-DICHLOROBENZENE		665	0	0.04	363922	1.711	0		0	40			
n-Butylbenzene		1245	0	0.04	363922	3.529	0		0	40			

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/12/14 0209	ICal Method	: 8260C
Lab File ID	: 0711_31	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
1,2-Dibromo-3-chloropropane		0	0	0.04	363922	0.196	0		0	40			
1,2,4-Trichlorobenzene		658	0	0.04	363922	1.15	0		0	40			
HEXACHLORO-1,3-BUTADIENE		0	0	0.04	363922	0.626	0		0	40			
Naphthalene		3024	0	0.04	363922	2.763	0		0	40			
1,2,3-Trichlorobenzene		510	0	0.04	363922	1.065	0		0	40			
1-Methylnaphthalene		2250	0	0.04	363922	1.465	0		0	40			
2-Methylnaphthalene		1772	0	0.04	363922	1.188	0		0	40			
ETHANOL		84143	1	0.04	465290	0.007	0.007233596		3.34	40	101	50	150
Bromoethane		70621	0.01	0.04	465290	0.605	0.6071138		0.349	40	100	70	130
2-PROPANOL		24668	0.05	0.04	465290	0.044	0.04241312		3.61	40	95.9	70	130
Methyl Acetate		1241682	0.2	0.04	465290	0.54	0.5337239		1.16	40	98.8	70	130
ACETONITRILE		448195	0.5	0.04	465290	0.078	0.07706076		1.2	40	99	70	130
ALLYL CHLORIDE		237448	0.05	0.04	465290	0.406	0.4082581		0.556	40	100	70	130
tert-BUTYL ALCOHOL		49535	0.05	0.04	465290	0.086	0.08516838		0.967	40	98.5	50	150
chloroprene		708407	0.05	0.04	465290	1.214	1.218005		0.33	40	100	70	130
ETHYL TERT-BUTYL ETHER		281860	0.01	0.04	465290	2.372	2.423091		2.15	40	102	50	150
PROPIONITRILE		561491	0.5	0.04	465290	0.098	0.09654039		1.49	40	99	70	130
Ethyl Acetate		700394	0.1	0.04	465290	0.606	0.6021139		0.641	40	99.3	70	130
METHACRYLONITRILE		1665123	0.5	0.04	465290	0.287	0.2862942		0.246	40	99.8	70	130
Cyclohexane		120397	0.01	0.04	465290	1.025	1.035028		0.978	40	101	70	130
tert-butyl formate		783370	0.1	0.04	465290	0.678	0.6734467		0.672	40	99.4	50	150
ISOBUTANOL		514470	1	0.04	465290	0.046	0.0442279		3.85	40	96	70	130
t-Amyl Alcohol		41497	0.05	0.04	465290	0.068	0.07134819		4.92	40	106	50	150
TERT-AMYL METHYL ETHER		247922	0.01	0.04	465290	2.084	2.131333		2.27	40	102	70	130
N-BUTANOL		566948	2	0.04	810460	0.014	0.01399077		0.0659	40	97.5	50	150
Methyl Cyclohexane		149935	0.01	0.04	810460	0.793	0.7399995		6.68	40	101	70	130
2-nitropropane		128143	0.05	0.04	810460	0.128	0.1264891		1.18	40	98.6	70	130
METHYL METHACRYLATE		362925	0.05	0.04	810460	0.358	0.358241		0.0673	40	99.9	70	130
1,4-DIOXANE		69191	1	0.04	810460	0	0.0034149		0	40	0	70	130
n-octane		69562	0.01	0.04	810460	0.34	0.3433211		0.977	40	101	70	130
3,3-DIMETHYL-1-BUTANOL		82348	0.1	0.04	810460	0.042	0.0406426		3.23	40	96.7	70	130
ETHYL METHACRYLATE		514189	0.05	0.04	143490	2.895	2.866759		0.976	40	99	70	130
CIS-1,4-DICHLORO-2-BUTENE		136098	0.05	0.04	143490	0.784	0.7587873		3.22	40	96.8	70	130
Cyclohexanone		182957	0.1	0.04	143490	0.493	0.5100202		3.45	40	103	50	150
PENTACHLOROETHANE		207453	0.05	0.04	143490	1.323	1.156613		12.6	40	87.4	50	150
Hexachloroethane		65932	0.01	0.04	143490	1.827	1.837954		0.6	40	101	70	130

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	465290	0	0	3.91		
8260-1,4-DIFLUOROBENZENE	810460	0	0	4.24		

SSCV Summary Report

Instrument ID	: VOCMS23	Analysis Date	: 07/12/14 0209	ICal Method	: 8260C
Lab File ID	: 0711_31	Quant Method	: V823G11N	ICal Protocol	: SW846

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-2-BROMO-1-CHLOROPROPANE	143490	0	0	5.39		
8260-1,4-DICHLOROBENZENE-D4	363922	0	0	7.8		
AP9-PENTAFLUOROBENZENE	465290	235000	940000	3.91		
AP9-1,4-DIFLUOROBENZENE	810460	404000	1620000	4.24		
AP9-2-BROMO-1-CHLOROPROPANE	143490	70900	283000	5.39		
AP9-1,4-DICHLOROBENZENE-D4	363922	182000	727000	7.8		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 31.D
Acq On : 12 Jul 2014 2:09 am
Operator : 644
Sample : SSCV VMS 10a PPB 14B14475
Misc : water IS/SURR14F17495
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:21:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	465290	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	810460	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	143490	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	363922	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	465290	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	810460	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	143490	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	363922	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.670	111	255321	38.5630153 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 96.41%		
46) a,a,a-Trifluorotoluene	4.605	146	453247	40.8772780 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.19%		
50) TOLUENE-D8	5.065	98	1029866	39.6857278 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 99.21%		
68) 4-BROMOFLUOROBENZENE	6.952	95	374830	39.4983563 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 98.75%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -11878862		No Calib	
3) PROPENE	1.409	41	1453	0.5506680 ppb #	78
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.599	50	4903	0.3781766 ppb #	82
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.647	39	9142	0.8182999 ppb	86
8) BROMOMETHANE	1.888	94	1204	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	2.084	67	849	N.D.	
12) ETHYL ETHER	2.219	59	641	N.D.	
13) ACROLEIN	2.554	56	1465	0.9753098 ppb	89
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.711	43	5602	2.4394545 ppb #	73
17) IODOMETHANE	2.445	142	1799	N.D.	
18) CARBON DISULFIDE	2.383	76	4467	N.D.	
19) METHYLENE CHLORIDE	2.689	84	10155	0.9346612 ppb	98
20) ACRYLONITRILE	3.113	53	708407	243.3694362 ppb #	50
21) n-Hexane	2.818	56	1333	N.D.	
22) TRANS-1,2-DICHLOROETHENE	2.731	96	643	N.D.	
23) METHYL TERT-BUTYL ETHER	2.834	73	1381	N.D.	
24) 1,1-DICHLOROETHANE	3.113	63	11043	0.6054212 ppb #	52
25) VINYL ACETATE	3.236	43	30688	1.6266484 ppb #	75
26) DI-ISOPROPYL ETHER	3.039	45	965	N.D.	
27) 2,2-Dichloropropane	3.554	77	1419	N.D.	
28) CIS-1,2-DICHLOROETHENE	3.432	96	744	N.D.	
29) 2-BUTANONE (MEK)	3.811	43	129714	34.8493553 ppb #	47
30) BROMOCHLOROMETHANE	3.541	130	554	N.D.	
31) TETRAHYDROFURAN	3.663	42	1567	0.5480051 ppb #	77
32) CHLOROFORM	3.567	83	20530	1.1827581 ppb #	72
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	3.663	117	516	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 31.D
Acq On : 12 Jul 2014 2:09 am
Operator : 644
Sample : SSCV VMS 10a PPB 14B14475
Misc : water IS/SURR14F17495
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:21:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.811	57	653555	15.1060003 ppb #	1
38) HEPTANE	3.811	43	129714	7.0485193 ppb #	26
39) BENZENE	3.904	78	3313	N.D.	
40) 1,2-DICHLOROETHANE	3.914	62	43731	3.7829496 ppb #	18
42) TRICHLOROETHENE	4.232	130	7426	0.8475486 ppb #	77
43) 1,2-DICHLOROPROPANE	4.605	62	8212	1.1767274 ppb #	52
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.570	83	582	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.949	75	560	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.313	58	1209	0.3555538 ppb	89
51) TOLUENE	5.097	91	9664	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.428	97	2160	0.3125289 ppb #	1
55) TETRACHLOROETHENE	5.354	164	74726	11.6246910 ppb	99
56) 1,3-Dichloropropane	5.647	76	979	N.D.	
57) 2-HEXANONE	5.833	58	2734	0.8510614 ppb #	1
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.104	112	873	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	4112	0.5273025 ppb #	100
62) ETHYLBENZENE	6.110	106	1152	N.D.	
63) M&P-XYLENE	6.210	106	4117	N.D.	
64) O-XYLENE	6.515	106	1628	N.D.	
65) STYRENE	6.554	104	1281	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.737	105	1558	N.D.	
69) Bromobenzene	6.991	77	49304	2.7696422 ppb #	27
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	615	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.232	53	12480	4.6571760 ppb #	55
73) n-Propylbenzene	7.039	91	2375	N.D.	
74) 4-ETHYLTOLUENE	7.116	105	4422	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.293	91	1359	N.D.	
77) 1,3,5-Trimethylbenzene	7.181	105	2295	N.D.	
78) tert-Butylbenzene	7.457	119	200837	7.2133753 ppb #	32
79) 1,2,4-Trimethylbenzene	7.483	105	4938	N.D.	
80) sec-Butylbenzene	7.567	105	1714	N.D.	
81) 1,3-DICHLOROBENZENE	7.750	146	727	N.D.	
82) p-Isopropyltoluene	7.673	119	1628	N.D.	
83) DICYCLOPENTADIENE	7.666	66	1274	N.D.	
85) 1,4-DICHLOROBENZENE	7.814	146	1346	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	3283	N.D.	
87) 1,2-DICHLOROBENZENE	8.155	146	665	N.D.	
88) n-Butylbenzene	8.010	91	1245	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	658	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.628	128	3024	N.D.	
93) 1,2,3-Trichlorobenzene	9.782	180	510	N.D.	
94) 1-Methylnaphthalene	10.496	142	2250	N.D.	
95) 2-Methylnaphthalene	10.615	142	1772	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 31.D
Acq On : 12 Jul 2014 2:09 am
Operator : 644
Sample : SSCV VMS 10a PPB 14B14475
Misc : water IS/SURR14F17495
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:21:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

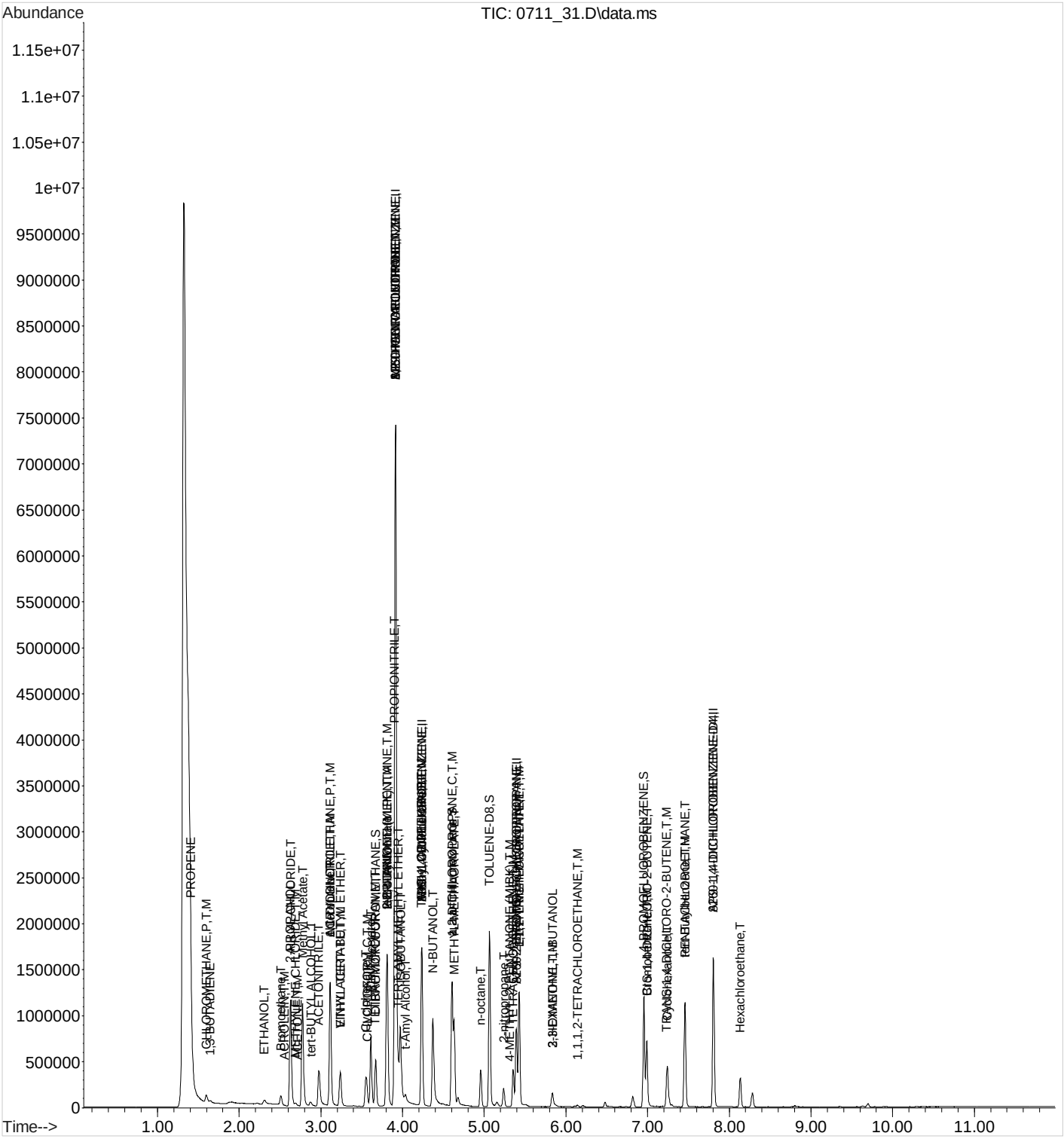
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.306	45	84143	1011.8535083 ppb	#	88
98)	Bromoethane	2.512	108	70621	10.0401336 ppb		98
99)	2-PROPANOL	2.625	45	24668	47.9656120 ppb		96
100)	Methyl Acetate	2.776	43	1241682	197.5634875 ppb	#	97
101)	ACETONITRILE	2.975	41	448195	494.7529867 ppb		100
102)	ALLYL CHLORIDE	2.628	76	237448	50.2191156 ppb		93
103)	tert-BUTYL ALCOHOL	2.875	59	49535	49.2698379 ppb		96
104)	chloroprene	3.113	53	708407	50.1579535 ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	281860	10.2135638 ppb		99
106)	PROPIONITRILE	3.901	54	561491	495.0281885 ppb		97
107)	Ethyl Acetate	3.612	43	700394	99.2883667 ppb		99
108)	METHACRYLONITRILE	3.914	67	1665123	499.1770724 ppb		98
109)	Cyclohexane	3.554	84	120397	10.1005482 ppb		97
110)	tert-butyl formate	3.811	59	783370	99.3873148 ppb		92
111)	ISOBUTANOL	3.975	43	514470	959.8469747 ppb		93
112)	t-Amyl Alcohol	4.036	59	41497	52.7744230 ppb		98
113)	TERT-AMYL METHYL ETHER	3.946	73	247922	10.2272842 ppb	#	96
115)	N-BUTANOL	4.371	56	566948	1950.6914374 ppb		96
116)	Methyl Cyclohexane	4.235	83	149935	10.1239351 ppb		98
117)	2-nitropropane	5.239	43	128143	49.3132536 ppb		95
118)	METHYL METHACRYLATE	4.631	41	362925	49.9744276 ppb		99
119)	1,4-DIOXANE	4.679	88	69191	No Calib	#	
120)	n-octane	4.959	85	69562	10.0926643 ppb		89
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	82348	96.7301849 ppb		95
123)	ETHYL METHACRYLATE	5.428	69	514189	49.5073430 ppb		98
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	136098	48.3877245 ppb		97
125)	Cyclohexanone	7.242	55	182957	103.4796712 ppb		96
126)	PENTACHLOROETHANE	7.457	117	207453	43.7096510 ppb		92
127)	Hexachloroethane	8.136	117	65932	10.0611429 ppb		99

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 31.D
Acq On : 12 Jul 2014 2:09 am
Operator : 644
Sample : SSCV VMS 10a PPB 14B14475
Misc : water IS/SURR14F17495
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:21:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 31.D
Acq On : 12 Jul 2014 2:09 am
Operator : 644
Sample : SSCV VMS 10a PPB 14B14475
Misc : water IS/SURR14F17495
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:21:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	465290	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	810460	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	143490	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	363922	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	465290	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	810460	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	143490	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	363922	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.670	111	255321	38.5630153 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 96.41%		
46) a,a,a-Trifluorotoluene	4.605	146	453247	40.8772780 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.19%		
50) TOLUENE-D8	5.065	98	1029866	39.6857278 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 99.21%		
68) 4-BROMOFLUOROBENZENE	6.952	95	374830	39.4983563 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 98.75%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -11878862		No Calib	
3) PROPENE	1.409	41	1453	0.5506680 ppb #	78
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.599	50	4903	0.3781766 ppb #	82
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.647	39	9142	0.8182999 ppb	86
8) BROMOMETHANE	1.888	94	1204	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	2.084	67	849	N.D.	
12) ETHYL ETHER	2.219	59	641	N.D.	
13) ACROLEIN	2.554	56	1465	0.9753098 ppb	89
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.711	43	5602	2.4394545 ppb #	73
17) IODOMETHANE	2.445	142	1799	N.D.	
18) CARBON DISULFIDE	2.383	76	4467	N.D.	
19) METHYLENE CHLORIDE	2.689	84	10155	0.9346612 ppb	98
20) ACRYLONITRILE	3.113	53	708407	243.3694362 ppb #	50
21) n-Hexane	2.818	56	1333	N.D.	
22) TRANS-1,2-DICHLOROETHENE	2.731	96	643	N.D.	
23) METHYL TERT-BUTYL ETHER	2.834	73	1381	N.D.	
24) 1,1-DICHLOROETHANE	3.113	63	11043	0.6054212 ppb #	52
25) VINYL ACETATE	3.236	43	30688	1.6266484 ppb #	75
26) DI-ISOPROPYL ETHER	3.039	45	965	N.D.	
27) 2,2-Dichloropropane	3.554	77	1419	N.D.	
28) CIS-1,2-DICHLOROETHENE	3.432	96	744	N.D.	
29) 2-BUTANONE (MEK)	3.811	43	129714	34.8493553 ppb #	47
30) BROMOCHLOROMETHANE	3.541	130	554	N.D.	
31) TETRAHYDROFURAN	3.663	42	1567	0.5480051 ppb #	77
32) CHLOROFORM	3.567	83	20530	1.1827581 ppb #	72
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	3.663	117	516	N.D.	

Quantitation Report (QT Reviewed)

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Data File : 0711 31.D
Acq On : 12 Jul 2014 2:09 am
Operator : 644
Sample : SSCV VMS 10a PPB 14B14475
Misc : water IS/SURR14F17495
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:21:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.811	57	653555	15.1060003 ppb #	1
38) HEPTANE	3.811	43	129714	7.0485193 ppb #	26
39) BENZENE	3.904	78	3313	N.D.	
40) 1,2-DICHLOROETHANE	3.914	62	43731	3.7829496 ppb #	18
42) TRICHLOROETHENE	4.232	130	7426	0.8475486 ppb #	77
43) 1,2-DICHLOROPROPANE	4.605	62	8212	1.1767274 ppb #	52
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.570	83	582	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.949	75	560	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.313	58	1209	0.3555538 ppb	89
51) TOLUENE	5.097	91	9664	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.428	97	2160	0.3125289 ppb #	1
55) TETRACHLOROETHENE	5.354	164	74726	11.6246910 ppb	99
56) 1,3-Dichloropropane	5.647	76	979	N.D.	
57) 2-HEXANONE	5.833	58	2734	0.8510614 ppb #	1
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.104	112	873	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	4112	0.5273025 ppb #	100
62) ETHYLBENZENE	6.110	106	1152	N.D.	
63) M&P-XYLENE	6.210	106	4117	N.D.	
64) O-XYLENE	6.515	106	1628	N.D.	
65) STYRENE	6.554	104	1281	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.737	105	1558	N.D.	
69) Bromobenzene	6.991	77	49304	2.7696422 ppb #	27
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	615	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.232	53	12480	4.6571760 ppb #	55
73) n-Propylbenzene	7.039	91	2375	N.D.	
74) 4-ETHYLTOLUENE	7.116	105	4422	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.293	91	1359	N.D.	
77) 1,3,5-Trimethylbenzene	7.181	105	2295	N.D.	
78) tert-Butylbenzene	7.457	119	200837	7.2133753 ppb #	32
79) 1,2,4-Trimethylbenzene	7.483	105	4938	N.D.	
80) sec-Butylbenzene	7.567	105	1714	N.D.	
81) 1,3-DICHLOROBENZENE	7.750	146	727	N.D.	
82) p-Isopropyltoluene	7.673	119	1628	N.D.	
83) DICYCLOPENTADIENE	7.666	66	1274	N.D.	
85) 1,4-DICHLOROBENZENE	7.814	146	1346	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	3283	N.D.	
87) 1,2-DICHLOROBENZENE	8.155	146	665	N.D.	
88) n-Butylbenzene	8.010	91	1245	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	658	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.628	128	3024	N.D.	
93) 1,2,3-Trichlorobenzene	9.782	180	510	N.D.	
94) 1-Methylnaphthalene	10.496	142	2250	N.D.	
95) 2-Methylnaphthalene	10.615	142	1772	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 31.D
Acq On : 12 Jul 2014 2:09 am
Operator : 644
Sample : SSCV VMS 10a PPB 14B14475
Misc : water IS/SURR14F17495
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:21:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

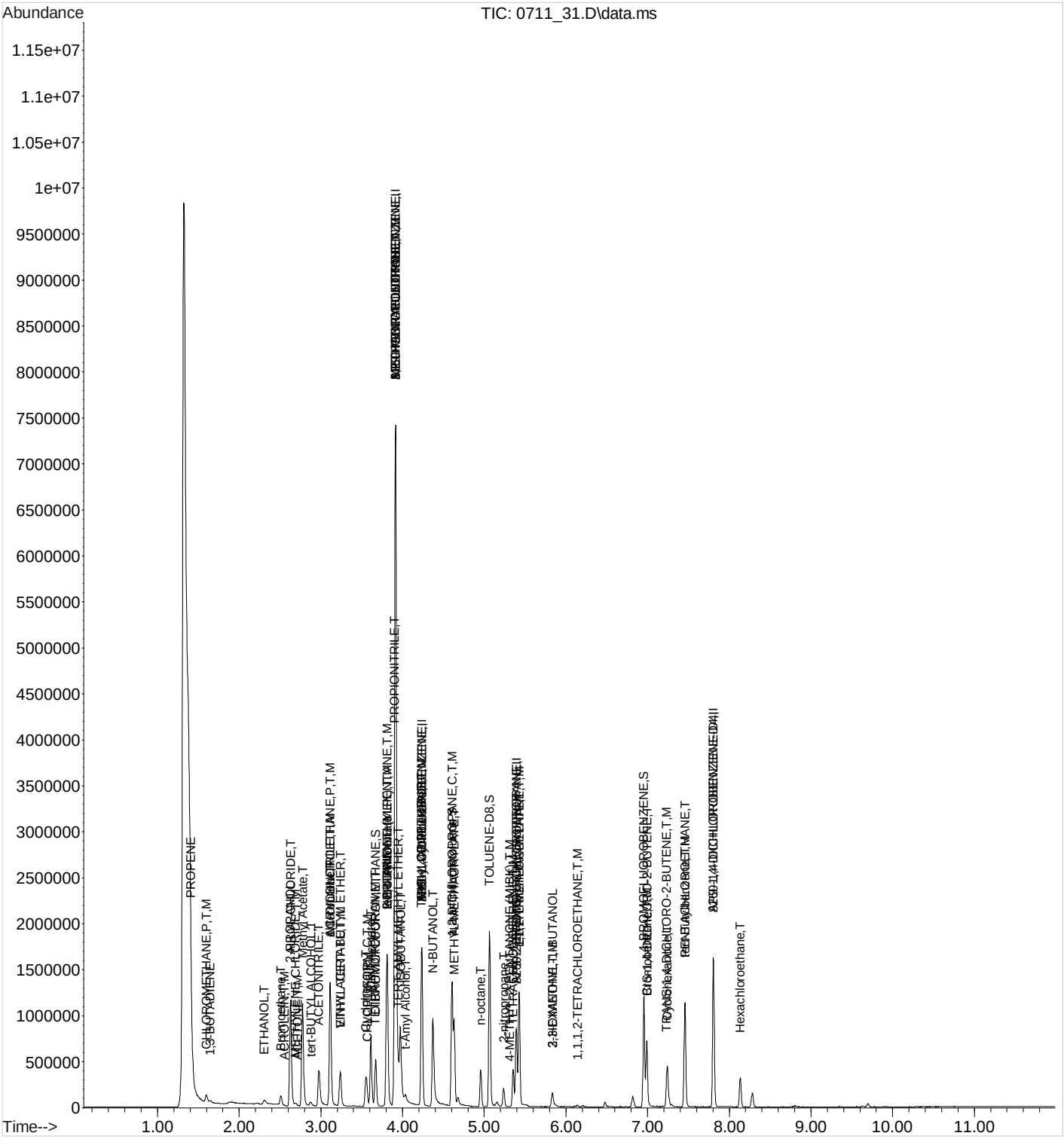
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.306	45	84143	1011.8535083 ppb	#	88
98)	Bromoethane	2.512	108	70621	10.0401336 ppb		98
99)	2-PROPANOL	2.625	45	24668	47.9656120 ppb		96
100)	Methyl Acetate	2.776	43	1241682	197.5634875 ppb	#	97
101)	ACETONITRILE	2.975	41	448195	494.7529867 ppb		100
102)	ALLYL CHLORIDE	2.628	76	237448	50.2191156 ppb		93
103)	tert-BUTYL ALCOHOL	2.875	59	49535	49.2698379 ppb		96
104)	chloroprene	3.113	53	708407	50.1579535 ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	281860	10.2135638 ppb		99
106)	PROPIONITRILE	3.901	54	561491	495.0281885 ppb		97
107)	Ethyl Acetate	3.612	43	700394	99.2883667 ppb		99
108)	METHACRYLONITRILE	3.914	67	1665123	499.1770724 ppb		98
109)	Cyclohexane	3.554	84	120397	10.1005482 ppb		97
110)	tert-butyl formate	3.811	59	783370	99.3873148 ppb		92
111)	ISOBUTANOL	3.975	43	514470	959.8469747 ppb		93
112)	t-Amyl Alcohol	4.036	59	41497	52.7744230 ppb		98
113)	TERT-AMYL METHYL ETHER	3.946	73	247922	10.2272842 ppb	#	96
115)	N-BUTANOL	4.371	56	566948	1950.6914374 ppb		96
116)	Methyl Cyclohexane	4.235	83	149935	10.1239351 ppb		98
117)	2-nitropropane	5.239	43	128143	49.3132536 ppb		95
118)	METHYL METHACRYLATE	4.631	41	362925	49.9744276 ppb		99
119)	1,4-DIOXANE	4.679	88	69191	No Calib	#	
120)	n-octane	4.959	85	69562	10.0926643 ppb		89
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	82348	96.7301849 ppb		95
123)	ETHYL METHACRYLATE	5.428	69	514189	49.5073430 ppb		98
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	136098	48.3877245 ppb		97
125)	Cyclohexanone	7.242	55	182957	103.4796712 ppb		96
126)	PENTACHLOROETHANE	7.457	117	207453	43.7096510 ppb		92
127)	Hexachloroethane	8.136	117	65932	10.0611429 ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 31.D
Acq On : 12 Jul 2014 2:09 am
Operator : 644
Sample : SSCV VMS 10a PPB 14B14475
Misc : water IS/SURR14F17495
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:21:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 07.D
Acq On : 11 Jul 2014 6:08 pm
Operator : 644
Sample : STD VMS 0.25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:03 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	457712	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.239	114	803464	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	143484	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	340673	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	457712	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.239	114	803464	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	143484	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	340673	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	253432	38.5547653 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 96.39%		
46) a,a,a-Trifluorotoluene	4.608	146	449691	40.4339805 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.08%		
50) TOLUENE-D8	5.068	98	1043631	40.4477805 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 101.12%		
68) 4-BROMOFLUOROBENZENE	6.956	95	365764	37.9359160 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 94.84%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7208468m		Below Cal	
3) PROPENE	1.412	41	2759	1.0423412 ppb #	28
4) DICHLORODIFLUOROMETHANE	1.470	85	1775	N.D.	
5) CHLOROMETHANE	1.589	50	3196	N.D.	
6) VINYL CHLORIDE	1.650	62	3332	N.D.	
7) 1,3-BUTADIENE	1.666	39	1436	N.D.	
8) BROMOMETHANE	1.888	94	1691	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	2.055	101	2783	N.D.	
11) DICHLOROFLUOROMETHANE	2.091	67	3351	N.D.	
12) ETHYL ETHER	2.229	59	1990	N.D.	
13) ACROLEIN	2.557	56	2308	1.6139270 ppb	88
14) 1,1-DICHLOROETHENE	2.361	61	3980	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	2.396	101	2205	N.D.	
16) ACETONE	2.715	43	7866	3.4773724 ppb	95
17) IODOMETHANE	2.451	142	17437	1.0410195 ppb #	96
18) CARBON DISULFIDE	2.390	76	13847	0.3662499 ppb #	82
19) METHYLENE CHLORIDE	2.695	84	12200	1.1837120 ppb	97
20) ACRYLONITRILE	3.158	53	2733	0.8960524 ppb #	73
21) n-Hexane	2.833	56	2607	N.D.	
22) TRANS-1,2-DICHLOROETHENE	2.792	96	2152	N.D.	
23) METHYL TERT-BUTYL ETHER	2.840	73	6207	N.D.	
24) 1,1-DICHLOROETHANE	3.129	63	4166	N.D.	
25) VINYL ACETATE	3.252	43	19730	0.9655511 ppb	98
26) DI-ISOPROPYL ETHER	3.039	45	7215	N.D.	
27) 2,2-Dichloropropane	3.489	77	2888	N.D.	
28) CIS-1,2-DICHLOROETHENE	3.435	96	2092	N.D.	
29) 2-BUTANONE (MEK)	3.737	43	4317	1.1247229 ppb #	67
30) BROMOCHLOROMETHANE	3.541	130	1584	N.D.	
31) TETRAHYDROFURAN	3.669	42	1690	0.6158255 ppb #	69
32) CHLOROFORM	3.573	83	16888	1.0146696 ppb	98
34) 1,1,1-TRICHLOROETHANE	3.702	97	3014	N.D.	
35) CARBON TETRACHLORIDE	3.669	117	2984	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 07.D
Acq On : 11 Jul 2014 6:08 pm
Operator : 644
Sample : STD VMS 0.25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:03 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.769	75	3179	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	9969	N.D.	
38) HEPTANE	3.862	43	3885	N.D.	
39) BENZENE	3.907	78	8960	N.D.	
40) 1,2-DICHLOROETHANE	4.017	62	2603	N.D.	
42) TRICHLOROETHENE	4.235	130	1902	N.D.	
43) 1,2-DICHLOROPROPANE	4.541	62	1434	N.D.	
44) DIBROMOMETHANE	4.489	93	1027	N.D.	
45) BROMODICHLOROMETHANE	4.573	83	2534	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	4.895	63	4378	1.1195926 ppb #	94
48) CIS-1,3-DICHLOROPROPENE	4.949	75	3697	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.322	58	4549	1.2993818 ppb	74
51) TOLUENE	5.100	91	11174	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	661	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.464	97	1462	N.D.	
55) TETRACHLOROETHENE	5.354	164	1414	N.D.	
56) 1,3-Dichloropropane	5.647	76	3914	N.D.	
57) 2-HEXANONE	5.872	58	4056	1.2187393 ppb	79
58) CHLORODIBROMOMETHANE	5.589	129	2038	N.D.	
59) 1,2-DIBROMOETHANE	5.759	107	1987	N.D.	
60) CHLOROBENZENE	6.107	112	5618	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	1643	N.D.	
62) ETHYLBENZENE	6.110	106	2920	N.D.	
63) M&P-XYLENE	6.210	106	6967	0.4180992 ppb	96
64) O-XYLENE	6.518	106	4466	N.D.	
65) STYRENE	6.557	104	5597	N.D.	
66) Bromoform	6.589	173	976	N.D.	
67) Isopropylbenzene	6.737	105	8547	N.D.	
69) Bromobenzene	7.042	77	3922	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	2070	N.D.	
71) 1,2,3-TRICHLOROPROPANE	7.203	110	512	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	652	N.D.	
73) n-Propylbenzene	7.046	91	10453	N.D.	
74) 4-ETHYLTOLUENE	7.126	105	8633	N.D.	
75) 2-Chlorotoluene	7.174	126	2252	N.D.	
76) 4-Chlorotoluene	7.300	91	6275	N.D.	
77) 1,3,5-Trimethylbenzene	7.184	105	7160	N.D.	
78) tert-Butylbenzene	7.431	119	6386	N.D.	
79) 1,2,4-Trimethylbenzene	7.486	105	6975	N.D.	
80) sec-Butylbenzene	7.566	105	9756	N.D.	
81) 1,3-DICHLOROBENZENE	7.756	146	3601	N.D.	
82) p-Isopropyltoluene	7.673	119	7502	N.D.	
83) DICYCLOPENTADIENE	7.673	66	7646	N.D.	
85) 1,4-DICHLOROBENZENE	7.820	146	4139	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	9191	N.D.	
87) 1,2-DICHLOROBENZENE	8.155	146	3257	N.D.	
88) n-Butylbenzene	8.010	91	6721	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.361	180	2522	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	1099	N.D.	
92) Naphthalene	9.627	128	6656	N.D.	
93) 1,2,3-Trichlorobenzene	9.782	180	2343	N.D.	
94) 1-Methylnaphthalene	10.496	142	3156	N.D.	
95) 2-Methylnaphthalene	10.615	142	2683	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 07.D
Acq On : 11 Jul 2014 6:08 pm
Operator : 644
Sample : STD VMS 0.25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:03 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

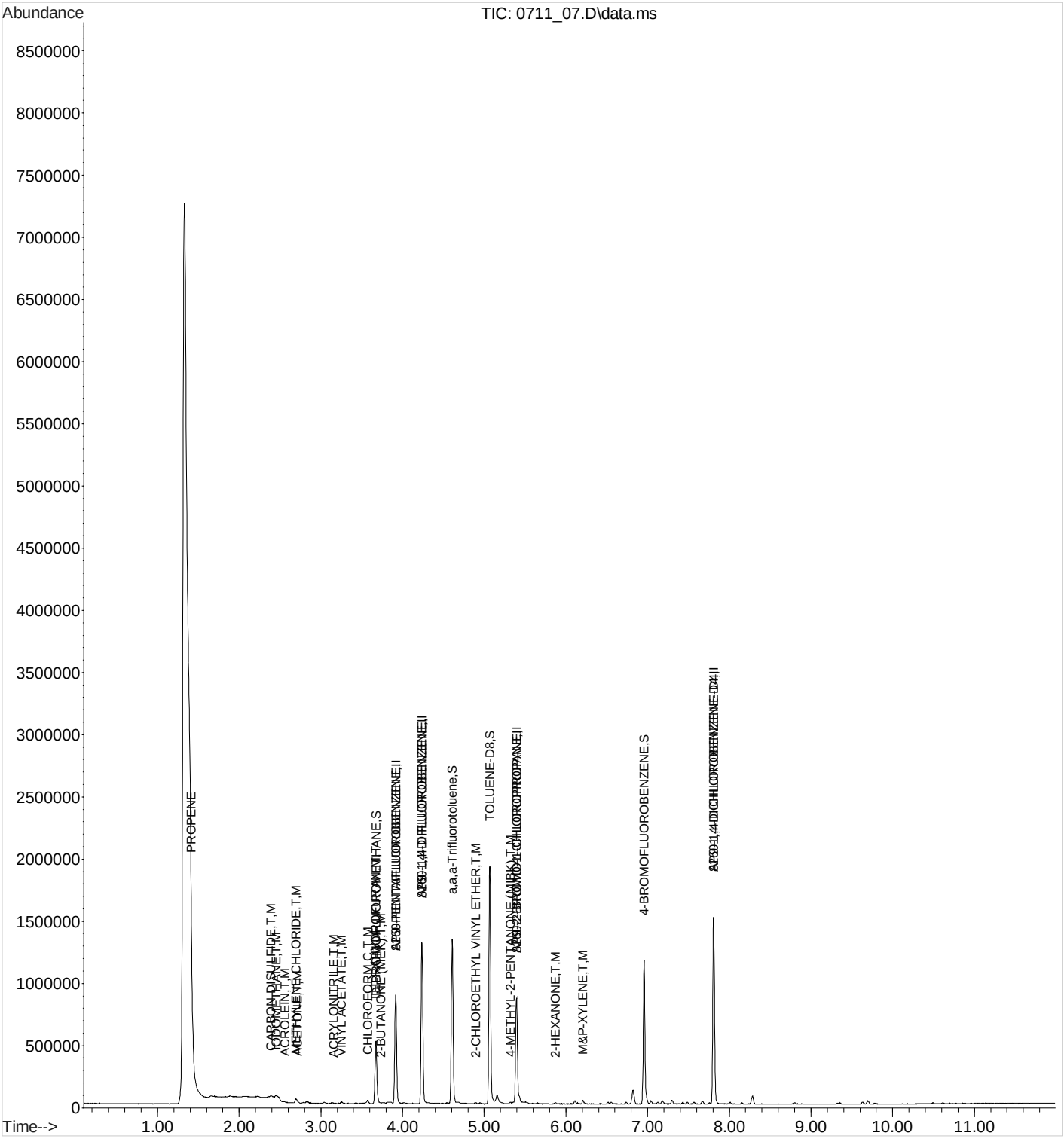
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.621	45	511	No Calib	#
100)	Methyl Acetate	2.827	43	4708	No Calib	#
101)	ACETONITRILE	0.000		0	N.D.	
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.879	59	1243	No Calib	#
104)	chloroprene	3.158	53	2733	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	0.000		0	N.D.	
108)	METHACRYLONITRILE	3.914	67	1921	No Calib	#
109)	Cyclohexane	3.570	84	753	No Calib	#
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	4.004	43	521	No Calib	#
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.911	73	1289	No Calib	#
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.239	83	9856	No Calib	#
117)	2-nitropropane	5.235	43	612	No Calib	#
118)	METHYL METHACRYLATE	4.544	41	1345	No Calib	#
119)	1,4-DIOXANE	4.682	88	4508	No Calib	#
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.830	57	651	No Calib	#
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.380	117	538	No Calib	#
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 07.D
Acq On : 11 Jul 2014 6:08 pm
Operator : 644
Sample : STD VMS 0.25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:03 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 07.D
Acq On : 11 Jul 2014 6:08 pm
Operator : 644
Sample : STD VMS 0.25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:50:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
	Internal Standards					
1)	8260-PENTAFLUOROBENZENE	3.917	168	457712	40.0000000 ppb	0.00
41)	8260-1,4-DIFLUOROBENZENE	4.239	114	803464	40.0000000 ppb	0.00
53)	8260-2-BROMO-1-CHLOROP...	5.396	79	143484	40.0000000 ppb	0.00
84)	8260-1,4-DICHLOROBENZE...	7.808	152	340673	40.0000000 ppb	0.00
96)	AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.91
114)	AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.24
122)	AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.39
128)	AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.81
	System Monitoring Compounds					
33)	DIBROMOFLUOROMETHANE	3.673	111	253432	38.5547653 ppb	0.00
	Spiked Amount 40.000	Range 78 - 121		Recovery = 96.39%		
46)	a,a,a-Trifluorotoluene	4.608	146	449691	40.4339805 ppb	0.00
	Spiked Amount 40.000	Range 85 - 114		Recovery = 101.08%		
50)	TOLUENE-D8	5.068	98	1043631	40.4477805 ppb	0.00
	Spiked Amount 40.000	Range 89 - 111		Recovery = 101.12%		
68)	4-BROMOFLUOROBENZENE	6.956	95	365764	37.9359160 ppb	0.00
	Spiked Amount 40.000	Range 71 - 126		Recovery = 94.84%		
	Target Compounds					Qvalue
2)	TPH (GC/MS) LOW FRACTION	4.096	TIC	-7208468m	Below Cal	
3)	PROPENE	1.412	41	2759	1.0423412 ppb #	28
4)	DICHLORODIFLUOROMETHANE	1.470	85	1775	0.2163915 ppb	96
5)	CHLOROMETHANE	1.589	50	3196	0.2507464 ppb #	73
6)	VINYL CHLORIDE	1.650	62	3332	0.2382914 ppb #	81
7)	1,3-BUTADIENE	1.666	39	1436	0.1292240 ppb #	1
8)	BROMOMETHANE	1.888	94	1691	0.2182965 ppb #	90
9)	CHLOROETHANE	0.000		0	N.D.	
10)	TRICHLOROFLUOROMETHANE	2.055	101	2783	0.2291154 ppb #	64
11)	DICHLOROFLUOROMETHANE	2.091	67	3351	0.1889611 ppb #	42
12)	ETHYL ETHER	2.229	59	1990	0.2281466 ppb	87
13)	ACROLEIN	2.557	56	2308	1.6139270 ppb	88
14)	1,1-DICHLOROETHENE	2.361	61	3980	0.2334210 ppb #	77
15)	1,1,2-TRICHLOROTRIFLUO...	2.396	101	2205	0.2319056 ppb #	72
16)	ACETONE	2.715	43	7866	3.4773724 ppb	95
17)	IODOMETHANE	2.451	142	17437	1.0410195 ppb #	96
18)	CARBON DISULFIDE	2.390	76	13847	0.3662499 ppb #	82
19)	METHYLENE CHLORIDE	2.695	84	12200	1.1837120 ppb	97
20)	ACRYLONITRILE	3.158	53	2733	0.8960524 ppb #	73
21)	n-Hexane	2.833	56	2607	0.2703186 ppb #	94
22)	TRANS-1,2-DICHLOROETHENE	2.792	96	2152	0.2261904 ppb	90
23)	METHYL TERT-BUTYL ETHER	2.840	73	6207	0.2394225 ppb	88
24)	1,1-DICHLOROETHANE	3.129	63	4166	0.2267800 ppb	94
25)	VINYL ACETATE	3.252	43	19730	0.9655511 ppb	98
26)	DI-ISOPROPYL ETHER	3.039	45	7215	0.2099782 ppb	86
27)	2,2-Dichloropropane	3.489	77	2888	0.2923057 ppb	98
28)	CIS-1,2-DICHLOROETHENE	3.435	96	2092	0.2097395 ppb #	88
29)	2-BUTANONE (MEK)	3.737	43	4317	1.1247229 ppb #	67
30)	BROMOCHLOROMETHANE	3.541	130	1584	0.2749869 ppb	95
31)	TETRAHYDROFURAN	3.669	42	1690	0.6158255 ppb #	69
32)	CHLOROFORM	3.573	83	16888	1.0146696 ppb	98
34)	1,1,1-TRICHLOROETHANE	3.702	97	3014	0.2341850 ppb #	87
35)	CARBON TETRACHLORIDE	3.669	117	2984	0.2253167 ppb	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 07.D
Acq On : 11 Jul 2014 6:08 pm
Operator : 644
Sample : STD VMS 0.25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:50:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.769	75	3179	0.2284293 ppb		97
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	9969	0.2255158 ppb	#	88
38) HEPTANE	3.862	43	3885	0.1965113 ppb	#	79
39) BENZENE	3.907	78	8960	0.2346510 ppb	#	1
40) 1,2-DICHLOROETHANE	4.017	62	2603	0.2174928 ppb	#	74
42) TRICHLOROETHENE	4.235	130	1902	0.2089093 ppb		93
43) 1,2-DICHLOROPROPANE	4.541	62	1434	0.1989760 ppb	#	60
44) DIBROMOMETHANE	4.489	93	1027	0.1955335 ppb		96
45) BROMODICHLOROMETHANE	4.573	83	2534	0.2060112 ppb	#	87
47) 2-CHLOROETHYL VINYL ETHER	4.895	63	4378	1.1195926 ppb	#	94
48) CIS-1,3-DICHLOROPROPENE	4.949	75	3697	0.2345491 ppb	#	92
49) 4-METHYL-2-PENTANONE (...	5.322	58	4549	1.2993818 ppb		74
51) TOLUENE	5.100	91	11174	0.2916375 ppb		87
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	661	0.2048015 ppb	#	1
54) 1,1,2-TRICHLOROETHANE	5.464	97	1462	0.2017436 ppb	#	72
55) TETRACHLOROETHENE	5.354	164	1414	0.2128644 ppb	#	80
56) 1,3-Dichloropropane	5.647	76	3914	0.2829170 ppb		96
57) 2-HEXANONE	5.872	58	4056	1.2187393 ppb		79
58) CHLORODIBROMOMETHANE	5.589	129	2038	0.2490027 ppb	#	84
59) 1,2-DIBROMOETHANE	5.759	107	1987	0.2674606 ppb		98
60) CHLOROBENZENE	6.107	112	5618	0.2301262 ppb		96
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	1643	0.2008527 ppb	#	96
62) ETHYLBENZENE	6.110	106	2920	0.2147540 ppb		75
63) M&P-XYLENE	6.210	106	6967	0.4180992 ppb		96
64) O-XYLENE	6.518	106	4466	0.2760386 ppb		79
65) STYRENE	6.557	104	5597	0.2141366 ppb		91
66) Bromoform	6.589	173	976	0.1847466 ppb	#	52
67) Isopropylbenzene	6.737	105	8547	0.2024401 ppb		94
69) Bromobenzene	7.042	77	3922	0.2105079 ppb		96
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	2070	0.2053539 ppb	#	94
71) 1,2,3-TRICHLOROPROPANE	7.203	110	512	0.1831698 ppb	#	24
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	652	0.2351524 ppb	#	25
73) n-Propylbenzene	7.046	91	10453	0.2116649 ppb		97
74) 4-ETHYLTOLUENE	7.126	105	8633	0.2182161 ppb		91
75) 2-Chlorotoluene	7.174	126	2252	0.2300013 ppb		79
76) 4-Chlorotoluene	7.300	91	6275	0.2126343 ppb	#	91
77) 1,3,5-Trimethylbenzene	7.184	105	7160	0.2056560 ppb		96
78) tert-Butylbenzene	7.431	119	6386	0.2179328 ppb		95
79) 1,2,4-Trimethylbenzene	7.486	105	6975	0.2039856 ppb		92
80) sec-Butylbenzene	7.566	105	9756	0.2116930 ppb		98
81) 1,3-DICHLOROBENZENE	7.756	146	3601	0.2034370 ppb		90
82) p-Isopropyltoluene	7.673	119	7502	0.2002195 ppb		99
83) DICYCLOPENTADIENE	7.673	66	7646	0.1722017 ppb		96
85) 1,4-DICHLOROBENZENE	7.820	146	4139	0.2517212 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	9191	0.2805327 ppb		99
87) 1,2-DICHLOROBENZENE	8.155	146	3257	0.2150120 ppb	#	85
88) n-Butylbenzene	8.010	91	6721	0.2138221 ppb		97
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
90) 1,2,4-Trichlorobenzene	9.361	180	2522	0.2587485 ppb	#	90
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	1099	0.1993575 ppb		95
92) Naphthalene	9.627	128	6656	0.2853796 ppb	#	92
93) 1,2,3-Trichlorobenzene	9.782	180	2343	0.2611662 ppb	#	79
94) 1-Methylnaphthalene	10.496	142	3156	0.2542961 ppb	#	77
95) 2-Methylnaphthalene	10.615	142	2683	0.2619698 ppb	#	81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 07.D
Acq On : 11 Jul 2014 6:08 pm
Operator : 644
Sample : STD VMS 0.25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:50:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

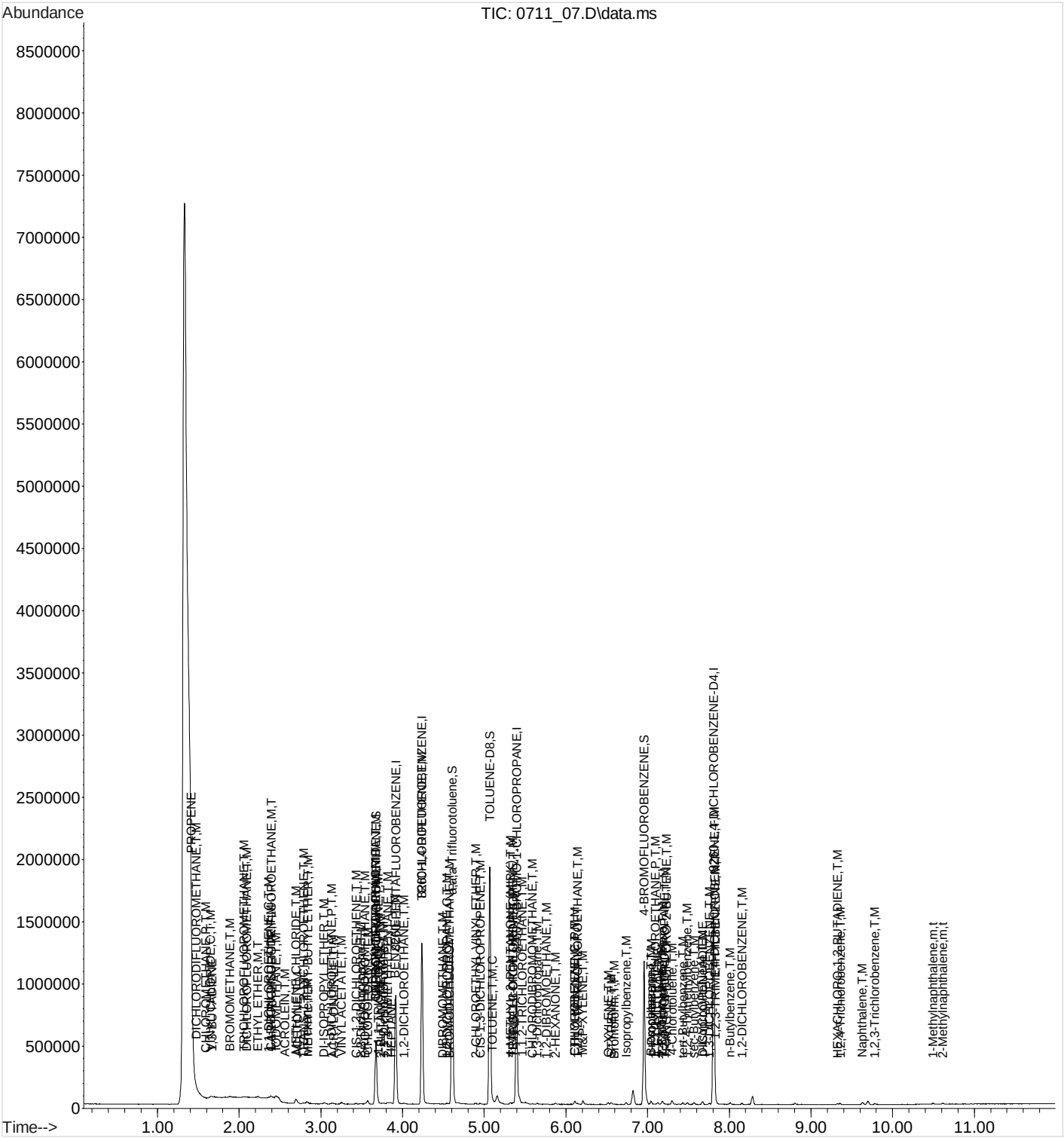
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	d
100)	Methyl Acetate	0.000		0	N.D.	d
101)	ACETONITRILE	0.000		0	N.D.	
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	d
104)	chloroprene	0.000		0	N.D.	d
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	0.000		0	N.D.	
108)	METHACRYLONITRILE	0.000		0	N.D.	d
109)	Cyclohexane	0.000		0	N.D.	d
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	0.000		0	N.D.	d
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	0.000		0	N.D.	d
117)	2-nitropropane	0.000		0	N.D.	d
118)	METHYL METHACRYLATE	0.000		0	N.D.	d
119)	1,4-DIOXANE	0.000		0	N.D.	d
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	d
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 07.D
Acq On : 11 Jul 2014 6:08 pm
Operator : 644
Sample : STD VMS 0.25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:50:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 08.D
Acq On : 11 Jul 2014 6:28 pm
Operator : 644
Sample : STD VMS 0.5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	462632	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.239	114	813414	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	144431	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	355689	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	462632	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.239	114	813414	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	144431	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	355689	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	257496	38.7564268 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 96.89%		
46) a,a,a-Trifluorotoluene	4.609	146	456136	40.5117899 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.28%		
50) TOLUENE-D8	5.068	98	1036430	39.6773336 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 99.19%		
68) 4-BROMOFLUOROBENZENE	6.956	95	375137	38.6529438 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 96.63%		

Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7126765m		Below Cal		
3) PROPENE	1.406	41	2586	0.9665923 ppb	#	74
4) DICHLORODIFLUOROMETHANE	1.464	85	3177	0.3831914 ppb	#	66
5) CHLOROMETHANE	1.586	50	7833	0.6080127 ppb		97
6) VINYL CHLORIDE	1.650	62	7140	0.5051940 ppb	#	67
7) 1,3-BUTADIENE	1.660	39	6223	0.5540453 ppb	#	79
8) BROMOMETHANE	1.885	94	3895	0.4974704 ppb		92
9) CHLOROETHANE	1.978	66	1033	0.3971947 ppb	#	45
10) TRICHLOROFLUOROMETHANE	2.052	101	7005	0.5705660 ppb		97
11) DICHLOROFLUOROMETHANE	2.088	67	9819	0.5477997 ppb		89
12) ETHYL ETHER	2.229	59	4517	0.5123510 ppb		93
13) ACROLEIN	2.551	56	4563	3.1568589 ppb		86
14) 1,1-DICHLOROETHENE	2.358	61	9107	0.5284317 ppb	#	93
15) 1,1,2-TRICHLOROTRIFLUO...	2.393	101	5209	0.5420179 ppb	#	90
16) ACETONE	2.715	43	12377	5.4133895 ppb		98
17) IODOMETHANE	2.451	142	42228	2.4942744 ppb		97
18) CARBON DISULFIDE	2.390	76	24776	0.6483503 ppb	#	82
19) METHYLENE CHLORIDE	2.695	84	16110	1.5464590 ppb		100
20) ACRYLONITRILE	3.155	53	7427	2.4091500 ppb		99
21) n-Hexane	2.827	56	6234	0.6395263 ppb	#	74
22) TRANS-1,2-DICHLOROETHENE	2.789	96	5698	0.5925309 ppb	#	85
23) METHYL TERT-BUTYL ETHER	2.840	73	13283	0.5069160 ppb		99
24) 1,1-DICHLOROETHANE	3.130	63	9939	0.5352847 ppb		94
25) VINYL ACETATE	3.248	43	49327	2.3883036 ppb		99
26) DI-ISOPROPYL ETHER	3.039	45	16808	0.4839611 ppb		95
27) 2,2-Dichloropropane	3.490	77	5616	0.5623722 ppb		95
28) CIS-1,2-DICHLOROETHENE	3.432	96	4600	0.4562816 ppb		84
29) 2-BUTANONE (MEK)	3.737	43	9233	2.3799233 ppb	#	83
30) BROMOCHLOROMETHANE	3.544	130	3256	0.5592396 ppb		95
31) TETRAHYDROFURAN	3.670	42	2963	1.0682165 ppb	#	71
32) CHLOROFORM	3.570	83	22058	1.3112007 ppb		97
34) 1,1,1-TRICHLOROETHANE	3.702	97	6977	0.5363413 ppb		96
35) CARBON TETRACHLORIDE	3.666	117	6360	0.4751254 ppb		91

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 08.D
Acq On : 11 Jul 2014 6:28 pm
Operator : 644
Sample : STD VMS 0.5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	7454	0.5299163 ppb		98
37) 2,2,4-TRIMETHYLPENTANE	3.818	57	23886	0.5345956 ppb		98
38) HEPTANE	3.859	43	8738	0.4372857 ppb	#	90
39) BENZENE	3.908	78	20364	0.5276357 ppb	#	54
40) 1,2-DICHLOROETHANE	4.017	62	5790	0.4786365 ppb		95
42) TRICHLOROETHENE	4.236	130	4672	0.5068797 ppb		96
43) 1,2-DICHLOROPROPANE	4.541	62	3842	0.5265792 ppb		92
44) DIBROMOMETHANE	4.486	93	3291	0.6189183 ppb	#	80
45) BROMODICHLOROMETHANE	4.570	83	6749	0.5419741 ppb		96
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	9402	2.3749763 ppb	#	99
48) CIS-1,3-DICHLOROPROPENE	4.949	75	7877	0.4936281 ppb	#	95
49) 4-METHYL-2-PENTANONE (...	5.319	58	9140	2.5788248 ppb		87
51) TOLUENE	5.104	91	20915	0.5391968 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	1474	0.4511115 ppb	#	1
54) 1,1,2-TRICHLOROETHANE	5.464	97	3231	0.4429272 ppb	#	85
55) TETRACHLOROETHENE	5.358	164	3251	0.4861985 ppb		90
56) 1,3-Dichloropropane	5.647	76	7558	0.5427355 ppb		95
57) 2-HEXANONE	5.869	58	8287	2.4737355 ppb		88
58) CHLORODIBROMOMETHANE	5.589	129	4213	0.5113689 ppb		95
59) 1,2-DIBROMOETHANE	5.760	107	4013	0.5366289 ppb		95
60) CHLOROBENZENE	6.107	112	12165	0.4950390 ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	4112	0.4993858 ppb	#	100
62) ETHYLBENZENE	6.110	106	6420	0.4690688 ppb		92
63) M&P-XYLENE	6.210	106	15989	0.9532304 ppb		96
64) O-XYLENE	6.518	106	7980	0.4900012 ppb		100
65) STYRENE	6.554	104	11538	0.4385399 ppb		96
66) Bromoform	6.589	173	2402	0.4516923 ppb		99
67) Isopropylbenzene	6.737	105	20331	0.4783927 ppb		99
69) Bromobenzene	7.043	77	9227	0.4919991 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.094	83	5517	0.5437243 ppb	#	86
71) 1,2,3-TRICHLOROPROPANE	7.203	110	1718	0.6105908 ppb		96
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	1314	0.4708042 ppb	#	80
73) n-Propylbenzene	7.046	91	25216	0.5072559 ppb		99
74) 4-ETHYLTOLUENE	7.123	105	19658	0.4936368 ppb		100
75) 2-Chlorotoluene	7.174	126	5100	0.5174580 ppb		87
76) 4-Chlorotoluene	7.297	91	13686	0.4607223 ppb		93
77) 1,3,5-Trimethylbenzene	7.184	105	16276	0.4644286 ppb		94
78) tert-Butylbenzene	7.432	119	14111	0.4784038 ppb		96
79) 1,2,4-Trimethylbenzene	7.486	105	17061	0.4956817 ppb		96
80) sec-Butylbenzene	7.567	105	22165	0.4777994 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	8946	0.5020868 ppb		98
82) p-Isopropyltoluene	7.673	119	17326	0.4593786 ppb	#	92
83) DICYCLOPENTADIENE	7.670	66	20038	0.4483328 ppb		98
85) 1,4-DICHLOROBENZENE	7.821	146	9110	0.5306523 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	19449	0.5685718 ppb		98
87) 1,2-DICHLOROBENZENE	8.155	146	8018	0.5069653 ppb		97
88) n-Butylbenzene	8.007	91	18202	0.5546323 ppb		96
89) 1,2-Dibromo-3-chloropr...	8.792	157	820	0.4437199 ppb	#	83
90) 1,2,4-Trichlorobenzene	9.354	180	5751	0.5651236 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	2895	0.5029800 ppb		96
92) Naphthalene	9.628	128	13403	0.5504007 ppb		96
93) 1,2,3-Trichlorobenzene	9.782	180	5023	0.5362596 ppb		99
94) 1-Methylnaphthalene	10.493	142	7355	0.5676135 ppb	#	94
95) 2-Methylnaphthalene	10.615	142	5719	0.5348327 ppb		94

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 08.D
Acq On : 11 Jul 2014 6:28 pm
Operator : 644
Sample : STD VMS 0.5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

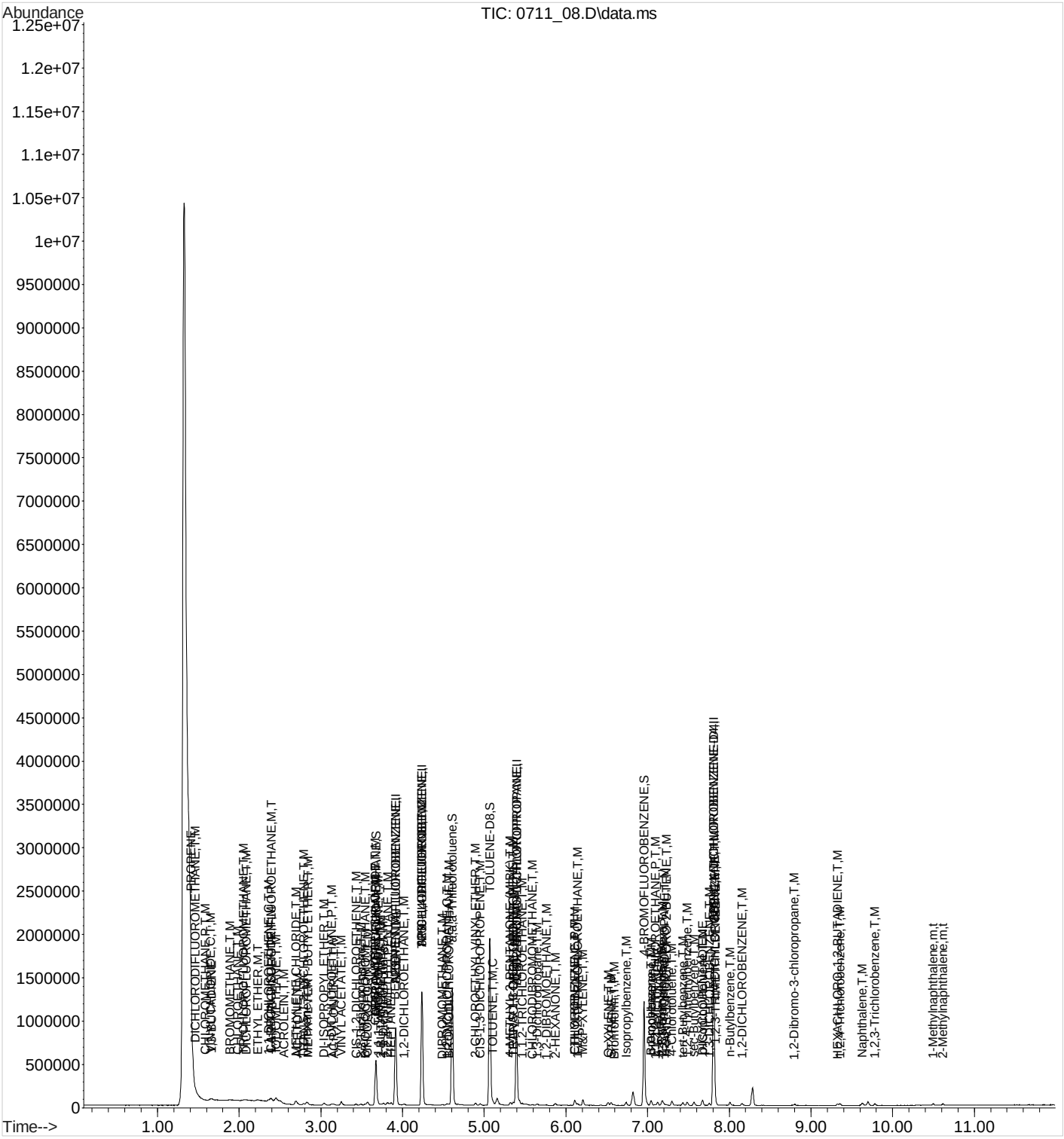
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.827	43	8039	No Calib	#
101)	ACETONITRILE	3.036	41	2944	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.879	59	1131	No Calib	#
104)	chloroprene	3.155	53	7427	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.625	43	575	No Calib	#
108)	METHACRYLONITRILE	3.914	67	1828	No Calib	#
109)	Cyclohexane	3.573	84	743	No Calib	#
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.940	43	552	No Calib	#
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.914	73	761	No Calib	#
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.239	83	9187	No Calib	#
117)	2-nitropropane	5.252	43	576	No Calib	#
118)	METHYL METHACRYLATE	4.541	41	3722	No Calib	#
119)	1,4-DIOXANE	4.683	88	3485	No Calib	#
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.872	57	3162	No Calib	#
123)	ETHYL METHACRYLATE	5.319	69	574	No Calib	#
124)	CIS-1,4-DICHLORO-2-BUTENE	7.123	53	509	No Calib	#
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.486	117	842	No Calib	#
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 08.D
Acq On : 11 Jul 2014 6:28 pm
Operator : 644
Sample : STD VMS 0.5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:08 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 08.D
Acq On : 11 Jul 2014 6:28 pm
Operator : 644
Sample : STD VMS 0.5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:52:29 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
1)	8260-PENTAFLUOROBENZENE	3.917	168	462632	40.0000000	ppb	0.00
41)	8260-1,4-DIFLUOROBENZENE	4.239	114	813414	40.0000000	ppb	0.00
53)	8260-2-BROMO-1-CHLOROP...	5.396	79	144431	40.0000000	ppb	0.00
84)	8260-1,4-DICHLOROBENZE...	7.808	152	355689	40.0000000	ppb	0.00
96)	AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
114)	AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
122)	AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-5.39
128)	AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-7.81
	System Monitoring Compounds						
33)	DIBROMOFLUOROMETHANE	3.673	111	257496	38.7564268	ppb	0.00
	Spiked Amount 40.000	Range 78 - 121		Recovery = 96.89%			
46)	a,a,a-Trifluorotoluene	4.609	146	456136	40.5117899	ppb	0.00
	Spiked Amount 40.000	Range 85 - 114		Recovery = 101.28%			
50)	TOLUENE-D8	5.068	98	1036430	39.6773336	ppb	0.00
	Spiked Amount 40.000	Range 89 - 111		Recovery = 99.19%			
68)	4-BROMOFLUOROBENZENE	6.956	95	375137	38.6529438	ppb	0.00
	Spiked Amount 40.000	Range 71 - 126		Recovery = 96.63%			
	Target Compounds						Qvalue
2)	TPH (GC/MS) LOW FRACTION	4.096	TIC	-7126765m	Below Cal		
3)	PROPENE	1.406	41	2586	0.9665923	ppb #	74
4)	DICHLORODIFLUOROMETHANE	1.464	85	3177	0.3831914	ppb #	66
5)	CHLOROMETHANE	1.586	50	7833	0.6080127	ppb	97
6)	VINYL CHLORIDE	1.650	62	7140	0.5051940	ppb #	67
7)	1,3-BUTADIENE	1.660	39	6223	0.5540453	ppb #	79
8)	BROMOMETHANE	1.885	94	3895	0.4974704	ppb	92
9)	CHLOROETHANE	1.978	66	1033	0.3971947	ppb #	45
10)	TRICHLOROFLUOROMETHANE	2.052	101	7005	0.5705660	ppb	97
11)	DICHLOROFLUOROMETHANE	2.088	67	9819	0.5477997	ppb	89
12)	ETHYL ETHER	2.229	59	4517	0.5123510	ppb	93
13)	ACROLEIN	2.551	56	4563	3.1568589	ppb	86
14)	1,1-DICHLOROETHENE	2.358	61	9107	0.5284317	ppb #	93
15)	1,1,2-TRICHLOROTRIFLUO...	2.393	101	5209	0.5420179	ppb #	90
16)	ACETONE	2.715	43	12377	5.4133895	ppb	98
17)	IODOMETHANE	2.451	142	42228	2.4942744	ppb	97
18)	CARBON DISULFIDE	2.390	76	24776	0.6483503	ppb #	82
19)	METHYLENE CHLORIDE	2.695	84	16110	1.5464590	ppb	100
20)	ACRYLONITRILE	3.155	53	7427	2.4091500	ppb	99
21)	n-Hexane	2.827	56	6234	0.6395263	ppb #	74
22)	TRANS-1,2-DICHLOROETHENE	2.789	96	5698	0.5925309	ppb #	85
23)	METHYL TERT-BUTYL ETHER	2.840	73	13283	0.5069160	ppb	99
24)	1,1-DICHLOROETHANE	3.130	63	9939	0.5352847	ppb	94
25)	VINYL ACETATE	3.248	43	49327	2.3883036	ppb	99
26)	DI-ISOPROPYL ETHER	3.039	45	16808	0.4839611	ppb	95
27)	2,2-Dichloropropane	3.490	77	5616	0.5623722	ppb	95
28)	CIS-1,2-DICHLOROETHENE	3.432	96	4600	0.4562816	ppb	84
29)	2-BUTANONE (MEK)	3.737	43	9233	2.3799233	ppb #	83
30)	BROMOCHLOROMETHANE	3.544	130	3256	0.5592396	ppb	95
31)	TETRAHYDROFURAN	3.670	42	2963	1.0682165	ppb #	71
32)	CHLOROFORM	3.570	83	22058	1.3112007	ppb	97
34)	1,1,1-TRICHLOROETHANE	3.702	97	6977	0.5363413	ppb	96
35)	CARBON TETRACHLORIDE	3.666	117	6360	0.4751254	ppb	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 08.D
Acq On : 11 Jul 2014 6:28 pm
Operator : 644
Sample : STD VMS 0.5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:52:29 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	7454	0.5299163 ppb		98
37) 2,2,4-TRIMETHYLPENTANE	3.818	57	23886	0.5345956 ppb		98
38) HEPTANE	3.859	43	8738	0.4372857 ppb	#	90
39) BENZENE	3.908	78	20364	0.5276357 ppb	#	54
40) 1,2-DICHLOROETHANE	4.017	62	5790	0.4786365 ppb		95
42) TRICHLOROETHENE	4.236	130	4672	0.5068797 ppb		96
43) 1,2-DICHLOROPROPANE	4.541	62	3842	0.5265792 ppb		92
44) DIBROMOMETHANE	4.486	93	3291	0.6189183 ppb	#	80
45) BROMODICHLOROMETHANE	4.570	83	6749	0.5419741 ppb		96
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	9402	2.3749763 ppb	#	99
48) CIS-1,3-DICHLOROPROPENE	4.949	75	7877	0.4936281 ppb	#	95
49) 4-METHYL-2-PENTANONE (...	5.319	58	9140	2.5788248 ppb		87
51) TOLUENE	5.104	91	20915	0.5391968 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	1474	0.4511115 ppb	#	1
54) 1,1,2-TRICHLOROETHANE	5.464	97	3231	0.4429272 ppb	#	85
55) TETRACHLOROETHENE	5.358	164	3251	0.4861985 ppb		90
56) 1,3-Dichloropropane	5.647	76	7558	0.5427355 ppb		95
57) 2-HEXANONE	5.869	58	8287	2.4737355 ppb		88
58) CHLORODIBROMOMETHANE	5.589	129	4213	0.5113689 ppb		95
59) 1,2-DIBROMOETHANE	5.760	107	4013	0.5366289 ppb		95
60) CHLOROBENZENE	6.107	112	12165	0.4950390 ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	4112	0.4993858 ppb	#	100
62) ETHYLBENZENE	6.110	106	6420	0.4690688 ppb		92
63) M&P-XYLENE	6.210	106	15989	0.9532304 ppb		96
64) O-XYLENE	6.518	106	7980	0.4900012 ppb		100
65) STYRENE	6.554	104	11538	0.4385399 ppb		96
66) Bromoform	6.589	173	2402	0.4516923 ppb		99
67) Isopropylbenzene	6.737	105	20331	0.4783927 ppb		99
69) Bromobenzene	7.043	77	9227	0.4919991 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.094	83	5517	0.5437243 ppb	#	86
71) 1,2,3-TRICHLOROPROPANE	7.203	110	1718	0.6105908 ppb		96
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	1314	0.4708042 ppb	#	80
73) n-Propylbenzene	7.046	91	25216	0.5072559 ppb		99
74) 4-ETHYLTOLUENE	7.123	105	19658	0.4936368 ppb		100
75) 2-Chlorotoluene	7.174	126	5100	0.5174580 ppb		87
76) 4-Chlorotoluene	7.297	91	13686	0.4607223 ppb		93
77) 1,3,5-Trimethylbenzene	7.184	105	16276	0.4644286 ppb		94
78) tert-Butylbenzene	7.432	119	14111	0.4784038 ppb		96
79) 1,2,4-Trimethylbenzene	7.486	105	17061	0.4956817 ppb		96
80) sec-Butylbenzene	7.567	105	22165	0.4777994 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	8946	0.5020868 ppb		98
82) p-Isopropyltoluene	7.673	119	17326	0.4593786 ppb	#	92
83) DICYCLOPENTADIENE	7.670	66	20038	0.4483328 ppb		98
85) 1,4-DICHLOROBENZENE	7.821	146	9110	0.5306523 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	19449	0.5685718 ppb		98
87) 1,2-DICHLOROBENZENE	8.155	146	8018	0.5069653 ppb		97
88) n-Butylbenzene	8.007	91	18202	0.5546323 ppb		96
89) 1,2-Dibromo-3-chloropr...	8.792	157	820	0.4437199 ppb	#	83
90) 1,2,4-Trichlorobenzene	9.354	180	5751	0.5651236 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	2895	0.5029800 ppb		96
92) Naphthalene	9.628	128	13403	0.5504007 ppb		96
93) 1,2,3-Trichlorobenzene	9.782	180	5023	0.5362596 ppb		99
94) 1-Methylnaphthalene	10.493	142	7355	0.5676135 ppb	#	94
95) 2-Methylnaphthalene	10.615	142	5719	0.5348327 ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 08.D
Acq On : 11 Jul 2014 6:28 pm
Operator : 644
Sample : STD VMS 0.5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:52:29 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

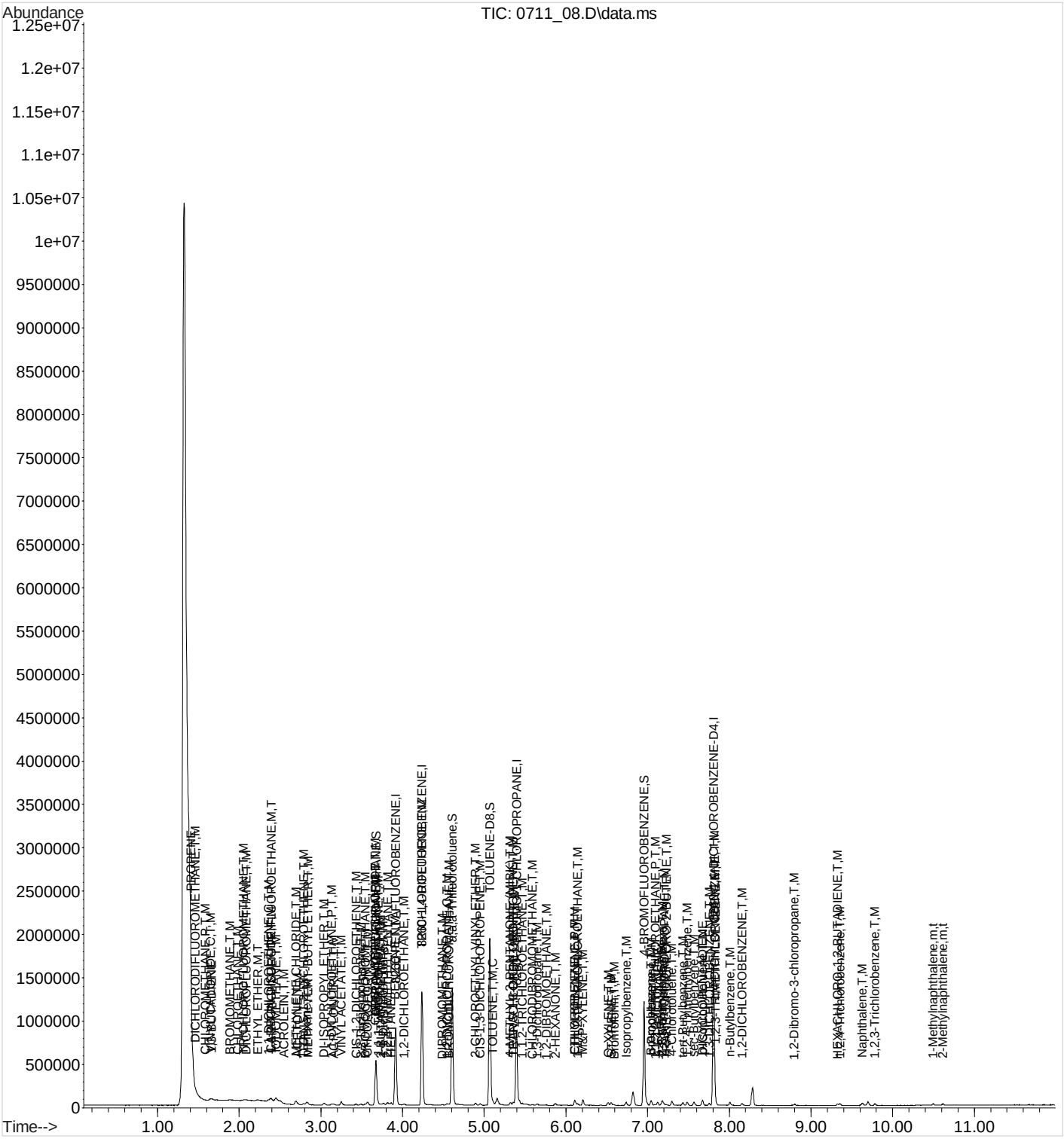
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	0.000		0	N.D.		
99)	2-PROPANOL	0.000		0	N.D.		
100)	Methyl Acetate	0.000		0	N.D.	d	
101)	ACETONITRILE	0.000		0	N.D.	d	
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	d	
104)	chloroprene	0.000		0	N.D.	d	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
106)	PROPIONITRILE	0.000		0	N.D.		
107)	Ethyl Acetate	0.000		0	N.D.	d	
108)	METHACRYLONITRILE	0.000		0	N.D.	d	
109)	Cyclohexane	0.000		0	N.D.	d	
110)	tert-butyl formate	0.000		0	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.	d	
112)	t-Amyl Alcohol	0.000		0	N.D.		
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	0.000		0	N.D.	d	
117)	2-nitropropane	0.000		0	N.D.	d	
118)	METHYL METHACRYLATE	0.000		0	N.D.	d	
119)	1,4-DIOXANE	0.000		0	N.D.	d	
120)	n-octane	0.000		0	N.D.		
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
123)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d	
125)	Cyclohexanone	0.000		0	N.D.		
126)	PENTACHLOROETHANE	0.000		0	N.D.	d	
127)	Hexachloroethane	0.000		0	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 08.D
Acq On : 11 Jul 2014 6:28 pm
Operator : 644
Sample : STD VMS 0.5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:52:29 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 09.D
Acq On : 11 Jul 2014 6:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.917	168	500022	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.239	114	883322	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	156201	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	357275	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.917	168	500022	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.239	114	883322	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	156201	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	357275	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	281898	39.2565196 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 98.14%		
46) a,a,a-Trifluorotoluene	4.608	146	501539	41.0189356 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.55%		
50) TOLUENE-D8	5.068	98	1160422	40.9082643 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 102.27%		
68) 4-BROMOFLUOROBENZENE	6.956	95	404212	38.5104403 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 96.28%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7276334m		Below Cal	
3) PROPENE	1.416	41	4699	1.6250503 ppb #	38
4) DICHLORODIFLUOROMETHANE	1.467	85	7502	0.8371863 ppb	100
5) CHLOROMETHANE	1.589	50	14539	1.0441566 ppb	95
6) VINYL CHLORIDE	1.657	62	14838	0.9713638 ppb #	85
7) 1,3-BUTADIENE	1.670	39	14199	1.1696335 ppb	90
8) BROMOMETHANE	1.891	94	7282	0.8605122 ppb #	87
9) CHLOROETHANE	1.972	66	2676	0.9519975 ppb	94
10) TRICHLOROFLUOROMETHANE	2.062	101	12756	0.9612996 ppb #	94
11) DICHLOROFLUOROMETHANE	2.097	67	17520	0.9043472 ppb	90
12) ETHYL ETHER	2.229	59	9084	0.9533255 ppb	94
13) ACROLEIN	2.554	56	7463	4.7771041 ppb	90
14) 1,1-DICHLOROETHENE	2.361	61	18857	1.0123546 ppb	97
15) 1,1,2-TRICHLOROTRIFLUO...	2.400	101	10276	0.9893043 ppb #	95
16) ACETONE	2.715	43	17973	7.2731244 ppb	97
17) IODOMETHANE	2.451	142	87261	4.7688148 ppb	99
18) CARBON DISULFIDE	2.390	76	44822	1.0852163 ppb	97
19) METHYLENE CHLORIDE	2.695	84	20290	1.8020692 ppb	98
20) ACRYLONITRILE	3.155	53	15012	4.5054225 ppb	99
21) n-Hexane	2.827	56	10471	0.9938625 ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.789	96	10172	0.9786816 ppb	98
23) METHYL TERT-BUTYL ETHER	2.840	73	26104	0.9217083 ppb	91
24) 1,1-DICHLOROETHANE	3.133	63	19875	0.9903662 ppb	95
25) VINYL ACETATE	3.248	43	103365	4.6304680 ppb	99
26) DI-ISOPROPYL ETHER	3.039	45	35993	0.9588685 ppb	98
27) 2,2-Dichloropropane	3.489	77	11311	1.0479591 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.432	96	10838	0.9946513 ppb	94
29) 2-BUTANONE (MEK)	3.734	43	19916	4.7497286 ppb	91
30) BROMOCHLOROMETHANE	3.544	130	6320	1.0043317 ppb	77
31) TETRAHYDROFURAN	3.670	42	3952	1.3182298 ppb #	95
32) CHLOROFORM	3.573	83	32097	1.7652818 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.702	97	12931	0.9197106 ppb	93
35) CARBON TETRACHLORIDE	3.666	117	13760	0.9510779 ppb	96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 09.D
Acq On : 11 Jul 2014 6:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	14704	0.9671636 ppb		96
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	46612	0.9652199 ppb		99
38) HEPTANE	3.862	43	19020	0.8806640 ppb	#	97
39) BENZENE	3.907	78	39972	0.9582383 ppb	#	77
40) 1,2-DICHLOROETHANE	4.017	62	12736	0.9741075 ppb		96
42) TRICHLOROETHENE	4.235	130	9421	0.9412211 ppb		93
43) 1,2-DICHLOROPROPANE	4.544	62	8119	1.0247112 ppb		94
44) DIBROMOMETHANE	4.489	93	5544	0.9601106 ppb		96
45) BROMODICHLOROMETHANE	4.570	83	13773	1.0184981 ppb		94
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	20291	4.7199248 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.952	75	16925	0.9766980 ppb		97
49) 4-METHYL-2-PENTANONE (...	5.319	58	17469	4.5387501 ppb		98
51) TOLUENE	5.100	91	41645	0.9886553 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	3170	0.8933842 ppb	#	3
54) 1,1,2-TRICHLOROETHANE	5.464	97	7930	1.0051830 ppb		95
55) TETRACHLOROETHENE	5.358	164	6996	0.9674379 ppb		96
56) 1,3-Dichloropropane	5.647	76	15318	1.0170914 ppb		96
57) 2-HEXANONE	5.869	58	16187	4.4678533 ppb		95
58) CHLORODIBROMOMETHANE	5.589	129	8576	0.9625078 ppb		95
59) 1,2-DIBROMOETHANE	5.759	107	8237	1.0184755 ppb		97
60) CHLOROBENZENE	6.107	112	24842	0.9347392 ppb		98
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	7789	0.8746643 ppb	#	93
62) ETHYLBENZENE	6.110	106	14272	0.9641908 ppb		97
63) M&P-XYLENE	6.210	106	31549	1.7391569 ppb		98
64) O-XYLENE	6.518	106	17726	1.0064253 ppb		88
65) STYRENE	6.554	104	24616	0.8651127 ppb		98
66) Bromoform	6.586	173	5037	0.8758267 ppb		99
67) Isopropylbenzene	6.737	105	40839	0.8885411 ppb		99
69) Bromobenzene	7.042	77	17237	0.8498496 ppb		97
70) 1,1,2,2-TETRACHLOROETHANE	7.094	83	9277	0.8453955 ppb		98
71) 1,2,3-TRICHLOROPROPANE	7.203	110	2325	0.7640585 ppb		96
72) TRANS-1,4-DICHLORO-2-B...	7.226	53	2579	0.8544229 ppb	#	91
73) n-Propylbenzene	7.042	91	46389	0.8628644 ppb		99
74) 4-ETHYLTOLUENE	7.123	105	36933	0.8575498 ppb		99
75) 2-Chlorotoluene	7.174	126	10043	0.9422041 ppb		90
76) 4-Chlorotoluene	7.296	91	29231	0.9098776 ppb		98
77) 1,3,5-Trimethylbenzene	7.184	105	32299	0.8521911 ppb		99
78) tert-Butylbenzene	7.431	119	27412	0.8593185 ppb		99
79) 1,2,4-Trimethylbenzene	7.483	105	32658	0.8773333 ppb		99
80) sec-Butylbenzene	7.570	105	43210	0.8612688 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	16843	0.8740695 ppb		99
82) p-Isopropyltoluene	7.673	119	33932	0.8318758 ppb		98
83) DICYCLOPENTADIENE	7.669	66	40895	0.8460441 ppb		99
85) 1,4-DICHLOROBENZENE	7.821	146	17077	0.9903098 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	35036	1.0196952 ppb		98
87) 1,2-DICHLOROBENZENE	8.155	146	15514	0.9765708 ppb		98
88) n-Butylbenzene	8.007	91	31342	0.9507812 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.795	157	1712	0.9222882 ppb		88
90) 1,2,4-Trichlorobenzene	9.354	180	10292	1.0068566 ppb		98
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	5802	1.0035700 ppb		96
92) Naphthalene	9.627	128	25176	1.0292751 ppb		96
93) 1,2,3-Trichlorobenzene	9.785	180	10027	1.0657387 ppb		95
94) 1-Methylnaphthalene	10.496	142	13054	1.0029549 ppb		99
95) 2-Methylnaphthalene	10.615	142	10763	1.0020722 ppb	#	96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 09.D
Acq On : 11 Jul 2014 6:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

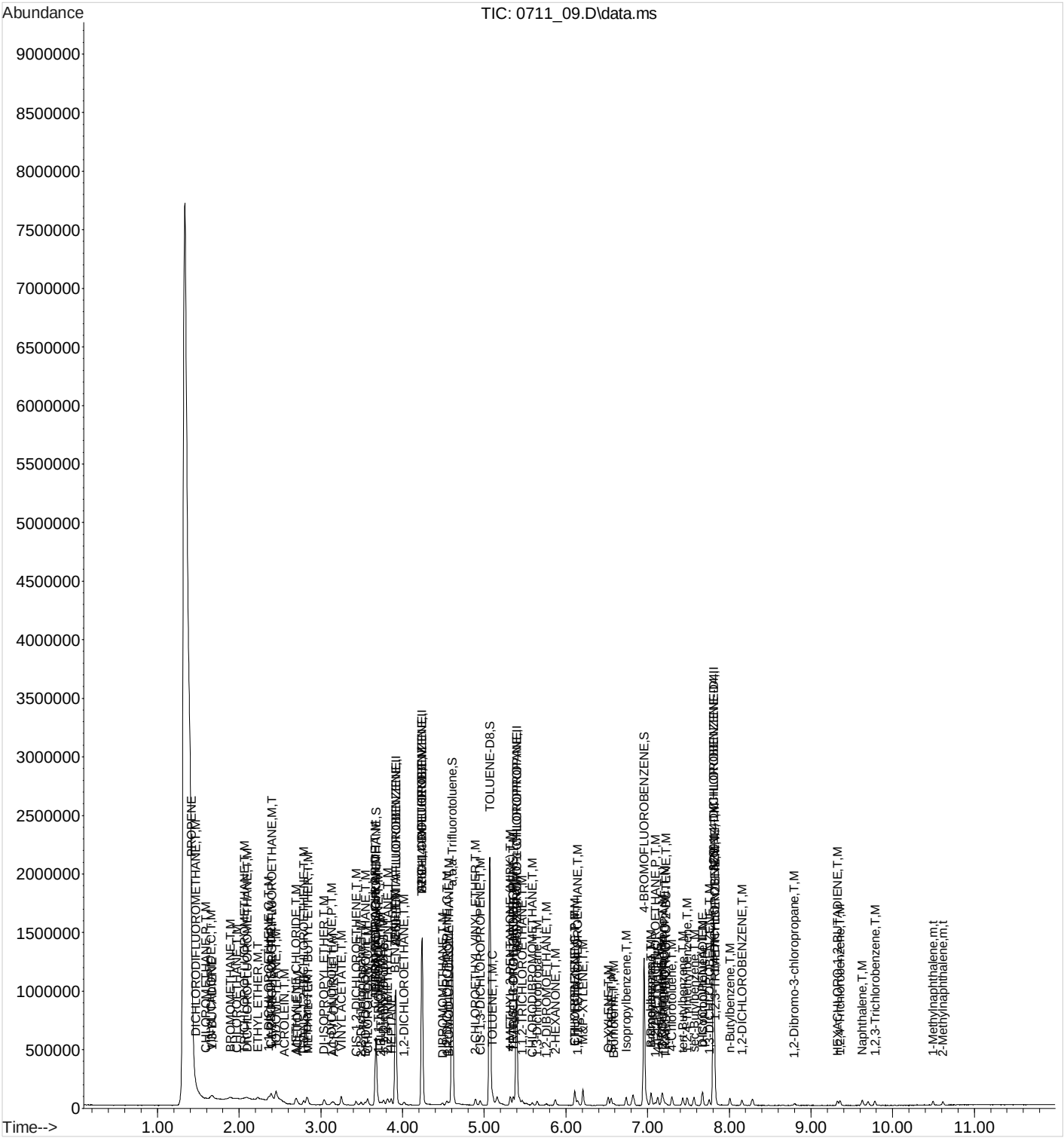
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.634	45	698	No Calib	#
100)	Methyl Acetate	2.779	43	766	No Calib	#
101)	ACETONITRILE	3.039	41	5594	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.875	59	750	No Calib	#
104)	chloroprene	3.155	53	15012	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.673	43	970	No Calib	#
108)	METHACRYLONITRILE	3.914	67	1755	No Calib	#
109)	Cyclohexane	3.570	84	1496	No Calib	#
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	4.023	43	675	No Calib	#
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.907	73	1686	No Calib	#
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.239	83	10447	No Calib	#
117)	2-nitropropane	5.197	43	529	No Calib	#
118)	METHYL METHACRYLATE	4.541	41	6587	No Calib	#
119)	1,4-DIOXANE	4.682	88	4269	No Calib	
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.869	57	5873	No Calib	#
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.431	117	960	No Calib	#
127)	Hexachloroethane	8.148	117	593	No Calib	#

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 09.D
Acq On : 11 Jul 2014 6:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:12 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 09.D
Acq On : 11 Jul 2014 6:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:52:54 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
1)	8260-PENTAFLUOROBENZENE	3.917	168	500022	40.0000000	ppb	0.00
41)	8260-1,4-DIFLUOROBENZENE	4.239	114	883322	40.0000000	ppb	0.00
53)	8260-2-BROMO-1-CHLOROP...	5.396	79	156201	40.0000000	ppb	0.00
84)	8260-1,4-DICHLOROBENZE...	7.808	152	357275	40.0000000	ppb	0.00
96)	AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
114)	AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
122)	AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-5.39
128)	AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-7.81
	System Monitoring Compounds						
33)	DIBROMOFLUOROMETHANE	3.673	111	281898	39.2565196	ppb	0.00
	Spiked Amount 40.000	Range 78 - 121		Recovery = 98.14%			
46)	a,a,a-Trifluorotoluene	4.608	146	501539	41.0189356	ppb	0.00
	Spiked Amount 40.000	Range 85 - 114		Recovery = 102.55%			
50)	TOLUENE-D8	5.068	98	1160422	40.9082643	ppb	0.00
	Spiked Amount 40.000	Range 89 - 111		Recovery = 102.27%			
68)	4-BROMOFLUOROBENZENE	6.956	95	404212	38.5104403	ppb	0.00
	Spiked Amount 40.000	Range 71 - 126		Recovery = 96.28%			
	Target Compounds						Qvalue
2)	TPH (GC/MS) LOW FRACTION	4.096	TIC	-7276334m	Below Cal		
3)	PROPENE	1.416	41	4699	1.6250503	ppb #	38
4)	DICHLORODIFLUOROMETHANE	1.467	85	7502	0.8371863	ppb	100
5)	CHLOROMETHANE	1.589	50	14539	1.0441566	ppb	95
6)	VINYL CHLORIDE	1.657	62	14838	0.9713638	ppb #	85
7)	1,3-BUTADIENE	1.670	39	14199	1.1696335	ppb	90
8)	BROMOMETHANE	1.891	94	7282	0.8605122	ppb #	87
9)	CHLOROETHANE	1.972	66	2676	0.9519975	ppb	94
10)	TRICHLOROFLUOROMETHANE	2.062	101	12756	0.9612996	ppb #	94
11)	DICHLOROFLUOROMETHANE	2.097	67	17520	0.9043472	ppb	90
12)	ETHYL ETHER	2.229	59	9084	0.9533255	ppb	94
13)	ACROLEIN	2.554	56	7463	4.7771041	ppb	90
14)	1,1-DICHLOROETHENE	2.361	61	18857	1.0123546	ppb	97
15)	1,1,2-TRICHLOROTRIFLUO...	2.400	101	10276	0.9893043	ppb #	95
16)	ACETONE	2.715	43	17973	7.2731244	ppb	97
17)	IODOMETHANE	2.451	142	87261	4.7688148	ppb	99
18)	CARBON DISULFIDE	2.390	76	44822	1.0852163	ppb	97
19)	METHYLENE CHLORIDE	2.695	84	20290	1.8020692	ppb	98
20)	ACRYLONITRILE	3.155	53	15012	4.5054225	ppb	99
21)	n-Hexane	2.827	56	10471	0.9938625	ppb	98
22)	TRANS-1,2-DICHLOROETHENE	2.789	96	10172	0.9786816	ppb	98
23)	METHYL TERT-BUTYL ETHER	2.840	73	26104	0.9217083	ppb	91
24)	1,1-DICHLOROETHANE	3.133	63	19875	0.9903662	ppb	95
25)	VINYL ACETATE	3.248	43	103365	4.6304680	ppb	99
26)	DI-ISOPROPYL ETHER	3.039	45	35993	0.9588685	ppb	98
27)	2,2-Dichloropropane	3.489	77	11311	1.0479591	ppb	100
28)	CIS-1,2-DICHLOROETHENE	3.432	96	10838	0.9946513	ppb	94
29)	2-BUTANONE (MEK)	3.734	43	19916	4.7497286	ppb	91
30)	BROMOCHLOROMETHANE	3.544	130	6320	1.0043317	ppb	77
31)	TETRAHYDROFURAN	3.670	42	3952	1.3182298	ppb #	95
32)	CHLOROFORM	3.573	83	32097	1.7652818	ppb	99
34)	1,1,1-TRICHLOROETHANE	3.702	97	12931	0.9197106	ppb	93
35)	CARBON TETRACHLORIDE	3.666	117	13760	0.9510779	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 09.D
Acq On : 11 Jul 2014 6:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:52:54 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	14704	0.9671636 ppb		96
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	46612	0.9652199 ppb		99
38) HEPTANE	3.862	43	19020	0.8806640 ppb	#	97
39) BENZENE	3.907	78	39972	0.9582383 ppb	#	77
40) 1,2-DICHLOROETHANE	4.017	62	12736	0.9741075 ppb		96
42) TRICHLOROETHENE	4.235	130	9421	0.9412211 ppb		93
43) 1,2-DICHLOROPROPANE	4.544	62	8119	1.0247112 ppb		94
44) DIBROMOMETHANE	4.489	93	5544	0.9601106 ppb		96
45) BROMODICHLOROMETHANE	4.570	83	13773	1.0184981 ppb		94
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	20291	4.7199248 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.952	75	16925	0.9766980 ppb		97
49) 4-METHYL-2-PENTANONE (...	5.319	58	17469	4.5387501 ppb		98
51) TOLUENE	5.100	91	41645	0.9886553 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	3170	0.8933842 ppb	#	3
54) 1,1,2-TRICHLOROETHANE	5.464	97	7930	1.0051830 ppb		95
55) TETRACHLOROETHENE	5.358	164	6996	0.9674379 ppb		96
56) 1,3-Dichloropropane	5.647	76	15318	1.0170914 ppb		96
57) 2-HEXANONE	5.869	58	16187	4.4678533 ppb		95
58) CHLORODIBROMOMETHANE	5.589	129	8576	0.9625078 ppb		95
59) 1,2-DIBROMOETHANE	5.759	107	8237	1.0184755 ppb		97
60) CHLOROBENZENE	6.107	112	24842	0.9347392 ppb		98
61) 1,1,1,2-TETRACHLOROETHANE	6.145	133	7789	0.8746643 ppb	#	93
62) ETHYLBENZENE	6.110	106	14272	0.9641908 ppb		97
63) M&P-XYLENE	6.210	106	31549	1.7391569 ppb		98
64) O-XYLENE	6.518	106	17726	1.0064253 ppb		88
65) STYRENE	6.554	104	24616	0.8651127 ppb		98
66) Bromoform	6.586	173	5037	0.8758267 ppb		99
67) Isopropylbenzene	6.737	105	40839	0.8885411 ppb		99
69) Bromobenzene	7.042	77	17237	0.8498496 ppb		97
70) 1,1,2,2-TETRACHLOROETHANE	7.094	83	9277	0.8453955 ppb		98
71) 1,2,3-TRICHLOROPROPANE	7.203	110	2325	0.7640585 ppb		96
72) TRANS-1,4-DICHLORO-2-B...	7.226	53	2579	0.8544229 ppb	#	91
73) n-Propylbenzene	7.042	91	46389	0.8628644 ppb		99
74) 4-ETHYLTOLUENE	7.123	105	36933	0.8575498 ppb		99
75) 2-Chlorotoluene	7.174	126	10043	0.9422041 ppb		90
76) 4-Chlorotoluene	7.296	91	29231	0.9098776 ppb		98
77) 1,3,5-Trimethylbenzene	7.184	105	32299	0.8521911 ppb		99
78) tert-Butylbenzene	7.431	119	27412	0.8593185 ppb		99
79) 1,2,4-Trimethylbenzene	7.483	105	32658	0.8773333 ppb		99
80) sec-Butylbenzene	7.570	105	43210	0.8612688 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	16843	0.8740695 ppb		99
82) p-Isopropyltoluene	7.673	119	33932	0.8318758 ppb		98
83) DICYCLOPENTADIENE	7.669	66	40895	0.8460441 ppb		99
85) 1,4-DICHLOROBENZENE	7.821	146	17077	0.9903098 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	35036	1.0196952 ppb		98
87) 1,2-DICHLOROBENZENE	8.155	146	15514	0.9765708 ppb		98
88) n-Butylbenzene	8.007	91	31342	0.9507812 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.795	157	1712	0.9222882 ppb		88
90) 1,2,4-Trichlorobenzene	9.354	180	10292	1.0068566 ppb		98
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	5802	1.0035700 ppb		96
92) Naphthalene	9.627	128	25176	1.0292751 ppb		96
93) 1,2,3-Trichlorobenzene	9.785	180	10027	1.0657387 ppb		95
94) 1-Methylnaphthalene	10.496	142	13054	1.0029549 ppb		99
95) 2-Methylnaphthalene	10.615	142	10763	1.0020722 ppb	#	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 09.D
Acq On : 11 Jul 2014 6:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:52:54 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

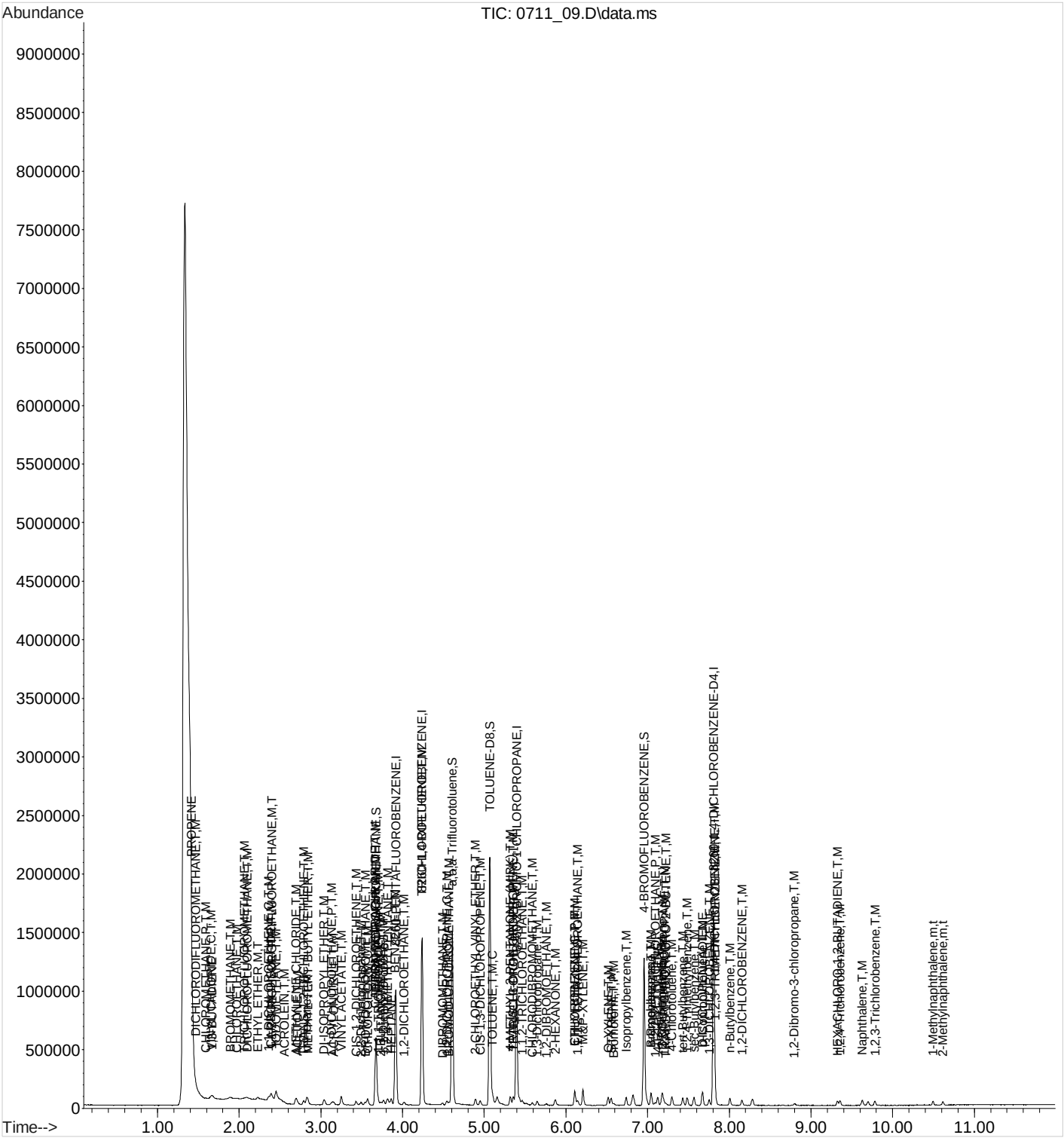
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	d
100)	Methyl Acetate	0.000		0	N.D.	d
101)	ACETONITRILE	0.000		0	N.D.	d
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	d
104)	chloroprene	0.000		0	N.D.	d
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	0.000		0	N.D.	d
108)	METHACRYLONITRILE	0.000		0	N.D.	d
109)	Cyclohexane	0.000		0	N.D.	d
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	0.000		0	N.D.	d
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	0.000		0	N.D.	d
117)	2-nitropropane	0.000		0	N.D.	d
118)	METHYL METHACRYLATE	0.000		0	N.D.	d
119)	1,4-DIOXANE	0.000		0	N.D.	d
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	d
127)	Hexachloroethane	0.000		0	N.D.	d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 09.D
Acq On : 11 Jul 2014 6:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:52:54 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 10.D
Acq On : 11 Jul 2014 7:09 pm
Operator : 644
Sample : STD VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:18 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	480482	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	852998	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	151245	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	370807	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	480482	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	852998	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	151245	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	370807	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	283683	41.1116683 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 102.78%		
46) a,a,a-Trifluorotoluene	4.608	146	501709	42.4915529 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 106.23%		
50) TOLUENE-D8	5.068	98	1151922	42.0522470 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 105.13%		
68) 4-BROMOFLUOROBENZENE	6.956	95	410594	40.4003069 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 101.00%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -6996389m		Below Cal	
3) PROPENE	1.406	41	5449	1.9610568 ppb #	28
4) DICHLORODIFLUOROMETHANE	1.464	85	15291	1.7757955 ppb	91
5) CHLOROMETHANE	1.583	50	27253	2.0368423 ppb	98
6) VINYL CHLORIDE	1.650	62	27856	1.8977425 ppb	98
7) 1,3-BUTADIENE	1.666	39	22778	1.9526285 ppb	91
8) BROMOMETHANE	1.882	94	15127	1.8602492 ppb	99
9) CHLOROETHANE	1.965	66	4970	1.8400012 ppb	97
10) TRICHLOROFLUOROMETHANE	2.059	101	24567	1.9266747 ppb #	98
11) DICHLOROFLUOROMETHANE	2.088	67	35867	1.9266735 ppb	93
12) ETHYL ETHER	2.226	59	17681	1.9310027 ppb	97
13) ACROLEIN	2.547	56	14967	9.9700655 ppb	92
14) 1,1-DICHLOROETHENE	2.358	61	33765	1.8864218 ppb	97
15) 1,1,2-TRICHLOROTRIFLUO...	2.390	101	19054	1.9089913 ppb	99
16) ACETONE	2.715	43	28159	11.8584973 ppb	93
17) IODOMETHANE	2.448	142	167152	9.5063508 ppb	99
18) CARBON DISULFIDE	2.387	76	78788	1.9851674 ppb #	95
19) METHYLENE CHLORIDE	2.692	84	29670	2.7423252 ppb	99
20) ACRYLONITRILE	3.152	53	30431	9.5044105 ppb	95
21) n-Hexane	2.827	56	19761	1.9519067 ppb	88
22) TRANS-1,2-DICHLOROETHENE	2.785	96	19214	1.9238219 ppb	98
23) METHYL TERT-BUTYL ETHER	2.837	73	52240	1.9195595 ppb	98
24) 1,1-DICHLOROETHANE	3.129	63	37314	1.9349622 ppb	97
25) VINYL ACETATE	3.248	43	196720	9.1708984 ppb	100
26) DI-ISOPROPYL ETHER	3.039	45	67720	1.8774567 ppb	100
27) 2,2-Dichloropropane	3.489	77	22489	2.1683303 ppb	97
28) CIS-1,2-DICHLOROETHENE	3.428	96	19377	1.8506327 ppb	97
29) 2-BUTANONE (MEK)	3.734	43	37844	9.3923810 ppb	94
30) BROMOCHLOROMETHANE	3.541	130	12284	2.0314769 ppb	96
31) TETRAHYDROFURAN	3.669	42	6373	2.2122290 ppb #	83
32) CHLOROFORM	3.570	83	46060	2.6362436 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.702	97	24904	1.8433177 ppb	95
35) CARBON TETRACHLORIDE	3.666	117	25846	1.8591010 ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 10.D
Acq On : 11 Jul 2014 7:09 pm
Operator : 644
Sample : STD VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:18 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	27206	1.8622635 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	86191	1.8573872 ppb		95
38) HEPTANE	3.859	43	34316	1.6535160 ppb	#	95
39) BENZENE	3.907	78	74704	1.8636892 ppb	#	91
40) 1,2-DICHLOROETHANE	4.017	62	23134	1.8413508 ppb		99
42) TRICHLOROETHENE	4.235	130	17956	1.8576988 ppb		99
43) 1,2-DICHLOROPROPANE	4.541	62	14450	1.8885906 ppb		97
44) DIBROMOMETHANE	4.486	93	10062	1.8044855 ppb		95
45) BROMODICHLOROMETHANE	4.570	83	24568	1.8813626 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	37980	9.1486629 ppb	#	95
48) CIS-1,3-DICHLOROPROPENE	4.949	75	30379	1.8154159 ppb		96
49) 4-METHYL-2-PENTANONE (...	5.319	58	33770	9.0859496 ppb		97
51) TOLUENE	5.100	91	74627	1.8346324 ppb		97
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	6005	1.7525202 ppb	#	78
54) 1,1,2-TRICHLOROETHANE	5.464	97	14034	1.8371991 ppb		98
55) TETRACHLOROETHENE	5.357	164	12432	1.7754852 ppb		92
56) 1,3-Dichloropropane	5.647	76	28190	1.9331065 ppb		95
57) 2-HEXANONE	5.869	58	31849	9.0788558 ppb		97
58) CHLORODIBROMOMETHANE	5.589	129	16442	1.9057982 ppb		98
59) 1,2-DIBROMOETHANE	5.759	107	14617	1.8665626 ppb		99
60) CHLOROBENZENE	6.107	112	47442	1.8436127 ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	16605	1.9257565 ppb	#	94
62) ETHYLBENZENE	6.110	106	26266	1.8326303 ppb		99
63) M&P-XYLENE	6.206	106	63787	3.6315174 ppb		98
64) O-XYLENE	6.515	106	33218	1.9478122 ppb		93
65) STYRENE	6.554	104	48050	1.7440196 ppb		99
66) Bromoform	6.586	173	9835	1.7661330 ppb		95
67) Isopropylbenzene	6.737	105	79700	1.7908677 ppb		99
69) Bromobenzene	7.042	77	35364	1.8007132 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	20084	1.8901895 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	5537	1.8792345 ppb		94
72) TRANS-1,4-DICHLORO-2-B...	7.226	53	5482	1.8757000 ppb	#	84
73) n-Propylbenzene	7.042	91	92768	1.7820854 ppb		100
74) 4-ETHYLTOLUENE	7.123	105	73744	1.7683745 ppb		100
75) 2-Chlorotoluene	7.174	126	18733	1.8150628 ppb		96
76) 4-Chlorotoluene	7.296	91	53299	1.7134093 ppb		96
77) 1,3,5-Trimethylbenzene	7.184	105	63447	1.7288679 ppb		99
78) tert-Butylbenzene	7.431	119	55241	1.7884539 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	63431	1.7598651 ppb		98
80) sec-Butylbenzene	7.566	105	85528	1.7606197 ppb		100
81) 1,3-DICHLOROBENZENE	7.753	146	33095	1.7737471 ppb		100
82) p-Isopropyltoluene	7.673	119	67130	1.6996850 ppb		99
83) DICYCLOPENTADIENE	7.669	66	79827	1.7055929 ppb		100
85) 1,4-DICHLOROBENZENE	7.820	146	33794	1.8882253 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	68456	1.9196501 ppb		98
87) 1,2-DICHLOROBENZENE	8.155	146	31954	1.9380273 ppb		97
88) n-Butylbenzene	8.007	91	62389	1.8235455 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.798	157	3643	1.8909357 ppb		93
90) 1,2,4-Trichlorobenzene	9.354	180	20724	1.9534223 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	12015	2.0023889 ppb		98
92) Naphthalene	9.624	128	49559	1.9521895 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	19774	2.0250182 ppb		97
94) 1-Methylnaphthalene	10.492	142	26655	1.9732004 ppb		99
95) 2-Methylnaphthalene	10.615	142	21158	1.8979946 ppb		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 10.D
Acq On : 11 Jul 2014 7:09 pm
Operator : 644
Sample : STD VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:18 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

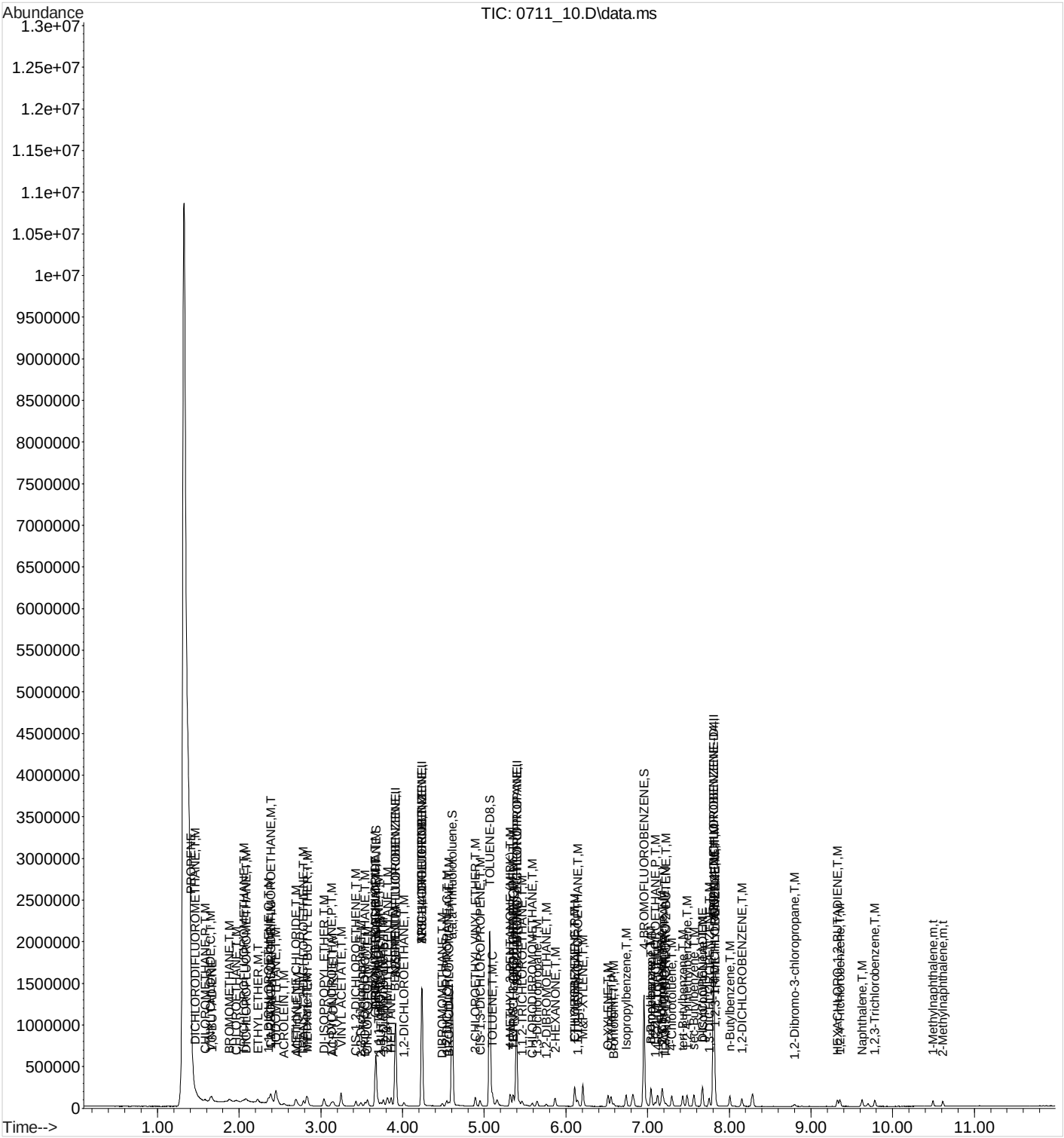
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.628	45	971	No Calib	#
100)	Methyl Acetate	2.827	43	31199	No Calib	#
101)	ACETONITRILE	3.039	41	10606	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.878	59	1265	No Calib	#
104)	chloroprene	3.152	53	30431	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.669	43	1944	No Calib	#
108)	METHACRYLONITRILE	3.914	67	1745	No Calib	#
109)	Cyclohexane	3.570	84	1730	No Calib	#
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.962	43	512	No Calib	#
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.907	73	2359	No Calib	#
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	10424	No Calib	#
117)	2-nitropropane	5.239	43	807	No Calib	#
118)	METHYL METHACRYLATE	4.541	41	11359	No Calib	#
119)	1,4-DIOXANE	4.682	88	3547	No Calib	#
120)	n-octane	4.956	85	574	No Calib	#
121)	3,3-DIMETHYL-1-BUTANOL	5.869	57	10926	No Calib	#
123)	ETHYL METHACRYLATE	5.316	69	982	No Calib	#
124)	CIS-1,4-DICHLORO-2-BUTENE	7.042	53	665	No Calib	#
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.483	117	2499	No Calib	#
127)	Hexachloroethane	8.132	117	562	No Calib	#

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 10.D
Acq On : 11 Jul 2014 7:09 pm
Operator : 644
Sample : STD VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:18 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 10.D
Acq On : 11 Jul 2014 7:09 pm
Operator : 644
Sample : STD VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:53:14 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
	Internal Standards					
1)	8260-PENTAFLUOROBENZENE	3.914	168	480482	40.0000000 ppb	0.00
41)	8260-1,4-DIFLUOROBENZENE	4.235	114	852998	40.0000000 ppb	0.00
53)	8260-2-BROMO-1-CHLOROP...	5.396	79	151245	40.0000000 ppb	0.00
84)	8260-1,4-DICHLOROBENZE...	7.808	152	370807	40.0000000 ppb	0.00
96)	AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.91
114)	AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.24
122)	AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.39
128)	AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.81
	System Monitoring Compounds					
33)	DIBROMOFLUOROMETHANE	3.673	111	283683	41.1116683 ppb	0.00
	Spiked Amount 40.000	Range 78 - 121		Recovery = 102.78%		
46)	a,a,a-Trifluorotoluene	4.608	146	501709	42.4915529 ppb	0.00
	Spiked Amount 40.000	Range 85 - 114		Recovery = 106.23%		
50)	TOLUENE-D8	5.068	98	1151922	42.0522470 ppb	0.00
	Spiked Amount 40.000	Range 89 - 111		Recovery = 105.13%		
68)	4-BROMOFLUOROBENZENE	6.956	95	410594	40.4003069 ppb	0.00
	Spiked Amount 40.000	Range 71 - 126		Recovery = 101.00%		
	Target Compounds					Qvalue
2)	TPH (GC/MS) LOW FRACTION	4.096	TIC	-6996389m	Below Cal	
3)	PROPENE	1.406	41	5449	1.9610568 ppb #	28
4)	DICHLORODIFLUOROMETHANE	1.464	85	15291	1.7757955 ppb	91
5)	CHLOROMETHANE	1.583	50	27253	2.0368423 ppb	98
6)	VINYL CHLORIDE	1.650	62	27856	1.8977425 ppb	98
7)	1,3-BUTADIENE	1.666	39	22778	1.9526285 ppb	91
8)	BROMOMETHANE	1.882	94	15127	1.8602492 ppb	99
9)	CHLOROETHANE	1.965	66	4970	1.8400012 ppb	97
10)	TRICHLOROFLUOROMETHANE	2.059	101	24567	1.9266747 ppb #	98
11)	DICHLOROFLUOROMETHANE	2.088	67	35867	1.9266735 ppb	93
12)	ETHYL ETHER	2.226	59	17681	1.9310027 ppb	97
13)	ACROLEIN	2.547	56	14967	9.9700655 ppb	92
14)	1,1-DICHLOROETHENE	2.358	61	33765	1.8864218 ppb	97
15)	1,1,2-TRICHLOROTRIFLUO...	2.390	101	19054	1.9089913 ppb	99
16)	ACETONE	2.715	43	28159	11.8584973 ppb	93
17)	IODOMETHANE	2.448	142	167152	9.5063508 ppb	99
18)	CARBON DISULFIDE	2.387	76	78788	1.9851674 ppb #	95
19)	METHYLENE CHLORIDE	2.692	84	29670	2.7423252 ppb	99
20)	ACRYLONITRILE	3.152	53	30431	9.5044105 ppb	95
21)	n-Hexane	2.827	56	19761	1.9519067 ppb	88
22)	TRANS-1,2-DICHLOROETHENE	2.785	96	19214	1.9238219 ppb	98
23)	METHYL TERT-BUTYL ETHER	2.837	73	52240	1.9195595 ppb	98
24)	1,1-DICHLOROETHANE	3.129	63	37314	1.9349622 ppb	97
25)	VINYL ACETATE	3.248	43	196720	9.1708984 ppb	100
26)	DI-ISOPROPYL ETHER	3.039	45	67720	1.8774567 ppb	100
27)	2,2-Dichloropropane	3.489	77	22489	2.1683303 ppb	97
28)	CIS-1,2-DICHLOROETHENE	3.428	96	19377	1.8506327 ppb	97
29)	2-BUTANONE (MEK)	3.734	43	37844	9.3923810 ppb	94
30)	BROMOCHLOROMETHANE	3.541	130	12284	2.0314769 ppb	96
31)	TETRAHYDROFURAN	3.669	42	6373	2.2122290 ppb #	83
32)	CHLOROFORM	3.570	83	46060	2.6362436 ppb	100
34)	1,1,1-TRICHLOROETHANE	3.702	97	24904	1.8433177 ppb	95
35)	CARBON TETRACHLORIDE	3.666	117	25846	1.8591010 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 10.D
Acq On : 11 Jul 2014 7:09 pm
Operator : 644
Sample : STD VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:53:14 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	27206	1.8622635 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	86191	1.8573872 ppb		95
38) HEPTANE	3.859	43	34316	1.6535160 ppb	#	95
39) BENZENE	3.907	78	74704	1.8636892 ppb	#	91
40) 1,2-DICHLOROETHANE	4.017	62	23134	1.8413508 ppb		99
42) TRICHLOROETHENE	4.235	130	17956	1.8576988 ppb		99
43) 1,2-DICHLOROPROPANE	4.541	62	14450	1.8885906 ppb		97
44) DIBROMOMETHANE	4.486	93	10062	1.8044855 ppb		95
45) BROMODICHLOROMETHANE	4.570	83	24568	1.8813626 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	37980	9.1486629 ppb	#	95
48) CIS-1,3-DICHLOROPROPENE	4.949	75	30379	1.8154159 ppb		96
49) 4-METHYL-2-PENTANONE (...	5.319	58	33770	9.0859496 ppb		97
51) TOLUENE	5.100	91	74627	1.8346324 ppb		97
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	6005	1.7525202 ppb	#	78
54) 1,1,2-TRICHLOROETHANE	5.464	97	14034	1.8371991 ppb		98
55) TETRACHLOROETHENE	5.357	164	12432	1.7754852 ppb		92
56) 1,3-Dichloropropane	5.647	76	28190	1.9331065 ppb		95
57) 2-HEXANONE	5.869	58	31849	9.0788558 ppb		97
58) CHLORODIBROMOMETHANE	5.589	129	16442	1.9057982 ppb		98
59) 1,2-DIBROMOETHANE	5.759	107	14617	1.8665626 ppb		99
60) CHLOROBENZENE	6.107	112	47442	1.8436127 ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	16605	1.9257565 ppb	#	94
62) ETHYLBENZENE	6.110	106	26266	1.8326303 ppb		99
63) M&P-XYLENE	6.206	106	63787	3.6315174 ppb		98
64) O-XYLENE	6.515	106	33218	1.9478122 ppb		93
65) STYRENE	6.554	104	48050	1.7440196 ppb		99
66) Bromoform	6.586	173	9835	1.7661330 ppb		95
67) Isopropylbenzene	6.737	105	79700	1.7908677 ppb		99
69) Bromobenzene	7.042	77	35364	1.8007132 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	20084	1.8901895 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	5537	1.8792345 ppb		94
72) TRANS-1,4-DICHLORO-2-B...	7.226	53	5482	1.8757000 ppb	#	84
73) n-Propylbenzene	7.042	91	92768	1.7820854 ppb		100
74) 4-ETHYLTOLUENE	7.123	105	73744	1.7683745 ppb		100
75) 2-Chlorotoluene	7.174	126	18733	1.8150628 ppb		96
76) 4-Chlorotoluene	7.296	91	53299	1.7134093 ppb		96
77) 1,3,5-Trimethylbenzene	7.184	105	63447	1.7288679 ppb		99
78) tert-Butylbenzene	7.431	119	55241	1.7884539 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	63431	1.7598651 ppb		98
80) sec-Butylbenzene	7.566	105	85528	1.7606197 ppb		100
81) 1,3-DICHLOROBENZENE	7.753	146	33095	1.7737471 ppb		100
82) p-Isopropyltoluene	7.673	119	67130	1.6996850 ppb		99
83) DICYCLOPENTADIENE	7.669	66	79827	1.7055929 ppb		100
85) 1,4-DICHLOROBENZENE	7.820	146	33794	1.8882253 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	68456	1.9196501 ppb		98
87) 1,2-DICHLOROBENZENE	8.155	146	31954	1.9380273 ppb		97
88) n-Butylbenzene	8.007	91	62389	1.8235455 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.798	157	3643	1.8909357 ppb		93
90) 1,2,4-Trichlorobenzene	9.354	180	20724	1.9534223 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	12015	2.0023889 ppb		98
92) Naphthalene	9.624	128	49559	1.9521895 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	19774	2.0250182 ppb		97
94) 1-Methylnaphthalene	10.492	142	26655	1.9732004 ppb		99
95) 2-Methylnaphthalene	10.615	142	21158	1.8979946 ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 10.D
Acq On : 11 Jul 2014 7:09 pm
Operator : 644
Sample : STD VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:53:14 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

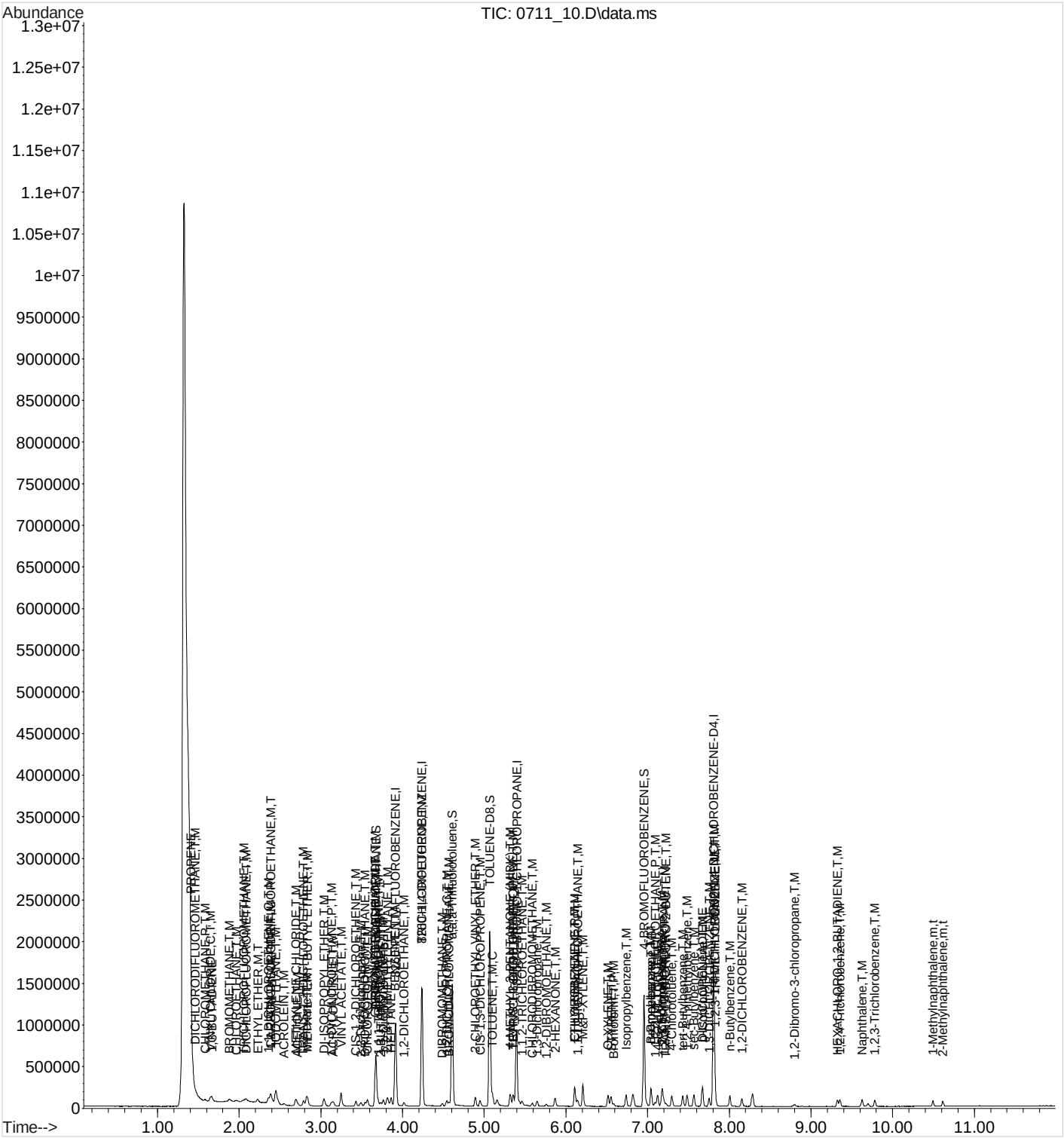
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	d
100)	Methyl Acetate	0.000		0	N.D.	d
101)	ACETONITRILE	0.000		0	N.D.	d
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	d
104)	chloroprene	0.000		0	N.D.	d
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	0.000		0	N.D.	d
108)	METHACRYLONITRILE	0.000		0	N.D.	d
109)	Cyclohexane	0.000		0	N.D.	d
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	0.000		0	N.D.	d
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	0.000		0	N.D.	d
117)	2-nitropropane	0.000		0	N.D.	d
118)	METHYL METHACRYLATE	0.000		0	N.D.	d
119)	1,4-DIOXANE	0.000		0	N.D.	d
120)	n-octane	0.000		0	N.D.	d
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d
123)	ETHYL METHACRYLATE	0.000		0	N.D.	d
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	d
127)	Hexachloroethane	0.000		0	N.D.	d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 10.D
Acq On : 11 Jul 2014 7:09 pm
Operator : 644
Sample : STD VMS 2 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:53:14 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 11.D
Acq On : 11 Jul 2014 7:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	468049	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	827909	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	145584	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	346638	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	468049	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	827909	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	145584	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	346638	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.670	111	280372	41.7111563 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 104.28%		
46) a,a,a-Trifluorotoluene	4.605	146	483360	42.1780822 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 105.45%		
50) TOLUENE-D8	5.065	98	1142558	42.9743977 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 107.44%		
68) 4-BROMOFLUOROBENZENE	6.956	95	399482	40.8353855 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 102.09%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -5997921m		Below Cal	
3) PROPENE	1.406	41	14202	5.2469711 ppb #	82
4) DICHLORODIFLUOROMETHANE	1.461	85	39874	4.7537098 ppb	98
5) CHLOROMETHANE	1.586	50	63474	4.8699528 ppb	99
6) VINYL CHLORIDE	1.650	62	70881	4.9571740 ppb	99
7) 1,3-BUTADIENE	1.666	39	57657	5.0738997 ppb	97
8) BROMOMETHANE	1.882	94	35487	4.4799526 ppb	99
9) CHLOROETHANE	1.972	66	12644	4.8054271 ppb	93
10) TRICHLOROFLUOROMETHANE	2.059	101	57587	4.6362464 ppb	99
11) DICHLOROFLUOROMETHANE	2.091	67	84777	4.6749495 ppb	98
12) ETHYL ETHER	2.223	59	43477	4.8744030 ppb	98
13) ACROLEIN	2.547	56	36015	24.6281887 ppb	97
14) 1,1-DICHLOROETHENE	2.355	61	89269	5.1198653 ppb	98
15) 1,1,2-TRICHLOROTRIFLUO...	2.396	101	48175	4.9547907 ppb	97
16) ACETONE	2.711	43	61706	26.6763022 ppb	96
17) IODOMETHANE	2.448	142	413268	24.1279175 ppb	100
18) CARBON DISULFIDE	2.383	76	192634	4.9825974 ppb	99
19) METHYLENE CHLORIDE	2.689	84	60068	5.6994162 ppb	100
20) ACRYLONITRILE	3.149	53	73983	23.7206562 ppb	98
21) n-Hexane	2.824	56	48303	4.8979015 ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.785	96	47917	4.9251845 ppb	100
23) METHYL TERT-BUTYL ETHER	2.837	73	127995	4.8281107 ppb	98
24) 1,1-DICHLOROETHANE	3.129	63	93922	4.9998136 ppb	100
25) VINYL ACETATE	3.245	43	487953	23.3521656 ppb	100
26) DI-ISOPROPYL ETHER	3.036	45	169628	4.8276561 ppb	100
27) 2,2-Dichloropropane	3.490	77	52555	5.2018179 ppb	94
28) CIS-1,2-DICHLOROETHENE	3.428	96	50313	4.9328703 ppb	99
29) 2-BUTANONE (MEK)	3.731	43	93742	23.8835392 ppb	98
30) BROMOCHLOROMETHANE	3.538	130	28872	4.9015647 ppb	95
31) TETRAHYDROFURAN	3.666	42	14128	5.0344572 ppb	92
32) CHLOROFORM	3.570	83	94977	5.5804066 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.699	97	61453	4.6693881 ppb	97
35) CARBON TETRACHLORIDE	3.663	117	66819	4.9339578 ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 11.D
Acq On : 11 Jul 2014 7:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36)	1,1-Dichloropropene	3.763	75	71538	5.0268860 ppb		98
37)	2,2,4-TRIMETHYLPENTANE	3.814	57	217016	4.8008494 ppb		97
38)	HEPTANE	3.859	43	96882	4.7922629 ppb	#	100
39)	BENZENE	3.904	78	194164	4.9726072 ppb		97
40)	1,2-DICHLOROETHANE	4.014	62	59120	4.8306551 ppb		99
42)	TRICHLOROETHENE	4.232	130	45249	4.8232536 ppb		99
43)	1,2-DICHLOROPROPANE	4.538	62	36528	4.9188240 ppb		98
44)	DIBROMOMETHANE	4.486	93	25948	4.7944454 ppb		98
45)	BROMODICHLOROMETHANE	4.567	83	60419	4.7669615 ppb		94
47)	2-CHLOROETHYL VINYL ETHER	4.891	63	97779	24.2668646 ppb		98
48)	CIS-1,3-DICHLOROPROPENE	4.949	75	78942	4.8604468 ppb		100
49)	4-METHYL-2-PENTANONE (...	5.316	58	83651	23.1886684 ppb		97
51)	TOLUENE	5.100	91	193494	4.9010146 ppb		97
52)	TRANS-1,3-DICHLOROPROPENE	5.354	110	15738	4.7322205 ppb		92
54)	1,1,2-TRICHLOROETHANE	5.461	97	35498	4.8277637 ppb		99
55)	TETRACHLOROETHENE	5.354	164	32583	4.8343102 ppb		98
56)	1,3-Dichloropropane	5.647	76	68099	4.8514194 ppb		99
57)	2-HEXANONE	5.866	58	78171	23.1498598 ppb		93
58)	CHLORODIBROMOMETHANE	5.589	129	41032	4.9409712 ppb		99
59)	1,2-DIBROMOETHANE	5.756	107	36715	4.8707432 ppb		98
60)	CHLOROBENZENE	6.107	112	121806	4.9174818 ppb		98
61)	1,1,1,2-TETRACHLOROETHANE	6.142	133	39224	4.7258697 ppb	#	97
62)	ETHYLBENZENE	6.110	106	65761	4.7666878 ppb		99
63)	M&P-XYLENE	6.206	106	161573	9.5563516 ppb		99
64)	O-XYLENE	6.515	106	79315	4.8316594 ppb		97
65)	STYRENE	6.551	104	123711	4.6648069 ppb		100
66)	Bromoform	6.586	173	25369	4.7328175 ppb		98
67)	Isopropylbenzene	6.737	105	201099	4.6944258 ppb		99
69)	Bromobenzene	7.042	77	88686	4.6914340 ppb		100
70)	1,1,2,2-TETRACHLOROETHANE	7.091	83	48035	4.6965648 ppb		100
71)	1,2,3-TRICHLOROPROPANE	7.203	110	13960	4.9222000 ppb		90
72)	TRANS-1,4-DICHLORO-2-B...	7.226	53	12581	4.4720524 ppb	#	82
73)	n-Propylbenzene	7.042	91	233252	4.6550363 ppb		100
74)	4-ETHYLTOLUENE	7.123	105	185680	4.6257276 ppb		99
75)	2-Chlorotoluene	7.174	126	46079	4.6382563 ppb		98
76)	4-Chlorotoluene	7.296	91	138397	4.6220658 ppb		99
77)	1,3,5-Trimethylbenzene	7.184	105	162828	4.6094295 ppb		100
78)	tert-Butylbenzene	7.431	119	139547	4.6935788 ppb		98
79)	1,2,4-Trimethylbenzene	7.483	105	158890	4.5797500 ppb		99
80)	sec-Butylbenzene	7.567	105	215601	4.6107905 ppb		99
81)	1,3-DICHLOROBENZENE	7.753	146	82908	4.6162905 ppb		100
82)	p-Isopropyltoluene	7.673	119	170988	4.4976413 ppb		100
83)	DICYCLOPENTADIENE	7.669	66	201050	4.4626932 ppb		100
85)	1,4-DICHLOROBENZENE	7.821	146	84405	5.0449183 ppb	#	1
86)	1,2,3-TRIMETHYLBENZENE	7.827	105	169345	5.0798943 ppb		100
87)	1,2-DICHLOROBENZENE	8.155	146	78212	5.0743428 ppb		99
88)	n-Butylbenzene	8.007	91	158822	4.9658202 ppb		100
89)	1,2-Dibromo-3-chloropr...	8.795	157	8866	4.9228552 ppb		97
90)	1,2,4-Trichlorobenzene	9.354	180	52154	5.2587429 ppb		98
91)	HEXACHLORO-1,3-BUTADIENE	9.325	225	29075	5.1834168 ppb		99
92)	Naphthalene	9.624	128	123077	5.1861861 ppb		99
93)	1,2,3-Trichlorobenzene	9.782	180	49699	5.4444475 ppb		99
94)	1-Methylnaphthalene	10.492	142	65282	5.1696093 ppb		98
95)	2-Methylnaphthalene	10.615	142	52660	5.0532755 ppb		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 11.D
Acq On : 11 Jul 2014 7:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

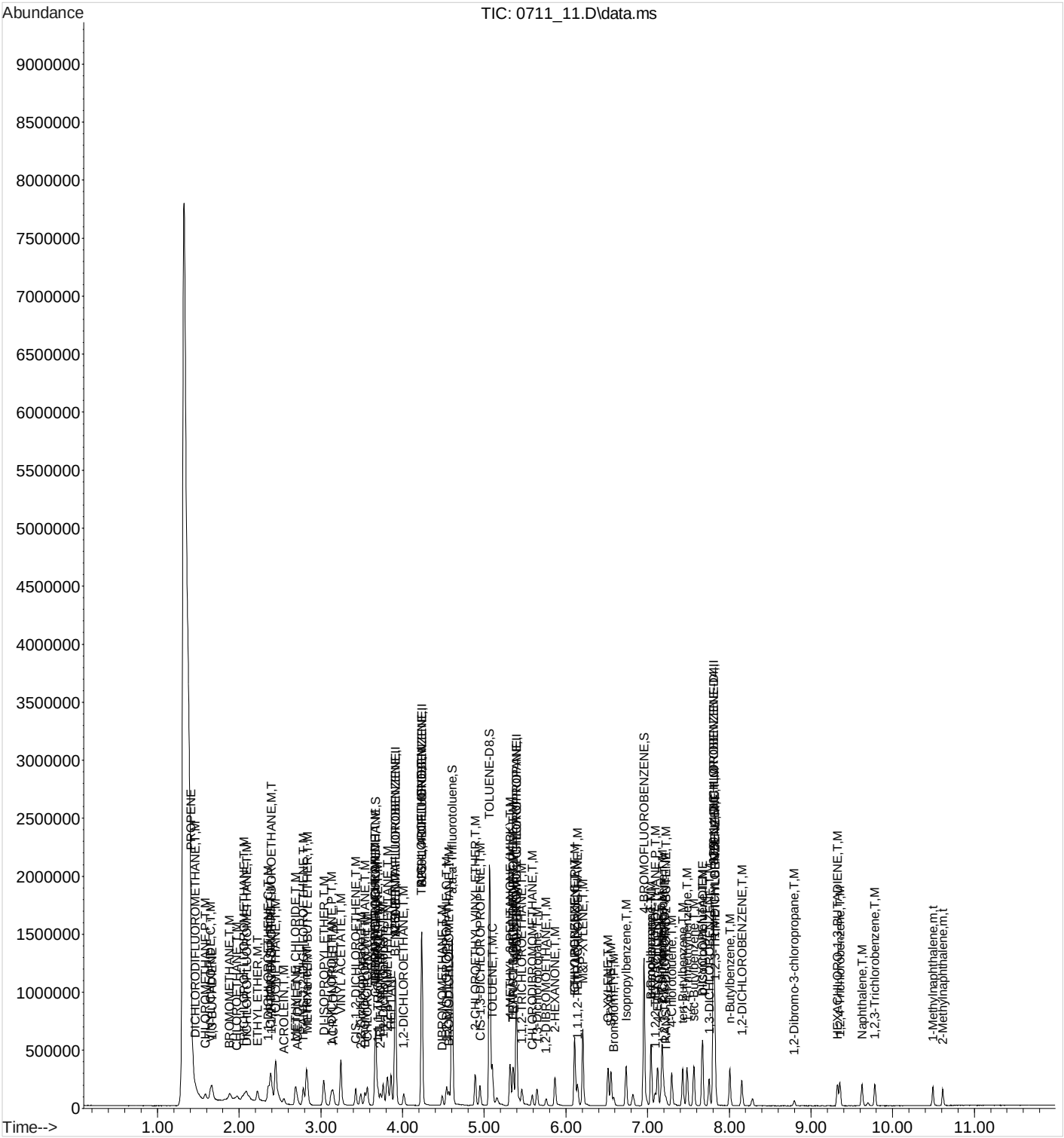
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.776	43	1577	No Calib	#
101)	ACETONITRILE	3.036	41	27534	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.875	59	505	No Calib	#
104)	chloroprene	3.149	53	73983	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	3.856	54	590	No Calib	#
107)	Ethyl Acetate	3.666	43	3098	No Calib	#
108)	METHACRYLONITRILE	3.911	67	1384	No Calib	#
109)	Cyclohexane	3.567	84	3857	No Calib	#
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.908	73	4333	No Calib	#
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	10320	No Calib	#
117)	2-nitropropane	5.316	43	218164	No Calib	#
118)	METHYL METHACRYLATE	4.711	41	554	No Calib	#
119)	1,4-DIOXANE	4.682	88	3656	No Calib	
120)	n-octane	4.949	85	1224	No Calib	#
121)	3,3-DIMETHYL-1-BUTANOL	5.866	57	28043	No Calib	#
123)	ETHYL METHACRYLATE	5.483	69	540	No Calib	#
124)	CIS-1,4-DICHLORO-2-BUTENE	6.997	53	688	No Calib	#
125)	Cyclohexanone	7.155	55	1271	No Calib	#
126)	PENTACHLOROETHANE	7.431	117	4554	No Calib	#
127)	Hexachloroethane	8.132	117	829	No Calib	#

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 11.D
Acq On : 11 Jul 2014 7:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:23 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 11.D
Acq On : 11 Jul 2014 7:29 pm
Operator : 644
Sample : STD VMS 5.0 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:53:36 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
1)	8260-PENTAFLUOROBENZENE	3.914	168	468049	40.0000000	ppb	0.00
41)	8260-1,4-DIFLUOROBENZENE	4.235	114	827909	40.0000000	ppb	0.00
53)	8260-2-BROMO-1-CHLOROP...	5.393	79	145584	40.0000000	ppb	0.00
84)	8260-1,4-DICHLOROBENZE...	7.808	152	346638	40.0000000	ppb	0.00
96)	AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
114)	AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
122)	AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-5.39
128)	AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-7.81
	System Monitoring Compounds						
33)	DIBROMOFLUOROMETHANE	3.670	111	280372	41.7111563	ppb	0.00
	Spiked Amount 40.000	Range 78 - 121		Recovery = 104.28%			
46)	a,a,a-Trifluorotoluene	4.605	146	483360	42.1780822	ppb	0.00
	Spiked Amount 40.000	Range 85 - 114		Recovery = 105.45%			
50)	TOLUENE-D8	5.065	98	1142558	42.9743977	ppb	0.00
	Spiked Amount 40.000	Range 89 - 111		Recovery = 107.44%			
68)	4-BROMOFLUOROBENZENE	6.956	95	399482	40.8353855	ppb	0.00
	Spiked Amount 40.000	Range 71 - 126		Recovery = 102.09%			
	Target Compounds						Qvalue
2)	TPH (GC/MS) LOW FRACTION	4.096	TIC	-5997921m	Below Cal		
3)	PROPENE	1.406	41	14202	5.2469711	ppb #	82
4)	DICHLORODIFLUOROMETHANE	1.461	85	39874	4.7537098	ppb	98
5)	CHLOROMETHANE	1.586	50	63474	4.8699528	ppb	99
6)	VINYL CHLORIDE	1.650	62	70881	4.9571740	ppb	99
7)	1,3-BUTADIENE	1.666	39	57657	5.0738997	ppb	97
8)	BROMOMETHANE	1.882	94	35487	4.4799526	ppb	99
9)	CHLOROETHANE	1.972	66	12644	4.8054271	ppb	93
10)	TRICHLOROFLUOROMETHANE	2.059	101	57587	4.6362464	ppb	99
11)	DICHLOROFLUOROMETHANE	2.091	67	84777	4.6749495	ppb	98
12)	ETHYL ETHER	2.223	59	43477	4.8744030	ppb	98
13)	ACROLEIN	2.547	56	36015	24.6281887	ppb	97
14)	1,1-DICHLOROETHENE	2.355	61	89269	5.1198653	ppb	98
15)	1,1,2-TRICHLOROTRIFLUO...	2.396	101	48175	4.9547907	ppb	97
16)	ACETONE	2.711	43	61706	26.6763022	ppb	96
17)	IODOMETHANE	2.448	142	413268	24.1279175	ppb	100
18)	CARBON DISULFIDE	2.383	76	192634	4.9825974	ppb	99
19)	METHYLENE CHLORIDE	2.689	84	60068	5.6994162	ppb	100
20)	ACRYLONITRILE	3.149	53	73983	23.7206562	ppb	98
21)	n-Hexane	2.824	56	48303	4.8979015	ppb	98
22)	TRANS-1,2-DICHLOROETHENE	2.785	96	47917	4.9251845	ppb	100
23)	METHYL TERT-BUTYL ETHER	2.837	73	127995	4.8281107	ppb	98
24)	1,1-DICHLOROETHANE	3.129	63	93922	4.9998136	ppb	100
25)	VINYL ACETATE	3.245	43	487953	23.3521656	ppb	100
26)	DI-ISOPROPYL ETHER	3.036	45	169628	4.8276561	ppb	100
27)	2,2-Dichloropropane	3.490	77	52555	5.2018179	ppb	94
28)	CIS-1,2-DICHLOROETHENE	3.428	96	50313	4.9328703	ppb	99
29)	2-BUTANONE (MEK)	3.731	43	93742	23.8835392	ppb	98
30)	BROMOCHLOROMETHANE	3.538	130	28872	4.9015647	ppb	95
31)	TETRAHYDROFURAN	3.666	42	14128	5.0344572	ppb	92
32)	CHLOROFORM	3.570	83	94977	5.5804066	ppb	99
34)	1,1,1-TRICHLOROETHANE	3.699	97	61453	4.6693881	ppb	97
35)	CARBON TETRACHLORIDE	3.663	117	66819	4.9339578	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 11.D
Acq On : 11 Jul 2014 7:29 pm
Operator : 644
Sample : STD VMS 5.0 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:53:36 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	71538	5.0268860 ppb		98
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	217016	4.8008494 ppb		97
38) HEPTANE	3.859	43	96882	4.7922629 ppb	#	100
39) BENZENE	3.904	78	194164	4.9726072 ppb		97
40) 1,2-DICHLOROETHANE	4.014	62	59120	4.8306551 ppb		99
42) TRICHLOROETHENE	4.232	130	45249	4.8232536 ppb		99
43) 1,2-DICHLOROPROPANE	4.538	62	36528	4.9188240 ppb		98
44) DIBROMOMETHANE	4.486	93	25948	4.7944454 ppb		98
45) BROMODICHLOROMETHANE	4.567	83	60419	4.7669615 ppb		94
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	97779	24.2668646 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.949	75	78942	4.8604468 ppb		100
49) 4-METHYL-2-PENTANONE (...	5.316	58	83651	23.1886684 ppb		97
51) TOLUENE	5.100	91	193494	4.9010146 ppb		97
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	15738	4.7322205 ppb		92
54) 1,1,2-TRICHLOROETHANE	5.461	97	35498	4.8277637 ppb		99
55) TETRACHLOROETHENE	5.354	164	32583	4.8343102 ppb		98
56) 1,3-Dichloropropane	5.647	76	68099	4.8514194 ppb		99
57) 2-HEXANONE	5.866	58	78171	23.1498598 ppb		93
58) CHLORODIBROMOMETHANE	5.589	129	41032	4.9409712 ppb		99
59) 1,2-DIBROMOETHANE	5.756	107	36715	4.8707432 ppb		98
60) CHLOROBENZENE	6.107	112	121806	4.9174818 ppb		98
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	39224	4.7258697 ppb	#	97
62) ETHYLBENZENE	6.110	106	65761	4.7666878 ppb		99
63) M&P-XYLENE	6.206	106	161573	9.5563516 ppb		99
64) O-XYLENE	6.515	106	79315	4.8316594 ppb		97
65) STYRENE	6.551	104	123711	4.6648069 ppb		100
66) Bromoform	6.586	173	25369	4.7328175 ppb		98
67) Isopropylbenzene	6.737	105	201099	4.6944258 ppb		99
69) Bromobenzene	7.042	77	88686	4.6914340 ppb		100
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	48035	4.6965648 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	13960	4.9222000 ppb		90
72) TRANS-1,4-DICHLORO-2-B...	7.226	53	12581	4.4720524 ppb	#	82
73) n-Propylbenzene	7.042	91	233252	4.6550363 ppb		100
74) 4-ETHYLTOLUENE	7.123	105	185680	4.6257276 ppb		99
75) 2-Chlorotoluene	7.174	126	46079	4.6382563 ppb		98
76) 4-Chlorotoluene	7.296	91	138397	4.6220658 ppb		99
77) 1,3,5-Trimethylbenzene	7.184	105	162828	4.6094295 ppb		100
78) tert-Butylbenzene	7.431	119	139547	4.6935788 ppb		98
79) 1,2,4-Trimethylbenzene	7.483	105	158890	4.5797500 ppb		99
80) sec-Butylbenzene	7.567	105	215601	4.6107905 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	82908	4.6162905 ppb		100
82) p-Isopropyltoluene	7.673	119	170988	4.4976413 ppb		100
83) DICYCLOPENTADIENE	7.669	66	201050	4.4626932 ppb		100
85) 1,4-DICHLOROBENZENE	7.821	146	84405	5.0449183 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	169345	5.0798943 ppb		100
87) 1,2-DICHLOROBENZENE	8.155	146	78212	5.0743428 ppb		99
88) n-Butylbenzene	8.007	91	158822	4.9658202 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.795	157	8866	4.9228552 ppb		97
90) 1,2,4-Trichlorobenzene	9.354	180	52154	5.2587429 ppb		98
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	29075	5.1834168 ppb		99
92) Naphthalene	9.624	128	123077	5.1861861 ppb		99
93) 1,2,3-Trichlorobenzene	9.782	180	49699	5.4444475 ppb		99
94) 1-Methylnaphthalene	10.492	142	65282	5.1696093 ppb		98
95) 2-Methylnaphthalene	10.615	142	52660	5.0532755 ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 11.D
Acq On : 11 Jul 2014 7:29 pm
Operator : 644
Sample : STD VMS 5.0 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:53:36 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

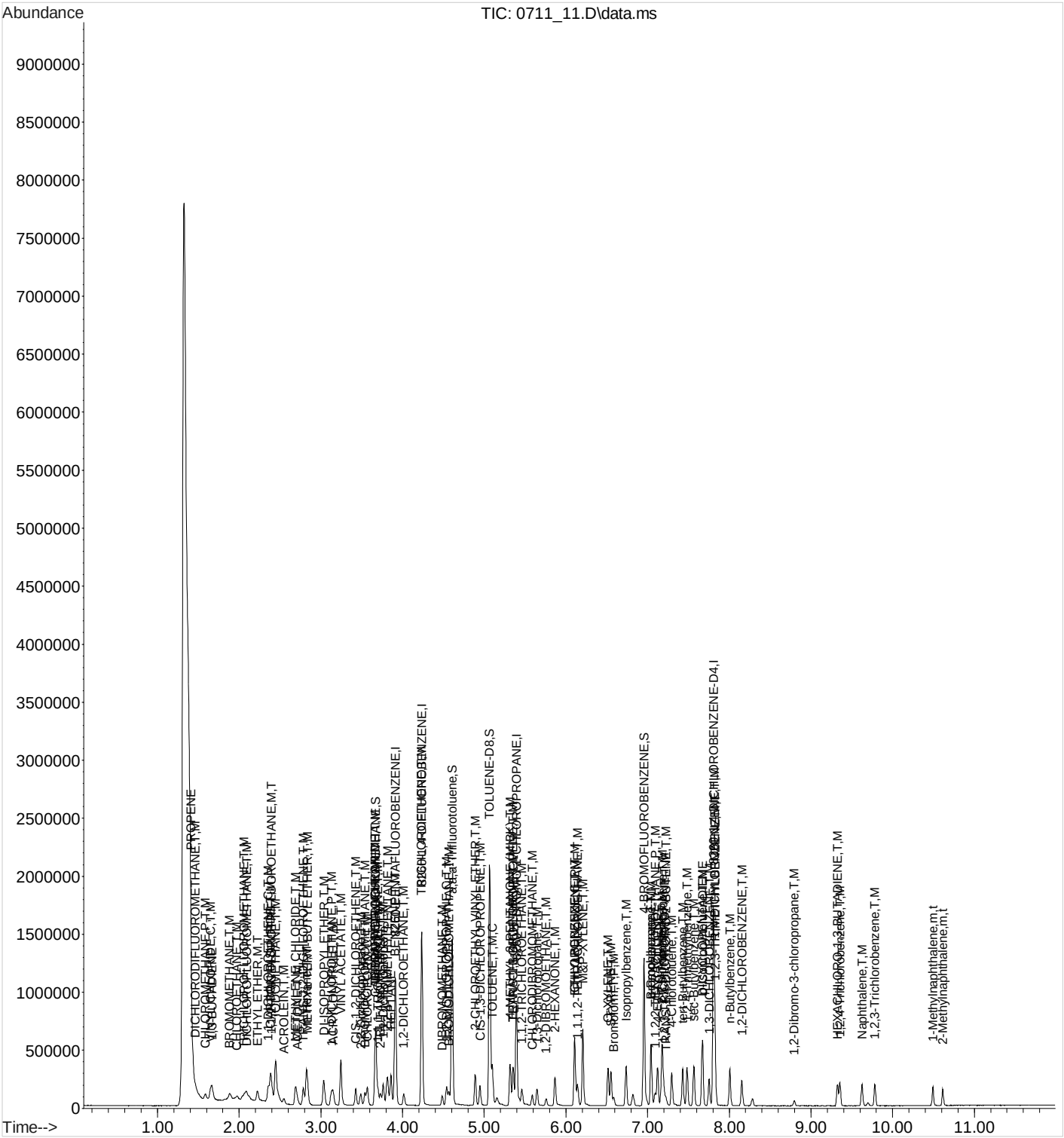
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	0.000		0	N.D.		
99)	2-PROPANOL	0.000		0	N.D.		
100)	Methyl Acetate	0.000		0	N.D.	d	
101)	ACETONITRILE	0.000		0	N.D.	d	
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	d	
104)	chloroprene	0.000		0	N.D.	d	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
106)	PROPIONITRILE	0.000		0	N.D.	d	
107)	Ethyl Acetate	0.000		0	N.D.	d	
108)	METHACRYLONITRILE	0.000		0	N.D.	d	
109)	Cyclohexane	0.000		0	N.D.	d	
110)	tert-butyl formate	0.000		0	N.D.		
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	0.000		0	N.D.		
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
115)	N-BUTANOL	0.000		0	N.D.		
116)	Methyl Cyclohexane	0.000		0	N.D.	d	
117)	2-nitropropane	0.000		0	N.D.	d	
118)	METHYL METHACRYLATE	0.000		0	N.D.	d	
119)	1,4-DIOXANE	0.000		0	N.D.	d	
120)	n-octane	0.000		0	N.D.	d	
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
123)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d	
125)	Cyclohexanone	0.000		0	N.D.	d	
126)	PENTACHLOROETHANE	0.000		0	N.D.	d	
127)	Hexachloroethane	0.000		0	N.D.	d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 11.D
Acq On : 11 Jul 2014 7:29 pm
Operator : 644
Sample : STD VMS 5.0 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:53:36 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 12.D
Acq On : 11 Jul 2014 7:49 pm
Operator : 644
Sample : STD VMS 10 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:28 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	447861	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	797457	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	142552	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	357665	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	447861	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	797457	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	142552	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	357665	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	282025	43.8483519 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 109.62%		
46) a,a,a-Trifluorotoluene	4.608	146	487168	44.1336863 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 110.33%		
50) TOLUENE-D8	5.065	98	1135868	44.3541986 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 110.89%		
68) 4-BROMOFLUOROBENZENE	6.956	95	411076	42.9142868 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 107.29%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	-3753362m	Below Cal	
3) PROPENE	1.406	41	28681	11.0739238 ppb	100
4) DICHLORODIFLUOROMETHANE	1.464	85	83974	10.4625074 ppb	100
5) CHLOROMETHANE	1.583	50	129601	10.3916692 ppb	99
6) VINYL CHLORIDE	1.650	62	143573	10.4936162 ppb	99
7) 1,3-BUTADIENE	1.663	39	115264	10.6006282 ppb	98
8) BROMOMETHANE	1.879	94	80501	10.6207083 ppb	99
9) CHLOROETHANE	1.969	66	26500	10.5254691 ppb	96
10) TRICHLOROFLUOROMETHANE	2.055	101	124233	10.4526668 ppb #	98
11) DICHLOROFLUOROMETHANE	2.084	67	183316	10.5644607 ppb	98
12) ETHYL ETHER	2.226	59	86295	10.1110341 ppb	97
13) ACROLEIN	2.547	56	71208	50.8892344 ppb	98
14) 1,1-DICHLOROETHENE	2.358	61	173876	10.4218683 ppb	99
15) 1,1,2-TRICHLOROTRIFLUO...	2.393	101	96024	10.3212301 ppb	98
16) ACETONE	2.711	43	115787	52.3125766 ppb	97
17) IODOMETHANE	2.448	142	849224	51.8153453 ppb	100
18) CARBON DISULFIDE	2.387	76	391285	10.5770396 ppb	99
19) METHYLENE CHLORIDE	2.692	84	109874	10.8950748 ppb	99
20) ACRYLONITRILE	3.152	53	151289	50.6932562 ppb	100
21) n-Hexane	2.824	56	98279	10.4146516 ppb	97
22) TRANS-1,2-DICHLOROETHENE	2.785	96	98053	10.5327517 ppb	98
23) METHYL TERT-BUTYL ETHER	2.837	73	260977	10.2880845 ppb	98
24) 1,1-DICHLOROETHANE	3.129	63	186556	10.3787196 ppb	99
25) VINYL ACETATE	3.245	43	1007669	50.3982136 ppb	100
26) DI-ISOPROPYL ETHER	3.036	45	341835	10.1672474 ppb	99
27) 2,2-Dichloropropane	3.489	77	107316	11.1007841 ppb	99
28) CIS-1,2-DICHLOROETHENE	3.428	96	101469	10.3968300 ppb	99
29) 2-BUTANONE (MEK)	3.731	43	188112	50.0874642 ppb	99
30) BROMOCHLOROMETHANE	3.541	130	58341	10.3509407 ppb	99
31) TETRAHYDROFURAN	3.666	42	28278	10.5309787 ppb	100
32) CHLOROFORM	3.570	83	173742	10.6684246 ppb	98
34) 1,1,1-TRICHLOROETHANE	3.698	97	131893	10.4733763 ppb	100
35) CARBON TETRACHLORIDE	3.663	117	135931	10.4896753 ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 12.D
Acq On : 11 Jul 2014 7:49 pm
Operator : 644
Sample : STD VMS 10 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:28 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	141705	10.4062797 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	448218	10.3624799 ppb		97
38) HEPTANE	3.859	43	187904	9.7136319 ppb	#	97
39) BENZENE	3.904	78	381173	10.2020078 ppb		98
40) 1,2-DICHLOROETHANE	4.017	62	118928	10.1555582 ppb		100
42) TRICHLOROETHENE	4.235	130	94219	10.4266532 ppb		99
43) 1,2-DICHLOROPROPANE	4.541	62	73068	10.2149898 ppb		100
44) DIBROMOMETHANE	4.486	93	53066	10.1794934 ppb		99
45) BROMODICHLOROMETHANE	4.570	83	125882	10.3111493 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	198537	51.1546196 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.949	75	159200	10.1762194 ppb		100
49) 4-METHYL-2-PENTANONE (...	5.316	58	172094	49.5274231 ppb		95
51) TOLUENE	5.100	91	387863	10.1993424 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	32472	10.1367748 ppb		95
54) 1,1,2-TRICHLOROETHANE	5.460	97	71371	9.9129801 ppb		99
55) TETRACHLOROETHENE	5.354	164	67904	10.2891414 ppb		99
56) 1,3-Dichloropropane	5.647	76	135115	9.8304180 ppb		98
57) 2-HEXANONE	5.866	58	166332	50.3058904 ppb		100
58) CHLORODIBROMOMETHANE	5.589	129	81606	10.0358015 ppb		100
59) 1,2-DIBROMOETHANE	5.756	107	73162	9.9123722 ppb		97
60) CHLOROBENZENE	6.104	112	245110	10.1059103 ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	81802	10.0654714 ppb	#	99
62) ETHYLBENZENE	6.110	106	135467	10.0281805 ppb		99
63) M&P-XYLENE	6.206	106	334674	20.2155536 ppb		99
64) O-XYLENE	6.515	106	160712	9.9983795 ppb		98
65) STYRENE	6.550	104	257464	9.9147598 ppb		100
66) Bromoform	6.586	173	51160	9.7473661 ppb		98
67) Isopropylbenzene	6.737	105	426411	10.1657938 ppb		99
69) Bromobenzene	7.039	77	182677	9.8690363 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	100718	10.0570347 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.203	110	28151	10.1369663 ppb		98
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	27262	9.8966854 ppb		98
73) n-Propylbenzene	7.042	91	489290	9.9725074 ppb		100
74) 4-ETHYLTOLUENE	7.120	105	390619	9.9382204 ppb		100
75) 2-Chlorotoluene	7.171	126	98032	10.0776644 ppb		97
76) 4-Chlorotoluene	7.296	91	291267	9.9343868 ppb		99
77) 1,3,5-Trimethylbenzene	7.184	105	344039	9.9464041 ppb		99
78) tert-Butylbenzene	7.428	119	286688	9.8476693 ppb		99
79) 1,2,4-Trimethylbenzene	7.483	105	340056	10.0100438 ppb		98
80) sec-Butylbenzene	7.566	105	456506	9.9703738 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	173886	9.8878448 ppb		99
82) p-Isopropyltoluene	7.673	119	361796	9.7190380 ppb		99
83) DICYCLOPENTADIENE	7.669	66	432947	9.8144965 ppb		100
85) 1,4-DICHLOROBENZENE	7.820	146	176783	10.2406186 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	350849	10.2000493 ppb		100
87) 1,2-DICHLOROBENZENE	8.155	146	162706	10.2308027 ppb		100
88) n-Butylbenzene	8.007	91	340796	10.3270087 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.795	157	18978	10.2126748 ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	110099	10.7591365 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	61473	10.6213701 ppb		99
92) Naphthalene	9.624	128	257429	10.5130419 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	100835	10.7057524 ppb		99
94) 1-Methylnaphthalene	10.492	142	135273	10.3818589 ppb		99
95) 2-Methylnaphthalene	10.615	142	110372	10.2648063 ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 12.D
Acq On : 11 Jul 2014 7:49 pm
Operator : 644
Sample : STD VMS 10 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:28 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

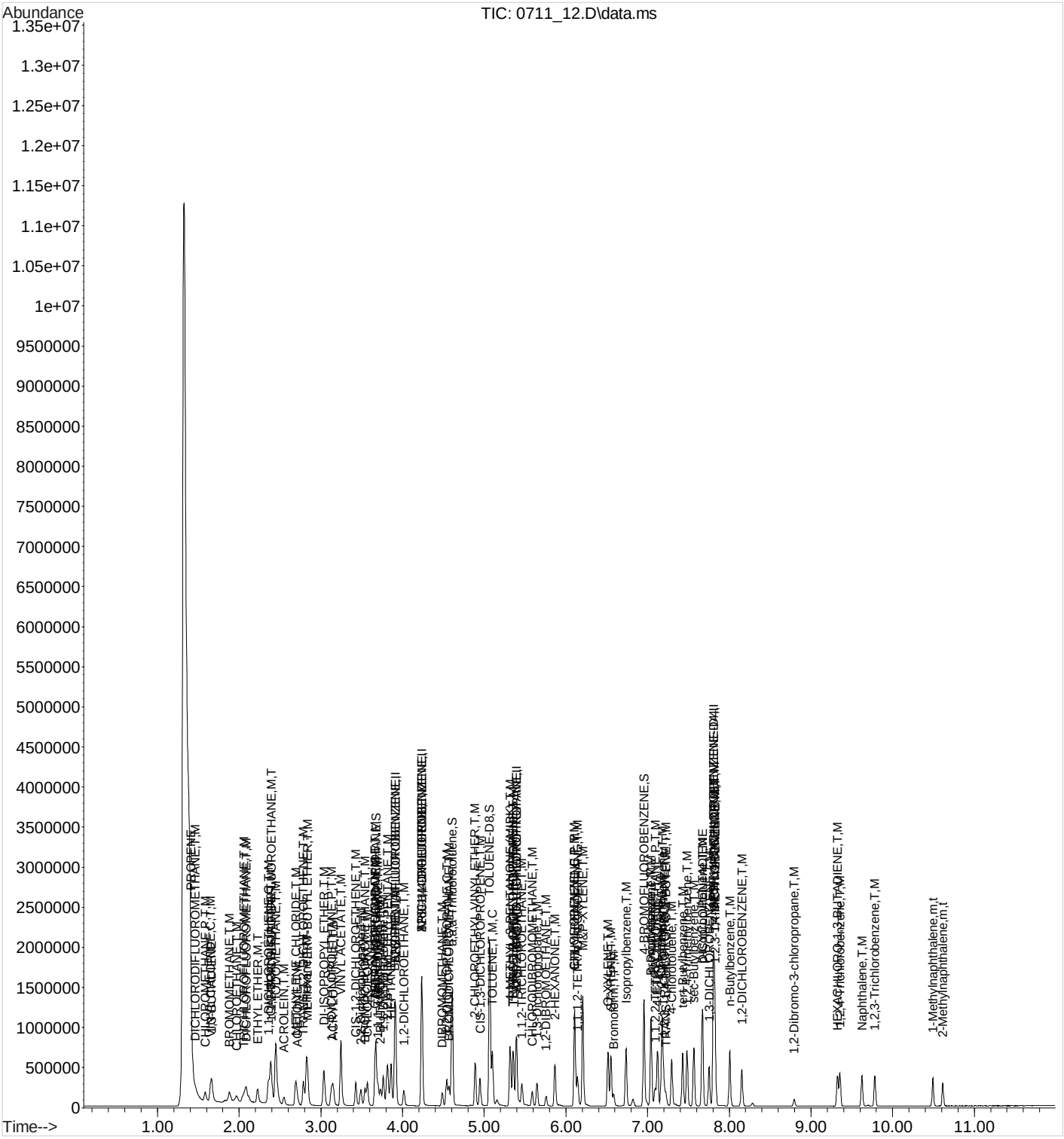
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.779	43	4303	No Calib	#
101)	ACETONITRILE	3.036	41	54191	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.885	59	1373	No Calib	#
104)	chloroprene	3.152	53	151289	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	3.187	59	968	No Calib	#
106)	PROPIONITRILE	3.859	54	1514	No Calib	#
107)	Ethyl Acetate	3.625	43	527	No Calib	#
108)	METHACRYLONITRILE	3.917	67	1291	No Calib	#
109)	Cyclohexane	3.570	84	6872	No Calib	#
110)	tert-butyl formate	3.811	59	630	No Calib	#
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	4.017	59	810	No Calib	#
113)	TERT-AMYL METHYL ETHER	3.907	73	7980	No Calib	#
115)	N-BUTANOL	4.438	56	660	No Calib	#
116)	Methyl Cyclohexane	4.235	83	11205	No Calib	#
117)	2-nitropropane	5.223	43	521	No Calib	#
118)	METHYL METHACRYLATE	4.541	41	58542	No Calib	#
119)	1,4-DIOXANE	4.686	88	2723	No Calib	#
120)	n-octane	4.949	85	2266	No Calib	#
121)	3,3-DIMETHYL-1-BUTANOL	5.866	57	58535	No Calib	#
123)	ETHYL METHACRYLATE	5.316	69	3256	No Calib	#
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	1279	No Calib	#
125)	Cyclohexanone	7.155	55	2208	No Calib	#
126)	PENTACHLOROETHANE	7.483	117	11761	No Calib	#
127)	Hexachloroethane	8.136	117	991	No Calib	#

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 12.D
Acq On : 11 Jul 2014 7:49 pm
Operator : 644
Sample : STD VMS 10 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:28 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 12.D
Acq On : 11 Jul 2014 7:49 pm
Operator : 644
Sample : STD VMS 10 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:06 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	447861	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	797457	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	142552	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	357665	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.91
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.24
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.39
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.81
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	282025	43.8483519 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 109.62%		
46) a,a,a-Trifluorotoluene	4.608	146	487168	44.1336863 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 110.33%		
50) TOLUENE-D8	5.065	98	1135868	44.3541986 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 110.89%		
68) 4-BROMOFLUOROBENZENE	6.956	95	411076	42.9142868 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 107.29%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	-3753362m	Below Cal	
3) PROPENE	1.406	41	28681	11.0739238 ppb	100
4) DICHLORODIFLUOROMETHANE	1.464	85	83974	10.4625074 ppb	100
5) CHLOROMETHANE	1.583	50	129601	10.3916692 ppb	99
6) VINYL CHLORIDE	1.650	62	143573	10.4936162 ppb	99
7) 1,3-BUTADIENE	1.663	39	115264	10.6006282 ppb	98
8) BROMOMETHANE	1.879	94	80501	10.6207083 ppb	99
9) CHLOROETHANE	1.969	66	26500	10.5254691 ppb	96
10) TRICHLOROFLUOROMETHANE	2.055	101	124233	10.4526668 ppb #	98
11) DICHLOROFLUOROMETHANE	2.084	67	183316	10.5644607 ppb	98
12) ETHYL ETHER	2.226	59	86295	10.1110341 ppb	97
13) ACROLEIN	2.547	56	71208	50.8892344 ppb	98
14) 1,1-DICHLOROETHENE	2.358	61	173876	10.4218683 ppb	99
15) 1,1,2-TRICHLOROTRIFLUO...	2.393	101	96024	10.3212301 ppb	98
16) ACETONE	2.711	43	115787	52.3125766 ppb	97
17) IODOMETHANE	2.448	142	849224	51.8153453 ppb	100
18) CARBON DISULFIDE	2.387	76	391285	10.5770396 ppb	99
19) METHYLENE CHLORIDE	2.692	84	109874	10.8950748 ppb	99
20) ACRYLONITRILE	3.152	53	151289	50.6932562 ppb	100
21) n-Hexane	2.824	56	98279	10.4146516 ppb	97
22) TRANS-1,2-DICHLOROETHENE	2.785	96	98053	10.5327517 ppb	98
23) METHYL TERT-BUTYL ETHER	2.837	73	260977	10.2880845 ppb	98
24) 1,1-DICHLOROETHANE	3.129	63	186556	10.3787196 ppb	99
25) VINYL ACETATE	3.245	43	1007669	50.3982136 ppb	100
26) DI-ISOPROPYL ETHER	3.036	45	341835	10.1672474 ppb	99
27) 2,2-Dichloropropane	3.489	77	107316	11.1007841 ppb	99
28) CIS-1,2-DICHLOROETHENE	3.428	96	101469	10.3968300 ppb	99
29) 2-BUTANONE (MEK)	3.731	43	188112	50.0874642 ppb	99
30) BROMOCHLOROMETHANE	3.541	130	58341	10.3509407 ppb	99
31) TETRAHYDROFURAN	3.666	42	28278	10.5309787 ppb	100
32) CHLOROFORM	3.570	83	173742	10.6684246 ppb	98
34) 1,1,1-TRICHLOROETHANE	3.698	97	131893	10.4733763 ppb	100
35) CARBON TETRACHLORIDE	3.663	117	135931	10.4896753 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 12.D
Acq On : 11 Jul 2014 7:49 pm
Operator : 644
Sample : STD VMS 10 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:06 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.766	75	141705	10.4062797 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	448218	10.3624799 ppb		97
38) HEPTANE	3.859	43	187904	9.7136319 ppb	#	97
39) BENZENE	3.904	78	381173	10.2020078 ppb		98
40) 1,2-DICHLOROETHANE	4.017	62	118928	10.1555582 ppb		100
42) TRICHLOROETHENE	4.235	130	94219	10.4266532 ppb		99
43) 1,2-DICHLOROPROPANE	4.541	62	73068	10.2149898 ppb		100
44) DIBROMOMETHANE	4.486	93	53066	10.1794934 ppb		99
45) BROMODICHLOROMETHANE	4.570	83	125882	10.3111493 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	198537	51.1546196 ppb		98
48) CIS-1,3-DICHLOROPROPENE	4.949	75	159200	10.1762194 ppb		100
49) 4-METHYL-2-PENTANONE (...	5.316	58	172094	49.5274231 ppb		95
51) TOLUENE	5.100	91	387863	10.1993424 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	32472	10.1367748 ppb		95
54) 1,1,2-TRICHLOROETHANE	5.460	97	71371	9.9129801 ppb		99
55) TETRACHLOROETHENE	5.354	164	67904	10.2891414 ppb		99
56) 1,3-Dichloropropane	5.647	76	135115	9.8304180 ppb		98
57) 2-HEXANONE	5.866	58	166332	50.3058904 ppb		100
58) CHLORODIBROMOMETHANE	5.589	129	81606	10.0358015 ppb		100
59) 1,2-DIBROMOETHANE	5.756	107	73162	9.9123722 ppb		97
60) CHLOROBENZENE	6.104	112	245110	10.1059103 ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	81802	10.0654714 ppb	#	99
62) ETHYLBENZENE	6.110	106	135467	10.0281805 ppb		99
63) M&P-XYLENE	6.206	106	334674	20.2155536 ppb		99
64) O-XYLENE	6.515	106	160712	9.9983795 ppb		98
65) STYRENE	6.550	104	257464	9.9147598 ppb		100
66) Bromoform	6.586	173	51160	9.7473661 ppb		98
67) Isopropylbenzene	6.737	105	426411	10.1657938 ppb		99
69) Bromobenzene	7.039	77	182677	9.8690363 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	100718	10.0570347 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.203	110	28151	10.1369663 ppb		98
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	27262	9.8966854 ppb		98
73) n-Propylbenzene	7.042	91	489290	9.9725074 ppb		100
74) 4-ETHYLTOLUENE	7.120	105	390619	9.9382204 ppb		100
75) 2-Chlorotoluene	7.171	126	98032	10.0776644 ppb		97
76) 4-Chlorotoluene	7.296	91	291267	9.9343868 ppb		99
77) 1,3,5-Trimethylbenzene	7.184	105	344039	9.9464041 ppb		99
78) tert-Butylbenzene	7.428	119	286688	9.8476693 ppb		99
79) 1,2,4-Trimethylbenzene	7.483	105	340056	10.0100438 ppb		98
80) sec-Butylbenzene	7.566	105	456506	9.9703738 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	173886	9.8878448 ppb		99
82) p-Isopropyltoluene	7.673	119	361796	9.7190380 ppb		99
83) DICYCLOPENTADIENE	7.669	66	432947	9.8144965 ppb		100
85) 1,4-DICHLOROBENZENE	7.820	146	176783	10.2406186 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	350849	10.2000493 ppb		100
87) 1,2-DICHLOROBENZENE	8.155	146	162706	10.2308027 ppb		100
88) n-Butylbenzene	8.007	91	340796	10.3270087 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.795	157	18978	10.2126748 ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	110099	10.7591365 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	61473	10.6213701 ppb		99
92) Naphthalene	9.624	128	257429	10.5130419 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	100835	10.7057524 ppb		99
94) 1-Methylnaphthalene	10.492	142	135273	10.3818589 ppb		99
95) 2-Methylnaphthalene	10.615	142	110372	10.2648063 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 12.D
Acq On : 11 Jul 2014 7:49 pm
Operator : 644
Sample : STD VMS 10 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:06 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

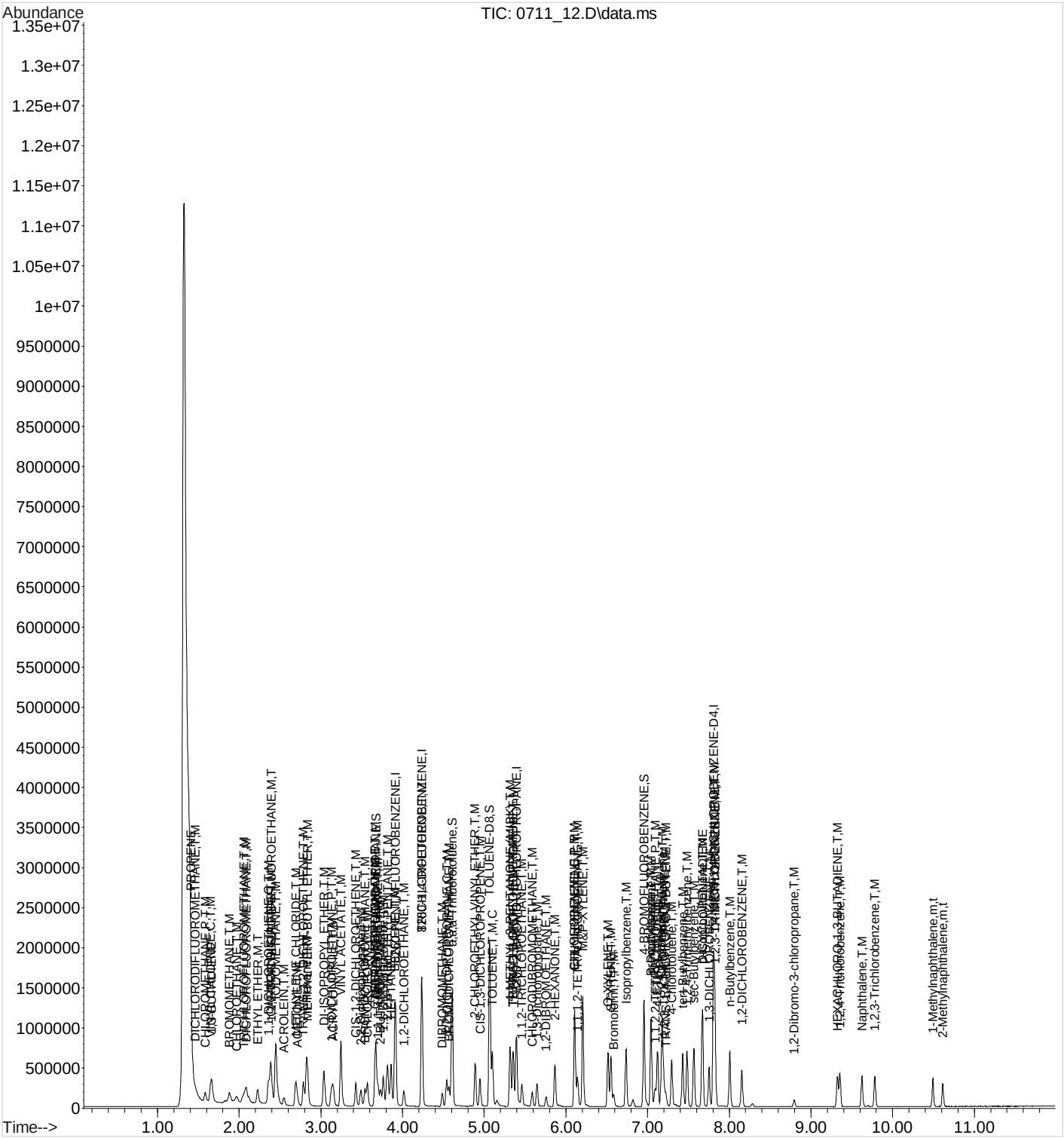
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	0.000		0	N.D.	d
101)	ACETONITRILE	0.000		0	N.D.	d
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	d
104)	chloroprene	0.000		0	N.D.	d
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d
106)	PROPIONITRILE	0.000		0	N.D.	d
107)	Ethyl Acetate	0.000		0	N.D.	d
108)	METHACRYLONITRILE	0.000		0	N.D.	d
109)	Cyclohexane	0.000		0	N.D.	d
110)	tert-butyl formate	0.000		0	N.D.	d
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	0.000		0	N.D.	d
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d
115)	N-BUTANOL	0.000		0	N.D.	d
116)	Methyl Cyclohexane	0.000		0	N.D.	d
117)	2-nitropropane	0.000		0	N.D.	d
118)	METHYL METHACRYLATE	0.000		0	N.D.	d
119)	1,4-DIOXANE	0.000		0	N.D.	d
120)	n-octane	0.000		0	N.D.	d
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d
123)	ETHYL METHACRYLATE	0.000		0	N.D.	d
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d
125)	Cyclohexanone	0.000		0	N.D.	d
126)	PENTACHLOROETHANE	0.000		0	N.D.	d
127)	Hexachloroethane	0.000		0	N.D.	d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 12.D
Acq On : 11 Jul 2014 7:49 pm
Operator : 644
Sample : STD VMS 10 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:06 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 13.D
Acq On : 11 Jul 2014 8:09 pm
Operator : 644
Sample : MSTD VMS 25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:18 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:54:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	453962	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	811471	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	144563	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.807	152	375488	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	453962	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	811471	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	144563	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.807	152	375488	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	293375	46.0816989 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 115.20%		
46) a,a,a-Trifluorotoluene	4.605	146	505460	44.8734971 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 112.18%		
50) TOLUENE-D8	5.065	98	1172658	44.9384411 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 112.35%#		
68) 4-BROMOFLUOROBENZENE	6.955	95	437136	46.7296830 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 116.82%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	9735356m	Below Cal	
3) PROPENE	1.409	41	65631	14.7493686 ppb	100
4) DICHLORODIFLUOROMETHANE	1.464	85	203388	27.5415949 ppb	100
5) CHLOROMETHANE	1.583	50	316038	23.9898684 ppb	100
6) VINYL CHLORIDE	1.650	62	346708	25.2722727 ppb	100
7) 1,3-BUTADIENE	1.663	39	275536	25.5632037 ppb	100
8) BROMOMETHANE	1.878	94	192072	26.4477303 ppb	100
9) CHLOROETHANE	1.965	66	63800	26.4083581 ppb	100
10) TRICHLOROFLUOROMETHANE	2.055	101	301180	25.1626715 ppb	100
11) DICHLOROFLUOROMETHANE	2.084	67	439713	26.0782864 ppb	100
12) ETHYL ETHER	2.222	59	216275	25.5769455 ppb	100
13) ACROLEIN	2.547	56	177292	116.5233469 ppb	100
14) 1,1-DICHLOROETHENE	2.357	61	422776	24.9562451 ppb	100
15) 1,1,2-TRICHLOROTRIFLUO...	2.390	101	235757	25.0768815 ppb	100
16) ACETONE	2.711	43	280440	81.7678151 ppb	100
17) IODOMETHANE	2.447	142	2076587	129.8923591 ppb	100
18) CARBON DISULFIDE	2.383	76	937444	22.1695117 ppb	100
19) METHYLENE CHLORIDE	2.689	84	255553	12.2976263 ppb	100
20) ACRYLONITRILE	3.148	53	378132	134.7248467 ppb	100
21) n-Hexane	2.824	56	239129	23.8056747 ppb	100
22) TRANS-1,2-DICHLOROETHENE	2.785	96	235904	24.7569294 ppb	100
23) METHYL TERT-BUTYL ETHER	2.837	73	642812	25.5569937 ppb	100
24) 1,1-DICHLOROETHANE	3.129	63	455493	25.0954652 ppb	100
25) VINYL ACETATE	3.245	43	2533314	134.3467601 ppb	100
26) DI-ISOPROPYL ETHER	3.036	45	851980	26.1674897 ppb	100
27) 2,2-Dichloropropane	3.489	77	244978	23.0976342 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.428	96	247314	26.1281937 ppb	100
29) 2-BUTANONE (MEK)	3.730	43	475854	130.6355758 ppb	100
30) BROMOCHLOROMETHANE	3.541	130	142827	24.1249398 ppb	100
31) TETRAHYDROFURAN	3.666	42	68045	17.3541063 ppb	100
32) CHLOROFORM	3.570	83	412687	13.5162197 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.698	97	319118	25.6147257 ppb	100
35) CARBON TETRACHLORIDE	3.663	117	328377	25.8573373 ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 13.D
Acq On : 11 Jul 2014 8:09 pm
Operator : 644
Sample : MSTD VMS 25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:18 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:54:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	345069	25.2968758 ppb		100
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	1096079	25.5043083 ppb		100
38) HEPTANE	3.859	43	490197	27.7872413 ppb	#	100
39) BENZENE	3.904	78	946788	25.3671691 ppb		100
40) 1,2-DICHLOROETHANE	4.013	62	296754	26.1049333 ppb		100
42) TRICHLOROETHENE	4.232	130	229879	26.0154065 ppb		100
43) 1,2-DICHLOROPROPANE	4.537	62	181968	25.6472909 ppb		100
44) DIBROMOMETHANE	4.486	93	132616	25.5133199 ppb		100
45) BROMODICHLOROMETHANE	4.566	83	310572	25.5411825 ppb		100
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	493665	130.6304947 ppb		100
48) CIS-1,3-DICHLOROPROPENE	4.949	75	397981	25.7369227 ppb		100
49) 4-METHYL-2-PENTANONE (...	5.316	58	441973	128.5729398 ppb		100
51) TOLUENE	5.100	91	967413	24.4719230 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	81492	27.1267584 ppb		100
54) 1,1,2-TRICHLOROETHANE	5.460	97	182533	26.6221976 ppb		100
55) TETRACHLOROETHENE	5.354	164	167317	26.2179696 ppb		100
56) 1,3-Dichloropropane	5.647	76	348462	24.4614654 ppb		100
57) 2-HEXANONE	5.865	58	419132	130.6349558 ppb		100
58) CHLORODIBROMOMETHANE	5.589	129	206155	25.2673657 ppb		100
59) 1,2-DIBROMOETHANE	5.756	107	187125	24.7866829 ppb		100
60) CHLOROBENZENE	6.103	112	614907	25.8829197 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	206041	26.5495617 ppb		100
62) ETHYLBENZENE	6.110	106	342480	26.3799929 ppb		100
63) M&P-XYLENE	6.206	106	839441	53.5717071 ppb		100
64) O-XYLENE	6.515	106	407514	24.8909842 ppb		100
65) STYRENE	6.550	104	658352	27.3643334 ppb		100
66) Bromoform	6.582	173	133066	27.6786436 ppb		100
67) Isopropylbenzene	6.733	105	1063435	26.8983097 ppb		100
69) Bromobenzene	7.039	77	469281	26.9171710 ppb		100
70) 1,1,2,2-TETRACHLOROETHANE	7.090	83	253899	26.3380837 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	70406	26.2933577 ppb		100
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	69838	26.6826455 ppb		100
73) n-Propylbenzene	7.042	91	1243901	26.7447656 ppb		100
74) 4-ETHYLTOLUENE	7.123	105	996480	26.8370225 ppb		100
75) 2-Chlorotoluene	7.171	126	246622	25.9641053 ppb		100
76) 4-Chlorotoluene	7.296	91	743317	27.1048215 ppb		100
77) 1,3,5-Trimethylbenzene	7.184	105	876931	27.4095652 ppb		100
78) tert-Butylbenzene	7.428	119	738074	26.9000374 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	861268	26.9998135 ppb		100
80) sec-Butylbenzene	7.566	105	1160804	27.0766010 ppb		100
81) 1,3-DICHLOROBENZENE	7.750	146	445848	26.9607916 ppb		100
82) p-Isopropyltoluene	7.672	119	943766	27.8982914 ppb		100
83) DICYCLOPENTADIENE	7.669	66	1118383	28.4169271 ppb		100
85) 1,4-DICHLOROBENZENE	7.820	146	453079	24.8732968 ppb		100
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	902771	24.0557153 ppb		100
87) 1,2-DICHLOROBENZENE	8.151	146	417401	25.5194606 ppb		100
88) n-Butylbenzene	8.007	91	866123	25.5363656 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.794	157	48772	26.0369910 ppb		100
90) 1,2,4-Trichlorobenzene	9.354	180	268575	24.0501193 ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	151902	25.3367075 ppb		100
92) Naphthalene	9.624	128	642671	23.8542103 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	247203	23.7936731 ppb		100
94) 1-Methylnaphthalene	10.492	142	341976	24.2581367 ppb		100
95) 2-Methylnaphthalene	10.614	142	282207	24.6279427 ppb		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 13.D
Acq On : 11 Jul 2014 8:09 pm
Operator : 644
Sample : MSTD VMS 25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:18 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:54:14 2014
Response via : Initial Calibration

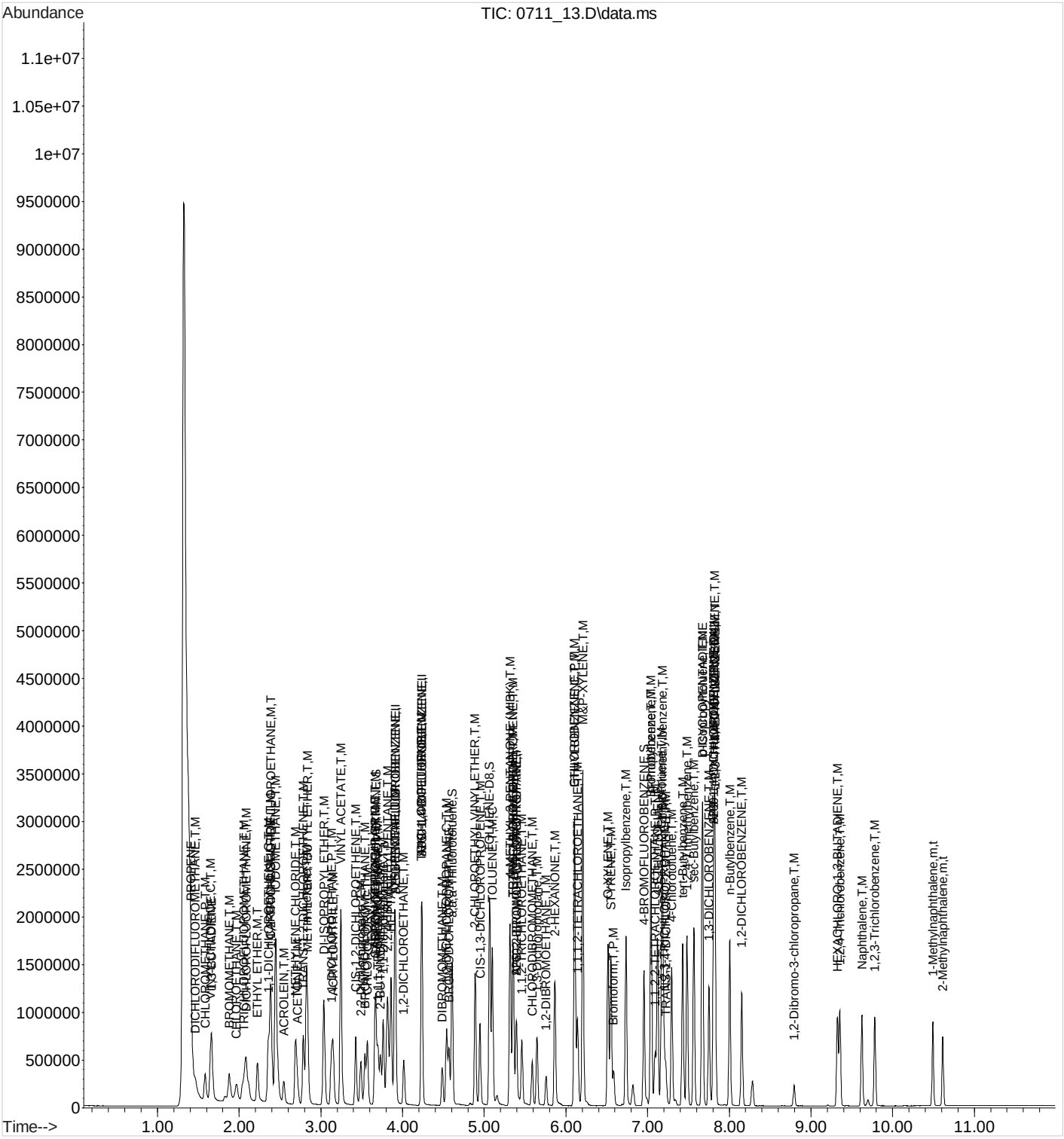
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	2.538	108	1826	No Calib	#
99)	2-PROPANOL	2.628	45	1204	No Calib	#
100)	Methyl Acetate	2.775	43	8908	No Calib	#
101)	ACETONITRILE	2.946	41	611	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.869	59	766	No Calib	#
104)	chloroprene	3.148	53	378132	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	3.184	59	1813	No Calib	#
106)	PROPIONITRILE	3.859	54	3734	No Calib	#
107)	Ethyl Acetate	3.618	43	996	No Calib	#
108)	METHACRYLONITRILE	3.910	67	1680	No Calib	#
109)	Cyclohexane	3.570	84	16234	No Calib	#
110)	tert-butyl formate	3.766	59	1235	No Calib	#
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	4.017	59	1779	No Calib	#
113)	TERT-AMYL METHYL ETHER	3.904	73	15447	No Calib	#
115)	N-BUTANOL	4.428	56	722	No Calib	#
116)	Methyl Cyclohexane	4.235	83	14038	No Calib	#
117)	2-nitropropane	5.245	43	878	No Calib	#
118)	METHYL METHACRYLATE	4.692	41	1216	No Calib	#
119)	1,4-DIOXANE	4.682	88	2813	No Calib	#
120)	n-octane	4.949	85	5261	No Calib	#
121)	3,3-DIMETHYL-1-BUTANOL	5.865	57	147047	No Calib	#
123)	ETHYL METHACRYLATE	5.316	69	7370	No Calib	#
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	3073	No Calib	#
125)	Cyclohexanone	7.158	55	5996	No Calib	#
126)	PENTACHLOROETHANE	7.483	117	29728	No Calib	#
127)	Hexachloroethane	8.132	117	2335	No Calib	#

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 13.D
Acq On : 11 Jul 2014 8:09 pm
Operator : 644
Sample : MSTD VMS 25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:18 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:54:14 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 13.D
Acq On : 11 Jul 2014 8:09 pm
Operator : 644
Sample : MSTD VMS 25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:30 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:54:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	453962	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	811471	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	144563	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.807	152	375488	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.91
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.24
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.39
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.81
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	293375	46.0816989 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 115.20%		
46) a,a,a-Trifluorotoluene	4.605	146	505460	44.8734971 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 112.18%		
50) TOLUENE-D8	5.065	98	1172658	44.9384411 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 112.35%#		
68) 4-BROMOFLUOROBENZENE	6.955	95	437136	46.7296830 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 116.82%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	9735356m	Below Cal	
3) PROPENE	1.409	41	65631	14.7493686 ppb	100
4) DICHLORODIFLUOROMETHANE	1.464	85	203388	27.5415949 ppb	100
5) CHLOROMETHANE	1.583	50	316038	23.9898684 ppb	100
6) VINYL CHLORIDE	1.650	62	346708	25.2722727 ppb	100
7) 1,3-BUTADIENE	1.663	39	275536	25.5632037 ppb	100
8) BROMOMETHANE	1.878	94	192072	26.4477303 ppb	100
9) CHLOROETHANE	1.965	66	63800	26.4083581 ppb	100
10) TRICHLOROFLUOROMETHANE	2.055	101	301180	25.1626715 ppb	100
11) DICHLOROFLUOROMETHANE	2.084	67	439713	26.0782864 ppb	100
12) ETHYL ETHER	2.222	59	216275	25.5769455 ppb	100
13) ACROLEIN	2.547	56	177292	116.5233469 ppb	100
14) 1,1-DICHLOROETHENE	2.357	61	422776	24.9562451 ppb	100
15) 1,1,2-TRICHLOROTRIFLUO...	2.390	101	235757	25.0768815 ppb	100
16) ACETONE	2.711	43	280440	81.7678151 ppb	100
17) IODOMETHANE	2.447	142	2076587	129.8923591 ppb	100
18) CARBON DISULFIDE	2.383	76	937444	22.1695117 ppb	100
19) METHYLENE CHLORIDE	2.689	84	255553	12.2976263 ppb	100
20) ACRYLONITRILE	3.148	53	378132	134.7248467 ppb	100
21) n-Hexane	2.824	56	239129	23.8056747 ppb	100
22) TRANS-1,2-DICHLOROETHENE	2.785	96	235904	24.7569294 ppb	100
23) METHYL TERT-BUTYL ETHER	2.837	73	642812	25.5569937 ppb	100
24) 1,1-DICHLOROETHANE	3.129	63	455493	25.0954652 ppb	100
25) VINYL ACETATE	3.245	43	2533314	134.3467601 ppb	100
26) DI-ISOPROPYL ETHER	3.036	45	851980	26.1674897 ppb	100
27) 2,2-Dichloropropane	3.489	77	244978	23.0976342 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.428	96	247314	26.1281937 ppb	100
29) 2-BUTANONE (MEK)	3.730	43	475854	130.6355758 ppb	100
30) BROMOCHLOROMETHANE	3.541	130	142827	24.1249398 ppb	100
31) TETRAHYDROFURAN	3.666	42	68045	17.3541063 ppb	100
32) CHLOROFORM	3.570	83	412687	13.5162197 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.698	97	319118	25.6147257 ppb	100
35) CARBON TETRACHLORIDE	3.663	117	328377	25.8573373 ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 13.D
Acq On : 11 Jul 2014 8:09 pm
Operator : 644
Sample : MSTD VMS 25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:30 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:54:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	345069	25.2968758 ppb		100
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	1096079	25.5043083 ppb		100
38) HEPTANE	3.859	43	490197	27.7872413 ppb	#	100
39) BENZENE	3.904	78	946788	25.3671691 ppb		100
40) 1,2-DICHLOROETHANE	4.013	62	296754	26.1049333 ppb		100
42) TRICHLOROETHENE	4.232	130	229879	26.0154065 ppb		100
43) 1,2-DICHLOROPROPANE	4.537	62	181968	25.6472909 ppb		100
44) DIBROMOMETHANE	4.486	93	132616	25.5133199 ppb		100
45) BROMODICHLOROMETHANE	4.566	83	310572	25.5411825 ppb		100
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	493665	130.6304947 ppb		100
48) CIS-1,3-DICHLOROPROPENE	4.949	75	397981	25.7369227 ppb		100
49) 4-METHYL-2-PENTANONE (...	5.316	58	441973	128.5729398 ppb		100
51) TOLUENE	5.100	91	967413	24.4719230 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	81492	27.1267584 ppb		100
54) 1,1,2-TRICHLOROETHANE	5.460	97	182533	26.6221976 ppb		100
55) TETRACHLOROETHENE	5.354	164	167317	26.2179696 ppb		100
56) 1,3-Dichloropropane	5.647	76	348462	24.4614654 ppb		100
57) 2-HEXANONE	5.865	58	419132	130.6349558 ppb		100
58) CHLORODIBROMOMETHANE	5.589	129	206155	25.2673657 ppb		100
59) 1,2-DIBROMOETHANE	5.756	107	187125	24.7866829 ppb		100
60) CHLOROBENZENE	6.103	112	614907	25.8829197 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	206041	26.5495617 ppb		100
62) ETHYLBENZENE	6.110	106	342480	26.3799929 ppb		100
63) M&P-XYLENE	6.206	106	839441	53.5717071 ppb		100
64) O-XYLENE	6.515	106	407514	24.8909842 ppb		100
65) STYRENE	6.550	104	658352	27.3643334 ppb		100
66) Bromoform	6.582	173	133066	27.6786436 ppb		100
67) Isopropylbenzene	6.733	105	1063435	26.8983097 ppb		100
69) Bromobenzene	7.039	77	469281	26.9171710 ppb		100
70) 1,1,2,2-TETRACHLOROETHANE	7.090	83	253899	26.3380837 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	70406	26.2933577 ppb		100
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	69838	26.6826455 ppb		100
73) n-Propylbenzene	7.042	91	1243901	26.7447656 ppb		100
74) 4-ETHYLTOLUENE	7.123	105	996480	26.8370225 ppb		100
75) 2-Chlorotoluene	7.171	126	246622	25.9641053 ppb		100
76) 4-Chlorotoluene	7.296	91	743317	27.1048215 ppb		100
77) 1,3,5-Trimethylbenzene	7.184	105	876931	27.4095652 ppb		100
78) tert-Butylbenzene	7.428	119	738074	26.9000374 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	861268	26.9998135 ppb		100
80) sec-Butylbenzene	7.566	105	1160804	27.0766010 ppb		100
81) 1,3-DICHLOROBENZENE	7.750	146	445848	26.9607916 ppb		100
82) p-Isopropyltoluene	7.672	119	943766	27.8982914 ppb		100
83) DICYCLOPENTADIENE	7.669	66	1118383	28.4169271 ppb		100
85) 1,4-DICHLOROBENZENE	7.820	146	453079	24.8732968 ppb		100
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	902771	24.0557153 ppb		100
87) 1,2-DICHLOROBENZENE	8.151	146	417401	25.5194606 ppb		100
88) n-Butylbenzene	8.007	91	866123	25.5363656 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.794	157	48772	26.0369910 ppb		100
90) 1,2,4-Trichlorobenzene	9.354	180	268575	24.0501193 ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	151902	25.3367075 ppb		100
92) Naphthalene	9.624	128	642671	23.8542103 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	247203	23.7936731 ppb		100
94) 1-Methylnaphthalene	10.492	142	341976	24.2581367 ppb		100
95) 2-Methylnaphthalene	10.614	142	282207	24.6279427 ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 13.D
Acq On : 11 Jul 2014 8:09 pm
Operator : 644
Sample : MSTD VMS 25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:30 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:54:14 2014
Response via : Initial Calibration

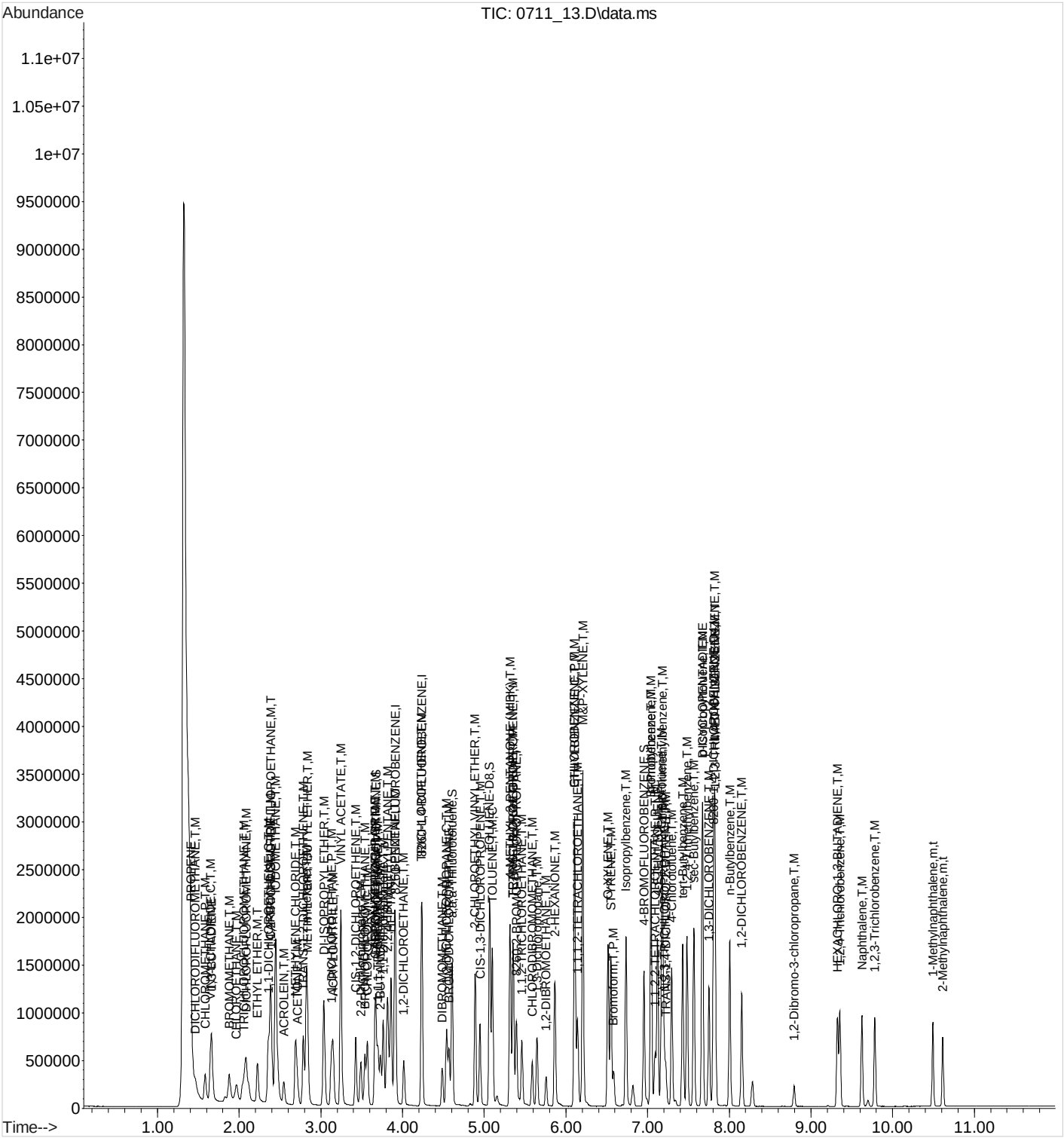
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.		
98)	Bromoethane	0.000		0	N.D.	d	
99)	2-PROPANOL	0.000		0	N.D.	d	
100)	Methyl Acetate	0.000		0	N.D.	d	
101)	ACETONITRILE	0.000		0	N.D.	d	
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	d	
104)	chloroprene	0.000		0	N.D.	d	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d	
106)	PROPIONITRILE	0.000		0	N.D.	d	
107)	Ethyl Acetate	0.000		0	N.D.	d	
108)	METHACRYLONITRILE	0.000		0	N.D.	d	
109)	Cyclohexane	0.000		0	N.D.	d	
110)	tert-butyl formate	0.000		0	N.D.	d	
111)	ISOBUTANOL	0.000		0	N.D.		
112)	t-Amyl Alcohol	0.000		0	N.D.	d	
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
115)	N-BUTANOL	0.000		0	N.D.	d	
116)	Methyl Cyclohexane	0.000		0	N.D.	d	
117)	2-nitropropane	0.000		0	N.D.	d	
118)	METHYL METHACRYLATE	0.000		0	N.D.	d	
119)	1,4-DIOXANE	0.000		0	N.D.	d	
120)	n-octane	0.000		0	N.D.	d	
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
123)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d	
125)	Cyclohexanone	0.000		0	N.D.	d	
126)	PENTACHLOROETHANE	0.000		0	N.D.	d	
127)	Hexachloroethane	0.000		0	N.D.	d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 13.D
Acq On : 11 Jul 2014 8:09 pm
Operator : 644
Sample : MSTD VMS 25 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:30 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:54:14 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 14.D
Acq On : 11 Jul 2014 8:29 pm
Operator : 644
Sample : STD VMS 40 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:39 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.914	168	503280	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	902006	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	159167	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	412083	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	503280	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	902006	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	159167	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	412083	40.0000000	ppb	# 0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.673	111	330209	45.6865271	ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 114.22%			
46) a,a,a-Trifluorotoluene	4.605	146	558302	44.7155402	ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 111.79%			
50) TOLUENE-D8	5.065	98	1332081	45.9870292	ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 114.97%#			
68) 4-BROMOFLUOROBENZENE	6.955	95	485468	45.3900509	ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 113.48%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	25350405m	23.4878308	ppm	
3) PROPENE	1.409	41	106808	36.6981861	ppb	96
4) DICHLORODIFLUOROMETHANE	1.464	85	322362	35.7411361	ppb	99
5) CHLOROMETHANE	1.586	50	501648	35.7939492	ppb	100
6) VINYL CHLORIDE	1.650	62	551255	35.8540745	ppb	100
7) 1,3-BUTADIENE	1.663	39	429880	35.1818545	ppb	98
8) BROMOMETHANE	1.879	94	296114	34.7651990	ppb	98
9) CHLOROETHANE	1.969	66	102204	36.1241013	ppb	97
10) TRICHLOROFLUOROMETHANE	2.059	101	475724	35.6187579	ppb	100
11) DICHLOROFLUOROMETHANE	2.087	67	693062	35.5428803	ppb	100
12) ETHYL ETHER	2.223	59	348121	36.2972514	ppb	99
13) ACROLEIN	2.547	56	288185	183.2745131	ppb	99
14) 1,1-DICHLOROETHENE	2.354	61	677230	36.1223254	ppb	99
15) 1,1,2-TRICHLOROTRIFLUO...	2.390	101	376597	36.0215251	ppb	100
16) ACETONE	2.711	43	457016	183.7432052	ppb	99
17) IODOMETHANE	2.448	142	3340241	181.3625081	ppb	100
18) CARBON DISULFIDE	2.383	76	1494770	35.9566213	ppb	100
19) METHYLENE CHLORIDE	2.689	84	406835	35.8993977	ppb	99
20) ACRYLONITRILE	3.149	53	615194	183.4376597	ppb	98
21) n-Hexane	2.824	56	389329	36.7142232	ppb	99
22) TRANS-1,2-DICHLOROETHENE	2.785	96	383083	36.6190786	ppb	99
23) METHYL TERT-BUTYL ETHER	2.837	73	1028035	36.0639890	ppb	98
24) 1,1-DICHLOROETHANE	3.129	63	736020	36.4382697	ppb	100
25) VINYL ACETATE	3.245	43	3982411	177.2461854	ppb	100
26) DI-ISOPROPYL ETHER	3.036	45	1373976	36.3663391	ppb	100
27) 2,2-Dichloropropane	3.489	77	389884	35.8887362	ppb	100
28) CIS-1,2-DICHLOROETHENE	3.425	96	401584	36.6165596	ppb	100
29) 2-BUTANONE (MEK)	3.727	43	789065	186.9643902	ppb	99
30) BROMOCHLOROMETHANE	3.538	130	232373	36.6880972	ppb	99
31) TETRAHYDROFURAN	3.666	42	110830	36.7291563	ppb	98
32) CHLOROFORM	3.570	83	661861	36.1656138	ppb	100
34) 1,1,1-TRICHLOROETHANE	3.698	97	508153	35.9081499	ppb	99
35) CARBON TETRACHLORIDE	3.663	117	529525	36.3633240	ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 14.D
Acq On : 11 Jul 2014 8:29 pm
Operator : 644
Sample : STD VMS 40 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:39 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	559065	36.5347547 ppb		100
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	1755371	36.1141086 ppb		99
38) HEPTANE	3.859	43	796758	36.6526704 ppb	#	99
39) BENZENE	3.904	78	1535596	36.5741351 ppb		100
40) 1,2-DICHLOROETHANE	4.013	62	482605	36.6728847 ppb		99
42) TRICHLOROETHENE	4.232	130	375096	36.6983653 ppb		99
43) 1,2-DICHLOROPROPANE	4.538	62	294039	36.3423914 ppb		98
44) DIBROMOMETHANE	4.483	93	212294	36.0035547 ppb		98
45) BROMODICHLOROMETHANE	4.566	83	506349	36.6683395 ppb		100
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	826665	188.3088813 ppb		100
48) CIS-1,3-DICHLOROPROPENE	4.949	75	653048	36.9050970 ppb		99
49) 4-METHYL-2-PENTANONE (...	5.316	58	715904	182.1514531 ppb		100
51) TOLUENE	5.100	91	1575147	36.6195293 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	135862	37.4961444 ppb		98
54) 1,1,2-TRICHLOROETHANE	5.460	97	299005	37.1947111 ppb		99
55) TETRACHLOROETHENE	5.354	164	272470	36.9762405 ppb		99
56) 1,3-Dichloropropane	5.647	76	567092	36.9523639 ppb		98
57) 2-HEXANONE	5.865	58	687899	186.3322349 ppb		99
58) CHLORODIBROMOMETHANE	5.586	129	346518	38.1659482 ppb		99
59) 1,2-DIBROMOETHANE	5.756	107	307348	37.2943213 ppb		99
60) CHLOROBENZENE	6.103	112	1008429	37.2374574 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	331339	36.5143050 ppb		100
62) ETHYLBENZENE	6.107	106	563535	37.3619736 ppb		99
63) M&P-XYLENE	6.206	106	1373349	74.2959028 ppb		99
64) O-XYLENE	6.515	106	659293	36.7350015 ppb		100
65) STYRENE	6.550	104	1074030	37.0426786 ppb		100
66) Bromoform	6.582	173	214376	36.5807994 ppb		99
67) Isopropylbenzene	6.737	105	1730789	36.9553489 ppb		99
69) Bromobenzene	7.039	77	757449	36.6492048 ppb		99
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	403319	36.0688106 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	113095	36.4735356 ppb		100
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	112977	36.7318139 ppb		100
73) n-Propylbenzene	7.042	91	2003266	36.5676400 ppb		100
74) 4-ETHYLTOLUENE	7.119	105	1594545	36.3339257 ppb		100
75) 2-Chlorotoluene	7.171	126	399273	36.7605718 ppb		98
76) 4-Chlorotoluene	7.296	91	1190061	36.3529189 ppb		99
77) 1,3,5-Trimethylbenzene	7.181	105	1421744	36.8129068 ppb		100
78) tert-Butylbenzene	7.428	119	1193895	36.7291059 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	1381397	36.4186906 ppb		100
80) sec-Butylbenzene	7.566	105	1878169	36.7383716 ppb		100
81) 1,3-DICHLOROBENZENE	7.753	146	710773	36.1983045 ppb		99
82) p-Isopropyltoluene	7.672	119	1517275	36.5043067 ppb		100
83) DICYCLOPENTADIENE	7.669	66	1783967	36.2193281 ppb		100
85) 1,4-DICHLOROBENZENE	7.820	146	723725	36.3873991 ppb	#	77
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	1454306	36.6969161 ppb		100
87) 1,2-DICHLOROBENZENE	8.152	146	666585	36.3792234 ppb		99
88) n-Butylbenzene	8.007	91	1377819	36.2379791 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.795	157	77297	36.1030128 ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	427346	36.2464461 ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	244874	36.7223576 ppb		99
92) Naphthalene	9.624	128	1031853	36.5746771 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	393860	36.2943909 ppb		100
94) 1-Methylnaphthalene	10.492	142	552551	36.8068044 ppb		99
95) 2-Methylnaphthalene	10.614	142	451645	36.4569890 ppb		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 14.D
Acq On : 11 Jul 2014 8:29 pm
Operator : 644
Sample : STD VMS 40 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:39 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	2.547	108	2805	No Calib	
99)	2-PROPANOL	2.618	45	712	No Calib	#
100)	Methyl Acetate	2.776	43	23027	No Calib	#
101)	ACETONITRILE	2.949	41	2564	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.833	59	1105	No Calib	#
104)	chloroprene	3.149	53	615194	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	3.184	59	5254	No Calib	#
106)	PROPIONITRILE	3.856	54	6012	No Calib	#
107)	Ethyl Acetate	3.621	43	1436	No Calib	#
108)	METHACRYLONITRILE	3.911	67	1383	No Calib	#
109)	Cyclohexane	3.570	84	26168	No Calib	#
110)	tert-butyl formate	3.814	59	2440	No Calib	#
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	4.013	59	2990	No Calib	#
113)	TERT-AMYL METHYL ETHER	3.904	73	25782	No Calib	#
115)	N-BUTANOL	4.425	56	698	No Calib	#
116)	Methyl Cyclohexane	4.235	83	17698	No Calib	#
117)	2-nitropropane	5.242	43	851	No Calib	#
118)	METHYL METHACRYLATE	4.698	41	1918	No Calib	#
119)	1,4-DIOXANE	4.682	88	3287	No Calib	#
120)	n-octane	4.946	85	8893	No Calib	#
121)	3,3-DIMETHYL-1-BUTANOL	5.865	57	242865	No Calib	#
123)	ETHYL METHACRYLATE	5.525	69	995	No Calib	#
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	5683	No Calib	#
125)	Cyclohexanone	7.222	55	1920	No Calib	#
126)	PENTACHLOROETHANE	7.483	117	46617	No Calib	#
127)	Hexachloroethane	8.135	117	2882	No Calib	#

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 14.D
Acq On : 11 Jul 2014 8:29 pm
Operator : 644
Sample : STD VMS 40 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:39 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
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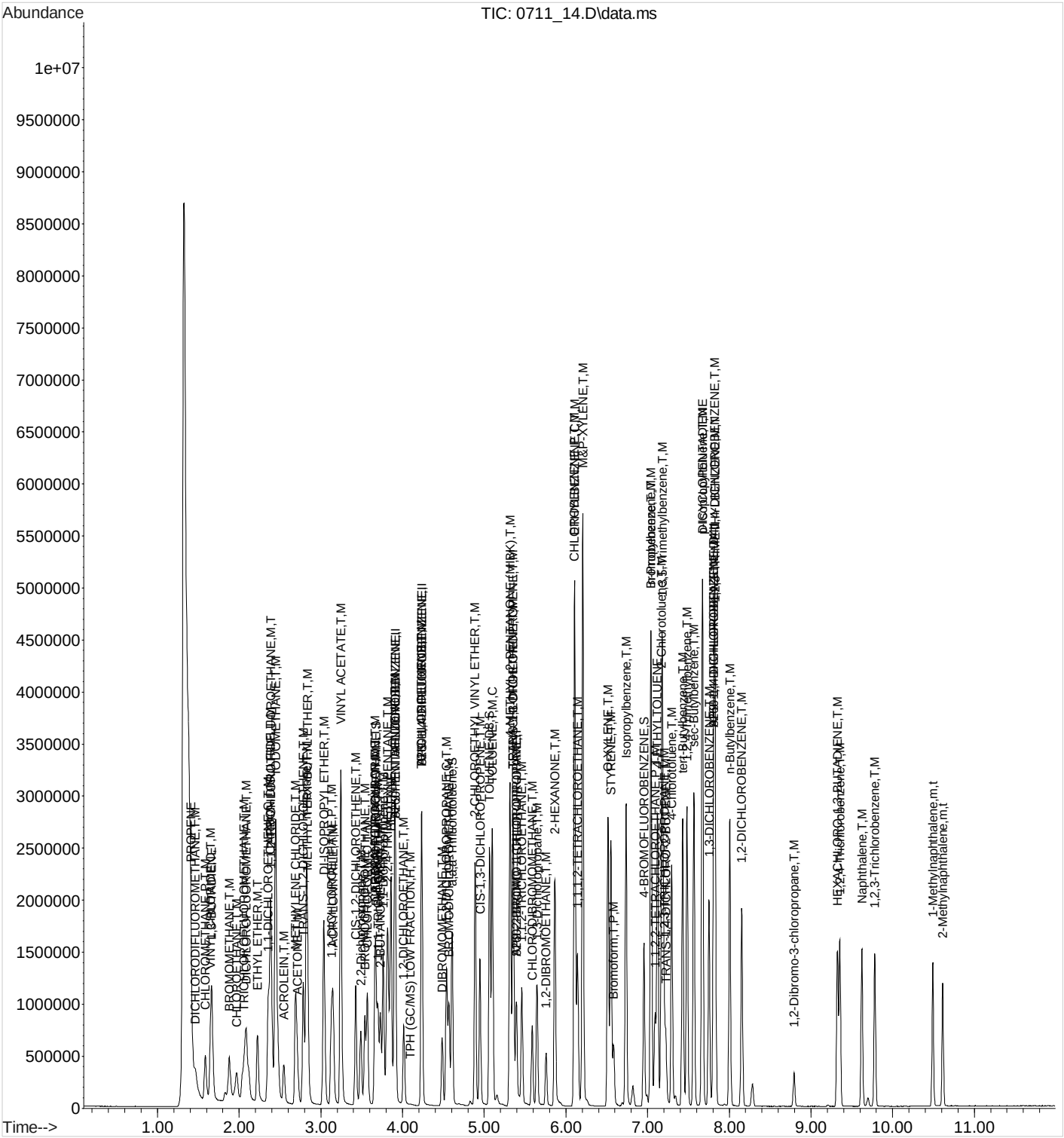

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 14.D
Acq On : 11 Jul 2014 8:29 pm
Operator : 644
Sample : STD VMS 40 PPB 14G10915
Misc : water IS/SURR14F17495
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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	503280	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	902006	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	159167	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	412083	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.91
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.24
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.39
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.81
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	330209	45.6865271 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 114.22%		
46) a,a,a-Trifluorotoluene	4.605	146	558302	44.7155402 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 111.79%		
50) TOLUENE-D8	5.065	98	1332081	45.9870292 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 114.97%#		
68) 4-BROMOFLUOROBENZENE	6.955	95	485468	45.3900509 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 113.48%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	25350405m	23.4878308 ppm	
3) PROPENE	1.409	41	106808	36.6981861 ppb	96
4) DICHLORODIFLUOROMETHANE	1.464	85	322362	35.7411361 ppb	99
5) CHLOROMETHANE	1.586	50	501648	35.7939492 ppb	100
6) VINYL CHLORIDE	1.650	62	551255	35.8540745 ppb	100
7) 1,3-BUTADIENE	1.663	39	429880	35.1818545 ppb	98
8) BROMOMETHANE	1.879	94	296114	34.7651990 ppb	98
9) CHLOROETHANE	1.969	66	102204	36.1241013 ppb	97
10) TRICHLOROFLUOROMETHANE	2.059	101	475724	35.6187579 ppb	100
11) DICHLOROFLUOROMETHANE	2.087	67	693062	35.5428803 ppb	100
12) ETHYL ETHER	2.223	59	348121	36.2972514 ppb	99
13) ACROLEIN	2.547	56	288185	183.2745131 ppb	99
14) 1,1-DICHLOROETHENE	2.354	61	677230	36.1223254 ppb	99
15) 1,1,2-TRICHLOROTRIFLUO...	2.390	101	376597	36.0215251 ppb	100
16) ACETONE	2.711	43	457016	183.7432052 ppb	99
17) IODOMETHANE	2.448	142	3340241	181.3625081 ppb	100
18) CARBON DISULFIDE	2.383	76	1494770	35.9566213 ppb	100
19) METHYLENE CHLORIDE	2.689	84	406835	35.8993977 ppb	99
20) ACRYLONITRILE	3.149	53	615194	183.4376597 ppb	98
21) n-Hexane	2.824	56	389329	36.7142232 ppb	99
22) TRANS-1,2-DICHLOROETHENE	2.785	96	383083	36.6190786 ppb	99
23) METHYL TERT-BUTYL ETHER	2.837	73	1028035	36.0639890 ppb	98
24) 1,1-DICHLOROETHANE	3.129	63	736020	36.4382697 ppb	100
25) VINYL ACETATE	3.245	43	3982411	177.2461854 ppb	100
26) DI-ISOPROPYL ETHER	3.036	45	1373976	36.3663391 ppb	100
27) 2,2-Dichloropropane	3.489	77	389884	35.8887362 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.425	96	401584	36.6165596 ppb	100
29) 2-BUTANONE (MEK)	3.727	43	789065	186.9643902 ppb	99
30) BROMOCHLOROMETHANE	3.538	130	232373	36.6880972 ppb	99
31) TETRAHYDROFURAN	3.666	42	110830	36.7291563 ppb	98
32) CHLOROFORM	3.570	83	661861	36.1656138 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.698	97	508153	35.9081499 ppb	99
35) CARBON TETRACHLORIDE	3.663	117	529525	36.3633240 ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 14.D
Acq On : 11 Jul 2014 8:29 pm
Operator : 644
Sample : STD VMS 40 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:52 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	559065	36.5347547 ppb		100
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	1755371	36.1141086 ppb		99
38) HEPTANE	3.859	43	796758	36.6526704 ppb	#	99
39) BENZENE	3.904	78	1535596	36.5741351 ppb		100
40) 1,2-DICHLOROETHANE	4.013	62	482605	36.6728847 ppb		99
42) TRICHLOROETHENE	4.232	130	375096	36.6983653 ppb		99
43) 1,2-DICHLOROPROPANE	4.538	62	294039	36.3423914 ppb		98
44) DIBROMOMETHANE	4.483	93	212294	36.0035547 ppb		98
45) BROMODICHLOROMETHANE	4.566	83	506349	36.6683395 ppb		100
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	826665	188.3088813 ppb		100
48) CIS-1,3-DICHLOROPROPENE	4.949	75	653048	36.9050970 ppb		99
49) 4-METHYL-2-PENTANONE (...	5.316	58	715904	182.1514531 ppb		100
51) TOLUENE	5.100	91	1575147	36.6195293 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	135862	37.4961444 ppb		98
54) 1,1,2-TRICHLOROETHANE	5.460	97	299005	37.1947111 ppb		99
55) TETRACHLOROETHENE	5.354	164	272470	36.9762405 ppb		99
56) 1,3-Dichloropropane	5.647	76	567092	36.9523639 ppb		98
57) 2-HEXANONE	5.865	58	687899	186.3322349 ppb		99
58) CHLORODIBROMOMETHANE	5.586	129	346518	38.1659482 ppb		99
59) 1,2-DIBROMOETHANE	5.756	107	307348	37.2943213 ppb		99
60) CHLOROBENZENE	6.103	112	1008429	37.2374574 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	331339	36.5143050 ppb		100
62) ETHYLBENZENE	6.107	106	563535	37.3619736 ppb		99
63) M&P-XYLENE	6.206	106	1373349	74.2959028 ppb		99
64) O-XYLENE	6.515	106	659293	36.7350015 ppb		100
65) STYRENE	6.550	104	1074030	37.0426786 ppb		100
66) Bromoform	6.582	173	214376	36.5807994 ppb		99
67) Isopropylbenzene	6.737	105	1730789	36.9553489 ppb		99
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70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	403319	36.0688106 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	113095	36.4735356 ppb		100
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	112977	36.7318139 ppb		100
73) n-Propylbenzene	7.042	91	2003266	36.5676400 ppb		100
74) 4-ETHYLTOLUENE	7.119	105	1594545	36.3339257 ppb		100
75) 2-Chlorotoluene	7.171	126	399273	36.7605718 ppb		98
76) 4-Chlorotoluene	7.296	91	1190061	36.3529189 ppb		99
77) 1,3,5-Trimethylbenzene	7.181	105	1421744	36.8129068 ppb		100
78) tert-Butylbenzene	7.428	119	1193895	36.7291059 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	1381397	36.4186906 ppb		100
80) sec-Butylbenzene	7.566	105	1878169	36.7383716 ppb		100
81) 1,3-DICHLOROBENZENE	7.753	146	710773	36.1983045 ppb		99
82) p-Isopropyltoluene	7.672	119	1517275	36.5043067 ppb		100
83) DICYCLOPENTADIENE	7.669	66	1783967	36.2193281 ppb		100
85) 1,4-DICHLOROBENZENE	7.820	146	723725	36.3873991 ppb	#	77
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	1454306	36.6969161 ppb		100
87) 1,2-DICHLOROBENZENE	8.152	146	666585	36.3792234 ppb		99
88) n-Butylbenzene	8.007	91	1377819	36.2379791 ppb		100
89) 1,2-Dibromo-3-chloropr...	8.795	157	77297	36.1030128 ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	427346	36.2464461 ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	244874	36.7223576 ppb		99
92) Naphthalene	9.624	128	1031853	36.5746771 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	393860	36.2943909 ppb		100
94) 1-Methylnaphthalene	10.492	142	552551	36.8068044 ppb		99
95) 2-Methylnaphthalene	10.614	142	451645	36.4569890 ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 14.D
Acq On : 11 Jul 2014 8:29 pm
Operator : 644
Sample : STD VMS 40 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:52 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

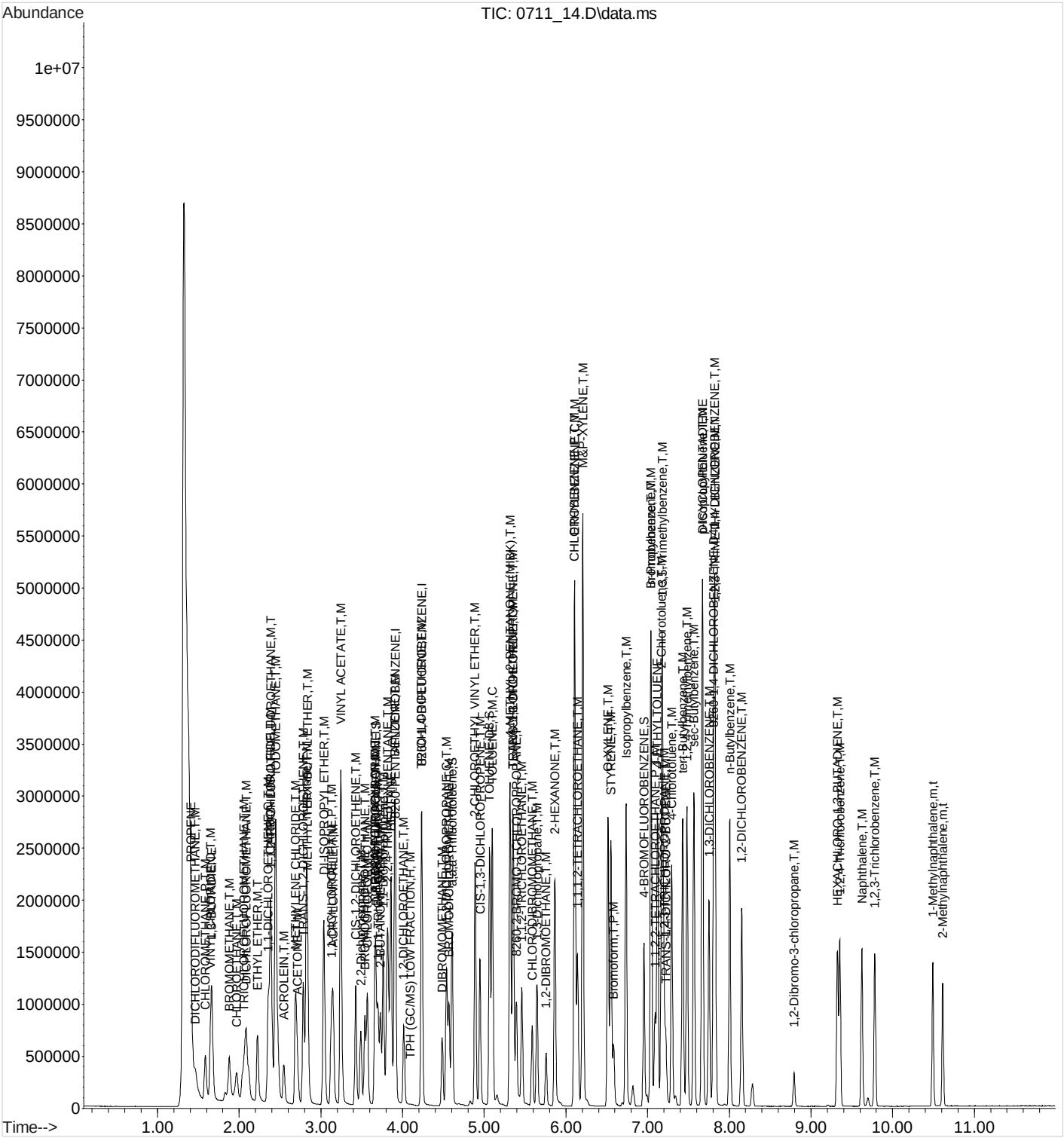
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	d
99)	2-PROPANOL	0.000		0	N.D.	d
100)	Methyl Acetate	0.000		0	N.D.	d
101)	ACETONITRILE	0.000		0	N.D.	d
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	d
104)	chloroprene	0.000		0	N.D.	d
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d
106)	PROPIONITRILE	0.000		0	N.D.	d
107)	Ethyl Acetate	0.000		0	N.D.	d
108)	METHACRYLONITRILE	0.000		0	N.D.	d
109)	Cyclohexane	0.000		0	N.D.	d
110)	tert-butyl formate	0.000		0	N.D.	d
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	0.000		0	N.D.	d
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d
115)	N-BUTANOL	0.000		0	N.D.	d
116)	Methyl Cyclohexane	0.000		0	N.D.	d
117)	2-nitropropane	0.000		0	N.D.	d
118)	METHYL METHACRYLATE	0.000		0	N.D.	d
119)	1,4-DIOXANE	0.000		0	N.D.	d
120)	n-octane	0.000		0	N.D.	d
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d
123)	ETHYL METHACRYLATE	0.000		0	N.D.	d
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d
125)	Cyclohexanone	0.000		0	N.D.	d
126)	PENTACHLOROETHANE	0.000		0	N.D.	d
127)	Hexachloroethane	0.000		0	N.D.	d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 14.D
Acq On : 11 Jul 2014 8:29 pm
Operator : 644
Sample : STD VMS 40 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:54:52 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 15.D
Acq On : 11 Jul 2014 8:49 pm
Operator : 644
Sample : STD VMS 75 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:44 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.911	168	467596	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	847959	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	149726	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	412077	40.0000000	ppb	# 0.00
96) AP9-PENTAFLUOROBENZENE	3.911	168	467596	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	847959	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	149726	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	412077	40.0000000	ppb	# 0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.669	111	325341	48.4481192	ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 121.12%#			
46) a,a,a-Trifluorotoluene	4.605	146	540077	46.0128944	ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 115.03%#			
50) TOLUENE-D8	5.065	98	1269971	46.6372675	ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 116.59%#			
68) 4-BROMOFLUOROBENZENE	6.955	95	480403	47.7487031	ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 119.37%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	67704698m	67.5173971	ppm	
3) PROPENE	1.409	41	194052	71.7625436	ppb	96
4) DICHLORODIFLUOROMETHANE	1.461	85	589610	70.3603898	ppb	99
5) CHLOROMETHANE	1.579	50	942040	72.3467058	ppb	100
6) VINYL CHLORIDE	1.650	62	1025701	71.8035040	ppb	99
7) 1,3-BUTADIENE	1.660	39	787764	69.3915363	ppb	98
8) BROMOMETHANE	1.872	94	544460	68.8003491	ppb	99
9) CHLOROETHANE	1.962	66	186444	70.9277944	ppb	99
10) TRICHLOROFLUOROMETHANE	2.055	101	876659	70.6469291	ppb	99
11) DICHLOROFLUOROMETHANE	2.081	67	1304171	71.9869801	ppb	99
12) ETHYL ETHER	2.219	59	653512	73.3391662	ppb	99
13) ACROLEIN	2.544	56	554014	379.2192078	ppb	99
14) 1,1-DICHLOROETHENE	2.351	61	1247237	71.6023675	ppb	99
15) 1,1,2-TRICHLOROTRIFLUO...	2.387	101	694369	71.4849222	ppb	99
16) ACETONE	2.708	43	845796	366.0027890	ppb	99
17) IODOMETHANE	2.444	142	6123015	357.8276686	ppb	99
18) CARBON DISULFIDE	2.380	76	2779572	71.9649978	ppb	99
19) METHYLENE CHLORIDE	2.689	84	750858	71.3124818	ppb	100
20) ACRYLONITRILE	3.149	53	1180733	378.9369855	ppb	98
21) n-Hexane	2.821	56	712252	72.2919853	ppb	99
22) TRANS-1,2-DICHLOROETHENE	2.782	96	712101	73.2647400	ppb	99
23) METHYL TERT-BUTYL ETHER	2.833	73	1944410	73.4163167	ppb	98
24) 1,1-DICHLOROETHANE	3.126	63	1368708	72.9319492	ppb	99
25) VINYL ACETATE	3.242	43	7445934	356.6883177	ppb	99
26) DI-ISOPROPYL ETHER	3.036	45	2587985	73.7260687	ppb	99
27) 2,2-Dichloropropane	3.486	77	692666	68.6254978	ppb	99
28) CIS-1,2-DICHLOROETHENE	3.425	96	748599	73.4664852	ppb	100
29) 2-BUTANONE (MEK)	3.727	43	1462618	373.0060843	ppb	98
30) BROMOCHLOROMETHANE	3.538	130	438199	74.4645878	ppb	98
31) TETRAHYDROFURAN	3.663	42	206562	73.6788661	ppb	98
32) CHLOROFORM	3.567	83	1218975	71.6906854	ppb	100
34) 1,1,1-TRICHLOROETHANE	3.695	97	939247	71.4360178	ppb	99
35) CARBON TETRACHLORIDE	3.663	117	967474	71.5081090	ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 15.D
Acq On : 11 Jul 2014 8:49 pm
Operator : 644
Sample : STD VMS 75 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:44 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	1031543	72.5554622 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	3199816	70.8552232 ppb		98
38) HEPTANE	3.856	43	1451115	71.8488637 ppb	#	98
39) BENZENE	3.904	78	2834898	72.6730546 ppb		100
40) 1,2-DICHLOROETHANE	4.013	62	889425	72.7447194 ppb		100
42) TRICHLOROETHENE	4.232	130	693419	72.1663261 ppb		100
43) 1,2-DICHLOROPROPANE	4.538	62	547232	71.9473201 ppb		99
44) DIBROMOMETHANE	4.483	93	400693	72.2859661 ppb		98
45) BROMODICHLOROMETHANE	4.567	83	933087	71.8783333 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	1553860	376.5197072 ppb		100
48) CIS-1,3-DICHLOROPROPENE	4.946	75	1208145	72.6264607 ppb		99
49) 4-METHYL-2-PENTANONE (...	5.316	58	1370541	370.9406731 ppb		100
51) TOLUENE	5.097	91	2896831	71.6389808 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	261454	76.7570849 ppb		95
54) 1,1,2-TRICHLOROETHANE	5.460	97	558433	73.8464498 ppb		99
55) TETRACHLOROETHENE	5.354	164	512477	73.9323053 ppb		98
56) 1,3-Dichloropropane	5.647	76	1050853	72.7924743 ppb		99
57) 2-HEXANONE	5.865	58	1307346	376.4520492 ppb		100
58) CHLORODIBROMOMETHANE	5.586	129	641861	75.1531268 ppb		100
59) 1,2-DIBROMOETHANE	5.756	107	567661	73.2246295 ppb		97
60) CHLOROBENZENE	6.103	112	1890468	74.2095558 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	628534	73.6334357 ppb		99
62) ETHYLBENZENE	6.110	106	1055622	74.4000378 ppb		99
63) M&P-XYLENE	6.206	106	2574792	148.0750569 ppb		100
64) O-XYLENE	6.515	106	1244165	73.6945523 ppb		99
65) STYRENE	6.550	104	2024708	74.2342249 ppb		99
66) Bromoform	6.586	173	413503	75.0086763 ppb		99
67) Isopropylbenzene	6.737	105	3223985	73.1782469 ppb		100
69) Bromobenzene	7.039	77	1455103	74.8446400 ppb		100
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	779659	74.1214053 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	220511	75.5997790 ppb		100
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	227573	78.6554608 ppb		98
73) n-Propylbenzene	7.042	91	3822963	74.1846781 ppb		100
74) 4-ETHYLTOLUENE	7.119	105	3060068	74.1246114 ppb		100
75) 2-Chlorotoluene	7.171	126	766167	74.9879646 ppb		98
76) 4-Chlorotoluene	7.293	91	2283298	74.1461268 ppb		100
77) 1,3,5-Trimethylbenzene	7.184	105	2713529	74.6911219 ppb		100
78) tert-Butylbenzene	7.428	119	2257268	73.8215495 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	2647488	74.1985857 ppb		100
80) sec-Butylbenzene	7.566	105	3516544	73.1235215 ppb		100
81) 1,3-DICHLOROBENZENE	7.753	146	1384410	74.9510711 ppb		99
82) p-Isopropyltoluene	7.673	119	2893873	74.0142050 ppb		100
83) DICYCLOPENTADIENE	7.669	66	3417330	73.7558208 ppb		100
85) 1,4-DICHLOROBENZENE	7.820	146	1438532	72.3274726 ppb	#	52
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	2806797	70.8257366 ppb		100
87) 1,2-DICHLOROBENZENE	8.152	146	1298663	70.8762413 ppb		100
88) n-Butylbenzene	8.007	91	2638520	69.3966514 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.795	157	154157	72.0029650 ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	849967	72.0931789 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	463730	69.5439567 ppb		100
92) Naphthalene	9.624	128	2065230	73.2044391 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	782699	72.1271443 ppb		100
94) 1-Methylnaphthalene	10.492	142	1119270	74.5584603 ppb		99
95) 2-Methylnaphthalene	10.611	142	914741	73.8393830 ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 15.D
Acq On : 11 Jul 2014 8:49 pm
Operator : 644
Sample : STD VMS 75 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:44 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

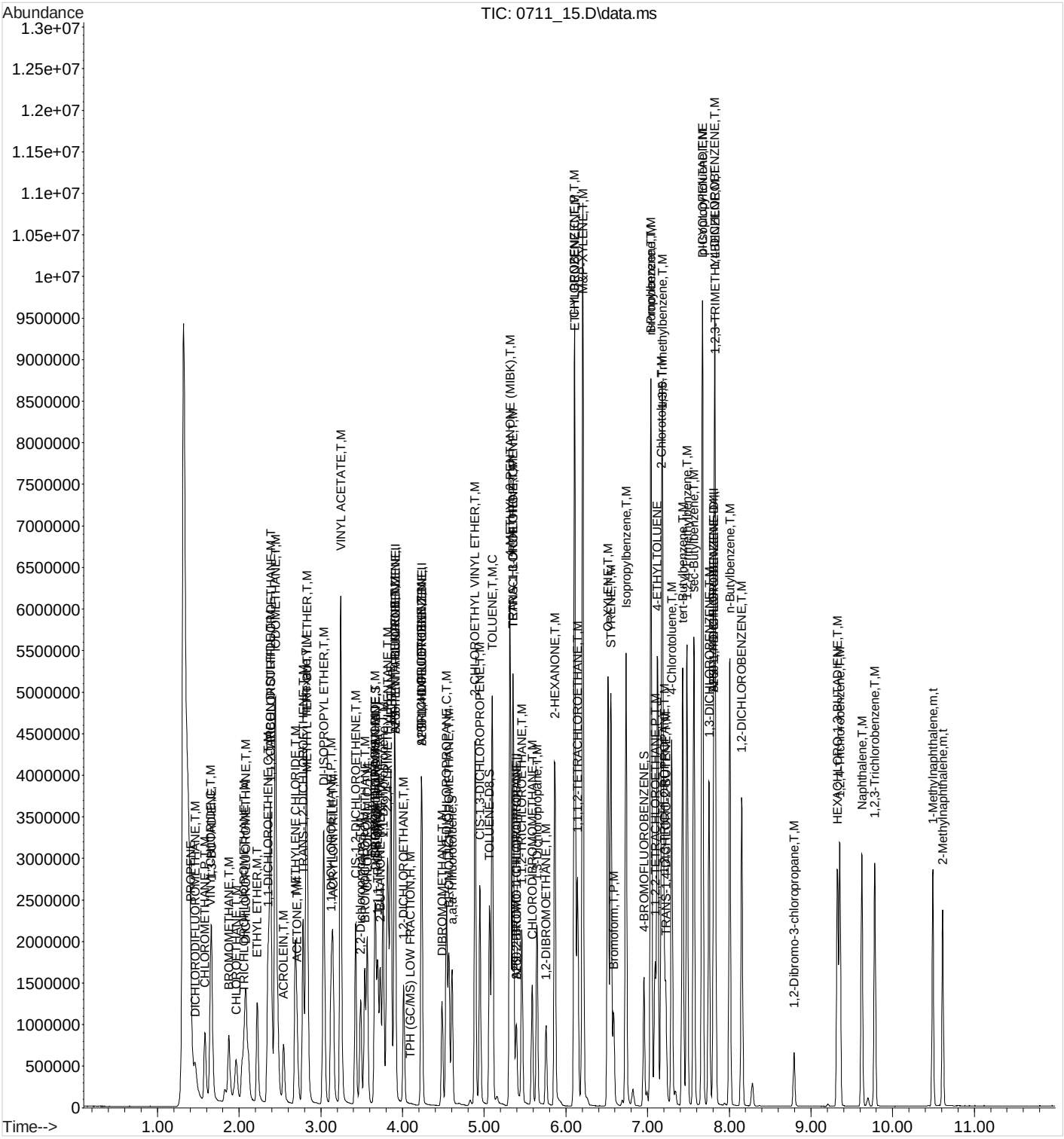
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	2.538	108	5422	No Calib	#
99)	2-PROPANOL	2.628	45	745	No Calib	#
100)	Methyl Acetate	2.772	43	38958	No Calib	#
101)	ACETONITRILE	3.033	41	403651	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.827	59	5878	No Calib	#
104)	chloroprene	3.149	53	1180291	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	3.239	59	670	No Calib	#
106)	PROPIONITRILE	3.856	54	11443	No Calib	#
107)	Ethyl Acetate	3.618	43	2244	No Calib	#
108)	METHACRYLONITRILE	3.914	67	1725	No Calib	#
109)	Cyclohexane	3.567	84	46832	No Calib	#
110)	tert-butyl formate	3.821	59	1447	No Calib	#
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	4.013	59	5093	No Calib	#
113)	TERT-AMYL METHYL ETHER	3.904	73	45886	No Calib	#
115)	N-BUTANOL	4.431	56	1054	No Calib	#
116)	Methyl Cyclohexane	4.232	83	24400	No Calib	#
117)	2-nitropropane	5.239	43	1276	No Calib	#
118)	METHYL METHACRYLATE	4.695	41	2644	No Calib	#
119)	1,4-DIOXANE	4.682	88	2936	No Calib	#
120)	n-octane	4.946	85	16047	No Calib	#
121)	3,3-DIMETHYL-1-BUTANOL	5.862	57	461337	No Calib	#
123)	ETHYL METHACRYLATE	5.512	69	699	No Calib	#
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	10116	No Calib	#
125)	Cyclohexanone	7.222	55	2942	No Calib	#
126)	PENTACHLOROETHANE	7.483	117	90150	No Calib	#
127)	Hexachloroethane	8.132	117	5203	No Calib	#

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 15.D
Acq On : 11 Jul 2014 8:49 pm
Operator : 644
Sample : STD VMS 75 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:44 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 15.D
Acq On : 11 Jul 2014 8:49 pm
Operator : 644
Sample : STD VMS 75 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:56:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.911	168	467596	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	847959	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	149726	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	412077	40.0000000	ppb	# 0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-5.39
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-7.81
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.669	111	325341	48.4481192	ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 121.12%#			
46) a,a,a-Trifluorotoluene	4.605	146	540077	46.0128944	ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 115.03%#			
50) TOLUENE-D8	5.065	98	1269971	46.6372675	ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 116.59%#			
68) 4-BROMOFLUOROBENZENE	6.955	95	480403	47.7487031	ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 119.37%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	67704698m	67.5173971	ppm	
3) PROPENE	1.409	41	194052	71.7625436	ppb	96
4) DICHLORODIFLUOROMETHANE	1.461	85	589610	70.3603898	ppb	99
5) CHLOROMETHANE	1.579	50	942040	72.3467058	ppb	100
6) VINYL CHLORIDE	1.650	62	1025701	71.8035040	ppb	99
7) 1,3-BUTADIENE	1.660	39	787764	69.3915363	ppb	98
8) BROMOMETHANE	1.872	94	544460	68.8003491	ppb	99
9) CHLOROETHANE	1.962	66	186444	70.9277944	ppb	99
10) TRICHLOROFLUOROMETHANE	2.055	101	876659	70.6469291	ppb	99
11) DICHLOROFLUOROMETHANE	2.081	67	1304171	71.9869801	ppb	99
12) ETHYL ETHER	2.219	59	653512	73.3391662	ppb	99
13) ACROLEIN	2.544	56	554014	379.2192078	ppb	99
14) 1,1-DICHLOROETHENE	2.351	61	1247237	71.6023675	ppb	99
15) 1,1,2-TRICHLOROTRIFLUO...	2.387	101	694369	71.4849222	ppb	99
16) ACETONE	2.708	43	845796	366.0027890	ppb	99
17) IODOMETHANE	2.444	142	6123015	357.8276686	ppb	99
18) CARBON DISULFIDE	2.380	76	2779572	71.9649978	ppb	99
19) METHYLENE CHLORIDE	2.689	84	750858	71.3124818	ppb	100
20) ACRYLONITRILE	3.149	53	1180733	378.9369855	ppb	98
21) n-Hexane	2.821	56	712252	72.2919853	ppb	99
22) TRANS-1,2-DICHLOROETHENE	2.782	96	712101	73.2647400	ppb	99
23) METHYL TERT-BUTYL ETHER	2.833	73	1944410	73.4163167	ppb	98
24) 1,1-DICHLOROETHANE	3.126	63	1368708	72.9319492	ppb	99
25) VINYL ACETATE	3.242	43	7445934	356.6883177	ppb	99
26) DI-ISOPROPYL ETHER	3.036	45	2587985	73.7260687	ppb	99
27) 2,2-Dichloropropane	3.486	77	692666	68.6254978	ppb	99
28) CIS-1,2-DICHLOROETHENE	3.425	96	748599	73.4664852	ppb	100
29) 2-BUTANONE (MEK)	3.727	43	1462618	373.0060843	ppb	98
30) BROMOCHLOROMETHANE	3.538	130	438199	74.4645878	ppb	98
31) TETRAHYDROFURAN	3.663	42	206562	73.6788661	ppb	98
32) CHLOROFORM	3.567	83	1218975	71.6906854	ppb	100
34) 1,1,1-TRICHLOROETHANE	3.695	97	939247	71.4360178	ppb	99
35) CARBON TETRACHLORIDE	3.663	117	967474	71.5081090	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 15.D
Acq On : 11 Jul 2014 8:49 pm
Operator : 644
Sample : STD VMS 75 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:56:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	1031543	72.5554622 ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	3199816	70.8552232 ppb		98
38) HEPTANE	3.856	43	1451115	71.8488637 ppb	#	98
39) BENZENE	3.904	78	2834898	72.6730546 ppb		100
40) 1,2-DICHLOROETHANE	4.013	62	889425	72.7447194 ppb		100
42) TRICHLOROETHENE	4.232	130	693419	72.1663261 ppb		100
43) 1,2-DICHLOROPROPANE	4.538	62	547232	71.9473201 ppb		99
44) DIBROMOMETHANE	4.483	93	400693	72.2859661 ppb		98
45) BROMODICHLOROMETHANE	4.567	83	933087	71.8783333 ppb		99
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	1553860	376.5197072 ppb		100
48) CIS-1,3-DICHLOROPROPENE	4.946	75	1208145	72.6264607 ppb		99
49) 4-METHYL-2-PENTANONE (...	5.316	58	1370541	370.9406731 ppb		100
51) TOLUENE	5.097	91	2896831	71.6389808 ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	261454	76.7570849 ppb		95
54) 1,1,2-TRICHLOROETHANE	5.460	97	558433	73.8464498 ppb		99
55) TETRACHLOROETHENE	5.354	164	512477	73.9323053 ppb		98
56) 1,3-Dichloropropane	5.647	76	1050853	72.7924743 ppb		99
57) 2-HEXANONE	5.865	58	1307346	376.4520492 ppb		100
58) CHLORODIBROMOMETHANE	5.586	129	641861	75.1531268 ppb		100
59) 1,2-DIBROMOETHANE	5.756	107	567661	73.2246295 ppb		97
60) CHLOROBENZENE	6.103	112	1890468	74.2095558 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	628534	73.6334357 ppb		99
62) ETHYLBENZENE	6.110	106	1055622	74.4000378 ppb		99
63) M&P-XYLENE	6.206	106	2574792	148.0750569 ppb		100
64) O-XYLENE	6.515	106	1244165	73.6945523 ppb		99
65) STYRENE	6.550	104	2024708	74.2342249 ppb		99
66) Bromoform	6.586	173	413503	75.0086763 ppb		99
67) Isopropylbenzene	6.737	105	3223985	73.1782469 ppb		100
69) Bromobenzene	7.039	77	1455103	74.8446400 ppb		100
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	779659	74.1214053 ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	220511	75.5997790 ppb		100
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	227573	78.6554608 ppb		98
73) n-Propylbenzene	7.042	91	3822963	74.1846781 ppb		100
74) 4-ETHYLTOLUENE	7.119	105	3060068	74.1246114 ppb		100
75) 2-Chlorotoluene	7.171	126	766167	74.9879646 ppb		98
76) 4-Chlorotoluene	7.293	91	2283298	74.1461268 ppb		100
77) 1,3,5-Trimethylbenzene	7.184	105	2713529	74.6911219 ppb		100
78) tert-Butylbenzene	7.428	119	2257268	73.8215495 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	2647488	74.1985857 ppb		100
80) sec-Butylbenzene	7.566	105	3516544	73.1235215 ppb		100
81) 1,3-DICHLOROBENZENE	7.753	146	1384410	74.9510711 ppb		99
82) p-Isopropyltoluene	7.673	119	2893873	74.0142050 ppb		100
83) DICYCLOPENTADIENE	7.669	66	3417330	73.7558208 ppb		100
85) 1,4-DICHLOROBENZENE	7.820	146	1438532	72.3274726 ppb	#	52
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	2806797	70.8257366 ppb		100
87) 1,2-DICHLOROBENZENE	8.152	146	1298663	70.8762413 ppb		100
88) n-Butylbenzene	8.007	91	2638520	69.3966514 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.795	157	154157	72.0029650 ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	849967	72.0931789 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	463730	69.5439567 ppb		100
92) Naphthalene	9.624	128	2065230	73.2044391 ppb		100
93) 1,2,3-Trichlorobenzene	9.782	180	782699	72.1271443 ppb		100
94) 1-Methylnaphthalene	10.492	142	1119270	74.5584603 ppb		99
95) 2-Methylnaphthalene	10.611	142	914741	73.8393830 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 15.D
Acq On : 11 Jul 2014 8:49 pm
Operator : 644
Sample : STD VMS 75 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:56:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

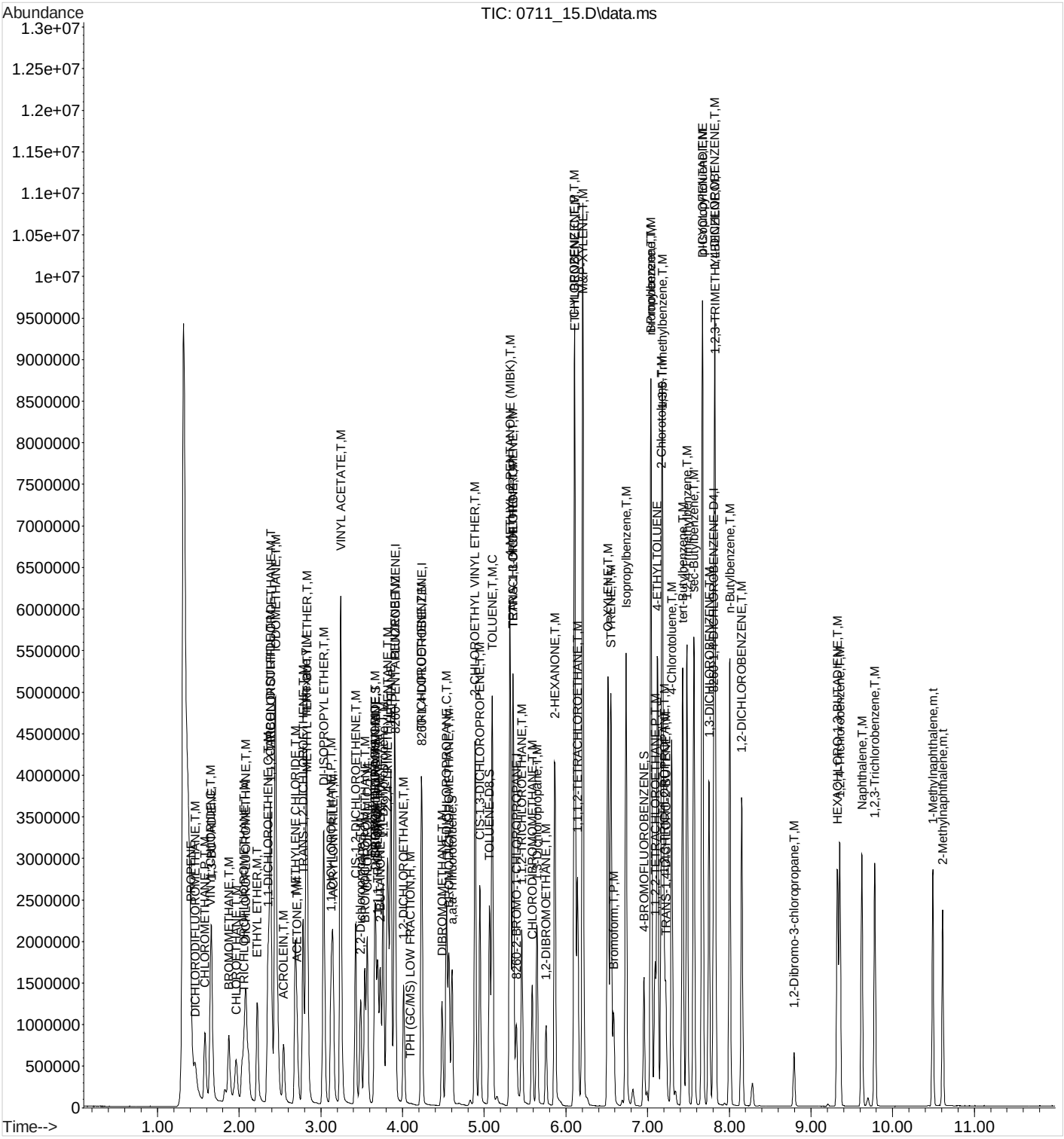
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	d
99)	2-PROPANOL	0.000		0	N.D.	d
100)	Methyl Acetate	0.000		0	N.D.	d
101)	ACETONITRILE	0.000		0	N.D.	d
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	d
104)	chloroprene	0.000		0	N.D.	d
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d
106)	PROPIONITRILE	0.000		0	N.D.	d
107)	Ethyl Acetate	0.000		0	N.D.	d
108)	METHACRYLONITRILE	0.000		0	N.D.	d
109)	Cyclohexane	0.000		0	N.D.	d
110)	tert-butyl formate	0.000		0	N.D.	d
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	0.000		0	N.D.	d
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d
115)	N-BUTANOL	0.000		0	N.D.	d
116)	Methyl Cyclohexane	0.000		0	N.D.	d
117)	2-nitropropane	0.000		0	N.D.	d
118)	METHYL METHACRYLATE	0.000		0	N.D.	d
119)	1,4-DIOXANE	0.000		0	N.D.	d
120)	n-octane	0.000		0	N.D.	d
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d
123)	ETHYL METHACRYLATE	0.000		0	N.D.	d
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d
125)	Cyclohexanone	0.000		0	N.D.	d
126)	PENTACHLOROETHANE	0.000		0	N.D.	d
127)	Hexachloroethane	0.000		0	N.D.	d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 15.D
Acq On : 11 Jul 2014 8:49 pm
Operator : 644
Sample : STD VMS 75 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:56:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 16.D
Acq On : 11 Jul 2014 9:09 pm
Operator : 644
Sample : STD VMS 100 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:49 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.911	168	481380	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	872704	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	151021	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	424744	40.0000000	ppb	# 0.00
96) AP9-PENTAFLUOROBENZENE	3.911	168	481380	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	872704	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	151021	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	424744	40.0000000	ppb	# 0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.670	111	338178	48.9177216	ppb	0.00
Spiked Amount 40.000 Range 78 - 121 Recovery = 122.29%#						
46) a,a,a-Trifluorotoluene	4.605	146	556658	46.0808215	ppb	0.00
Spiked Amount 40.000 Range 85 - 114 Recovery = 115.20%#						
50) TOLUENE-D8	5.065	98	1338767	47.7696632	ppb	0.00
Spiked Amount 40.000 Range 89 - 111 Recovery = 119.42%#						
68) 4-BROMOFLUOROBENZENE	6.956	95	499026	49.1743835	ppb	0.00
Spiked Amount 40.000 Range 71 - 126 Recovery = 122.94%						
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	99475773m	96.3600360	ppm	
3) PROPENE	1.412	41	260500	93.5772273	ppb	95
4) DICHLORODIFLUOROMETHANE	1.461	85	773766	89.6924286	ppb	98
5) CHLOROMETHANE	1.583	50	1253153	93.4837790	ppb	100
6) VINYL CHLORIDE	1.650	62	1361825	92.6038210	ppb	99
7) 1,3-BUTADIENE	1.660	39	1036384	88.6775768	ppb	97
8) BROMOMETHANE	1.872	94	684209	83.9839295	ppb	99
9) CHLOROETHANE	1.962	66	244817	90.4674522	ppb	98
10) TRICHLOROFLUOROMETHANE	2.055	101	1169949	91.5824523	ppb	99
11) DICHLOROFLUOROMETHANE	2.081	67	1732529	92.8929327	ppb	100
12) ETHYL ETHER	2.223	59	860003	93.7486694	ppb	99
13) ACROLEIN	2.544	56	729894	485.3020496	ppb	100
14) 1,1-DICHLOROETHENE	2.351	61	1661101	92.6311767	ppb	99
15) 1,1,2-TRICHLOROTRIFLUO...	2.387	101	924469	92.4483625	ppb	99
16) ACETONE	2.708	43	1090091	458.2096874	ppb	98
17) IODOMETHANE	2.445	142	8102491	459.9492315	ppb	99
18) CARBON DISULFIDE	2.380	76	3714835	93.4255497	ppb	100
19) METHYLENE CHLORIDE	2.689	84	1011353	93.3024935	ppb	98
20) ACRYLONITRILE	3.149	53	1552269	483.9104756	ppb	98
21) n-Hexane	2.821	56	959336	94.5823197	ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.782	96	958308	95.7725995	ppb	98
23) METHYL TERT-BUTYL ETHER	2.834	73	2561419	93.9437988	ppb	100
24) 1,1-DICHLOROETHANE	3.126	63	1834486	94.9520097	ppb	99
25) VINYL ACETATE	3.242	43	9807184	456.3486514	ppb	99
26) DI-ISOPROPYL ETHER	3.036	45	3438764	95.1578100	ppb	100
27) 2,2-Dichloropropane	3.486	77	910823	87.6553384	ppb	100
28) CIS-1,2-DICHLOROETHENE	3.425	96	1002410	95.5582429	ppb	99
29) 2-BUTANONE (MEK)	3.727	43	1904049	471.6782683	ppb	99
30) BROMOCHLOROMETHANE	3.538	130	585952	96.7215380	ppb	97
31) TETRAHYDROFURAN	3.663	42	268267	92.9485247	ppb	98
32) CHLOROFORM	3.567	83	1628091	93.0099378	ppb	100
34) 1,1,1-TRICHLOROETHANE	3.695	97	1253779	92.6277589	ppb	100
35) CARBON TETRACHLORIDE	3.663	117	1299789	93.3193259	ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 16.D
Acq On : 11 Jul 2014 9:09 pm
Operator : 644
Sample : STD VMS 100 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:49 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	1383482	94.5233347 ppb		100
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	4270746	91.8614619 ppb		98
38) HEPTANE	3.856	43	1982571	95.3519474 ppb	#	99
39) BENZENE	3.901	78	3803382	94.7084369 ppb		100
40) 1,2-DICHLOROETHANE	4.014	62	1175501	93.3894651 ppb		100
42) TRICHLOROETHENE	4.232	130	930170	94.0608882 ppb		99
43) 1,2-DICHLOROPROPANE	4.538	62	731089	93.3944940 ppb		99
44) DIBROMOMETHANE	4.483	93	530273	92.9500518 ppb		98
45) BROMODICHLOROMETHANE	4.567	83	1265865	94.7482374 ppb		100
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	2098011	493.9596493 ppb		100
48) CIS-1,3-DICHLOROPROPENE	4.946	75	1629266	95.1646603 ppb		99
49) 4-METHYL-2-PENTANONE (...	5.316	58	1803955	474.4014533 ppb		98
51) TOLUENE	5.097	91	3932461	94.4927636 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.351	110	353296	100.7789409 ppb		98
54) 1,1,2-TRICHLOROETHANE	5.460	97	752402	98.6434763 ppb		99
55) TETRACHLOROETHENE	5.354	164	695152	99.4258991 ppb		99
56) 1,3-Dichloropropane	5.644	76	1414729	97.1577951 ppb		99
57) 2-HEXANONE	5.862	58	1717005	490.1743298 ppb		98
58) CHLORODIBROMOMETHANE	5.586	129	865029	100.4145426 ppb		99
59) 1,2-DIBROMOETHANE	5.756	107	760799	97.2966615 ppb		98
60) CHLOROBENZENE	6.104	112	2574407	100.1907413 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	840572	97.6295055 ppb		99
62) ETHYLBENZENE	6.107	106	1443411	100.8589901 ppb		98
63) M&P-XYLENE	6.206	106	3529854	201.2594958 ppb		98
64) O-XYLENE	6.515	106	1688349	99.1469847 ppb		99
65) STYRENE	6.550	104	2743747	99.7345707 ppb		100
66) Bromoform	6.583	173	553953	99.6243810 ppb		99
67) Isopropylbenzene	6.737	105	4354305	97.9868317 ppb		100
69) Bromobenzene	7.039	77	1980386	100.9896101 ppb		100
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	1040435	98.0649434 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.203	110	290674	98.7998613 ppb		99
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	303275	103.9213158 ppb		98
73) n-Propylbenzene	7.042	91	5196339	99.9704111 ppb		99
74) 4-ETHYLTOLUENE	7.123	105	4144002	99.5201883 ppb		99
75) 2-Chlorotoluene	7.171	126	1048553	101.7462452 ppb		97
76) 4-Chlorotoluene	7.296	91	3088481	99.4330332 ppb		100
77) 1,3,5-Trimethylbenzene	7.184	105	3675791	100.3102254 ppb		100
78) tert-Butylbenzene	7.428	119	3067086	99.4456672 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	3612057	100.3635704 ppb		100
80) sec-Butylbenzene	7.566	105	4772789	98.3950291 ppb		100
81) 1,3-DICHLOROBENZENE	7.753	146	1878307	100.8183472 ppb		99
82) p-Isopropyltoluene	7.673	119	3969318	100.6494452 ppb		99
83) DICYCLOPENTADIENE	7.669	66	4595254	98.3283574 ppb		99
85) 1,4-DICHLOROBENZENE	7.821	146	1953211	95.2761164 ppb	#	46
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	3820122	93.5208513 ppb		99
87) 1,2-DICHLOROBENZENE	8.152	146	1758343	93.1019827 ppb		99
88) n-Butylbenzene	8.007	91	3618697	92.3382133 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.795	157	204242	92.5514671 ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	1160450	95.4925887 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	647249	94.1708985 ppb		100
92) Naphthalene	9.624	128	2761770	94.9746327 ppb		99
93) 1,2,3-Trichlorobenzene	9.782	180	1063082	95.0433742 ppb		100
94) 1-Methylnaphthalene	10.492	142	1530534	98.9136372 ppb		99
95) 2-Methylnaphthalene	10.615	142	1230148	96.3381719 ppb		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 16.D
Acq On : 11 Jul 2014 9:09 pm
Operator : 644
Sample : STD VMS 100 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:49 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

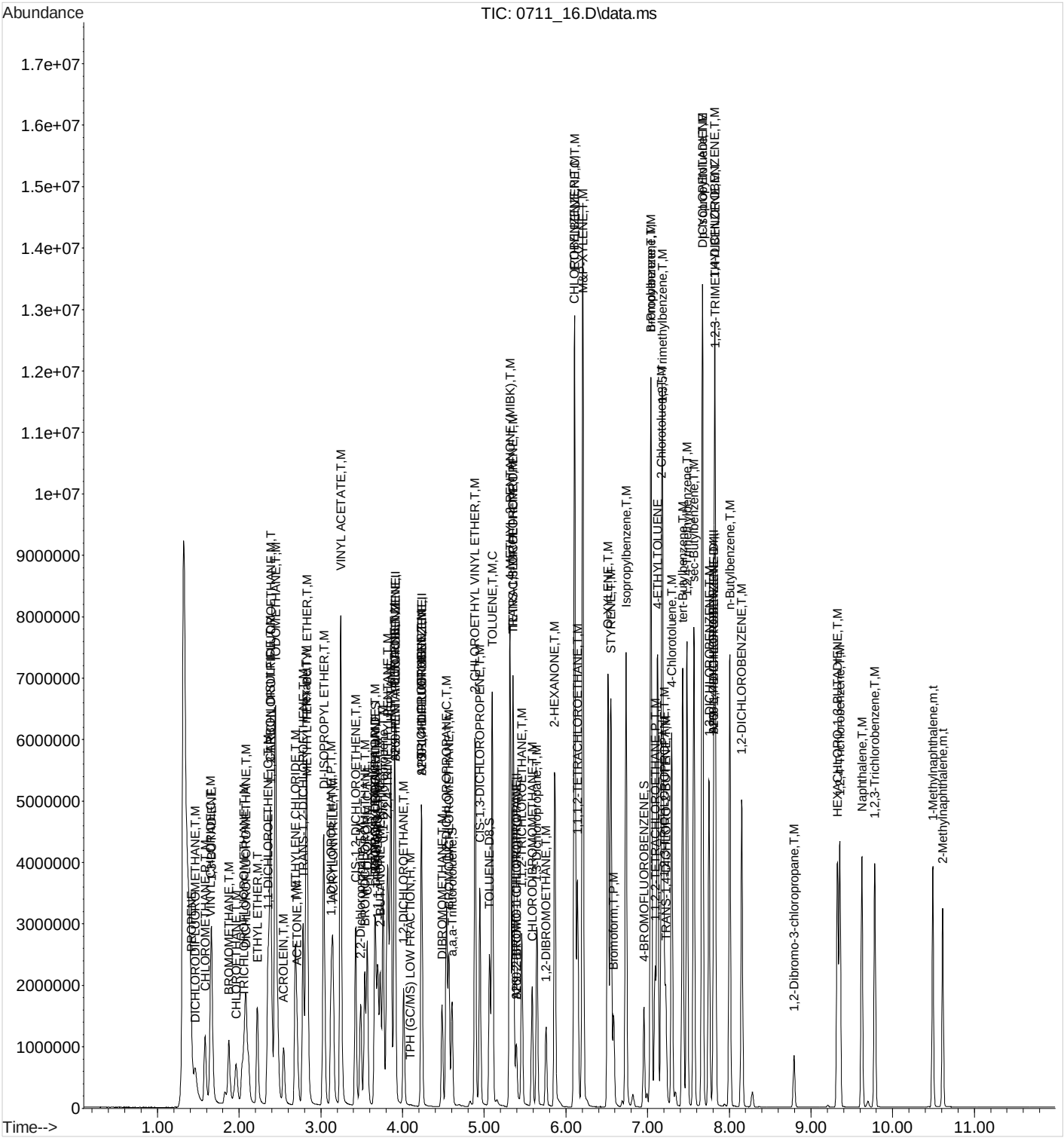
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	2.538	108	7987	No Calib	
99)	2-PROPANOL	2.625	45	928	No Calib	#
100)	Methyl Acetate	2.772	43	50698	No Calib	#
101)	ACETONITRILE	2.946	41	4338	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	
104)	chloroprene	3.149	53	1551695	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	3.242	59	1512	No Calib	#
106)	PROPIONITRILE	3.856	54	17253	No Calib	#
107)	Ethyl Acetate	3.621	43	1789	No Calib	#
108)	METHACRYLONITRILE	3.911	67	1534	No Calib	#
109)	Cyclohexane	3.567	84	61743	No Calib	#
110)	tert-butyl formate	3.814	59	1874	No Calib	#
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	4.014	59	6931	No Calib	#
113)	TERT-AMYL METHYL ETHER	3.901	73	64396	No Calib	#
115)	N-BUTANOL	4.432	56	877	No Calib	#
116)	Methyl Cyclohexane	4.232	83	30076	No Calib	#
117)	2-nitropropane	5.242	43	1718	No Calib	#
118)	METHYL METHACRYLATE	4.695	41	3798	No Calib	#
119)	1,4-DIOXANE	4.682	88	3242	No Calib	#
120)	n-octane	4.946	85	20805	No Calib	#
121)	3,3-DIMETHYL-1-BUTANOL	5.862	57	602092	No Calib	#
123)	ETHYL METHACRYLATE	5.512	69	1682	No Calib	#
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	13729	No Calib	#
125)	Cyclohexanone	7.222	55	4106	No Calib	#
126)	PENTACHLOROETHANE	7.483	117	123161	No Calib	#
127)	Hexachloroethane	8.136	117	6961	No Calib	#

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 16.D
Acq On : 11 Jul 2014 9:09 pm
Operator : 644
Sample : STD VMS 100 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:49:49 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 16.D
Acq On : 11 Jul 2014 9:09 pm
Operator : 644
Sample : STD VMS 100 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:19 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
1)	8260-PENTAFLUOROBENZENE	3.911	168	481380	40.0000000	ppb	0.00
41)	8260-1,4-DIFLUOROBENZENE	4.235	114	872704	40.0000000	ppb	0.00
53)	8260-2-BROMO-1-CHLOROP...	5.393	79	151021	40.0000000	ppb	0.00
84)	8260-1,4-DICHLOROBENZE...	7.808	152	424744	40.0000000	ppb	# 0.00
96)	AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
114)	AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
122)	AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-5.39
128)	AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-7.81
	System Monitoring Compounds						
33)	DIBROMOFLUOROMETHANE	3.670	111	338178	48.9177216	ppb	0.00
	Spiked Amount 40.000	Range 78 - 121		Recovery = 122.29%#			
46)	a,a,a-Trifluorotoluene	4.605	146	556658	46.0808215	ppb	0.00
	Spiked Amount 40.000	Range 85 - 114		Recovery = 115.20%#			
50)	TOLUENE-D8	5.065	98	1338767	47.7696632	ppb	0.00
	Spiked Amount 40.000	Range 89 - 111		Recovery = 119.42%#			
68)	4-BROMOFLUOROBENZENE	6.956	95	499026	49.1743835	ppb	0.00
	Spiked Amount 40.000	Range 71 - 126		Recovery = 122.94%			
	Target Compounds						Qvalue
2)	TPH (GC/MS) LOW FRACTION	4.096	TIC	99475773m	96.3600360	ppm	
3)	PROPENE	1.412	41	260500	93.5772273	ppb	95
4)	DICHLORODIFLUOROMETHANE	1.461	85	773766	89.6924286	ppb	98
5)	CHLOROMETHANE	1.583	50	1253153	93.4837790	ppb	100
6)	VINYL CHLORIDE	1.650	62	1361825	92.6038210	ppb	99
7)	1,3-BUTADIENE	1.660	39	1036384	88.6775768	ppb	97
8)	BROMOMETHANE	1.872	94	684209	83.9839295	ppb	99
9)	CHLOROETHANE	1.962	66	244817	90.4674522	ppb	98
10)	TRICHLOROFLUOROMETHANE	2.055	101	1169949	91.5824523	ppb	99
11)	DICHLOROFLUOROMETHANE	2.081	67	1732529	92.8929327	ppb	100
12)	ETHYL ETHER	2.223	59	860003	93.7486694	ppb	99
13)	ACROLEIN	2.544	56	729894	485.3020496	ppb	100
14)	1,1-DICHLOROETHENE	2.351	61	1661101	92.6311767	ppb	99
15)	1,1,2-TRICHLOROTRIFLUO...	2.387	101	924469	92.4483625	ppb	99
16)	ACETONE	2.708	43	1090091	458.2096874	ppb	98
17)	IODOMETHANE	2.445	142	8102491	459.9492315	ppb	99
18)	CARBON DISULFIDE	2.380	76	3714835	93.4255497	ppb	100
19)	METHYLENE CHLORIDE	2.689	84	1011353	93.3024935	ppb	98
20)	ACRYLONITRILE	3.149	53	1552269	483.9104756	ppb	98
21)	n-Hexane	2.821	56	959336	94.5823197	ppb	98
22)	TRANS-1,2-DICHLOROETHENE	2.782	96	958308	95.7725995	ppb	98
23)	METHYL TERT-BUTYL ETHER	2.834	73	2561419	93.9437988	ppb	100
24)	1,1-DICHLOROETHANE	3.126	63	1834486	94.9520097	ppb	99
25)	VINYL ACETATE	3.242	43	9807184	456.3486514	ppb	99
26)	DI-ISOPROPYL ETHER	3.036	45	3438764	95.1578100	ppb	100
27)	2,2-Dichloropropane	3.486	77	910823	87.6553384	ppb	100
28)	CIS-1,2-DICHLOROETHENE	3.425	96	1002410	95.5582429	ppb	99
29)	2-BUTANONE (MEK)	3.727	43	1904049	471.6782683	ppb	99
30)	BROMOCHLOROMETHANE	3.538	130	585952	96.7215380	ppb	97
31)	TETRAHYDROFURAN	3.663	42	268267	92.9485247	ppb	98
32)	CHLOROFORM	3.567	83	1628091	93.0099378	ppb	100
34)	1,1,1-TRICHLOROETHANE	3.695	97	1253779	92.6277589	ppb	100
35)	CARBON TETRACHLORIDE	3.663	117	1299789	93.3193259	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 16.D
Acq On : 11 Jul 2014 9:09 pm
Operator : 644
Sample : STD VMS 100 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:19 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	1383482	94.5233347 ppb		100
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	4270746	91.8614619 ppb		98
38) HEPTANE	3.856	43	1982571	95.3519474 ppb	#	99
39) BENZENE	3.901	78	3803382	94.7084369 ppb		100
40) 1,2-DICHLOROETHANE	4.014	62	1175501	93.3894651 ppb		100
42) TRICHLOROETHENE	4.232	130	930170	94.0608882 ppb		99
43) 1,2-DICHLOROPROPANE	4.538	62	731089	93.3944940 ppb		99
44) DIBROMOMETHANE	4.483	93	530273	92.9500518 ppb		98
45) BROMODICHLOROMETHANE	4.567	83	1265865	94.7482374 ppb		100
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	2098011	493.9596493 ppb		100
48) CIS-1,3-DICHLOROPROPENE	4.946	75	1629266	95.1646603 ppb		99
49) 4-METHYL-2-PENTANONE (...	5.316	58	1803955	474.4014533 ppb		98
51) TOLUENE	5.097	91	3932461	94.4927636 ppb		99
52) TRANS-1,3-DICHLOROPROPENE	5.351	110	353296	100.7789409 ppb		98
54) 1,1,2-TRICHLOROETHANE	5.460	97	752402	98.6434763 ppb		99
55) TETRACHLOROETHENE	5.354	164	695152	99.4258991 ppb		99
56) 1,3-Dichloropropane	5.644	76	1414729	97.1577951 ppb		99
57) 2-HEXANONE	5.862	58	1717005	490.1743298 ppb		98
58) CHLORODIBROMOMETHANE	5.586	129	865029	100.4145426 ppb		99
59) 1,2-DIBROMOETHANE	5.756	107	760799	97.2966615 ppb		98
60) CHLOROBENZENE	6.104	112	2574407	100.1907413 ppb		100
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	840572	97.6295055 ppb		99
62) ETHYLBENZENE	6.107	106	1443411	100.8589901 ppb		98
63) M&P-XYLENE	6.206	106	3529854	201.2594958 ppb		98
64) O-XYLENE	6.515	106	1688349	99.1469847 ppb		99
65) STYRENE	6.550	104	2743747	99.7345707 ppb		100
66) Bromoform	6.583	173	553953	99.6243810 ppb		99
67) Isopropylbenzene	6.737	105	4354305	97.9868317 ppb		100
69) Bromobenzene	7.039	77	1980386	100.9896101 ppb		100
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	1040435	98.0649434 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.203	110	290674	98.7998613 ppb		99
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	303275	103.9213158 ppb		98
73) n-Propylbenzene	7.042	91	5196339	99.9704111 ppb		99
74) 4-ETHYLTOLUENE	7.123	105	4144002	99.5201883 ppb		99
75) 2-Chlorotoluene	7.171	126	1048553	101.7462452 ppb		97
76) 4-Chlorotoluene	7.296	91	3088481	99.4330332 ppb		100
77) 1,3,5-Trimethylbenzene	7.184	105	3675791	100.3102254 ppb		100
78) tert-Butylbenzene	7.428	119	3067086	99.4456672 ppb		100
79) 1,2,4-Trimethylbenzene	7.483	105	3612057	100.3635704 ppb		100
80) sec-Butylbenzene	7.566	105	4772789	98.3950291 ppb		100
81) 1,3-DICHLOROBENZENE	7.753	146	1878307	100.8183472 ppb		99
82) p-Isopropyltoluene	7.673	119	3969318	100.6494452 ppb		99
83) DICYCLOPENTADIENE	7.669	66	4595254	98.3283574 ppb		99
85) 1,4-DICHLOROBENZENE	7.821	146	1953211	95.2761164 ppb	#	46
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	3820122	93.5208513 ppb		99
87) 1,2-DICHLOROBENZENE	8.152	146	1758343	93.1019827 ppb		99
88) n-Butylbenzene	8.007	91	3618697	92.3382133 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.795	157	204242	92.5514671 ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	1160450	95.4925887 ppb		99
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	647249	94.1708985 ppb		100
92) Naphthalene	9.624	128	2761770	94.9746327 ppb		99
93) 1,2,3-Trichlorobenzene	9.782	180	1063082	95.0433742 ppb		100
94) 1-Methylnaphthalene	10.492	142	1530534	98.9136372 ppb		99
95) 2-Methylnaphthalene	10.615	142	1230148	96.3381719 ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 16.D
Acq On : 11 Jul 2014 9:09 pm
Operator : 644
Sample : STD VMS 100 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:19 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration

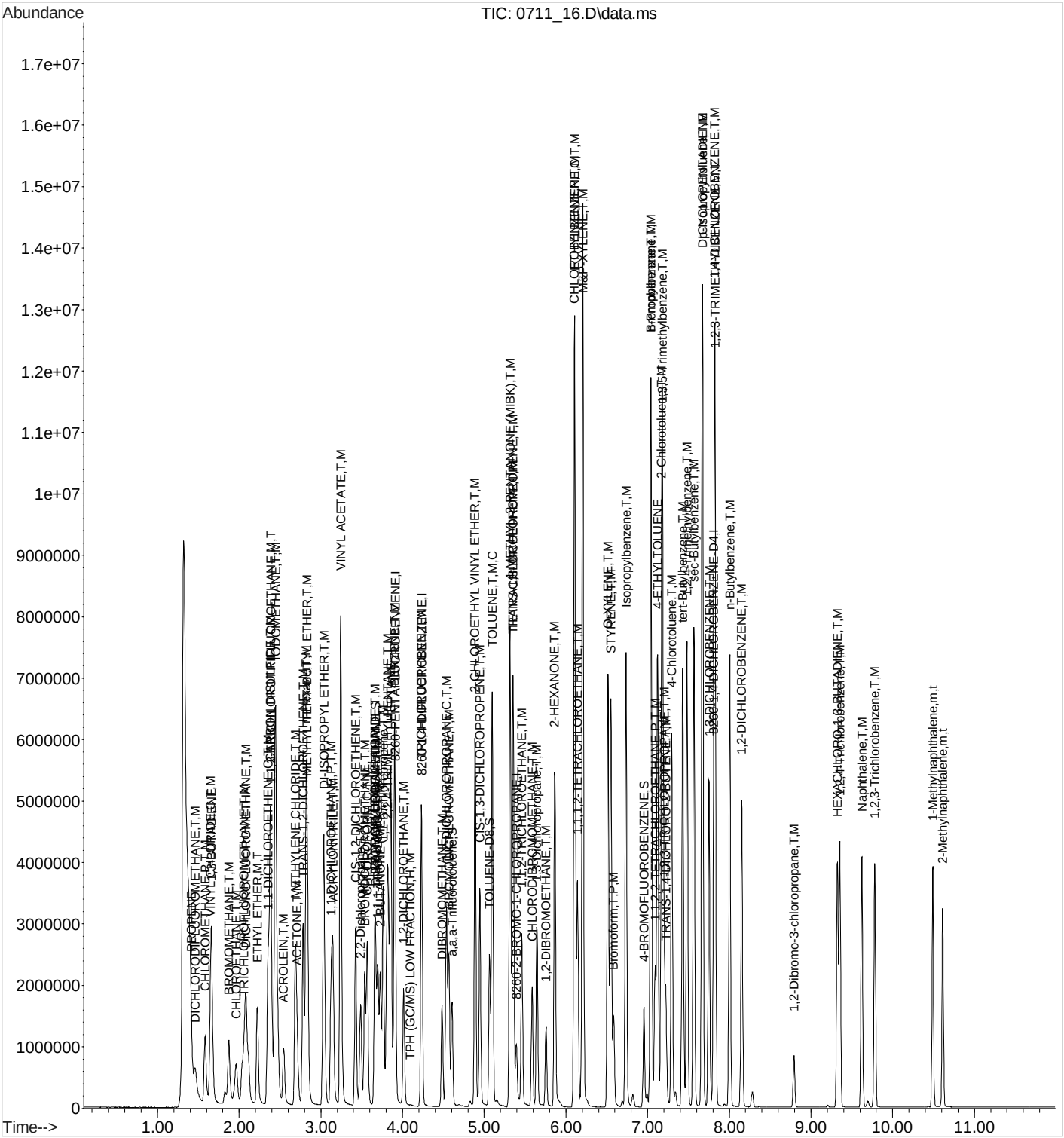
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	d
99)	2-PROPANOL	0.000		0	N.D.	d
100)	Methyl Acetate	0.000		0	N.D.	d
101)	ACETONITRILE	0.000		0	N.D.	d
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	
104)	chloroprene	0.000		0	N.D.	d
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d
106)	PROPIONITRILE	0.000		0	N.D.	d
107)	Ethyl Acetate	0.000		0	N.D.	d
108)	METHACRYLONITRILE	0.000		0	N.D.	d
109)	Cyclohexane	0.000		0	N.D.	d
110)	tert-butyl formate	0.000		0	N.D.	d
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	0.000		0	N.D.	d
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d
115)	N-BUTANOL	0.000		0	N.D.	d
116)	Methyl Cyclohexane	0.000		0	N.D.	d
117)	2-nitropropane	0.000		0	N.D.	d
118)	METHYL METHACRYLATE	0.000		0	N.D.	d
119)	1,4-DIOXANE	0.000		0	N.D.	d
120)	n-octane	0.000		0	N.D.	d
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d
123)	ETHYL METHACRYLATE	0.000		0	N.D.	d
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d
125)	Cyclohexanone	0.000		0	N.D.	d
126)	PENTACHLOROETHANE	0.000		0	N.D.	d
127)	Hexachloroethane	0.000		0	N.D.	d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 16.D
Acq On : 11 Jul 2014 9:09 pm
Operator : 644
Sample : STD VMS 100 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:19 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:48:41 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 17.D
Acq On : 11 Jul 2014 9:29 pm
Operator : 644
Sample : STD VMS 200 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 17 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:30 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:57:25 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.911	168	506648	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	917522	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	154693	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	462735	40.0000000 ppb	# 0.00
96) AP9-PENTAFLUOROBENZENE	3.911	168	506648	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	917522	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	154693	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	462735	40.0000000 ppb	# 0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	363790	50.6114867 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 126.53%#		
46) a,a,a-Trifluorotoluene	4.605	146	585764	46.4429249 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 116.11%#		
50) TOLUENE-D8	5.065	98	1401992	47.5973312 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 118.99%#		
68) 4-BROMOFLUOROBENZENE	6.955	95	539017	53.0857231 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 132.71%#		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	238514595m	Below Cal	
3) PROPENE	1.412	41	525989	122.3329455 ppb	95
4) DICHLORODIFLUOROMETHANE	1.457	85	1610005	195.2288886 ppb	99
5) CHLOROMETHANE	1.580	50	2589296	181.9051795 ppb	100
6) VINYL CHLORIDE	1.653	62	2824120	188.0207501 ppb	100
7) 1,3-BUTADIENE	1.657	39	2138688	182.3038785 ppb	97
8) BROMOMETHANE	1.869	94	1268418	160.0414039 ppb	99
9) CHLOROETHANE	1.956	66	429292	160.8495710 ppb	97
10) TRICHLOROFLUOROMETHANE	2.052	101	2348625	180.0257968 ppb	99
11) DICHLOROFLUOROMETHANE	2.078	67	3500967	187.9759055 ppb	100
12) ETHYL ETHER	2.219	59	1769715	189.6505237 ppb	99
13) ACROLEIN	2.544	56	1517192	920.9374692 ppb	99
14) 1,1-DICHLOROETHENE	2.351	61	3387326	183.2044224 ppb	96
15) 1,1,2-TRICHLOROTRIFLUO...	2.383	101	1896470	184.6851207 ppb	98
16) ACETONE	2.708	43	2200820	650.4927983 ppb	97
17) IODOMETHANE	2.441	142	15886940	900.3287927 ppb	97
18) CARBON DISULFIDE	2.377	76	7590740	169.7303055 ppb	99
19) METHYLENE CHLORIDE	2.686	84	2085784	107.4714248 ppb	98
20) ACRYLONITRILE	3.149	53	3162490	997.5457719 ppb	98
21) n-Hexane	2.817	56	2003376	184.3692576 ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.779	96	1995166	191.0020502 ppb	98
23) METHYL TERT-BUTYL ETHER	2.833	73	5382101	194.0050493 ppb	100
24) 1,1-DICHLOROETHANE	3.126	63	3814618	191.3015495 ppb	99
25) VINYL ACETATE	3.181	43	4926	N.D.	
26) DI-ISOPROPYL ETHER	3.036	45	7107873	196.0672163 ppb	100
27) 2,2-Dichloropropane	3.486	77	1733829	154.4401459 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.425	96	2108695	200.0287393 ppb	98
29) 2-BUTANONE (MEK)	3.727	43	3919510	963.8938197 ppb	99
30) BROMOCHLOROMETHANE	3.538	130	1219113	188.7237950 ppb	97
31) TETRAHYDROFURAN	3.663	42	553205	141.0186756 ppb	98
32) CHLOROFORM	3.567	83	3375501	116.4217864 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.695	97	2584016	188.7743023 ppb	99
35) CARBON TETRACHLORIDE	3.660	117	2705197	192.9553871 ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 17.D
Acq On : 11 Jul 2014 9:29 pm
Operator : 644
Sample : STD VMS 200 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 17 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:30 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:57:25 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	2871703	191.3179755	ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.727	57	300601	6.3808003	ppb		95
38) HEPTANE	3.856	43	4144939	207.5561711	ppb	#	99
39) BENZENE	3.901	78	7890042	191.8701493	ppb		100
40) 1,2-DICHLOROETHANE	4.013	62	2457284	194.7494058	ppb		100
42) TRICHLOROETHENE	4.232	130	1970234	198.4929005	ppb		100
43) 1,2-DICHLOROPROPANE	4.538	62	1538313	194.1955983	ppb		99
44) DIBROMOMETHANE	4.483	93	1106864	191.1842677	ppb		97
45) BROMODICHLOROMETHANE	4.567	83	2662638	195.9427162	ppb		100
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	4489131	1043.7321393	ppb		99
48) CIS-1,3-DICHLOROPROPENE	4.946	75	3423671	197.2650882	ppb		99
49) 4-METHYL-2-PENTANONE (...	5.316	58	3748318	971.1592240	ppb		95
51) TOLUENE	5.097	91	8204561	188.1440770	ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	773752	222.8645213	ppb		94
54) 1,1,2-TRICHLOROETHANE	5.460	97	1587552	214.4678000	ppb		99
55) TETRACHLOROETHENE	5.354	164	1525566	222.3752039	ppb		98
56) 1,3-Dichloropropane	5.644	76	2965348	198.4158213	ppb		99
57) 2-HEXANONE	5.866	58	3601044	1043.9336150	ppb		96
58) CHLORODIBROMOMETHANE	5.586	129	1845379	211.5367984	ppb		100
59) 1,2-DIBROMOETHANE	5.756	107	1603243	201.3375728	ppb		98
60) CHLOROBENZENE	6.107	112	5570969	218.5820736	ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	1805410	216.3457722	ppb		100
62) ETHYLBENZENE	6.110	106	3170098	226.0071364	ppb		94
63) M&P-XYLENE	6.206	106	7598027	447.2850324	ppb		85
64) O-XYLENE	6.515	106	3630634	209.7583211	ppb		98
65) STYRENE	6.550	104	5977426	227.8809694	ppb		100
66) Bromoform	6.586	173	1188190	225.9339980	ppb		98
67) Isopropylbenzene	6.737	105	9256848	216.6824408	ppb		99
69) Bromobenzene	7.042	77	4355987	230.0787896	ppb		98
70) 1,1,2,2-TETRACHLOROETHANE	7.094	83	2201368	212.8865249	ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	624303	216.6182539	ppb		99
72) TRANS-1,4-DICHLORO-2-B...	7.226	53	637337	222.9087539	ppb		97
73) n-Propylbenzene	7.042	91	11126030	221.2159247	ppb		98
74) 4-ETHYLTOLUENE	7.123	105	9019396	224.6571223	ppb		98
75) 2-Chlorotoluene	7.174	126	2318651	226.9952013	ppb		95
76) 4-Chlorotoluene	7.296	91	6732199	226.3508431	ppb		99
77) 1,3,5-Trimethylbenzene	7.184	105	8089986	231.6551665	ppb		98
78) tert-Butylbenzene	7.431	119	6626921	223.0967536	ppb		99
79) 1,2,4-Trimethylbenzene	7.483	105	7817089	225.9443951	ppb		99
80) sec-Butylbenzene	7.570	105	10184899	219.4585882	ppb		98
81) 1,3-DICHLOROBENZENE	7.753	146	4161811	231.9195193	ppb		99
82) p-Isopropyltoluene	7.673	119	8640673	233.0378662	ppb		98
83) DICYCLOPENTADIENE	7.669	66	9826145	227.3046502	ppb		98
85) 1,4-DICHLOROBENZENE	7.820	146	4410542	200.2331836	ppb	#	36
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	8401460	187.4458448	ppb		98
87) 1,2-DICHLOROBENZENE	8.155	146	3875915	195.3489235	ppb		99
88) n-Butylbenzene	8.007	91	7776932	189.5910726	ppb		98
89) 1,2-Dibromo-3-chloropr...	8.795	157	427675	187.2689981	ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	2536593	189.7226266	ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	1425877	196.4352757	ppb		99
92) Naphthalene	9.624	128	5829931	180.8356749	ppb		99
93) 1,2,3-Trichlorobenzene	9.782	180	2306828	186.0617175	ppb		100
94) 1-Methylnaphthalene	10.492	142	3178839	186.3818801	ppb		98
95) 2-Methylnaphthalene	10.615	142	2503591	180.6003014	ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 17.D
Acq On : 11 Jul 2014 9:29 pm
Operator : 644
Sample : STD VMS 200 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 17 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:30 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:57:25 2014
Response via : Initial Calibration

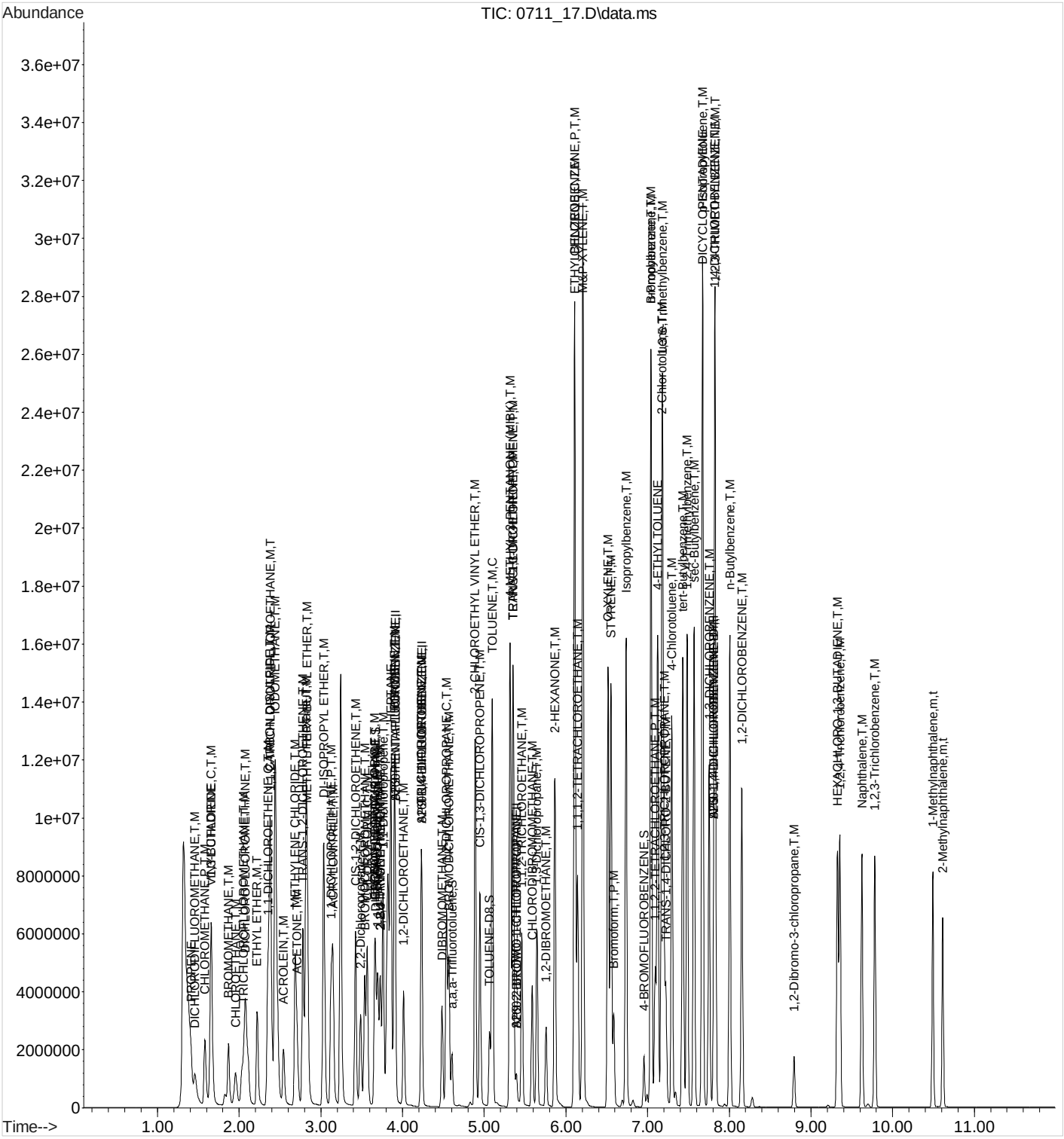
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	2.534	108	18824	No Calib	
99)	2-PROPANOL	2.628	45	1976	No Calib	#
100)	Methyl Acetate	2.772	43	119179	No Calib	#
101)	ACETONITRILE	2.940	41	15511	No Calib	#
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	
104)	chloroprene	3.149	53	3162490	No Calib	#
105)	ETHYL TERT-BUTYL ETHER	3.184	59	40350	No Calib	#
106)	PROPIONITRILE	3.856	54	35728	No Calib	#
107)	Ethyl Acetate	3.615	43	4582	No Calib	#
108)	METHACRYLONITRILE	3.911	67	2075	No Calib	#
109)	Cyclohexane	3.567	84	131165	No Calib	#
110)	tert-butyl formate	3.821	59	10839	No Calib	#
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	4.013	59	14458	No Calib	#
113)	TERT-AMYL METHYL ETHER	3.901	73	131132	No Calib	#
115)	N-BUTANOL	4.428	56	1295	No Calib	
116)	Methyl Cyclohexane	4.232	83	52217	No Calib	#
117)	2-nitropropane	5.242	43	2605	No Calib	#
118)	METHYL METHACRYLATE	4.692	41	7695	No Calib	#
119)	1,4-DIOXANE	4.679	88	2911	No Calib	#
120)	n-octane	4.949	85	44619	No Calib	#
121)	3,3-DIMETHYL-1-BUTANOL	5.866	57	1251745	No Calib	#
123)	ETHYL METHACRYLATE	5.415	69	711	No Calib	#
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	29846	No Calib	#
125)	Cyclohexanone	7.222	55	8597	No Calib	#
126)	PENTACHLOROETHANE	7.483	117	274087	No Calib	#
127)	Hexachloroethane	8.136	117	14952	No Calib	#

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 17.D
Acq On : 11 Jul 2014 9:29 pm
Operator : 644
Sample : STD VMS 200 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 17 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:30 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:57:25 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 17.D
Acq On : 11 Jul 2014 9:29 pm
Operator : 644
Sample : STD VMS 200 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 17 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:57:25 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.911	168	506648	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	917522	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	154693	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	462735	40.0000000 ppb	# 0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.91
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.24
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.39
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.81
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	363790	50.6114867 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 126.53%#		
46) a,a,a-Trifluorotoluene	4.605	146	585764	46.4429249 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 116.11%#		
50) TOLUENE-D8	5.065	98	1401992	47.5973312 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 118.99%#		
68) 4-BROMOFLUOROBENZENE	6.955	95	539017	53.0857231 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 132.71%#		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	238514595m	Below Cal	
3) PROPENE	1.412	41	525989	122.3329455 ppb	95
4) DICHLORODIFLUOROMETHANE	1.457	85	1610005	195.2288886 ppb	99
5) CHLOROMETHANE	1.580	50	2589296	181.9051795 ppb	100
6) VINYL CHLORIDE	1.653	62	2824120	188.0207501 ppb	100
7) 1,3-BUTADIENE	1.657	39	2138688	182.3038785 ppb	97
8) BROMOMETHANE	1.869	94	1268418	160.0414039 ppb	99
9) CHLOROETHANE	1.956	66	429292	160.8495710 ppb	97
10) TRICHLOROFLUOROMETHANE	2.052	101	2348625	180.0257968 ppb	99
11) DICHLOROFLUOROMETHANE	2.078	67	3500967	187.9759055 ppb	100
12) ETHYL ETHER	2.219	59	1769715	189.6505237 ppb	99
13) ACROLEIN	2.544	56	1517192	920.9374692 ppb	99
14) 1,1-DICHLOROETHENE	2.351	61	3387326	183.2044224 ppb	96
15) 1,1,2-TRICHLOROTRIFLUO...	2.383	101	1896470	184.6851207 ppb	98
16) ACETONE	2.708	43	2200820	650.4927983 ppb	97
17) IODOMETHANE	2.441	142	15886940	900.3287927 ppb	97
18) CARBON DISULFIDE	2.377	76	7590740	169.7303055 ppb	99
19) METHYLENE CHLORIDE	2.686	84	2085784	107.4714248 ppb	98
20) ACRYLONITRILE	3.149	53	3162490	997.5457719 ppb	98
21) n-Hexane	2.817	56	2003376	184.3692576 ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.779	96	1995166	191.0020502 ppb	98
23) METHYL TERT-BUTYL ETHER	2.833	73	5382101	194.0050493 ppb	100
24) 1,1-DICHLOROETHANE	3.126	63	3814618	191.3015495 ppb	99
25) VINYL ACETATE	3.235	43	16451415m	785.2019272 ppb	
26) DI-ISOPROPYL ETHER	3.036	45	7107873	196.0672163 ppb	100
27) 2,2-Dichloropropane	3.486	77	1733829	154.4401459 ppb	100
28) CIS-1,2-DICHLOROETHENE	3.425	96	2108695	200.0287393 ppb	98
29) 2-BUTANONE (MEK)	3.727	43	3919510	963.8938197 ppb	99
30) BROMOCHLOROMETHANE	3.538	130	1219113	188.7237950 ppb	97
31) TETRAHYDROFURAN	3.663	42	553205	141.0186756 ppb	98
32) CHLOROFORM	3.567	83	3375501	116.4217864 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.695	97	2584016	188.7743023 ppb	99
35) CARBON TETRACHLORIDE	3.660	117	2705197	192.9553871 ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 17.D
Acq On : 11 Jul 2014 9:29 pm
Operator : 644
Sample : STD VMS 200 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 17 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:57:25 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	2871703	191.3179755	ppb		99
37) 2,2,4-TRIMETHYLPENTANE	3.727	57	300601	6.3808003	ppb		95
38) HEPTANE	3.856	43	4144939	207.5561711	ppb	#	99
39) BENZENE	3.901	78	7890042	191.8701493	ppb		100
40) 1,2-DICHLOROETHANE	4.013	62	2457284	194.7494058	ppb		100
42) TRICHLOROETHENE	4.232	130	1970234	198.4929005	ppb		100
43) 1,2-DICHLOROPROPANE	4.538	62	1538313	194.1955983	ppb		99
44) DIBROMOMETHANE	4.483	93	1106864	191.1842677	ppb		97
45) BROMODICHLOROMETHANE	4.567	83	2662638	195.9427162	ppb		100
47) 2-CHLOROETHYL VINYL ETHER	4.888	63	4489131	1043.7321393	ppb		99
48) CIS-1,3-DICHLOROPROPENE	4.946	75	3423671	197.2650882	ppb		99
49) 4-METHYL-2-PENTANONE (...	5.316	58	3748318	971.1592240	ppb		95
51) TOLUENE	5.097	91	8204561	188.1440770	ppb		100
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	773752	222.8645213	ppb		94
54) 1,1,2-TRICHLOROETHANE	5.460	97	1587552	214.4678000	ppb		99
55) TETRACHLOROETHENE	5.354	164	1525566	222.3752039	ppb		98
56) 1,3-Dichloropropane	5.644	76	2965348	198.4158213	ppb		99
57) 2-HEXANONE	5.866	58	3601044	1043.9336150	ppb		96
58) CHLORODIBROMOMETHANE	5.586	129	1845379	211.5367984	ppb		100
59) 1,2-DIBROMOETHANE	5.756	107	1603243	201.3375728	ppb		98
60) CHLOROBENZENE	6.107	112	5570969	218.5820736	ppb		99
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	1805410	216.3457722	ppb		100
62) ETHYLBENZENE	6.110	106	3170098	226.0071364	ppb		94
63) M&P-XYLENE	6.206	106	7598027	447.2850324	ppb		85
64) O-XYLENE	6.515	106	3630634	209.7583211	ppb		98
65) STYRENE	6.550	104	5977426	227.8809694	ppb		100
66) Bromoform	6.586	173	1188190	225.9339980	ppb		98
67) Isopropylbenzene	6.737	105	9256848	216.6824408	ppb		99
69) Bromobenzene	7.042	77	4355987	230.0787896	ppb		98
70) 1,1,2,2-TETRACHLOROETHANE	7.094	83	2201368	212.8865249	ppb		100
71) 1,2,3-TRICHLOROPROPANE	7.203	110	624303	216.6182539	ppb		99
72) TRANS-1,4-DICHLORO-2-B...	7.226	53	637337	222.9087539	ppb		97
73) n-Propylbenzene	7.042	91	11126030	221.2159247	ppb		98
74) 4-ETHYLTOLUENE	7.123	105	9019396	224.6571223	ppb		98
75) 2-Chlorotoluene	7.174	126	2318651	226.9952013	ppb		95
76) 4-Chlorotoluene	7.296	91	6732199	226.3508431	ppb		99
77) 1,3,5-Trimethylbenzene	7.184	105	8089986	231.6551665	ppb		98
78) tert-Butylbenzene	7.431	119	6626921	223.0967536	ppb		99
79) 1,2,4-Trimethylbenzene	7.483	105	7817089	225.9443951	ppb		99
80) sec-Butylbenzene	7.570	105	10184899	219.4585882	ppb		98
81) 1,3-DICHLOROBENZENE	7.753	146	4161811	231.9195193	ppb		99
82) p-Isopropyltoluene	7.673	119	8640673	233.0378662	ppb		98
83) DICYCLOPENTADIENE	7.669	66	9826145	227.3046502	ppb		98
85) 1,4-DICHLOROBENZENE	7.820	146	4410542	200.2331836	ppb	#	36
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	8401460	187.4458448	ppb		98
87) 1,2-DICHLOROBENZENE	8.155	146	3875915	195.3489235	ppb		99
88) n-Butylbenzene	8.007	91	7776932	189.5910726	ppb		98
89) 1,2-Dibromo-3-chloropr...	8.795	157	427675	187.2689981	ppb		99
90) 1,2,4-Trichlorobenzene	9.354	180	2536593	189.7226266	ppb		100
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	1425877	196.4352757	ppb		99
92) Naphthalene	9.624	128	5829931	180.8356749	ppb		99
93) 1,2,3-Trichlorobenzene	9.782	180	2306828	186.0617175	ppb		100
94) 1-Methylnaphthalene	10.492	142	3178839	186.3818801	ppb		98
95) 2-Methylnaphthalene	10.615	142	2503591	180.6003014	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 17.D
Acq On : 11 Jul 2014 9:29 pm
Operator : 644
Sample : STD VMS 200 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 17 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:57:25 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	d
99)	2-PROPANOL	0.000		0	N.D.	d
100)	Methyl Acetate	0.000		0	N.D.	d
101)	ACETONITRILE	0.000		0	N.D.	d
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	0.000		0	N.D.	
104)	chloroprene	0.000		0	N.D.	d
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d
106)	PROPIONITRILE	0.000		0	N.D.	d
107)	Ethyl Acetate	0.000		0	N.D.	d
108)	METHACRYLONITRILE	0.000		0	N.D.	d
109)	Cyclohexane	0.000		0	N.D.	d
110)	tert-butyl formate	0.000		0	N.D.	d
111)	ISOBUTANOL	0.000		0	N.D.	
112)	t-Amyl Alcohol	0.000		0	N.D.	d
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d
115)	N-BUTANOL	0.000		0	N.D.	d
116)	Methyl Cyclohexane	0.000		0	N.D.	d
117)	2-nitropropane	0.000		0	N.D.	d
118)	METHYL METHACRYLATE	0.000		0	N.D.	d
119)	1,4-DIOXANE	0.000		0	N.D.	d
120)	n-octane	0.000		0	N.D.	d
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d
123)	ETHYL METHACRYLATE	0.000		0	N.D.	d
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d
125)	Cyclohexanone	0.000		0	N.D.	d
126)	PENTACHLOROETHANE	0.000		0	N.D.	d
127)	Hexachloroethane	0.000		0	N.D.	d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 17.D
Acq On : 11 Jul 2014 9:29 pm
Operator : 644
Sample : STD VMS 200 PPB 14G10915
Misc : water IS/SURR14F17495
ALS Vial : 17 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 16:57:55 2014
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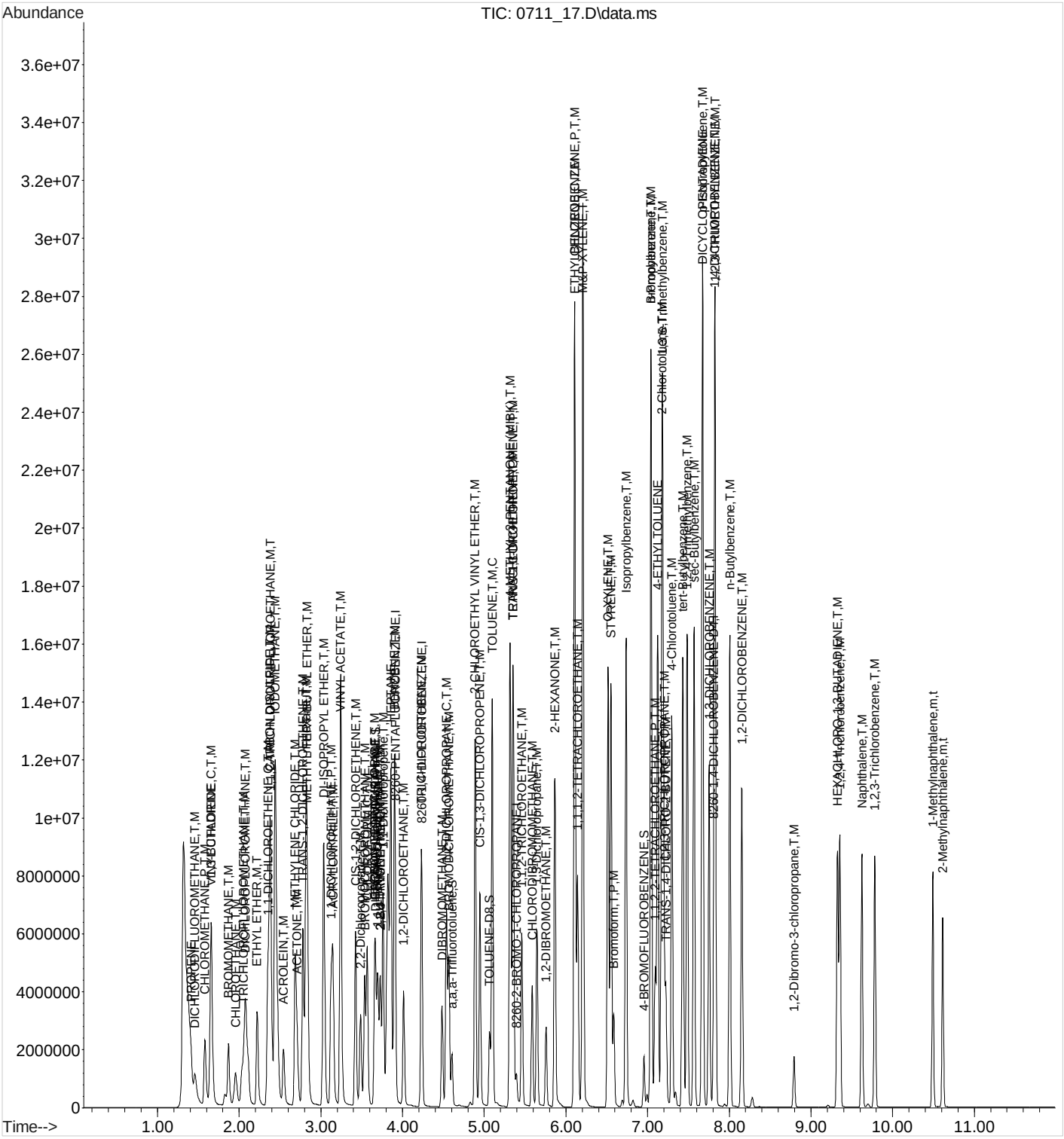
QLast Update : Sat Jul 12 16:57:25 2014
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\data\071114\
Data File : 0711 17.D
Acq On    : 11 Jul 2014   9:29 pm
Operator  : 644
Sample    : STD VMS 200 PPB 14G10915
Misc      : water IS/SURR14F17495
ALS Vial  : 17   Sample Multiplier: 1
InstName  : VOCMS23

Quant Time: Jul 12 16:57:30 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:57:25 2014
Response via : Initial Calibration
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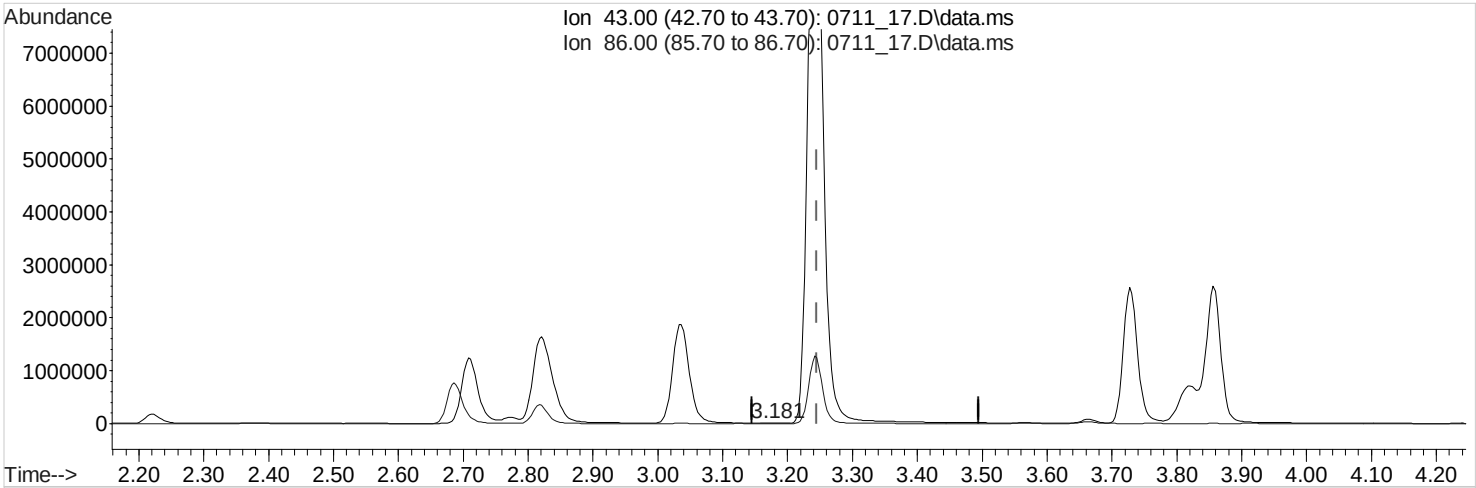

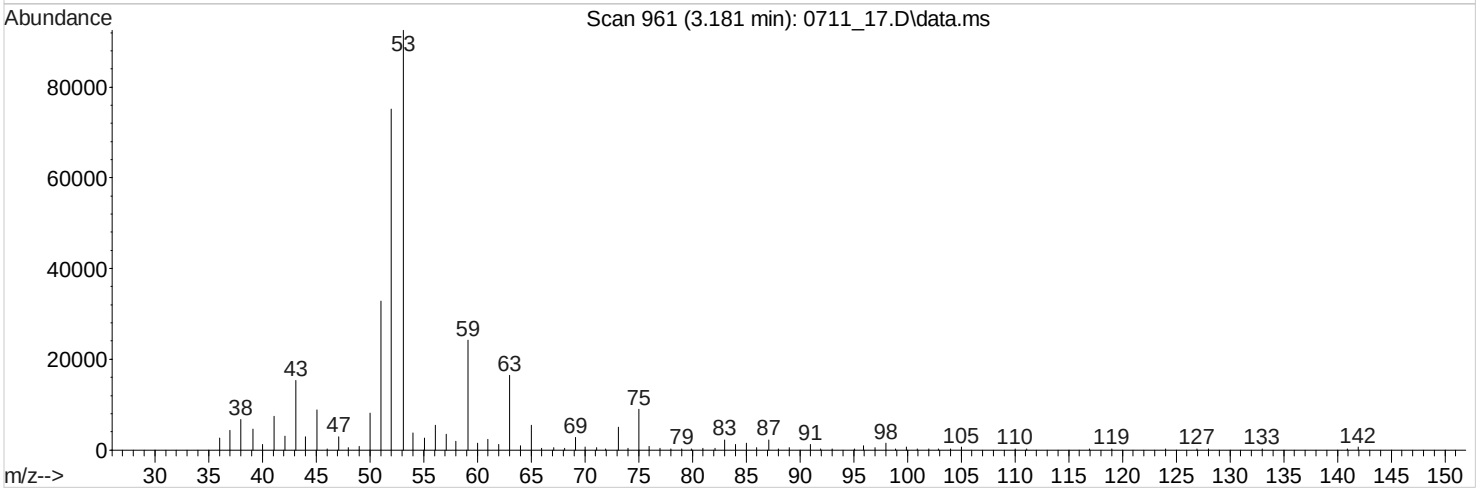

TIC: 0711_17.D\data.ms

(25) VINYL ACETATE (T,M)

3.181min (-0.064) 0.2351108 ppb

Qvalue = 75

response 4926

Ion	Exp%	Act%
43.00	100	100
86.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\071114\
Data File : 0711 17.D
Acq On    : 11 Jul 2014   9:29 pm
Operator  : 644
Sample    : STD VMS 200 PPB 14G10915
Misc      : water IS/SURR14F17495
ALS Vial  : 17   Sample Multiplier: 1
InstName  : VOCMS23

Quant Time: Jul 12 16:57:30 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 16:57:25 2014
Response via : Initial Calibration
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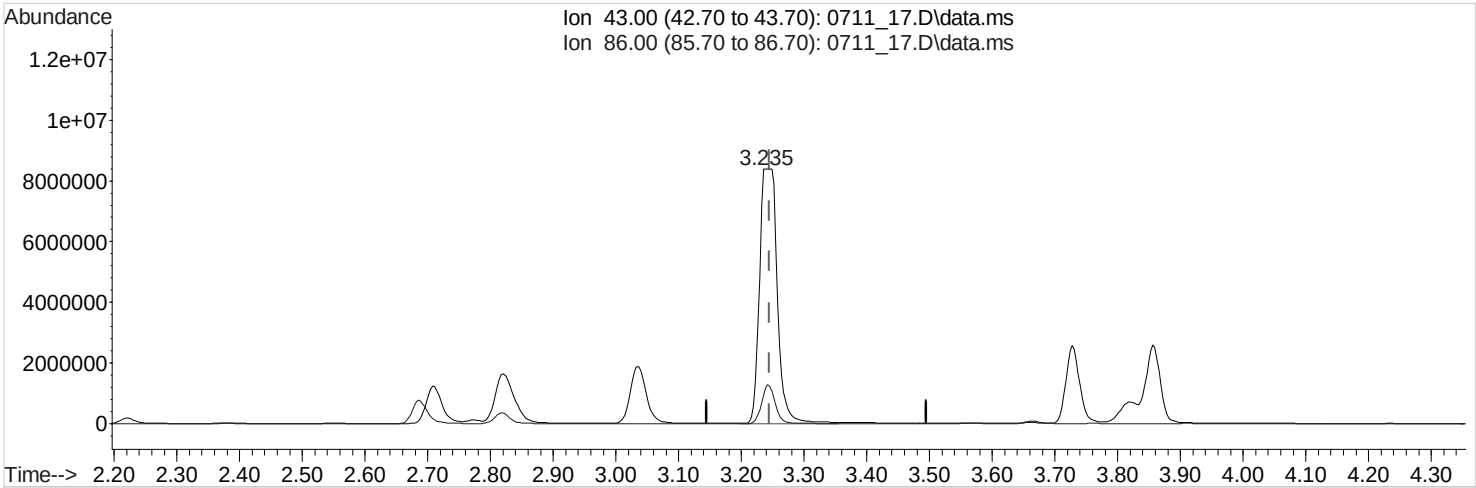
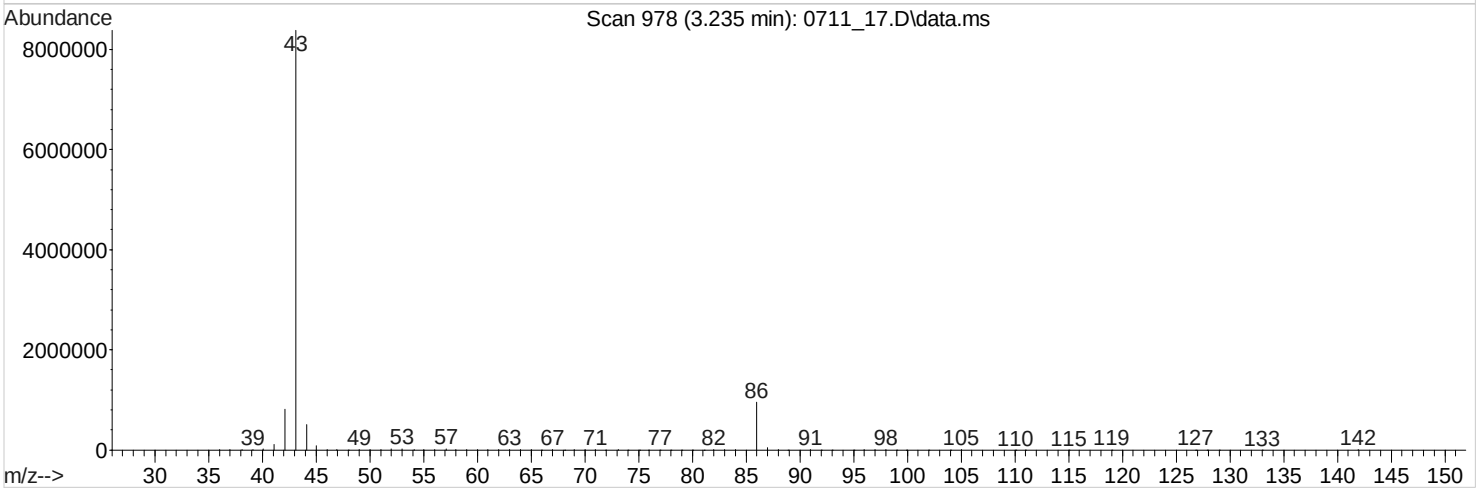




TIC: 0711_17.D\data.ms

(25) VINYL ACETATE (T,M)

3.235min (-0.009) 785.2019272 ppb m

response 16451415

Ion	Exp%	Act%
43.00	100	100
86.00	9.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 21.D
Acq On : 11 Jul 2014 10:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 21 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:05:50 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	444579	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	781084	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	134233	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	355633	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	444579	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	781084	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	134233	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	355633	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	248845	39.3358139 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 98.34%		
46) a,a,a-Trifluorotoluene	4.605	146	433939	40.6078090 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.52%		
50) TOLUENE-D8	5.065	98	975111	38.9889490 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.47%		
68) 4-BROMOFLUOROBENZENE	6.952	95	361502	40.7209334 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 101.80%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7506243		No Calib	
3) PROPENE	1.409	41	1223	0.4850935 ppb #	1
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	1108	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.650	39	1240	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.547	56	2191	1.5265890 ppb #	54
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.715	43	5726	2.6096108 ppb #	77
17) IODOMETHANE	2.448	142	1089	N.D.	
18) CARBON DISULFIDE	2.387	76	5348	N.D.	
19) METHYLENE CHLORIDE	2.692	84	10336	0.9956382 ppb	89
20) ACRYLONITRILE	3.116	53	75657	27.2023912 ppb #	50
21) n-Hexane	0.000		0	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	3.116	63	1420	N.D.	
25) VINYL ACETATE	3.245	43	4869	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.734	43	596	N.D.	
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.666	42	1075	0.3934584 ppb #	54
32) CHLOROFORM	3.570	83	14318	0.8633047 ppb	98
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 21.D
Acq On : 11 Jul 2014 10:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 21 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:05:50 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.811	57	62806	1.5192990 ppb #	1
38) HEPTANE	3.811	43	13482	0.7667259 ppb #	25
39) BENZENE	3.907	78	1931	N.D.	
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	4.235	130	1338	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	7943	1.1809876 ppb #	13
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	560	N.D.	
51) TOLUENE	5.100	91	3035	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	5.354	164	7484	1.2445312 ppb	96
56) 1,3-Dichloropropane	5.647	76	1017	N.D.	
57) 2-HEXANONE	5.872	58	648	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.110	112	1116	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	568	N.D.	
62) ETHYLBENZENE	6.110	106	564	N.D.	
63) M&P-XYLENE	6.206	106	1572	N.D.	
64) O-XYLENE	6.512	106	785	N.D.	
65) STYRENE	6.554	104	1338	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.737	105	1075	N.D.	
69) Bromobenzene	7.042	77	902	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.242	83	1828	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	1788	0.7132437 ppb #	25
73) n-Propylbenzene	7.042	91	2070	N.D.	
74) 4-ETHYLTOLUENE	7.119	105	1904	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.293	91	1991	N.D.	
77) 1,3,5-Trimethylbenzene	7.181	105	1007	N.D.	
78) tert-Butylbenzene	7.457	119	19057	0.7316640 ppb #	33
79) 1,2,4-Trimethylbenzene	7.486	105	2647	N.D.	
80) sec-Butylbenzene	7.566	105	1973	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	1460	N.D.	
82) p-Isopropyltoluene	7.669	119	2145	N.D.	
83) DICYCLOPENTADIENE	7.669	66	1490	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	2127	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	3101	N.D.	
87) 1,2-DICHLOROBENZENE	8.155	146	1340	N.D.	
88) n-Butylbenzene	8.007	91	2416	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.357	180	2368	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	903	N.D.	
92) Naphthalene	9.624	128	13215	0.5380441 ppb	100
93) 1,2,3-Trichlorobenzene	9.782	180	3668	0.3874019 ppb	94
94) 1-Methylnaphthalene	10.492	142	18838	1.4460953 ppb	97
95) 2-Methylnaphthalene	10.615	142	18431	1.7453434 ppb	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 21.D
Acq On : 11 Jul 2014 10:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 21 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:05:50 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

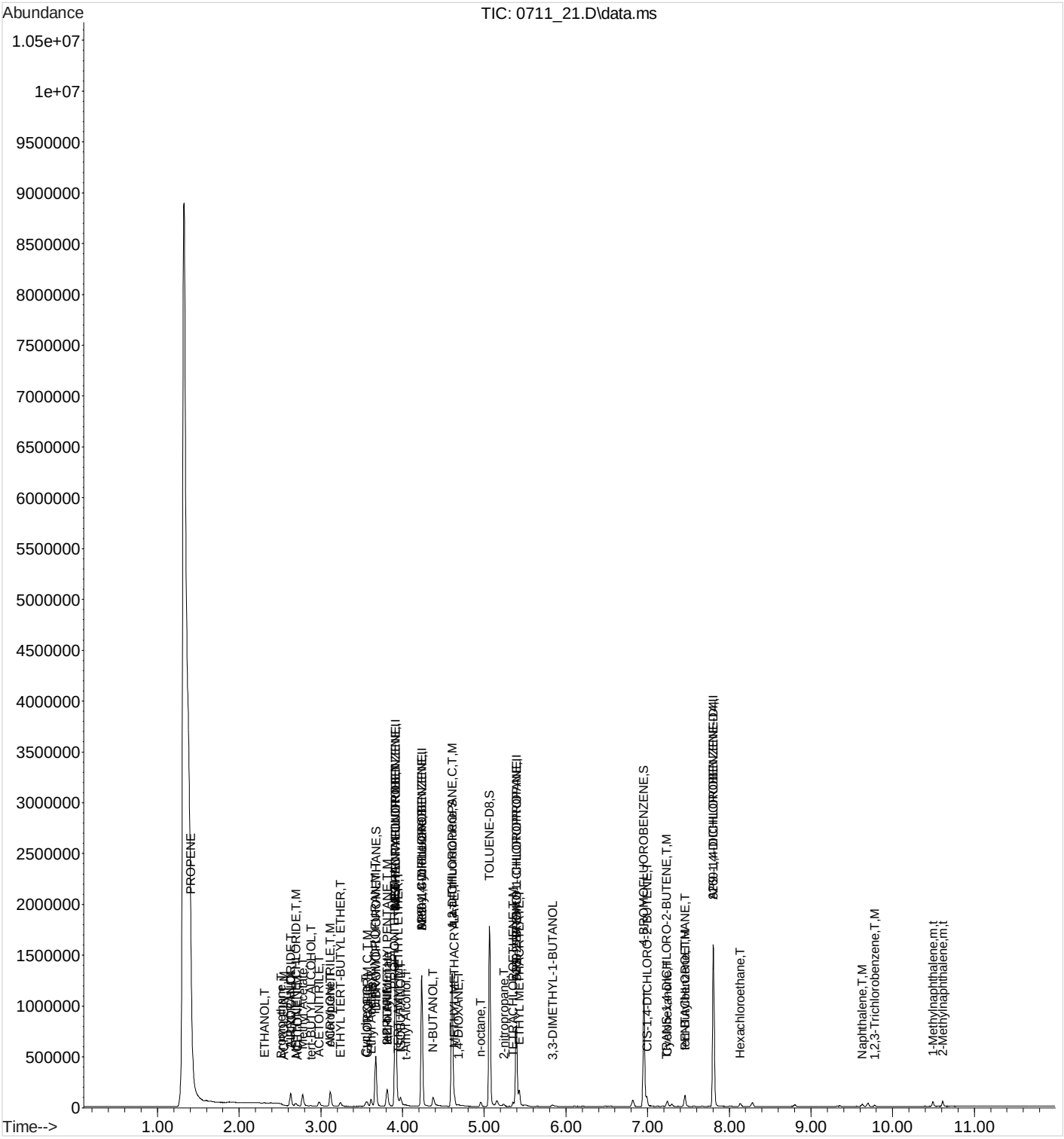
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.313	45	7954	94.8779912 ppb	#	99
98)	Bromoethane	2.512	108	7734	1.1063363 ppb		95
99)	2-PROPANOL	2.631	45	2999	6.0121779 ppb	#	89
100)	Methyl Acetate	2.776	43	127299	20.8460885 ppb	#	97
101)	ACETONITRILE	2.978	41	47335	55.9613870 ppb		98
102)	ALLYL CHLORIDE	2.631	76	24617	5.3247772 ppb		87
103)	tert-BUTYL ALCOHOL	2.878	59	5772	6.1389263 ppb	#	85
104)	chloroprene	3.116	53	75657	5.5181862 ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	28535	1.0629296 ppb		97
106)	PROPIONITRILE	3.901	54	56702	52.0049953 ppb	#	85
107)	Ethyl Acetate	3.615	43	69043	10.0643171 ppb		98
108)	METHACRYLONITRILE	3.914	67	164071	50.2558777 ppb		99
109)	Cyclohexane	3.554	84	12707	1.0740970 ppb		98
110)	tert-butyl formate	3.811	59	75687	9.7972365 ppb		92
111)	ISOBUTANOL	3.975	43	53165	106.6338922 ppb	#	98
112)	t-Amyl Alcohol	4.039	59	3084	4.4443136 ppb	#	27
113)	TERT-AMYL METHYL ETHER	3.946	73	25138	1.0713069 ppb	#	59
115)	N-BUTANOL	4.374	56	54288	187.1130843 ppb		99
116)	Methyl Cyclohexane	4.235	83	22752	1.5321381 ppb	#	80
117)	2-nitropropane	5.239	43	13043	5.0768392 ppb		99
118)	METHYL METHACRYLATE	4.634	41	34691	4.8145608 ppb		88
119)	1,4-DIOXANE	4.682	88	9771	164.9660278 ppb		89
120)	n-octane	4.959	85	8141	1.2046587 ppb	#	81
121)	3,3-DIMETHYL-1-BUTANOL	5.837	57	9062	10.8724439 ppb		88
123)	ETHYL METHACRYLATE	5.428	69	47823	4.8058214 ppb	#	33
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	14217	5.2818172 ppb	#	26
125)	Cyclohexanone	7.242	55	20541	11.7519212 ppb		95
126)	PENTACHLOROETHANE	7.457	117	19534	4.3227804 ppb		93
127)	Hexachloroethane	8.132	117	6173	0.9783843 ppb		92

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 21.D
Acq On : 11 Jul 2014 10:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 21 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:05:50 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



V823G11N.M Sat Jul 12 17:05:51 2014 Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 21.D
Acq On : 11 Jul 2014 10:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 21 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
41) 8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
53) 8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb	-5.39
84) 8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb	-7.81
96) AP9-PENTAFLUOROBENZENE	3.914	168	444579	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	781084	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	134233	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	355633	40.0000000	ppb	0.00

System Monitoring Compounds

33) DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb
Spiked Amount 40.000	Range 78 - 121		Recovery =	0.00%#	
46) a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb
Spiked Amount 40.000	Range 85 - 114		Recovery =	0.00%#	
50) TOLUENE-D8	0.000	98	0d	0.0000000	ppb
Spiked Amount 40.000	Range 89 - 111		Recovery =	0.00%#	
68) 4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb
Spiked Amount 40.000	Range 71 - 126		Recovery =	0.00%#	

Target Compounds

				Qvalue
2) TPH (GC/MS) LOW FRACTION	0.000	0	N.D. d	
3) PROPENE	0.000	0	N.D. d	
4) DICHLORODIFLUOROMETHANE	0.000	0	N.D.	
5) CHLOROMETHANE	0.000	0	N.D. d	
6) VINYL CHLORIDE	0.000	0	N.D.	
7) 1,3-BUTADIENE	0.000	0	N.D. d	
8) BROMOMETHANE	0.000	0	N.D.	
9) CHLOROETHANE	0.000	0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000	0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000	0	N.D.	
12) ETHYL ETHER	0.000	0	N.D.	
13) ACROLEIN	0.000	0	N.D. d	
14) 1,1-DICHLOROETHENE	0.000	0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000	0	N.D.	
16) ACETONE	0.000	0	N.D. d	
17) IODOMETHANE	0.000	0	N.D. d	
18) CARBON DISULFIDE	0.000	0	N.D. d	
19) METHYLENE CHLORIDE	0.000	0	N.D. d	
20) ACRYLONITRILE	0.000	0	N.D. d	
21) n-Hexane	0.000	0	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000	0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000	0	N.D.	
24) 1,1-DICHLOROETHANE	0.000	0	N.D. d	
25) VINYL ACETATE	0.000	0	N.D. d	
26) DI-ISOPROPYL ETHER	0.000	0	N.D.	
27) 2,2-Dichloropropane	0.000	0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000	0	N.D.	
29) 2-BUTANONE (MEK)	0.000	0	N.D. d	
30) BROMOCHLOROMETHANE	0.000	0	N.D.	
31) TETRAHYDROFURAN	0.000	0	N.D. d	
32) CHLOROFORM	0.000	0	N.D. d	
34) 1,1,1-TRICHLOROETHANE	0.000	0	N.D.	
35) CARBON TETRACHLORIDE	0.000	0	N.D.	

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 21.D
Acq On : 11 Jul 2014 10:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 21 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	d
38) HEPTANE	0.000		0	N.D.	d
39) BENZENE	0.000		0	N.D.	d
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	d
43) 1,2-DICHLOROPROPANE	0.000		0	N.D.	d
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	d
51) TOLUENE	0.000		0	N.D.	d
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	d
56) 1,3-Dichloropropane	0.000		0	N.D.	d
57) 2-HEXANONE	0.000		0	N.D.	d
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	d
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	d
62) ETHYLBENZENE	0.000		0	N.D.	d
63) M&P-XYLENE	0.000		0	N.D.	d
64) O-XYLENE	0.000		0	N.D.	d
65) STYRENE	0.000		0	N.D.	d
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	0.000		0	N.D.	d
69) Bromobenzene	0.000		0	N.D.	d
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	d
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	d
73) n-Propylbenzene	0.000		0	N.D.	d
74) 4-ETHYLTOLUENE	0.000		0	N.D.	d
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	d
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d
78) tert-Butylbenzene	0.000		0	N.D.	d
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d
80) sec-Butylbenzene	0.000		0	N.D.	d
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	d
82) p-Isopropyltoluene	0.000		0	N.D.	d
83) DICYCLOPENTADIENE	0.000		0	N.D.	d
85) 1,4-DICHLOROBENZENE	0.000		0	N.D.	d
86) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	d
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	d
88) n-Butylbenzene	0.000		0	N.D.	d
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	d
92) Naphthalene	0.000		0	N.D.	d
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d
94) 1-Methylnaphthalene	0.000		0	N.D.	d
95) 2-Methylnaphthalene	0.000		0	N.D.	d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 21.D
Acq On : 11 Jul 2014 10:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 21 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

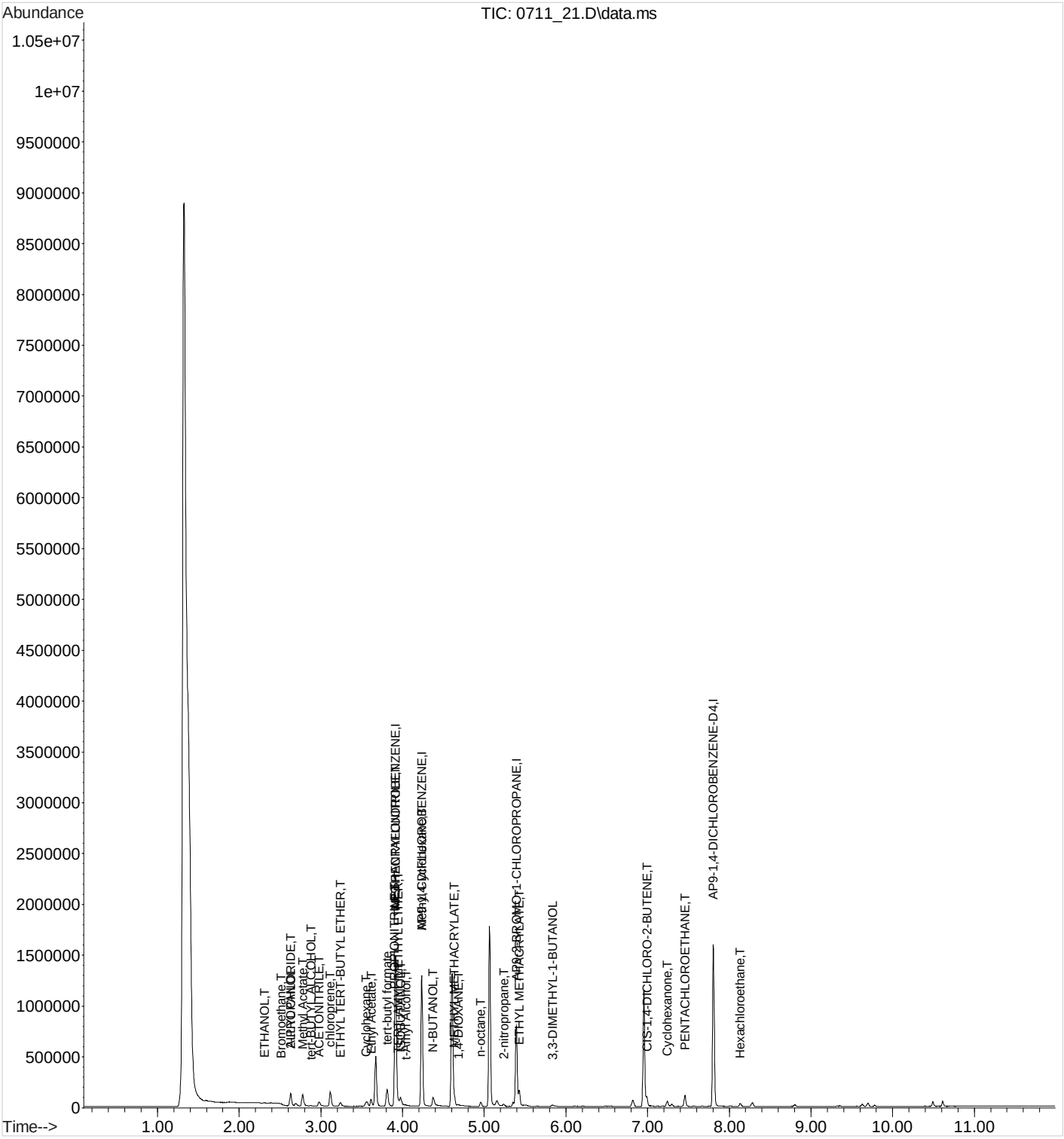
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	ETHANOL	2.313	45	7954	94.8779912	ppb	#	99
98)	Bromoethane	2.512	108	7734	1.1063363	ppb		95
99)	2-PROPANOL	2.631	45	2999	6.0121779	ppb	#	89
100)	Methyl Acetate	2.776	43	127299	20.8460885	ppb	#	97
101)	ACETONITRILE	2.978	41	47335	55.9613870	ppb		98
102)	ALLYL CHLORIDE	2.631	76	24617	5.3247772	ppb		87
103)	tert-BUTYL ALCOHOL	2.878	59	5772	6.1389263	ppb	#	85
104)	chloroprene	3.116	53	75657	5.5181862	ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	28535	1.0629296	ppb		97
106)	PROPIONITRILE	3.901	54	56702	52.0049953	ppb	#	85
107)	Ethyl Acetate	3.615	43	69043	10.0643171	ppb		98
108)	METHACRYLONITRILE	3.914	67	164071	50.2558777	ppb		99
109)	Cyclohexane	3.554	84	12707	1.0740970	ppb		98
110)	tert-butyl formate	3.811	59	75687	9.7972365	ppb		92
111)	ISOBUTANOL	3.975	43	53165	106.6338922	ppb	#	98
112)	t-Amyl Alcohol	4.039	59	3084	4.4443136	ppb	#	27
113)	TERT-AMYL METHYL ETHER	3.946	73	25138	1.0713069	ppb	#	59
115)	N-BUTANOL	4.374	56	54288	187.1130843	ppb		99
116)	Methyl Cyclohexane	4.235	83	22752	1.5321381	ppb	#	80
117)	2-nitropropane	5.239	43	13043	5.0768392	ppb		99
118)	METHYL METHACRYLATE	4.634	41	34691	4.8145608	ppb		88
119)	1,4-DIOXANE	4.682	88	9771	164.9660278	ppb		89
120)	n-octane	4.959	85	8141	1.2046587	ppb	#	81
121)	3,3-DIMETHYL-1-BUTANOL	5.837	57	9062	10.8724439	ppb		88
123)	ETHYL METHACRYLATE	5.428	69	47823	4.8058214	ppb	#	33
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	14217	5.2818172	ppb	#	26
125)	Cyclohexanone	7.242	55	20541	11.7519212	ppb		95
126)	PENTACHLOROETHANE	7.457	117	19534	4.3227804	ppb		93
127)	Hexachloroethane	8.132	117	6173	0.9783843	ppb		92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 21.D
Acq On : 11 Jul 2014 10:49 pm
Operator : 644
Sample : STD VMS 1 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 21 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 22.D
Acq On : 11 Jul 2014 11:09 pm
Operator : 644
Sample : STD VMS 2.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 22 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:05:54 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards						
1)	8260-PENTAFLUOROBENZENE	3.914	168	450946	40.0000000 ppb	0.00
41)	8260-1,4-DIFLUOROBENZENE	4.235	114	795485	40.0000000 ppb	0.00
53)	8260-2-BROMO-1-CHLOROP...	5.393	79	137271	40.0000000 ppb	0.00
84)	8260-1,4-DICHLOROBENZE...	7.804	152	352643	40.0000000 ppb	0.00
96)	AP9-PENTAFLUOROBENZENE	3.914	168	450946	40.0000000 ppb	0.00
114)	AP9-1,4-DIFLUOROBENZENE	4.235	114	795485	40.0000000 ppb	0.00
122)	AP9-2-BROMO-1-CHLOROPR...	5.393	79	137271	40.0000000 ppb	0.00
128)	AP9-1,4-DICHLOROBENZEN...	7.804	152	352643	40.0000000 ppb	0.00
System Monitoring Compounds						
33)	DIBROMOFLUOROMETHANE	3.673	111	250755	39.0780810 ppb	0.00
	Spiked Amount 40.000	Range 78 - 121		Recovery = 97.70%		
46)	a,a,a-Trifluorotoluene	4.605	146	439555	40.3886973 ppb	0.00
	Spiked Amount 40.000	Range 85 - 114		Recovery = 100.97%		
50)	TOLUENE-D8	5.065	98	1000081	39.2634444 ppb	0.00
	Spiked Amount 40.000	Range 89 - 111		Recovery = 98.16%		
68)	4-BROMOFLUOROBENZENE	6.952	95	366581	40.3791776 ppb	0.00
	Spiked Amount 40.000	Range 71 - 126		Recovery = 100.95%		
Target Compounds						Qvalue
2)	TPH (GC/MS) LOW FRACTION	4.096	TIC -8391401		No Calib	
3)	PROPENE	1.400	41	1285	0.5024890 ppb #	30
4)	DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5)	CHLOROMETHANE	1.596	50	2561	N.D.	
6)	VINYL CHLORIDE	0.000		0	N.D.	
7)	1,3-BUTADIENE	1.650	39	3452	0.3188168 ppb	99
8)	BROMOMETHANE	0.000		0	N.D.	
9)	CHLOROETHANE	0.000		0	N.D.	
10)	TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11)	DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12)	ETHYL ETHER	0.000		0	N.D.	
13)	ACROLEIN	2.551	56	1026	0.7047767 ppb	94
14)	1,1-DICHLOROETHENE	0.000		0	N.D.	
15)	1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16)	ACETONE	2.715	43	5559	2.4977299 ppb #	85
17)	IODOMETHANE	2.448	142	1041	N.D.	
18)	CARBON DISULFIDE	2.387	76	4871	N.D.	
19)	METHYLENE CHLORIDE	2.692	84	9771	0.9279241 ppb	97
20)	ACRYLONITRILE	3.116	53	178365	63.2254618 ppb #	50
21)	n-Hexane	2.817	56	767	N.D.	
22)	TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23)	METHYL TERT-BUTYL ETHER	2.834	73	573	N.D.	
24)	1,1-DICHLOROETHANE	3.116	63	2896	N.D.	
25)	VINYL ACETATE	3.239	43	8802	0.4813995 ppb #	75
26)	DI-ISOPROPYL ETHER	0.000		0	N.D.	
27)	2,2-Dichloropropane	3.557	77	610	N.D.	
28)	CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29)	2-BUTANONE (MEK)	3.734	43	1571	0.4354951 ppb	91
30)	BROMOCHLOROMETHANE	0.000		0	N.D.	
31)	TETRAHYDROFURAN	3.666	42	1272	0.4589886 ppb #	76
32)	CHLOROFORM	3.570	83	15304	0.9097271 ppb #	83
34)	1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35)	CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 22.D
Acq On : 11 Jul 2014 11:09 pm
Operator : 644
Sample : STD VMS 2.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 22 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:05:54 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.811	57	160105	3.8183121 ppb #	1
38) HEPTANE	3.811	43	32141	1.8020615 ppb #	25
39) BENZENE	3.904	78	2156	N.D.	
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	4.232	130	2216	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	7950	1.1606296 ppb #	34
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.428	58	4579	1.3719848 ppb #	4
51) TOLUENE	5.097	91	4101	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	5.393	110	540	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.428	97	580	N.D.	
55) TETRACHLOROETHENE	5.354	164	13720	2.2310363 ppb	98
56) 1,3-Dichloropropane	5.647	76	833	N.D.	
57) 2-HEXANONE	5.872	58	637	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.107	112	1000	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.139	133	1250	N.D.	
62) ETHYLBENZENE	6.113	106	636	N.D.	
63) M&P-XYLENE	6.203	106	2070	N.D.	
64) O-XYLENE	6.515	106	782	N.D.	
65) STYRENE	6.554	104	1326	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.734	105	679	N.D.	
69) Bromobenzene	7.042	77	771	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.245	83	4741	0.5136661 ppb #	26
71) 1,2,3-TRICHLOROPROPANE	7.190	110	511	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.239	53	4330	1.6890356 ppb #	43
73) n-Propylbenzene	7.039	91	1649	N.D.	
74) 4-ETHYLTOLUENE	7.123	105	2196	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.296	91	1643	N.D.	
77) 1,3,5-Trimethylbenzene	7.184	105	1256	N.D.	
78) tert-Butylbenzene	7.457	119	54821	2.0581859 ppb #	32
79) 1,2,4-Trimethylbenzene	7.483	105	2806	N.D.	
80) sec-Butylbenzene	7.563	105	1706	N.D.	
81) 1,3-DICHLOROBENZENE	7.756	146	1110	N.D.	
82) p-Isopropyltoluene	7.673	119	1590	N.D.	
83) DICYCLOPENTADIENE	7.669	66	1025	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	1728	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.824	105	3134	N.D.	
87) 1,2-DICHLOROBENZENE	8.155	146	897	N.D.	
88) n-Butylbenzene	8.007	91	1402	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	1430	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	9.316	225	509	N.D.	
92) Naphthalene	9.624	128	7650	0.3141080 ppb	100
93) 1,2,3-Trichlorobenzene	9.779	180	1960	N.D.	
94) 1-Methylnaphthalene	10.492	142	11185	0.8658943 ppb	94
95) 2-Methylnaphthalene	10.615	142	11663	1.1138047 ppb	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 22.D
Acq On : 11 Jul 2014 11:09 pm
Operator : 644
Sample : STD VMS 2.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 22 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:05:54 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

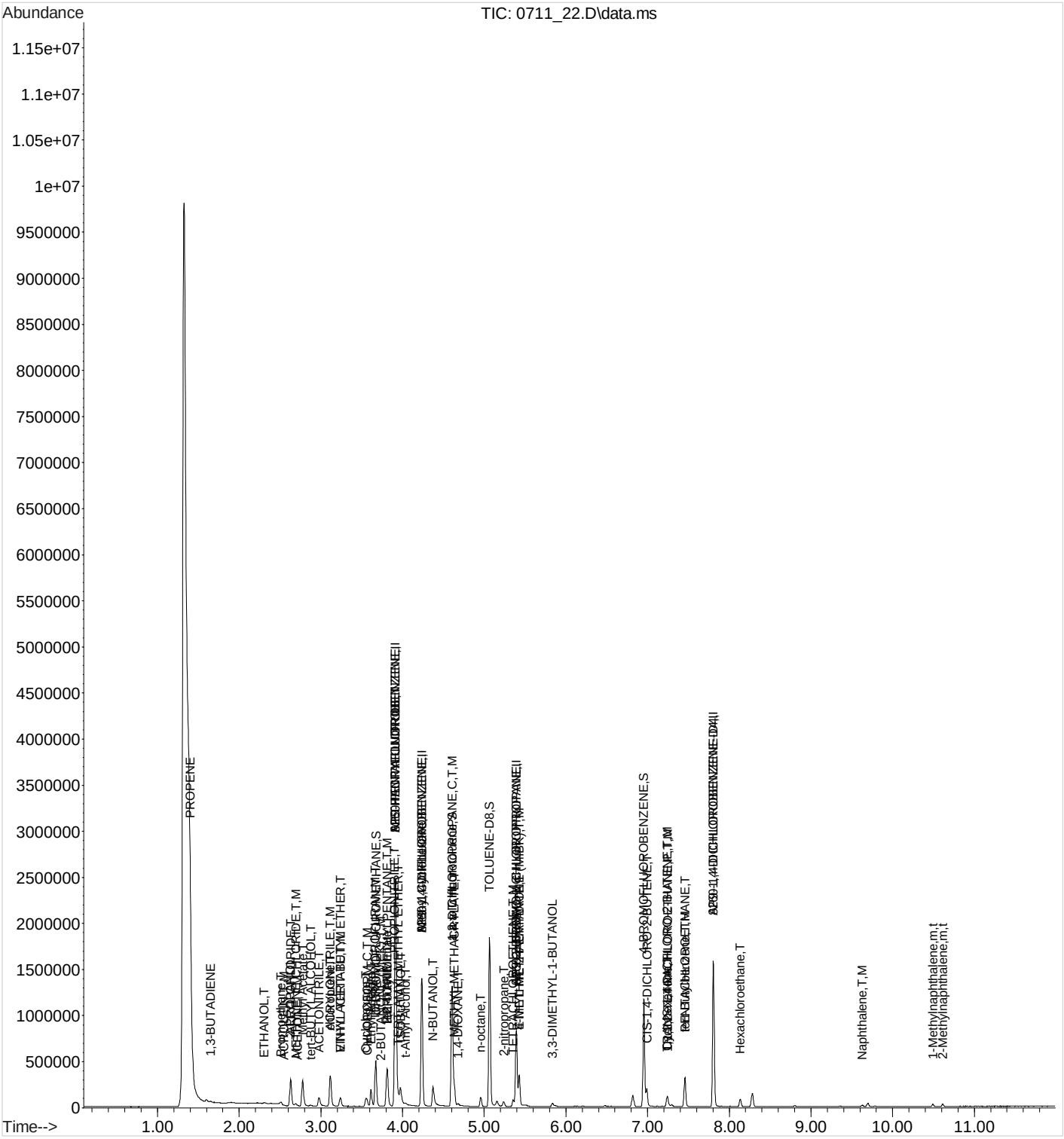
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.306	45	17623	207.2450381 ppb	#	88
98)	Bromoethane	2.512	108	18436	2.6000046 ppb		93
99)	2-PROPANOL	2.625	45	6413	12.6747967 ppb		93
100)	Methyl Acetate	2.776	43	314083	50.7070589 ppb	#	97
101)	ACETONITRILE	2.978	41	106683	124.3442519 ppb		99
102)	ALLYL CHLORIDE	2.631	76	59706	12.7323538 ppb		91
103)	tert-BUTYL ALCOHOL	2.875	59	11884	12.4610072 ppb	#	88
104)	chloroprene	3.116	53	178365	12.8257059 ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	69549	2.5541237 ppb		99
106)	PROPIONITRILE	3.901	54	136821	123.7154246 ppb	#	91
107)	Ethyl Acetate	3.615	43	175450	25.2140399 ppb		99
108)	METHACRYLONITRILE	3.914	67	410450	123.9480511 ppb		99
109)	Cyclohexane	3.554	84	30910	2.5758697 ppb		94
110)	tert-butyl formate	3.811	59	192298	24.5403908 ppb		92
111)	ISOBUTANOL	3.975	43	138405	273.6816179 ppb		96
112)	t-Amyl Alcohol	4.036	59	10298	14.6307847 ppb		98
113)	TERT-AMYL METHYL ETHER	3.946	73	62103	2.6092769 ppb	#	92
115)	N-BUTANOL	4.374	56	135640	459.0435010 ppb		98
116)	Methyl Cyclohexane	4.235	83	44127	2.9177528 ppb		91
117)	2-nitropropane	5.239	43	31675	12.1059335 ppb		98
118)	METHYL METHACRYLATE	4.634	41	90231	12.2959297 ppb	#	90
119)	1,4-DIOXANE	4.679	88	16042	265.9376109 ppb	#	91
120)	n-octane	4.959	85	16899	2.4553478 ppb		95
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	20476	24.1220374 ppb		96
123)	ETHYL METHACRYLATE	5.428	69	126595	12.4402144 ppb		98
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	34187	12.4198655 ppb		97
125)	Cyclohexanone	7.242	55	46268	25.8850206 ppb		94
126)	PENTACHLOROETHANE	7.457	117	57617	12.4681818 ppb		92
127)	Hexachloroethane	8.132	117	16559	2.5664203 ppb		97

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 22.D
Acq On : 11 Jul 2014 11:09 pm
Operator : 644
Sample : STD VMS 2.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 22 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:05:54 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 22.D
Acq On : 11 Jul 2014 11:09 pm
Operator : 644
Sample : STD VMS 2.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 22 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:07:21 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
41) 8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
53) 8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb	-5.39
84) 8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb	-7.81
96) AP9-PENTAFLUOROBENZENE	3.914	168	450946	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	795485	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	137271	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	352643	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 78 - 121		Recovery = 0.00%#			
46) a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 85 - 114		Recovery = 0.00%#			
50) TOLUENE-D8	0.000	98	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 89 - 111		Recovery = 0.00%#			
68) 4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 71 - 126		Recovery = 0.00%#			

Target Compounds				Qvalue
2) TPH (GC/MS) LOW FRACTION	0.000	0	N.D. d	
3) PROPENE	0.000	0	N.D. d	
4) DICHLORODIFLUOROMETHANE	0.000	0	N.D.	
5) CHLOROMETHANE	0.000	0	N.D. d	
6) VINYL CHLORIDE	0.000	0	N.D.	
7) 1,3-BUTADIENE	0.000	0	N.D. d	
8) BROMOMETHANE	0.000	0	N.D.	
9) CHLOROETHANE	0.000	0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000	0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000	0	N.D.	
12) ETHYL ETHER	0.000	0	N.D.	
13) ACROLEIN	0.000	0	N.D. d	
14) 1,1-DICHLOROETHENE	0.000	0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000	0	N.D.	
16) ACETONE	0.000	0	N.D. d	
17) IODOMETHANE	0.000	0	N.D. d	
18) CARBON DISULFIDE	0.000	0	N.D. d	
19) METHYLENE CHLORIDE	0.000	0	N.D. d	
20) ACRYLONITRILE	0.000	0	N.D. d	
21) n-Hexane	0.000	0	N.D. d	
22) TRANS-1,2-DICHLOROETHENE	0.000	0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000	0	N.D. d	
24) 1,1-DICHLOROETHANE	0.000	0	N.D. d	
25) VINYL ACETATE	0.000	0	N.D. d	
26) DI-ISOPROPYL ETHER	0.000	0	N.D.	
27) 2,2-Dichloropropane	0.000	0	N.D. d	
28) CIS-1,2-DICHLOROETHENE	0.000	0	N.D.	
29) 2-BUTANONE (MEK)	0.000	0	N.D. d	
30) BROMOCHLOROMETHANE	0.000	0	N.D.	
31) TETRAHYDROFURAN	0.000	0	N.D. d	
32) CHLOROFORM	0.000	0	N.D. d	
34) 1,1,1-TRICHLOROETHANE	0.000	0	N.D.	
35) CARBON TETRACHLORIDE	0.000	0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 22.D
Acq On : 11 Jul 2014 11:09 pm
Operator : 644
Sample : STD VMS 2.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 22 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:07:21 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	d
38) HEPTANE	0.000		0	N.D.	d
39) BENZENE	0.000		0	N.D.	d
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	d
43) 1,2-DICHLOROPROPANE	0.000		0	N.D.	d
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	d
51) TOLUENE	0.000		0	N.D.	d
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	d
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	d
55) TETRACHLOROETHENE	0.000		0	N.D.	d
56) 1,3-Dichloropropane	0.000		0	N.D.	d
57) 2-HEXANONE	0.000		0	N.D.	d
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	d
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	d
62) ETHYLBENZENE	0.000		0	N.D.	d
63) M&P-XYLENE	0.000		0	N.D.	d
64) O-XYLENE	0.000		0	N.D.	d
65) STYRENE	0.000		0	N.D.	d
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	0.000		0	N.D.	d
69) Bromobenzene	0.000		0	N.D.	d
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	d
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	d
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	d
73) n-Propylbenzene	0.000		0	N.D.	d
74) 4-ETHYLTOLUENE	0.000		0	N.D.	d
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	d
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d
78) tert-Butylbenzene	0.000		0	N.D.	d
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d
80) sec-Butylbenzene	0.000		0	N.D.	d
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	d
82) p-Isopropyltoluene	0.000		0	N.D.	d
83) DICYCLOPENTADIENE	0.000		0	N.D.	d
85) 1,4-DICHLOROBENZENE	0.000		0	N.D.	d
86) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	d
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	d
88) n-Butylbenzene	0.000		0	N.D.	d
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	d
92) Naphthalene	0.000		0	N.D.	d
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d
94) 1-Methylnaphthalene	0.000		0	N.D.	d
95) 2-Methylnaphthalene	0.000		0	N.D.	d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 22.D
Acq On : 11 Jul 2014 11:09 pm
Operator : 644
Sample : STD VMS 2.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 22 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:07:21 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

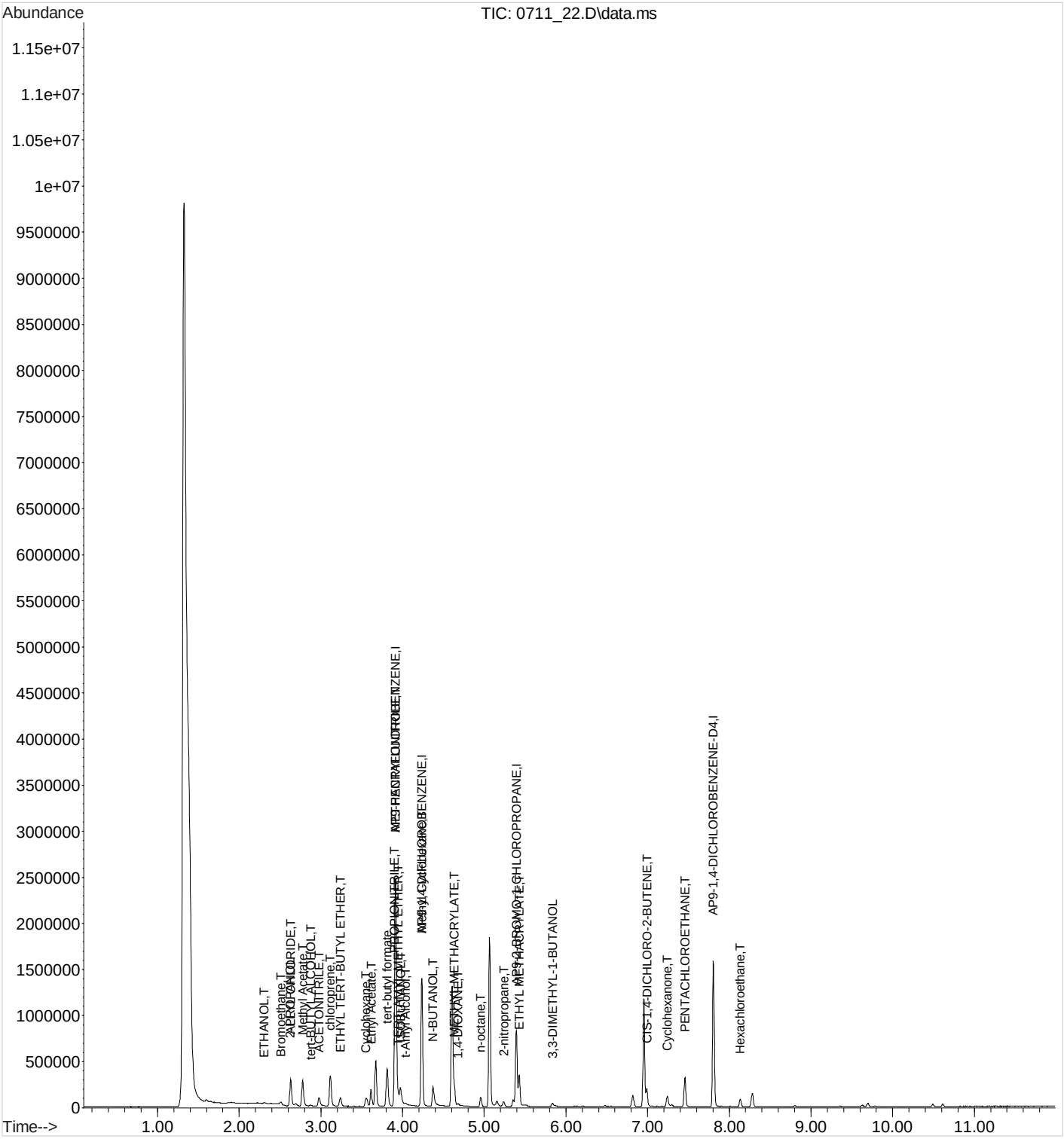
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	2.306	45	17623	207.2450381 ppb #	88
98)	Bromoethane	2.512	108	18436	2.6000046 ppb	93
99)	2-PROPANOL	2.625	45	6413	12.6747967 ppb	93
100)	Methyl Acetate	2.776	43	314083	50.7070589 ppb #	97
101)	ACETONITRILE	2.978	41	106683	124.3442519 ppb	99
102)	ALLYL CHLORIDE	2.631	76	59706	12.7323538 ppb	91
103)	tert-BUTYL ALCOHOL	2.875	59	11884	12.4610072 ppb #	88
104)	chloroprene	3.116	53	178365	12.8257059 ppb	99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	69549	2.5541237 ppb	99
106)	PROPIONITRILE	3.901	54	136821	123.7154246 ppb #	91
107)	Ethyl Acetate	3.615	43	175450	25.2140399 ppb	99
108)	METHACRYLONITRILE	3.914	67	410450	123.9480511 ppb	99
109)	Cyclohexane	3.554	84	30910	2.5758697 ppb	94
110)	tert-butyl formate	3.811	59	192298	24.5403908 ppb	92
111)	ISOBUTANOL	3.975	43	138405	273.6816179 ppb	96
112)	t-Amyl Alcohol	4.036	59	10298	14.6307847 ppb	98
113)	TERT-AMYL METHYL ETHER	3.946	73	62103	2.6092769 ppb #	92
115)	N-BUTANOL	4.374	56	135640	459.0435010 ppb	98
116)	Methyl Cyclohexane	4.235	83	44127	2.9177528 ppb	91
117)	2-nitropropane	5.239	43	31675	12.1059335 ppb	98
118)	METHYL METHACRYLATE	4.634	41	90231	12.2959297 ppb #	90
119)	1,4-DIOXANE	4.679	88	16042	265.9376109 ppb #	91
120)	n-octane	4.959	85	16899	2.4553478 ppb	95
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	20476	24.1220374 ppb	96
123)	ETHYL METHACRYLATE	5.428	69	126595	12.4402144 ppb	98
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	34187	12.4198655 ppb	97
125)	Cyclohexanone	7.242	55	46268	25.8850206 ppb	94
126)	PENTACHLOROETHANE	7.457	117	57617	12.4681818 ppb	92
127)	Hexachloroethane	8.132	117	16559	2.5664203 ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 22.D
Acq On : 11 Jul 2014 11:09 pm
Operator : 644
Sample : STD VMS 2.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 22 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:07:21 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 23.D
Acq On : 11 Jul 2014 11:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 23 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:00 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	490056	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	861462	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	150700	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	377650	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	490056	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	861462	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	150700	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	377650	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	272119	39.0230600 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 97.56%		
46) a,a,a-Trifluorotoluene	4.605	146	478713	40.6179230 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.54%		
50) TOLUENE-D8	5.065	98	1073500	38.9180559 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.30%		
68) 4-BROMOFLUOROBENZENE	6.952	95	391134	39.2444849 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 98.11%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -10103656		No Calib	
3) PROPENE	1.399	41	1207	0.4343197 ppb #	25
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.599	50	3562	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.647	39	6833	0.5807119 ppb	93
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.547	56	1355	0.8564900 ppb #	74
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.715	43	5507	2.2768935 ppb #	66
17) IODOMETHANE	2.451	142	1397	N.D.	
18) CARBON DISULFIDE	2.387	76	4970	N.D.	
19) METHYLENE CHLORIDE	2.689	84	9329	0.8152436 ppb	96
20) ACRYLONITRILE	3.113	53	353427	115.2818466 ppb #	50
21) n-Hexane	2.821	56	694	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	2.827	73	1036	N.D.	
24) 1,1-DICHLOROETHANE	3.113	63	5765	0.3000875 ppb #	42
25) VINYL ACETATE	3.239	43	15642	0.7872187 ppb #	75
26) DI-ISOPROPYL ETHER	3.042	45	707	N.D.	
27) 2,2-Dichloropropane	3.557	77	736	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.731	43	1721	0.4390023 ppb #	47
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.663	42	1542	0.5120095 ppb #	47
32) CHLOROFORM	3.570	83	17042	0.9321924 ppb	90
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 23.D
Acq On : 11 Jul 2014 11:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 23 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:00 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.811	57	328778	7.2151955 ppb #	1
38) HEPTANE	3.811	43	66154	3.4130697 ppb #	25
39) BENZENE	3.904	78	2696	N.D.	
40) 1,2-DICHLOROETHANE	4.013	62	547	N.D.	
42) TRICHLOROETHENE	4.232	130	4200	0.4509770 ppb #	74
43) 1,2-DICHLOROPROPANE	4.605	62	8494	1.1450768 ppb #	53
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.946	75	525	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.428	58	8984	2.4856746 ppb #	12
51) TOLUENE	5.097	91	4988	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.428	97	827	N.D.	
55) TETRACHLOROETHENE	5.354	164	19380	2.8705944 ppb	98
56) 1,3-Dichloropropane	5.647	76	1037	N.D.	
57) 2-HEXANONE	5.837	58	1734	0.5139488 ppb #	32
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.110	112	878	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	2343	N.D.	
62) ETHYLBENZENE	6.110	106	752	N.D.	
63) M&P-XYLENE	6.206	106	2620	N.D.	
64) O-XYLENE	6.515	106	1171	N.D.	
65) STYRENE	6.554	104	1348	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.737	105	998	N.D.	
69) Bromobenzene	7.036	77	756	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.242	83	7678	0.7577476 ppb #	26
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.232	53	6111	2.1713445 ppb #	56
73) n-Propylbenzene	7.042	91	2134	N.D.	
74) 4-ETHYLTOLUENE	7.119	105	2874	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.296	91	1854	N.D.	
77) 1,3,5-Trimethylbenzene	7.184	105	1574	N.D.	
78) tert-Butylbenzene	7.457	119	117063	4.0033433 ppb #	32
79) 1,2,4-Trimethylbenzene	7.483	105	3241	N.D.	
80) sec-Butylbenzene	7.566	105	1365	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	1019	N.D.	
82) p-Isopropyltoluene	7.673	119	1779	N.D.	
83) DICYCLOPENTADIENE	7.666	66	1147	N.D.	
85) 1,4-DICHLOROBENZENE	7.814	146	1597	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.824	105	3304	N.D.	
87) 1,2-DICHLOROBENZENE	8.152	146	827	N.D.	
88) n-Butylbenzene	8.007	91	2354	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	1209	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.624	128	5844	N.D.	
93) 1,2,3-Trichlorobenzene	9.782	180	1402	N.D.	
94) 1-Methylnaphthalene	10.492	142	7930	0.5732550 ppb	95
95) 2-Methylnaphthalene	10.615	142	8284	0.7387282 ppb	95

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 23.D
Acq On : 11 Jul 2014 11:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 23 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:00 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

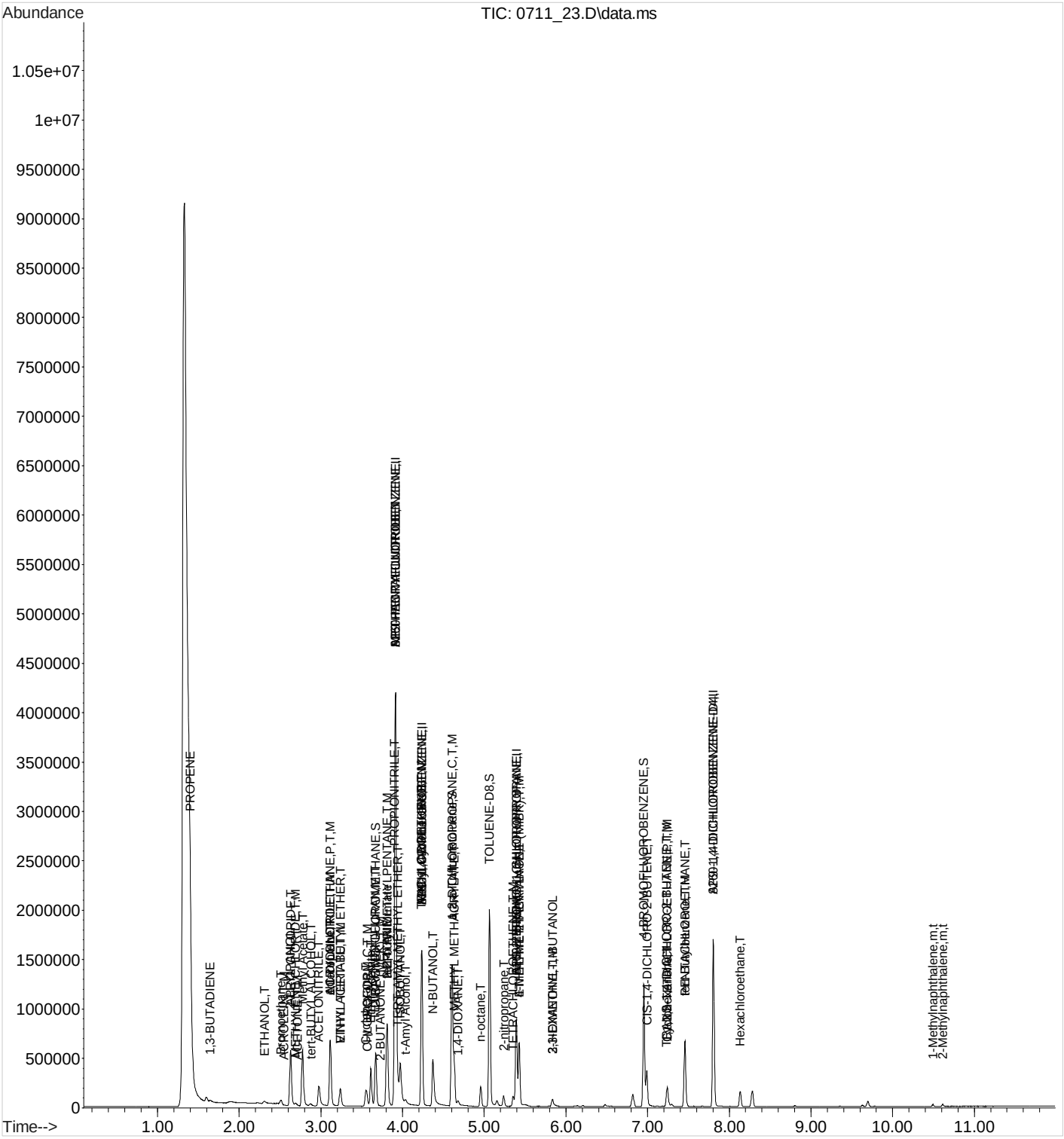
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.309	45	42990	465.2116408 ppb	#	94
98)	Bromoethane	2.512	108	35663	4.6281148 ppb		95
99)	2-PROPANOL	2.624	45	12583	22.8845715 ppb		95
100)	Methyl Acetate	2.776	43	637492	94.7060140 ppb	#	97
101)	ACETONITRILE	2.975	41	220419	236.4059211 ppb		98
102)	ALLYL CHLORIDE	2.631	76	117041	22.9671747 ppb		92
103)	tert-BUTYL ALCOHOL	2.875	59	26714	25.7755686 ppb		94
104)	chloroprene	3.113	53	353427	23.3856901 ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	135735	4.5869259 ppb		99
106)	PROPIONITRILE	3.901	54	283695	236.0486926 ppb		95
107)	Ethyl Acetate	3.612	43	362985	48.0016946 ppb		99
108)	METHACRYLONITRILE	3.914	67	834549	231.9049997 ppb		99
109)	Cyclohexane	3.554	84	59014	4.5254187 ppb		97
110)	tert-butyl formate	3.811	59	399597	46.9253752 ppb		91
111)	ISOBUTANOL	3.972	43	284603	517.8597422 ppb	#	98
112)	t-Amyl Alcohol	4.036	59	18123	23.6931962 ppb	#	81
113)	TERT-AMYL METHYL ETHER	3.943	73	120115	4.6439086 ppb	#	95
115)	N-BUTANOL	4.370	56	295858	924.5816056 ppb		96
116)	Methyl Cyclohexane	4.235	83	79446	4.8507846 ppb		97
117)	2-nitropropane	5.239	43	66797	23.5740656 ppb		95
118)	METHYL METHACRYLATE	4.631	41	183644	23.1088437 ppb		89
119)	1,4-DIOXANE	4.679	88	32342	495.0898165 ppb		99
120)	n-octane	4.959	85	33489	4.4931412 ppb		93
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	41013	44.6155523 ppb		97
123)	ETHYL METHACRYLATE	5.428	69	255708	22.8887024 ppb		98
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	66955	22.1566685 ppb		98
125)	Cyclohexanone	7.242	55	79490	40.5084691 ppb		96
126)	PENTACHLOROETHANE	7.457	117	121579	23.9649538 ppb		92
127)	Hexachloroethane	8.132	117	31714	4.4772387 ppb		95

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 23.D
Acq On : 11 Jul 2014 11:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 23 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:00 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 23.D
Acq On : 11 Jul 2014 11:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 23 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:07:45 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
41) 8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
53) 8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb	-5.39
84) 8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb	-7.81
96) AP9-PENTAFLUOROBENZENE	3.914	168	490056	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	861462	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	150700	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	377650	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 78 - 121		Recovery = 0.00%#			
46) a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 85 - 114		Recovery = 0.00%#			
50) TOLUENE-D8	0.000	98	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 89 - 111		Recovery = 0.00%#			
68) 4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 71 - 126		Recovery = 0.00%#			

Target Compounds				Qvalue
2) TPH (GC/MS) LOW FRACTION	0.000	0	N.D. d	
3) PROPENE	0.000	0	N.D. d	
4) DICHLORODIFLUOROMETHANE	0.000	0	N.D.	
5) CHLOROMETHANE	0.000	0	N.D. d	
6) VINYL CHLORIDE	0.000	0	N.D.	
7) 1,3-BUTADIENE	0.000	0	N.D. d	
8) BROMOMETHANE	0.000	0	N.D.	
9) CHLOROETHANE	0.000	0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000	0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000	0	N.D.	
12) ETHYL ETHER	0.000	0	N.D.	
13) ACROLEIN	0.000	0	N.D. d	
14) 1,1-DICHLOROETHENE	0.000	0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000	0	N.D.	
16) ACETONE	0.000	0	N.D. d	
17) IODOMETHANE	0.000	0	N.D. d	
18) CARBON DISULFIDE	0.000	0	N.D. d	
19) METHYLENE CHLORIDE	0.000	0	N.D. d	
20) ACRYLONITRILE	0.000	0	N.D. d	
21) n-Hexane	0.000	0	N.D. d	
22) TRANS-1,2-DICHLOROETHENE	0.000	0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000	0	N.D. d	
24) 1,1-DICHLOROETHANE	0.000	0	N.D. d	
25) VINYL ACETATE	0.000	0	N.D. d	
26) DI-ISOPROPYL ETHER	0.000	0	N.D. d	
27) 2,2-Dichloropropane	0.000	0	N.D. d	
28) CIS-1,2-DICHLOROETHENE	0.000	0	N.D.	
29) 2-BUTANONE (MEK)	0.000	0	N.D. d	
30) BROMOCHLOROMETHANE	0.000	0	N.D.	
31) TETRAHYDROFURAN	0.000	0	N.D. d	
32) CHLOROFORM	0.000	0	N.D. d	
34) 1,1,1-TRICHLOROETHANE	0.000	0	N.D.	
35) CARBON TETRACHLORIDE	0.000	0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 23.D
Acq On : 11 Jul 2014 11:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 23 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:07:45 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	d
38) HEPTANE	0.000		0	N.D.	d
39) BENZENE	0.000		0	N.D.	d
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	d
42) TRICHLOROETHENE	0.000		0	N.D.	d
43) 1,2-DICHLOROPROPANE	0.000		0	N.D.	d
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	d
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	d
51) TOLUENE	0.000		0	N.D.	d
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	d
55) TETRACHLOROETHENE	0.000		0	N.D.	d
56) 1,3-Dichloropropane	0.000		0	N.D.	d
57) 2-HEXANONE	0.000		0	N.D.	d
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	d
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	d
62) ETHYLBENZENE	0.000		0	N.D.	d
63) M&P-XYLENE	0.000		0	N.D.	d
64) O-XYLENE	0.000		0	N.D.	d
65) STYRENE	0.000		0	N.D.	d
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	0.000		0	N.D.	d
69) Bromobenzene	0.000		0	N.D.	d
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	d
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	d
73) n-Propylbenzene	0.000		0	N.D.	d
74) 4-ETHYLTOLUENE	0.000		0	N.D.	d
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	d
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d
78) tert-Butylbenzene	0.000		0	N.D.	d
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d
80) sec-Butylbenzene	0.000		0	N.D.	d
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	d
82) p-Isopropyltoluene	0.000		0	N.D.	d
83) DICYCLOPENTADIENE	0.000		0	N.D.	d
85) 1,4-DICHLOROBENZENE	0.000		0	N.D.	d
86) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	d
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	d
88) n-Butylbenzene	0.000		0	N.D.	d
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	0.000		0	N.D.	d
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d
94) 1-Methylnaphthalene	0.000		0	N.D.	d
95) 2-Methylnaphthalene	0.000		0	N.D.	d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 23.D
Acq On : 11 Jul 2014 11:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 23 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:07:45 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

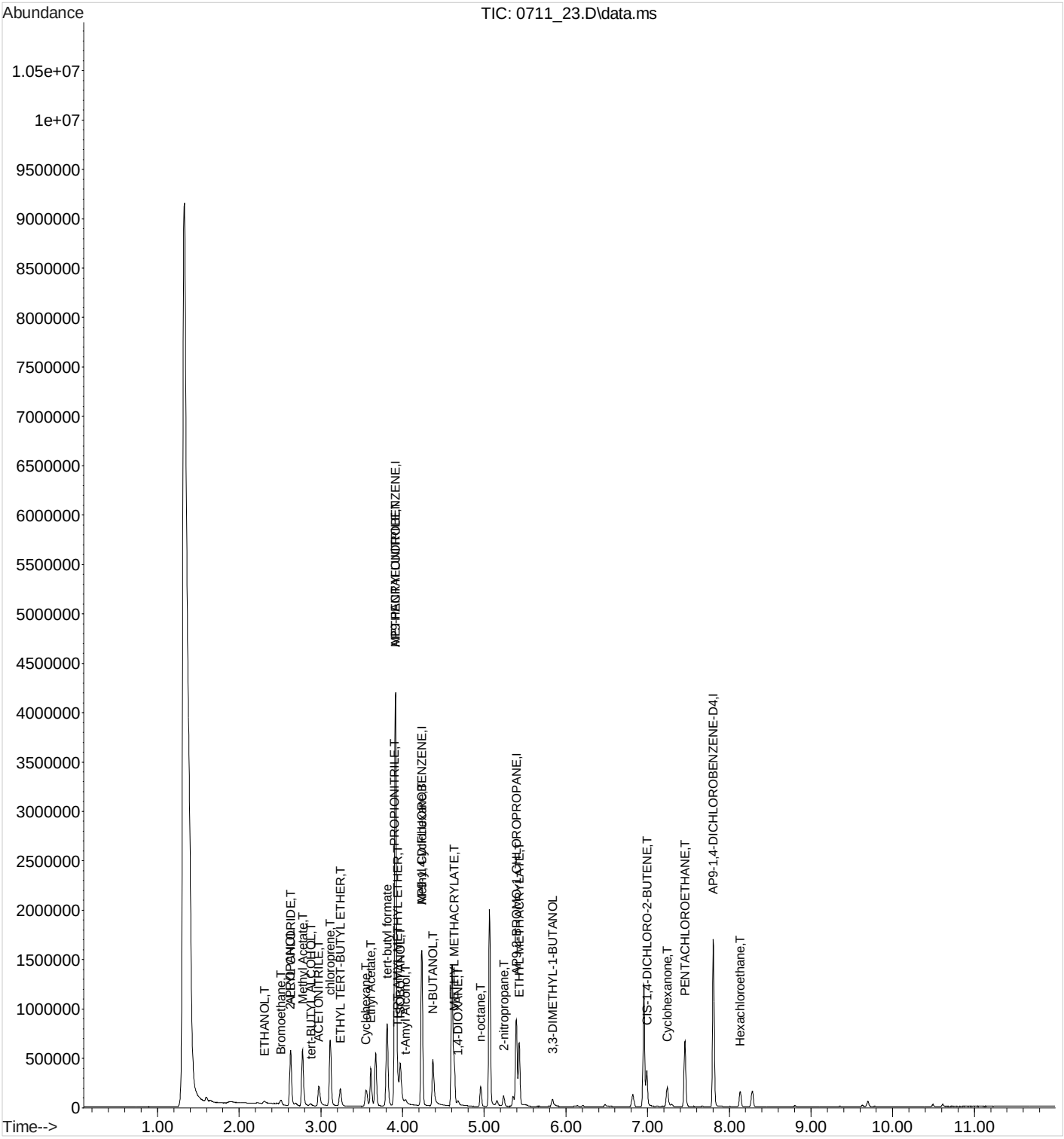
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)	
97)	ETHANOL	2.309	45	42990	465.2116408 ppb	#	94
98)	Bromoethane	2.512	108	35663	4.6281148 ppb		95
99)	2-PROPANOL	2.624	45	12583	22.8845715 ppb		95
100)	Methyl Acetate	2.776	43	637492	94.7060140 ppb	#	97
101)	ACETONITRILE	2.975	41	220419	236.4059211 ppb		98
102)	ALLYL CHLORIDE	2.631	76	117041	22.9671747 ppb		92
103)	tert-BUTYL ALCOHOL	2.875	59	26714	25.7755686 ppb		94
104)	chloroprene	3.113	53	353427	23.3856901 ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	135735	4.5869259 ppb		99
106)	PROPIONITRILE	3.901	54	283695	236.0486926 ppb		95
107)	Ethyl Acetate	3.612	43	362985	48.0016946 ppb		99
108)	METHACRYLONITRILE	3.914	67	834549	231.9049997 ppb		99
109)	Cyclohexane	3.554	84	59014	4.5254187 ppb		97
110)	tert-butyl formate	3.811	59	399597	46.9253752 ppb		91
111)	ISOBUTANOL	3.972	43	284603	517.8597422 ppb	#	98
112)	t-Amyl Alcohol	4.036	59	18123	23.6931962 ppb	#	81
113)	TERT-AMYL METHYL ETHER	3.943	73	120115	4.6439086 ppb	#	95
115)	N-BUTANOL	4.370	56	295858	924.5816056 ppb		96
116)	Methyl Cyclohexane	4.235	83	79446	4.8507846 ppb		97
117)	2-nitropropane	5.239	43	66797	23.5740656 ppb		95
118)	METHYL METHACRYLATE	4.631	41	183644	23.1088437 ppb		89
119)	1,4-DIOXANE	4.679	88	32342	495.0898165 ppb		99
120)	n-octane	4.959	85	33489	4.4931412 ppb		93
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	41013	44.6155523 ppb		97
123)	ETHYL METHACRYLATE	5.428	69	255708	22.8887024 ppb		98
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	66955	22.1566685 ppb		98
125)	Cyclohexanone	7.242	55	79490	40.5084691 ppb		96
126)	PENTACHLOROETHANE	7.457	117	121579	23.9649538 ppb		92
127)	Hexachloroethane	8.132	117	31714	4.4772387 ppb		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 23.D
Acq On : 11 Jul 2014 11:29 pm
Operator : 644
Sample : STD VMS 5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 23 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:07:45 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 24.D
Acq On : 11 Jul 2014 11:49 pm
Operator : 644
Sample : STD VMS 7.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 24 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:05 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	469693	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	815868	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	143778	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	359118	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	469693	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	815868	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	143778	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	359118	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.670	111	255840	38.2791711 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 95.70%		
46) a,a,a-Trifluorotoluene	4.605	146	450258	40.3385380 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 100.85%		
50) TOLUENE-D8	5.065	98	1044726	39.9915022 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 99.98%		
68) 4-BROMOFLUOROBENZENE	6.952	95	372057	39.1276133 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 97.82%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -11238627		No Calib	
3) PROPENE	1.406	41	1862	0.6990585 ppb #	70
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.596	50	4382	0.3348226 ppb #	83
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.650	39	7762	0.6882632 ppb	99
8) BROMOMETHANE	1.875	94	1041	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.547	56	1335	0.8804321 ppb	96
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.708	43	5675	2.4480773 ppb #	87
17) IODOMETHANE	2.441	142	1817	N.D.	
18) CARBON DISULFIDE	2.387	76	4751	N.D.	
19) METHYLENE CHLORIDE	2.689	84	10087	0.9196995 ppb	99
20) ACRYLONITRILE	3.113	53	534418	181.8753745 ppb #	50
21) n-Hexane	2.821	56	979	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	2.827	73	1246	N.D.	
24) 1,1-DICHLOROETHANE	3.113	63	7970	0.4328511 ppb #	56
25) VINYL ACETATE	3.239	43	23269	1.2218347 ppb #	84
26) DI-ISOPROPYL ETHER	3.033	45	705	N.D.	
27) 2,2-Dichloropropane	3.554	77	1765	N.D.	
28) CIS-1,2-DICHLOROETHENE	3.432	96	975	N.D.	
29) 2-BUTANONE (MEK)	3.808	43	96507	25.6848092 ppb #	47
30) BROMOCHLOROMETHANE	3.541	130	595	N.D.	
31) TETRAHYDROFURAN	3.612	42	32401	11.2249304 ppb #	46
32) CHLOROFORM	3.567	83	18571	1.0598683 ppb #	85
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 24.D
Acq On : 11 Jul 2014 11:49 pm
Operator : 644
Sample : STD VMS 7.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 24 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:05 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.766	75	522	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.811	57	498841	11.4219202 ppb #	1
38) HEPTANE	3.808	43	96507	5.1949274 ppb #	25
39) BENZENE	3.904	78	3120	N.D.	
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	4.232	130	5990	0.6791226 ppb #	75
43) 1,2-DICHLOROPROPANE	4.605	62	8522	1.2130540 ppb #	57
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.634	83	1190	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.946	75	560	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	573	N.D.	
51) TOLUENE	5.100	91	7415	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.428	97	1673	N.D.	
55) TETRACHLOROETHENE	5.354	164	32978	5.1199202 ppb	99
56) 1,3-Dichloropropane	5.647	76	1087	N.D.	
57) 2-HEXANONE	5.833	58	2500	0.7766612 ppb #	14
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.107	112	935	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.139	133	3192	0.4085064 ppb #	99
62) ETHYLBENZENE	6.107	106	992	N.D.	
63) M&P-XYLENE	6.210	106	3100	N.D.	
64) O-XYLENE	6.515	106	1682	N.D.	
65) STYRENE	6.554	104	1457	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.734	105	1573	N.D.	
69) Bromobenzene	7.042	77	645	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.242	83	12065	1.2480288 ppb #	26
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.239	53	8244	3.0702606 ppb #	59
73) n-Propylbenzene	7.039	91	2475	N.D.	
74) 4-ETHYLTOLUENE	7.116	105	3857	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.296	91	1600	N.D.	
77) 1,3,5-Trimethylbenzene	7.181	105	1869	N.D.	
78) tert-Butylbenzene	7.457	119	174773	6.2646720 ppb #	32
79) 1,2,4-Trimethylbenzene	7.483	105	3783	N.D.	
80) sec-Butylbenzene	7.567	105	1587	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	1025	N.D.	
82) p-Isopropyltoluene	7.673	119	1240	N.D.	
83) DICYCLOPENTADIENE	7.666	66	931	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	1535	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	2842	N.D.	
87) 1,2-DICHLOROBENZENE	8.152	146	858	N.D.	
88) n-Butylbenzene	8.010	91	1408	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	950	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.624	128	4986	N.D.	
93) 1,2,3-Trichlorobenzene	9.779	180	1082	N.D.	
94) 1-Methylnaphthalene	10.492	142	5633	0.4282198 ppb	94
95) 2-Methylnaphthalene	10.615	142	5921	0.5552543 ppb	96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 24.D
Acq On : 11 Jul 2014 11:49 pm
Operator : 644
Sample : STD VMS 7.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 24 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:05 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

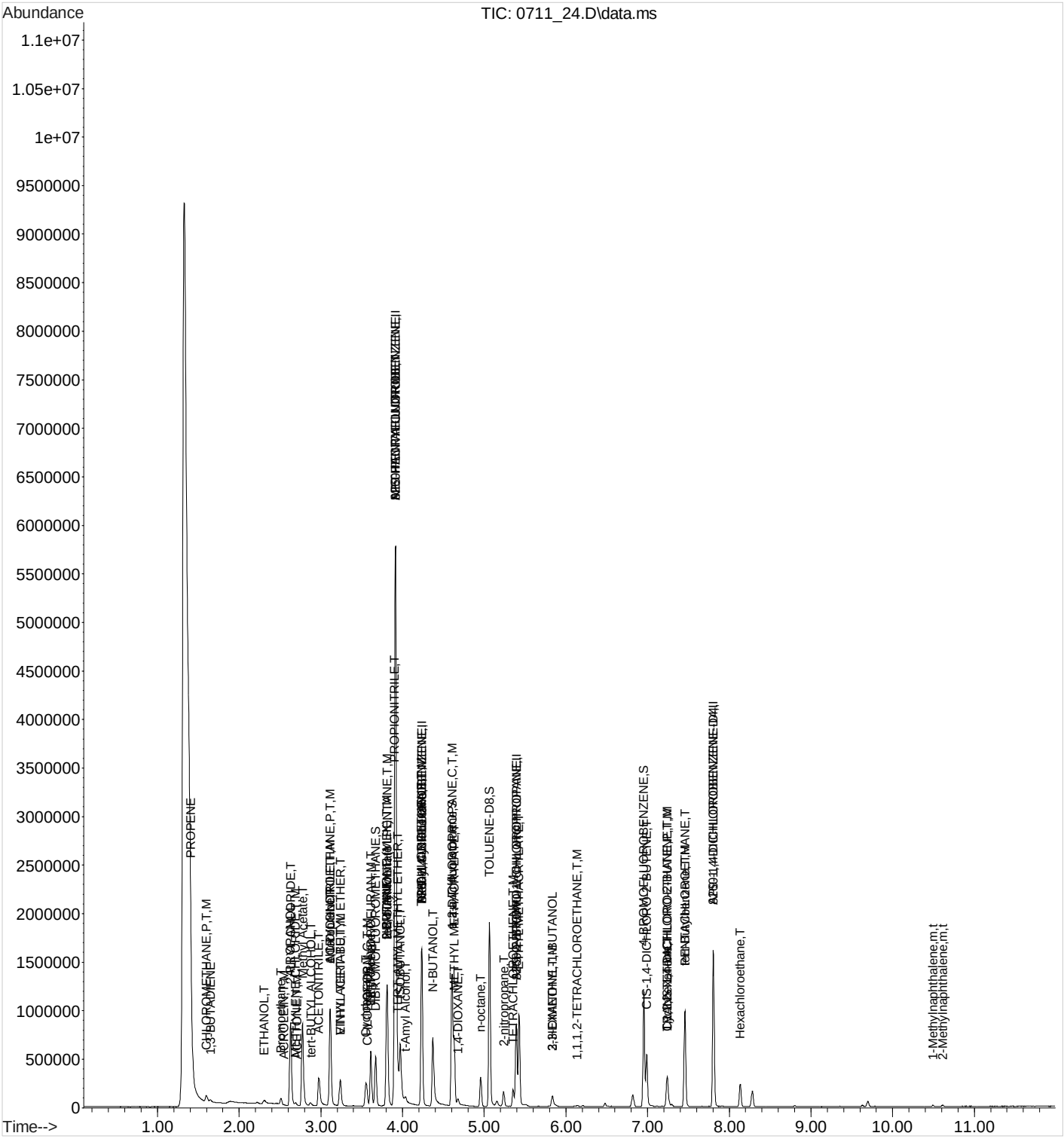
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	ETHANOL	2.306	45	64716	730.6786498	ppb	#	90
98)	Bromoethane	2.512	108	50961	6.9001068	ppb		100
99)	2-PROPANOL	2.625	45	19085	36.2144902	ppb		99
100)	Methyl Acetate	2.776	43	946603	146.7243921	ppb	#	98
101)	ACETONITRILE	2.975	41	336117	376.1243271	ppb		97
102)	ALLYL CHLORIDE	2.628	76	177283	36.2967940	ppb		91
103)	tert-BUTYL ALCOHOL	2.875	59	35423	35.6604070	ppb		96
104)	chloroprene	3.113	53	534418	36.8946306	ppb		100
105)	ETHYL TERT-BUTYL ETHER	3.236	59	206259	7.2723438	ppb		99
106)	PROPIONITRILE	3.901	54	424363	368.3995167	ppb		99
107)	Ethyl Acetate	3.612	43	535618	73.9017423	ppb		98
108)	METHACRYLONITRILE	3.914	67	1259100	365.0481213	ppb		98
109)	Cyclohexane	3.554	84	89122	7.1305045	ppb		98
110)	tert-butyl formate	3.811	59	590884	72.3968030	ppb		93
111)	ISOBUTANOL	3.972	43	420266	797.8634245	ppb	#	96
112)	t-Amyl Alcohol	4.036	59	31183	42.5346711	ppb		98
113)	TERT-AMYL METHYL ETHER	3.943	73	180419	7.2778033	ppb	#	69
115)	N-BUTANOL	4.371	56	427360	1410.1718079	ppb		99
116)	Methyl Cyclohexane	4.235	83	113008	7.2856008	ppb		97
117)	2-nitropropane	5.239	43	98190	36.5898826	ppb		94
118)	METHYL METHACRYLATE	4.631	41	277206	36.8315778	ppb		96
119)	1,4-DIOXANE	4.679	88	51142	826.6297932	ppb		91
120)	n-octane	4.956	85	50982	7.2223908	ppb		94
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	60616	69.6254853	ppb		94
123)	ETHYL METHACRYLATE	5.425	69	386577	36.2688414	ppb		99
124)	CIS-1,4-DICHLORO-2-BUTENE	6.988	53	100112	34.7238920	ppb		94
125)	Cyclohexanone	7.242	55	130007	69.4417864	ppb		97
126)	PENTACHLOROETHANE	7.457	117	180803	37.3546332	ppb		91
127)	Hexachloroethane	8.132	117	48289	7.1454281	ppb		98

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 24.D
Acq On : 11 Jul 2014 11:49 pm
Operator : 644
Sample : STD VMS 7.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 24 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:05 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 24.D
Acq On : 11 Jul 2014 11:49 pm
Operator : 644
Sample : STD VMS 7.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 24 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:07 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
41) 8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
53) 8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb	-5.39
84) 8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb	-7.81
96) AP9-PENTAFLUOROBENZENE	3.914	168	469693	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	815868	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	143778	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	359118	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 78 - 121		Recovery = 0.00%#			
46) a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 85 - 114		Recovery = 0.00%#			
50) TOLUENE-D8	0.000	98	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 89 - 111		Recovery = 0.00%#			
68) 4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 71 - 126		Recovery = 0.00%#			

Target Compounds				Qvalue
2) TPH (GC/MS) LOW FRACTION	0.000	0	N.D. d	
3) PROPENE	0.000	0	N.D. d	
4) DICHLORODIFLUOROMETHANE	0.000	0	N.D.	
5) CHLOROMETHANE	0.000	0	N.D. d	
6) VINYL CHLORIDE	0.000	0	N.D.	
7) 1,3-BUTADIENE	0.000	0	N.D. d	
8) BROMOMETHANE	0.000	0	N.D. d	
9) CHLOROETHANE	0.000	0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000	0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000	0	N.D.	
12) ETHYL ETHER	0.000	0	N.D.	
13) ACROLEIN	0.000	0	N.D. d	
14) 1,1-DICHLOROETHENE	0.000	0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000	0	N.D.	
16) ACETONE	0.000	0	N.D. d	
17) IODOMETHANE	0.000	0	N.D. d	
18) CARBON DISULFIDE	0.000	0	N.D. d	
19) METHYLENE CHLORIDE	0.000	0	N.D. d	
20) ACRYLONITRILE	0.000	0	N.D. d	
21) n-Hexane	0.000	0	N.D. d	
22) TRANS-1,2-DICHLOROETHENE	0.000	0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000	0	N.D. d	
24) 1,1-DICHLOROETHANE	0.000	0	N.D. d	
25) VINYL ACETATE	0.000	0	N.D. d	
26) DI-ISOPROPYL ETHER	0.000	0	N.D. d	
27) 2,2-Dichloropropane	0.000	0	N.D. d	
28) CIS-1,2-DICHLOROETHENE	0.000	0	N.D. d	
29) 2-BUTANONE (MEK)	0.000	0	N.D. d	
30) BROMOCHLOROMETHANE	0.000	0	N.D. d	
31) TETRAHYDROFURAN	0.000	0	N.D. d	
32) CHLOROFORM	0.000	0	N.D. d	
34) 1,1,1-TRICHLOROETHANE	0.000	0	N.D.	
35) CARBON TETRACHLORIDE	0.000	0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 24.D
Acq On : 11 Jul 2014 11:49 pm
Operator : 644
Sample : STD VMS 7.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 24 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:07 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	d
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	d
38) HEPTANE	0.000		0	N.D.	d
39) BENZENE	0.000		0	N.D.	d
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	d
43) 1,2-DICHLOROPROPANE	0.000		0	N.D.	d
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	d
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	d
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	d
51) TOLUENE	0.000		0	N.D.	d
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	d
55) TETRACHLOROETHENE	0.000		0	N.D.	d
56) 1,3-Dichloropropane	0.000		0	N.D.	d
57) 2-HEXANONE	0.000		0	N.D.	d
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	d
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	d
62) ETHYLBENZENE	0.000		0	N.D.	d
63) M&P-XYLENE	0.000		0	N.D.	d
64) O-XYLENE	0.000		0	N.D.	d
65) STYRENE	0.000		0	N.D.	d
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	0.000		0	N.D.	d
69) Bromobenzene	0.000		0	N.D.	d
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	d
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	d
73) n-Propylbenzene	0.000		0	N.D.	d
74) 4-ETHYLTOLUENE	0.000		0	N.D.	d
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	d
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d
78) tert-Butylbenzene	0.000		0	N.D.	d
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d
80) sec-Butylbenzene	0.000		0	N.D.	d
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	d
82) p-Isopropyltoluene	0.000		0	N.D.	d
83) DICYCLOPENTADIENE	0.000		0	N.D.	d
85) 1,4-DICHLOROBENZENE	0.000		0	N.D.	d
86) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	d
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	d
88) n-Butylbenzene	0.000		0	N.D.	d
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	0.000		0	N.D.	d
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d
94) 1-Methylnaphthalene	0.000		0	N.D.	d
95) 2-Methylnaphthalene	0.000		0	N.D.	d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 24.D
Acq On : 11 Jul 2014 11:49 pm
Operator : 644
Sample : STD VMS 7.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 24 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:07 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

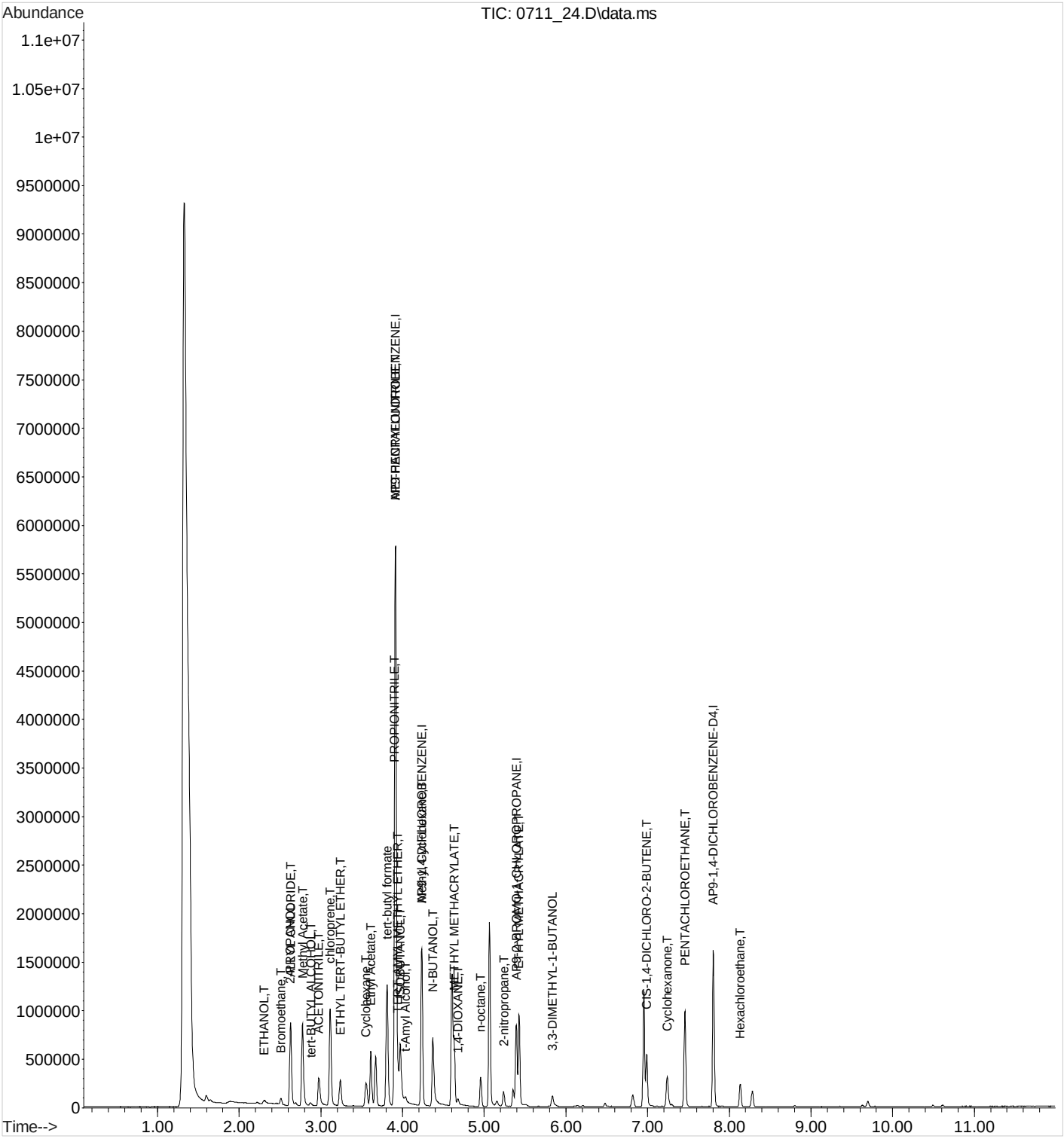
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.306	45	64716	730.6786498 ppb	#	90
98)	Bromoethane	2.512	108	50961	6.9001068 ppb		100
99)	2-PROPANOL	2.625	45	19085	36.2144902 ppb		99
100)	Methyl Acetate	2.776	43	946603	146.7243921 ppb	#	98
101)	ACETONITRILE	2.975	41	336117	376.1243271 ppb		97
102)	ALLYL CHLORIDE	2.628	76	177283	36.2967940 ppb		91
103)	tert-BUTYL ALCOHOL	2.875	59	35423	35.6604070 ppb		96
104)	chloroprene	3.113	53	534418	36.8946306 ppb		100
105)	ETHYL TERT-BUTYL ETHER	3.236	59	206259	7.2723438 ppb		99
106)	PROPIONITRILE	3.901	54	424363	368.3995167 ppb		99
107)	Ethyl Acetate	3.612	43	535618	73.9017423 ppb		98
108)	METHACRYLONITRILE	3.914	67	1259100	365.0481213 ppb		98
109)	Cyclohexane	3.554	84	89122	7.1305045 ppb		98
110)	tert-butyl formate	3.811	59	590884	72.3968030 ppb		93
111)	ISOBUTANOL	3.972	43	420266	797.8634245 ppb	#	96
112)	t-Amyl Alcohol	4.036	59	31183	42.5346711 ppb		98
113)	TERT-AMYL METHYL ETHER	3.943	73	180419	7.2778033 ppb	#	69
115)	N-BUTANOL	4.371	56	427360	1410.1718079 ppb		99
116)	Methyl Cyclohexane	4.235	83	113008	7.2856008 ppb		97
117)	2-nitropropane	5.239	43	98190	36.5898826 ppb		94
118)	METHYL METHACRYLATE	4.631	41	277206	36.8315778 ppb		96
119)	1,4-DIOXANE	4.679	88	51142	826.6297932 ppb		91
120)	n-octane	4.956	85	50982	7.2223908 ppb		94
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	60616	69.6254853 ppb		94
123)	ETHYL METHACRYLATE	5.425	69	386577	36.2688414 ppb		99
124)	CIS-1,4-DICHLORO-2-BUTENE	6.988	53	100112	34.7238920 ppb		94
125)	Cyclohexanone	7.242	55	130007	69.4417864 ppb		97
126)	PENTACHLOROETHANE	7.457	117	180803	37.3546332 ppb		91
127)	Hexachloroethane	8.132	117	48289	7.1454281 ppb		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 24.D
Acq On : 11 Jul 2014 11:49 pm
Operator : 644
Sample : STD VMS 7.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 24 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:07 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 25.D
Acq On : 12 Jul 2014 12:09 am
Operator : 644
Sample : MSTD VMS 10 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 25 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:31 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:08:15 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.911	168	470193	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	808970	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	141735	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	363382	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.911	168	470193	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	808970	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	141735	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	363382	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.670	111	253928	37.9526932 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 94.88%		
46) a,a,a-Trifluorotoluene	4.605	146	452286	40.8657378 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.16%		
50) TOLUENE-D8	5.065	98	1021121	39.4212150 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 98.55%		
68) 4-BROMOFLUOROBENZENE	6.952	95	374534	39.9558576 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 99.89%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	-11324971	No Calib	
3) PROPENE	1.400	41	1443	0.5411755 ppb #	7
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.596	50	4886	0.3729356 ppb #	78
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.647	39	8097	0.7172045 ppb	93
8) BROMOMETHANE	1.866	94	605	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	2.078	67	684	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.547	56	1685	1.1100753 ppb #	14
14) 1,1-DICHLOROETHENE	2.355	61	580	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.708	43	5282	2.2761222 ppb	97
17) IODOMETHANE	2.448	142	1996	N.D.	
18) CARBON DISULFIDE	2.383	76	4911	N.D.	
19) METHYLENE CHLORIDE	2.689	84	10173	0.9265543 ppb	99
20) ACRYLONITRILE	3.113	53	725020	246.4794627 ppb #	50
21) n-Hexane	2.818	56	1398	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	2.840	73	1537	N.D.	
24) 1,1-DICHLOROETHANE	3.113	63	11278	0.6118574 ppb #	42
25) VINYL ACETATE	3.236	43	30578	1.6039165 ppb #	75
26) DI-ISOPROPYL ETHER	3.036	45	1245	N.D.	
27) 2,2-Dichloropropane	3.551	77	1378	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.808	43	131675	35.0073135 ppb #	47
30) BROMOCHLOROMETHANE	3.541	130	706	N.D.	
31) TETRAHYDROFURAN	3.663	42	1920	0.6644532 ppb #	75
32) CHLOROFORM	3.567	83	21359	1.2176864 ppb #	82
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 25.D
Acq On : 12 Jul 2014 12:09 am
Operator : 644
Sample : MSTD VMS 10 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 25 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:31 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:08:15 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.834	75	580	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.811	57	681662	15.5913598 ppb #	1
38) HEPTANE	3.808	43	131675	7.0804674 ppb #	25
39) BENZENE	3.904	78	3721	N.D.	
40) 1,2-DICHLOROETHANE	4.007	62	753	N.D.	
42) TRICHLOROETHENE	4.232	130	8115	0.9278919 ppb #	80
43) 1,2-DICHLOROPROPANE	4.605	62	8206	1.1780334 ppb #	39
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.631	83	1230	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.319	58	928	N.D.	
51) TOLUENE	5.100	91	9282	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	5.393	110	518	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.428	97	2234	0.3272383 ppb #	1
55) TETRACHLOROETHENE	5.354	164	51169	8.0586286 ppb	98
56) 1,3-Dichloropropane	5.644	76	1152	N.D.	
57) 2-HEXANONE	5.833	58	3643	1.1480639 ppb #	1
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.107	112	1078	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	4317	0.5604454 ppb #	96
62) ETHYLBENZENE	6.107	106	1343	N.D.	
63) M&P-XYLENE	6.206	106	4241	N.D.	
64) O-XYLENE	6.515	106	1952	N.D.	
65) STYRENE	6.550	104	1808	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.734	105	2139	N.D.	
69) Bromobenzene	6.988	77	52521	2.9868886 ppb #	27
70) 1,1,2,2-TETRACHLOROETHANE	6.988	83	1112	N.D.	
71) 1,2,3-TRICHLOROPROPANE	7.203	110	632	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.235	53	12931	4.8852265 ppb #	55
73) n-Propylbenzene	7.039	91	3117	N.D.	
74) 4-ETHYLTOLUENE	7.113	105	5235	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.296	91	1609	N.D.	
77) 1,3,5-Trimethylbenzene	7.181	105	2505	N.D.	
78) tert-Butylbenzene	7.457	119	229501	8.3449533 ppb #	32
79) 1,2,4-Trimethylbenzene	7.483	105	5505	N.D.	
80) sec-Butylbenzene	7.563	105	1765	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	983	N.D.	
82) p-Isopropyltoluene	7.673	119	2181	N.D.	
83) DICYCLOPENTADIENE	7.673	66	1480	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	1639	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	4125	N.D.	
87) 1,2-DICHLOROBENZENE	8.155	146	967	N.D.	
88) n-Butylbenzene	8.007	91	1427	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	936	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.624	128	4623	N.D.	
93) 1,2,3-Trichlorobenzene	9.782	180	1024	N.D.	
94) 1-Methylnaphthalene	10.492	142	5157	0.3874341 ppb	95
95) 2-Methylnaphthalene	10.615	142	4601	0.4264056 ppb	95

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 25.D
Acq On : 12 Jul 2014 12:09 am
Operator : 644
Sample : MSTD VMS 10 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 25 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:31 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:08:15 2014
Response via : Initial Calibration

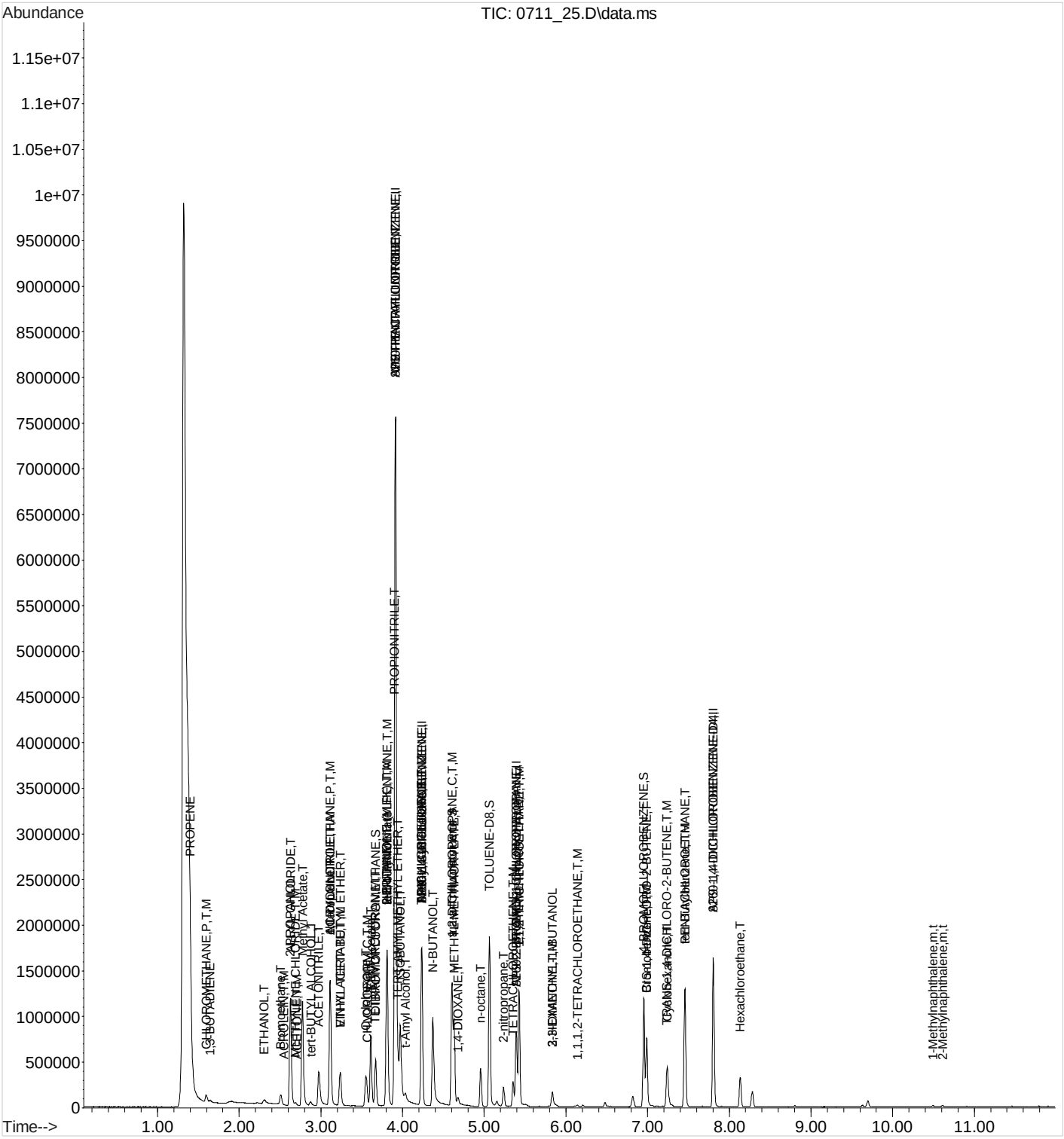
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.306	45	88664	1067.8235506 ppb	#	88
98)	Bromoethane	2.509	108	73934	10.0160751 ppb		97
99)	2-PROPANOL	2.625	45	26378	49.0434381 ppb	#	90
100)	Methyl Acetate	2.776	43	1291688	200.7359640 ppb	#	97
101)	ACETONITRILE	2.975	41	447292	493.8170506 ppb		99
102)	ALLYL CHLORIDE	2.628	76	244473	50.3003408 ppb		91
103)	tert-BUTYL ALCOHOL	2.875	59	49720	48.0156775 ppb	#	95
104)	chloroprene	3.113	53	725020	49.5149699 ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	283923	10.0571039 ppb		99
106)	PROPIONITRILE	3.901	54	576568	504.3966455 ppb		97
107)	Ethyl Acetate	3.612	43	725542	100.7986528 ppb		98
108)	METHACRYLONITRILE	3.914	67	1726403	510.4349630 ppb		97
109)	Cyclohexane	3.554	84	125120	10.0801116 ppb		96
110)	tert-butyl formate	3.811	59	817043	102.7720184 ppb		92
111)	ISOBUTANOL	3.972	43	527300	950.4614227 ppb	#	86
112)	t-Amyl Alcohol	4.036	59	36695	48.6257276 ppb		89
113)	TERT-AMYL METHYL ETHER	3.943	73	248167	9.9717338 ppb	#	72
115)	N-BUTANOL	4.370	56	600986	2119.3855978 ppb		95
116)	Methyl Cyclohexane	4.235	83	153800	8.8639759 ppb		98
117)	2-nitropropane	5.235	43	133042	50.9940229 ppb		95
118)	METHYL METHACRYLATE	4.631	41	373134	51.5132990 ppb		98
119)	1,4-DIOXANE	4.679	88	61345	861.2131850 ppb		94
120)	n-octane	4.956	85	69992	9.9041054 ppb		91
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	86324	102.6108986 ppb		95
123)	ETHYL METHACRYLATE	5.425	69	525360	51.6625138 ppb		97
124)	CIS-1,4-DICHLORO-2-BUTENE	6.988	53	142106	51.4171612 ppb		96
125)	Cyclohexanone	7.242	55	184557	101.0784501 ppb		96
126)	PENTACHLOROETHANE	7.457	117	238570	51.9024068 ppb		92
127)	Hexachloroethane	8.132	117	66620	10.3026424 ppb		97

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 25.D
Acq On : 12 Jul 2014 12:09 am
Operator : 644
Sample : MSTD VMS 10 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 25 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:31 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:08:15 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 25.D
Acq On : 12 Jul 2014 12:09 am
Operator : 644
Sample : MSTD VMS 10 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 25 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:46 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:08:15 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
41) 8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
53) 8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb	-5.39
84) 8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb	-7.81
96) AP9-PENTAFLUOROBENZENE	3.911	168	470193	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	808970	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	141735	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	363382	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 78 - 121		Recovery = 0.00%#			
46) a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 85 - 114		Recovery = 0.00%#			
50) TOLUENE-D8	0.000	98	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 89 - 111		Recovery = 0.00%#			
68) 4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 71 - 126		Recovery = 0.00%#			

Target Compounds				Qvalue
2) TPH (GC/MS) LOW FRACTION	0.000	0	N.D. d	
3) PROPENE	0.000	0	N.D. d	
4) DICHLORODIFLUOROMETHANE	0.000	0	N.D.	
5) CHLOROMETHANE	0.000	0	N.D. d	
6) VINYL CHLORIDE	0.000	0	N.D.	
7) 1,3-BUTADIENE	0.000	0	N.D. d	
8) BROMOMETHANE	0.000	0	N.D. d	
9) CHLOROETHANE	0.000	0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000	0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000	0	N.D. d	
12) ETHYL ETHER	0.000	0	N.D.	
13) ACROLEIN	0.000	0	N.D. d	
14) 1,1-DICHLOROETHENE	0.000	0	N.D. d	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000	0	N.D.	
16) ACETONE	0.000	0	N.D. d	
17) IODOMETHANE	0.000	0	N.D. d	
18) CARBON DISULFIDE	0.000	0	N.D. d	
19) METHYLENE CHLORIDE	0.000	0	N.D. d	
20) ACRYLONITRILE	0.000	0	N.D. d	
21) n-Hexane	0.000	0	N.D. d	
22) TRANS-1,2-DICHLOROETHENE	0.000	0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000	0	N.D. d	
24) 1,1-DICHLOROETHANE	0.000	0	N.D. d	
25) VINYL ACETATE	0.000	0	N.D. d	
26) DI-ISOPROPYL ETHER	0.000	0	N.D. d	
27) 2,2-Dichloropropane	0.000	0	N.D. d	
28) CIS-1,2-DICHLOROETHENE	0.000	0	N.D.	
29) 2-BUTANONE (MEK)	0.000	0	N.D. d	
30) BROMOCHLOROMETHANE	0.000	0	N.D. d	
31) TETRAHYDROFURAN	0.000	0	N.D. d	
32) CHLOROFORM	0.000	0	N.D. d	
34) 1,1,1-TRICHLOROETHANE	0.000	0	N.D.	
35) CARBON TETRACHLORIDE	0.000	0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 25.D
Acq On : 12 Jul 2014 12:09 am
Operator : 644
Sample : MSTD VMS 10 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 25 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:46 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:08:15 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	d
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	d
38) HEPTANE	0.000		0	N.D.	d
39) BENZENE	0.000		0	N.D.	d
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	d
42) TRICHLOROETHENE	0.000		0	N.D.	d
43) 1,2-DICHLOROPROPANE	0.000		0	N.D.	d
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	d
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	d
51) TOLUENE	0.000		0	N.D.	d
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	d
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	d
55) TETRACHLOROETHENE	0.000		0	N.D.	d
56) 1,3-Dichloropropane	0.000		0	N.D.	d
57) 2-HEXANONE	0.000		0	N.D.	d
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	d
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	d
62) ETHYLBENZENE	0.000		0	N.D.	d
63) M&P-XYLENE	0.000		0	N.D.	d
64) O-XYLENE	0.000		0	N.D.	d
65) STYRENE	0.000		0	N.D.	d
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	0.000		0	N.D.	d
69) Bromobenzene	0.000		0	N.D.	d
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	d
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	d
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	d
73) n-Propylbenzene	0.000		0	N.D.	d
74) 4-ETHYLTOLUENE	0.000		0	N.D.	d
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	d
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d
78) tert-Butylbenzene	0.000		0	N.D.	d
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d
80) sec-Butylbenzene	0.000		0	N.D.	d
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	d
82) p-Isopropyltoluene	0.000		0	N.D.	d
83) DICYCLOPENTADIENE	0.000		0	N.D.	d
85) 1,4-DICHLOROBENZENE	0.000		0	N.D.	d
86) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	d
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	d
88) n-Butylbenzene	0.000		0	N.D.	d
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	0.000		0	N.D.	d
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d
94) 1-Methylnaphthalene	0.000		0	N.D.	d
95) 2-Methylnaphthalene	0.000		0	N.D.	d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 25.D
Acq On : 12 Jul 2014 12:09 am
Operator : 644
Sample : MSTD VMS 10 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 25 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:46 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:08:15 2014
Response via : Initial Calibration

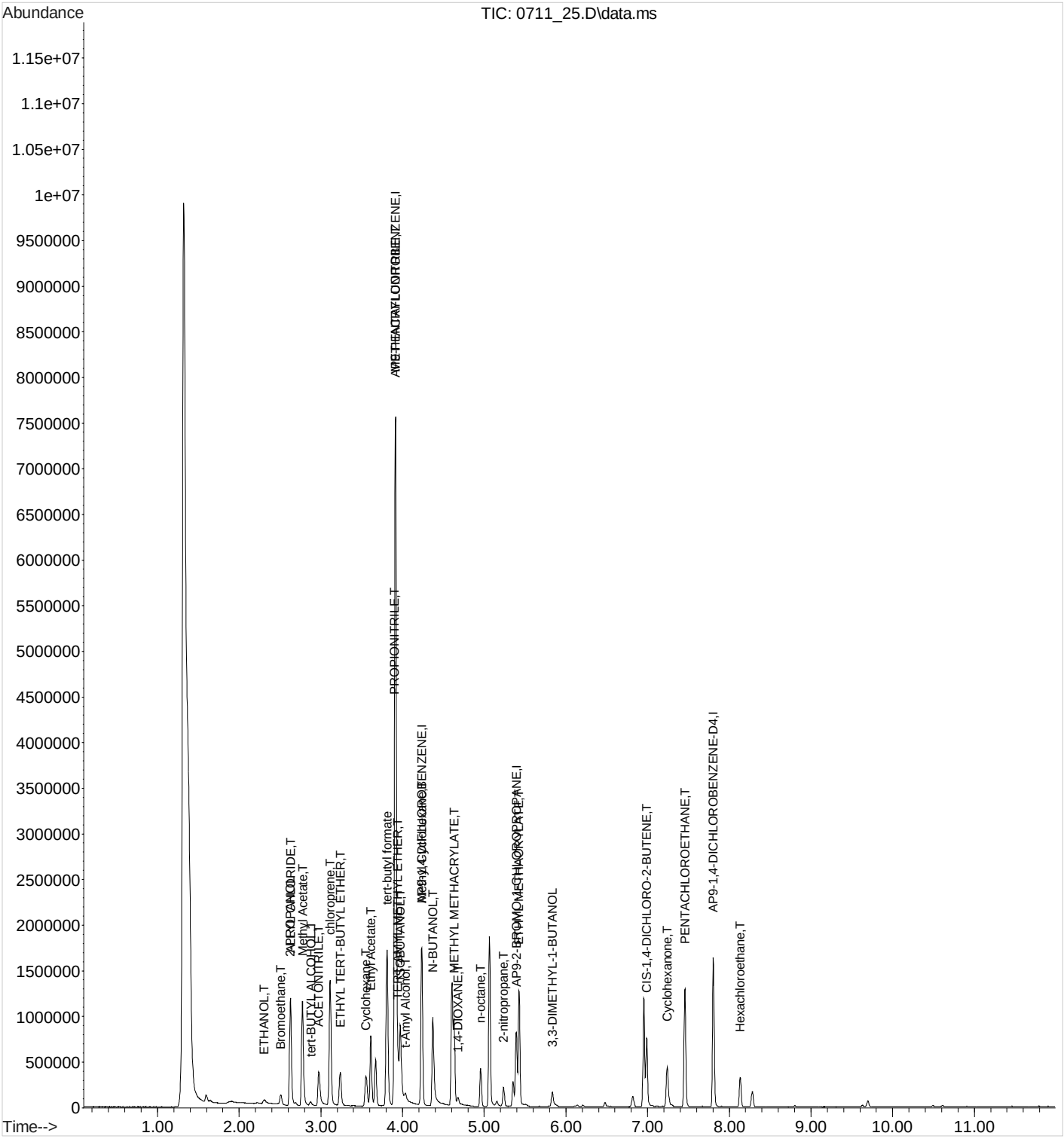
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)	
97)	ETHANOL	2.306	45	88664	1067.8235506 ppb	#	88
98)	Bromoethane	2.509	108	73934	10.0160751 ppb		97
99)	2-PROPANOL	2.625	45	26378	49.0434381 ppb	#	90
100)	Methyl Acetate	2.776	43	1291688	200.7359640 ppb	#	97
101)	ACETONITRILE	2.975	41	447292	493.8170506 ppb		99
102)	ALLYL CHLORIDE	2.628	76	244473	50.3003408 ppb		91
103)	tert-BUTYL ALCOHOL	2.875	59	49720	48.0156775 ppb	#	95
104)	chloroprene	3.113	53	725020	49.5149699 ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	283923	10.0571039 ppb		99
106)	PROPIONITRILE	3.901	54	576568	504.3966455 ppb		97
107)	Ethyl Acetate	3.612	43	725542	100.7986528 ppb		98
108)	METHACRYLONITRILE	3.914	67	1726403	510.4349630 ppb		97
109)	Cyclohexane	3.554	84	125120	10.0801116 ppb		96
110)	tert-butyl formate	3.811	59	817043	102.7720184 ppb		92
111)	ISOBUTANOL	3.972	43	527300	950.4614227 ppb	#	86
112)	t-Amyl Alcohol	4.036	59	36695	48.6257276 ppb		89
113)	TERT-AMYL METHYL ETHER	3.943	73	248167	9.9717338 ppb	#	72
115)	N-BUTANOL	4.370	56	600986	2119.3855978 ppb		95
116)	Methyl Cyclohexane	4.235	83	153800	8.8639759 ppb		98
117)	2-nitropropane	5.235	43	133042	50.9940229 ppb		95
118)	METHYL METHACRYLATE	4.631	41	373134	51.5132990 ppb		98
119)	1,4-DIOXANE	4.679	88	61345	861.2131850 ppb		94
120)	n-octane	4.956	85	69992	9.9041054 ppb		91
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	86324	102.6108986 ppb		95
123)	ETHYL METHACRYLATE	5.425	69	525360	51.6625138 ppb		97
124)	CIS-1,4-DICHLORO-2-BUTENE	6.988	53	142106	51.4171612 ppb		96
125)	Cyclohexanone	7.242	55	184557	101.0784501 ppb		96
126)	PENTACHLOROETHANE	7.457	117	238570	51.9024068 ppb		92
127)	Hexachloroethane	8.132	117	66620	10.3026424 ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 25.D
Acq On : 12 Jul 2014 12:09 am
Operator : 644
Sample : MSTD VMS 10 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 25 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:08:46 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:08:15 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 26.D
Acq On : 12 Jul 2014 12:29 am
Operator : 644
Sample : STD VMS 12.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 26 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:15 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.911	168	465868	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	812116	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	140939	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	360492	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.911	168	465868	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	812116	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	140939	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	360492	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	251979	38.0110297 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 95.03%		
46) a,a,a-Trifluorotoluene	4.605	146	443839	39.9471693 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 99.87%		
50) TOLUENE-D8	5.065	98	1028182	39.5400436 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 98.85%		
68) 4-BROMOFLUOROBENZENE	6.952	95	373060	40.0233849 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 100.06%		

Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	-10965704	No Calib		
3) PROPENE	1.399	41	1023	0.3872226 ppb	#	1
4) DICHLORODIFLUOROMETHANE	1.460	85	861	N.D.		
5) CHLOROMETHANE	1.599	50	6229	0.4798571 ppb	#	77
6) VINYL CHLORIDE	0.000		0	N.D.		
7) 1,3-BUTADIENE	1.647	39	10547	0.9428901 ppb		86
8) BROMOMETHANE	0.000		0	N.D.		
9) CHLOROETHANE	0.000		0	N.D.		
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
11) DICHLOROFLUOROMETHANE	2.087	67	800	N.D.		
12) ETHYL ETHER	2.223	59	671	N.D.		
13) ACROLEIN	2.544	56	1336	0.8883258 ppb		100
14) 1,1-DICHLOROETHENE	0.000		0	N.D.		
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
16) ACETONE	2.711	43	5481	2.3838025 ppb	#	64
17) IODOMETHANE	2.444	142	2453	N.D.		
18) CARBON DISULFIDE	2.383	76	4440	N.D.		
19) METHYLENE CHLORIDE	2.689	84	9899	0.9099687 ppb		90
20) ACRYLONITRILE	3.113	53	893637	306.6233135 ppb	#	50
21) n-Hexane	2.821	56	1532	N.D.		
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.		
23) METHYL TERT-BUTYL ETHER	2.833	73	1892	N.D.		
24) 1,1-DICHLOROETHANE	3.113	63	13587	0.7439693 ppb	#	54
25) VINYL ACETATE	3.239	43	40527	2.1455094 ppb	#	81
26) DI-ISOPROPYL ETHER	3.042	45	1195	N.D.		
27) 2,2-Dichloropropane	3.483	77	1004	N.D.		
28) CIS-1,2-DICHLOROETHENE	3.425	96	1079	N.D.		
29) 2-BUTANONE (MEK)	3.811	43	165706	44.4638403 ppb	#	47
30) BROMOCHLOROMETHANE	0.000		0	N.D.		
31) TETRAHYDROFURAN	3.612	42	52614	18.3771335 ppb	#	45
32) CHLOROFORM	3.567	83	22571	1.2987293 ppb	#	77
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.		
35) CARBON TETRACHLORIDE	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 26.D
Acq On : 12 Jul 2014 12:29 am
Operator : 644
Sample : STD VMS 12.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 26 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:15 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.811	57	841352	19.4225353 ppb #	1
38) HEPTANE	3.811	43	165706	8.9931143 ppb #	26
39) BENZENE	3.904	78	3831	N.D.	
40) 1,2-DICHLOROETHANE	4.013	62	574	N.D.	
42) TRICHLOROETHENE	4.232	130	9635	1.0974252 ppb #	79
43) 1,2-DICHLOROPROPANE	4.605	62	8243	1.1787609 ppb #	40
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.573	83	661	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	4.894	63	748	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.952	75	806	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	913	N.D.	
51) TOLUENE	5.100	91	11260	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	5.393	110	502	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.428	97	2670	0.3933129 ppb #	1
55) TETRACHLOROETHENE	5.354	164	72096	11.4185591 ppb	99
56) 1,3-Dichloropropane	5.647	76	1234	N.D.	
57) 2-HEXANONE	5.833	58	4448	1.4096705 ppb #	19
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.107	112	1179	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.139	133	4990	0.6514750 ppb #	92
62) ETHYLBENZENE	6.110	106	1397	N.D.	
63) M&P-XYLENE	6.206	106	5242	0.3351026 ppb	92
64) O-XYLENE	6.515	106	2369	N.D.	
65) STYRENE	6.554	104	1644	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.734	105	1994	N.D.	
69) Bromobenzene	6.991	77	60157	3.4404728 ppb #	27
70) 1,1,2,2-TETRACHLOROETHANE	7.090	83	689	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.235	53	13984	5.3128790 ppb #	61
73) n-Propylbenzene	7.042	91	3034	N.D.	
74) 4-ETHYLTOLUENE	7.116	105	5559	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.296	91	1648	N.D.	
77) 1,3,5-Trimethylbenzene	7.181	105	2744	N.D.	
78) tert-Butylbenzene	7.457	119	285914	10.4549190 ppb #	32
79) 1,2,4-Trimethylbenzene	7.483	105	5933	N.D.	
80) sec-Butylbenzene	7.566	105	1977	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	1144	N.D.	
82) p-Isopropyltoluene	7.672	119	2077	N.D.	
83) DICYCLOPENTADIENE	7.666	66	1830	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	1626	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	3720	N.D.	
87) 1,2-DICHLOROBENZENE	8.155	146	1027	N.D.	
88) n-Butylbenzene	8.007	91	1672	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.351	180	1000	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.624	128	4332	N.D.	
93) 1,2,3-Trichlorobenzene	9.782	180	939	N.D.	
94) 1-Methylnaphthalene	10.492	142	3897	N.D.	
95) 2-Methylnaphthalene	10.614	142	3520	0.3288373 ppb	95

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 26.D
Acq On : 12 Jul 2014 12:29 am
Operator : 644
Sample : STD VMS 12.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 26 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:15 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

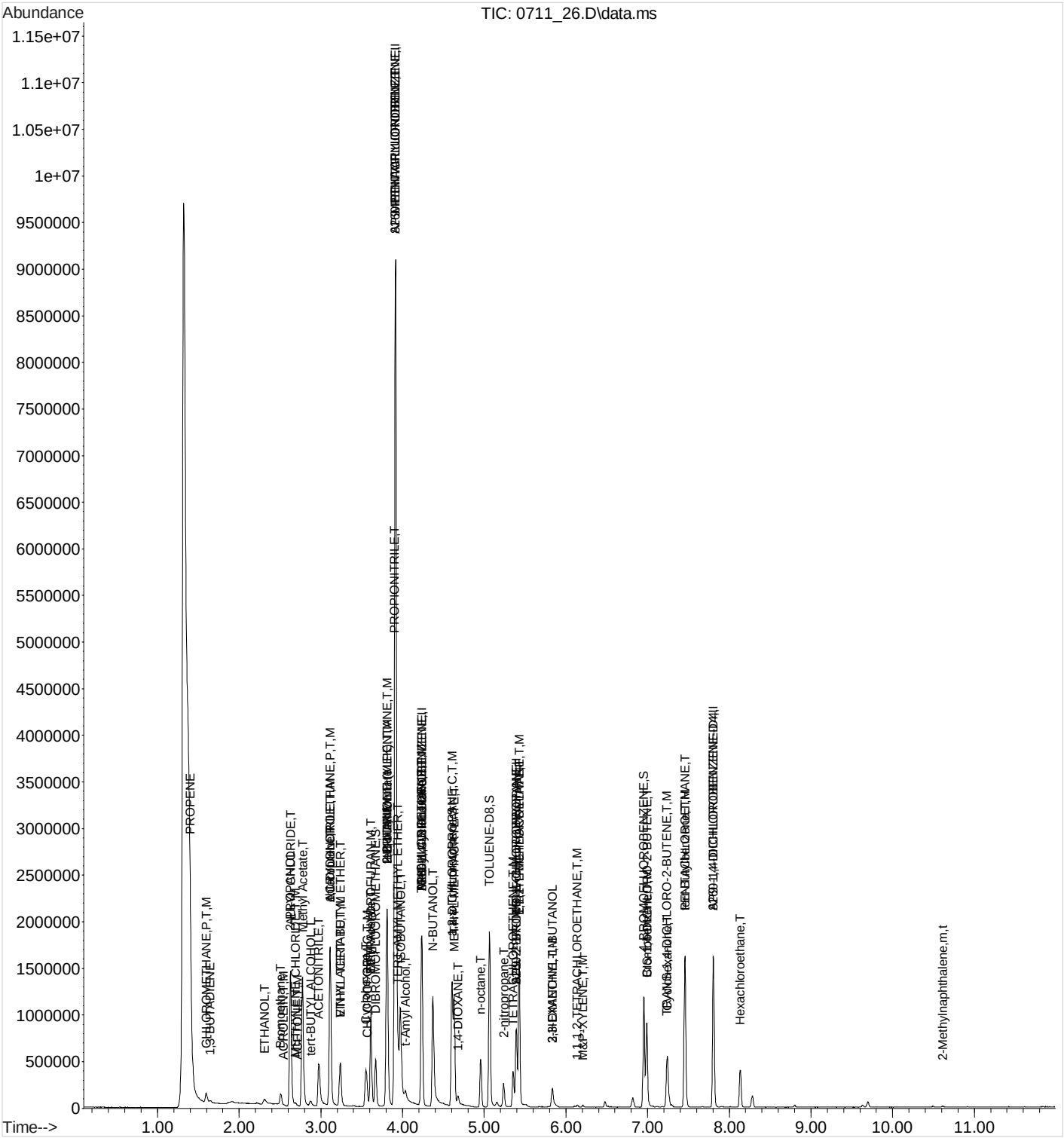
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	ETHANOL	2.309	45	100035	1138.7225874	ppb	#	96
98)	Bromoethane	2.509	108	86381	11.7919955	ppb		98
99)	2-PROPANOL	2.624	45	30616	58.5719750	ppb		94
100)	Methyl Acetate	2.776	43	1561879	244.0804726	ppb	#	97
101)	ACETONITRILE	2.975	41	571846	645.1656555	ppb		98
102)	ALLYL CHLORIDE	2.628	76	301020	62.1366354	ppb		92
103)	tert-BUTYL ALCOHOL	2.875	59	60267	61.1690502	ppb		99
104)	chloroprene	3.113	53	893637	62.2005806	ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	357345	12.7028279	ppb		98
106)	PROPIONITRILE	3.901	54	700632	613.2290461	ppb		99
107)	Ethyl Acetate	3.612	43	883120	122.8486651	ppb		99
108)	METHACRYLONITRILE	3.914	67	2121591	620.1585931	ppb		96
109)	Cyclohexane	3.554	84	149432	12.0539713	ppb		99
110)	tert-butyl formate	3.811	59	1010797	124.8625816	ppb		92
111)	ISOBUTANOL	3.975	43	649116	1242.4468572	ppb	#	88
112)	t-Amyl Alcohol	4.036	59	52815	72.6329487	ppb		100
113)	TERT-AMYL METHYL ETHER	3.943	73	311519	12.6693341	ppb	#	96
115)	N-BUTANOL	4.370	56	735464	2438.0432718	ppb		94
116)	Methyl Cyclohexane	4.235	83	184228	11.9320112	ppb		98
117)	2-nitropropane	5.238	43	160117	59.9422490	ppb		95
118)	METHYL METHACRYLATE	4.631	41	457939	61.1261667	ppb		98
119)	1,4-DIOXANE	4.679	88	84999	1380.2221575	ppb		93
120)	n-octane	4.956	85	85166	12.1208254	ppb		93
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	106588	122.9960337	ppb		96
123)	ETHYL METHACRYLATE	5.428	69	665660	63.7105544	ppb		95
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	173770	61.4862933	ppb		97
125)	Cyclohexanone	7.242	55	230198	125.4344836	ppb		96
126)	PENTACHLOROETHANE	7.457	117	295956	62.3773966	ppb		92
127)	Hexachloroethane	8.132	117	84250	12.7177769	ppb		97

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 26.D
Acq On : 12 Jul 2014 12:29 am
Operator : 644
Sample : STD VMS 12.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 26 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:15 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 26.D
Acq On : 12 Jul 2014 12:29 am
Operator : 644
Sample : STD VMS 12.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 26 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:09:13 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
41) 8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
53) 8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb	-5.39
84) 8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb	-7.81
96) AP9-PENTAFLUOROBENZENE	3.911	168	465868	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	812116	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	140939	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	360492	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 78 - 121		Recovery = 0.00%#			
46) a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 85 - 114		Recovery = 0.00%#			
50) TOLUENE-D8	0.000	98	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 89 - 111		Recovery = 0.00%#			
68) 4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 71 - 126		Recovery = 0.00%#			

Target Compounds				Qvalue
2) TPH (GC/MS) LOW FRACTION	0.000	0	N.D. d	
3) PROPENE	0.000	0	N.D. d	
4) DICHLORODIFLUOROMETHANE	0.000	0	N.D. d	
5) CHLOROMETHANE	0.000	0	N.D. d	
6) VINYL CHLORIDE	0.000	0	N.D.	
7) 1,3-BUTADIENE	0.000	0	N.D. d	
8) BROMOMETHANE	0.000	0	N.D.	
9) CHLOROETHANE	0.000	0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000	0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000	0	N.D. d	
12) ETHYL ETHER	0.000	0	N.D. d	
13) ACROLEIN	0.000	0	N.D. d	
14) 1,1-DICHLOROETHENE	0.000	0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000	0	N.D.	
16) ACETONE	0.000	0	N.D. d	
17) IODOMETHANE	0.000	0	N.D. d	
18) CARBON DISULFIDE	0.000	0	N.D. d	
19) METHYLENE CHLORIDE	0.000	0	N.D. d	
20) ACRYLONITRILE	0.000	0	N.D. d	
21) n-Hexane	0.000	0	N.D. d	
22) TRANS-1,2-DICHLOROETHENE	0.000	0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000	0	N.D. d	
24) 1,1-DICHLOROETHANE	0.000	0	N.D. d	
25) VINYL ACETATE	0.000	0	N.D. d	
26) DI-ISOPROPYL ETHER	0.000	0	N.D. d	
27) 2,2-Dichloropropane	0.000	0	N.D. d	
28) CIS-1,2-DICHLOROETHENE	0.000	0	N.D. d	
29) 2-BUTANONE (MEK)	0.000	0	N.D. d	
30) BROMOCHLOROMETHANE	0.000	0	N.D.	
31) TETRAHYDROFURAN	0.000	0	N.D. d	
32) CHLOROFORM	0.000	0	N.D. d	
34) 1,1,1-TRICHLOROETHANE	0.000	0	N.D.	
35) CARBON TETRACHLORIDE	0.000	0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 26.D
Acq On : 12 Jul 2014 12:29 am
Operator : 644
Sample : STD VMS 12.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 26 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:09:13 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	d
38) HEPTANE	0.000		0	N.D.	d
39) BENZENE	0.000		0	N.D.	d
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	d
42) TRICHLOROETHENE	0.000		0	N.D.	d
43) 1,2-DICHLOROPROPANE	0.000		0	N.D.	d
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	d
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	d
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	d
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	d
51) TOLUENE	0.000		0	N.D.	d
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	d
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	d
55) TETRACHLOROETHENE	0.000		0	N.D.	d
56) 1,3-Dichloropropane	0.000		0	N.D.	d
57) 2-HEXANONE	0.000		0	N.D.	d
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	d
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	d
62) ETHYLBENZENE	0.000		0	N.D.	d
63) M&P-XYLENE	0.000		0	N.D.	d
64) O-XYLENE	0.000		0	N.D.	d
65) STYRENE	0.000		0	N.D.	d
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	0.000		0	N.D.	d
69) Bromobenzene	0.000		0	N.D.	d
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	d
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	d
73) n-Propylbenzene	0.000		0	N.D.	d
74) 4-ETHYLTOLUENE	0.000		0	N.D.	d
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	d
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d
78) tert-Butylbenzene	0.000		0	N.D.	d
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d
80) sec-Butylbenzene	0.000		0	N.D.	d
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	d
82) p-Isopropyltoluene	0.000		0	N.D.	d
83) DICYCLOPENTADIENE	0.000		0	N.D.	d
85) 1,4-DICHLOROBENZENE	0.000		0	N.D.	d
86) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	d
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	d
88) n-Butylbenzene	0.000		0	N.D.	d
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	0.000		0	N.D.	d
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d
94) 1-Methylnaphthalene	0.000		0	N.D.	d
95) 2-Methylnaphthalene	0.000		0	N.D.	d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 26.D
Acq On : 12 Jul 2014 12:29 am
Operator : 644
Sample : STD VMS 12.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 26 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:09:13 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.309	45	100035	1138.7225874 ppb	#	96
98)	Bromoethane	2.509	108	86381	11.7919955 ppb		98
99)	2-PROPANOL	2.624	45	30616	58.5719750 ppb		94
100)	Methyl Acetate	2.776	43	1561879	244.0804726 ppb	#	97
101)	ACETONITRILE	2.975	41	571846	645.1656555 ppb		98
102)	ALLYL CHLORIDE	2.628	76	301020	62.1366354 ppb		92
103)	tert-BUTYL ALCOHOL	2.875	59	60267	61.1690502 ppb		99
104)	chloroprene	3.113	53	893637	62.2005806 ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	357345	12.7028279 ppb		98
106)	PROPIONITRILE	3.901	54	700632	613.2290461 ppb		99
107)	Ethyl Acetate	3.612	43	883120	122.8486651 ppb		99
108)	METHACRYLONITRILE	3.914	67	2121591	620.1585931 ppb		96
109)	Cyclohexane	3.554	84	149432	12.0539713 ppb		99
110)	tert-butyl formate	3.811	59	1010797	124.8625816 ppb		92
111)	ISOBUTANOL	3.975	43	649116	1242.4468572 ppb	#	88
112)	t-Amyl Alcohol	4.036	59	52815	72.6329487 ppb		100
113)	TERT-AMYL METHYL ETHER	3.943	73	311519	12.6693341 ppb	#	96
115)	N-BUTANOL	4.370	56	735464	2438.0432718 ppb		94
116)	Methyl Cyclohexane	4.235	83	184228	11.9320112 ppb		98
117)	2-nitropropane	5.238	43	160117	59.9422490 ppb		95
118)	METHYL METHACRYLATE	4.631	41	457939	61.1261667 ppb		98
119)	1,4-DIOXANE	4.679	88	84999	1380.2221575 ppb		93
120)	n-octane	4.956	85	85166	12.1208254 ppb		93
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	106588	122.9960337 ppb		96
123)	ETHYL METHACRYLATE	5.428	69	665660	63.7105544 ppb		95
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	173770	61.4862933 ppb		97
125)	Cyclohexanone	7.242	55	230198	125.4344836 ppb		96
126)	PENTACHLOROETHANE	7.457	117	295956	62.3773966 ppb		92
127)	Hexachloroethane	8.132	117	84250	12.7177769 ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 26.D
Acq On : 12 Jul 2014 12:29 am
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Sample : STD VMS 12.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 26 Sample Multiplier: 1
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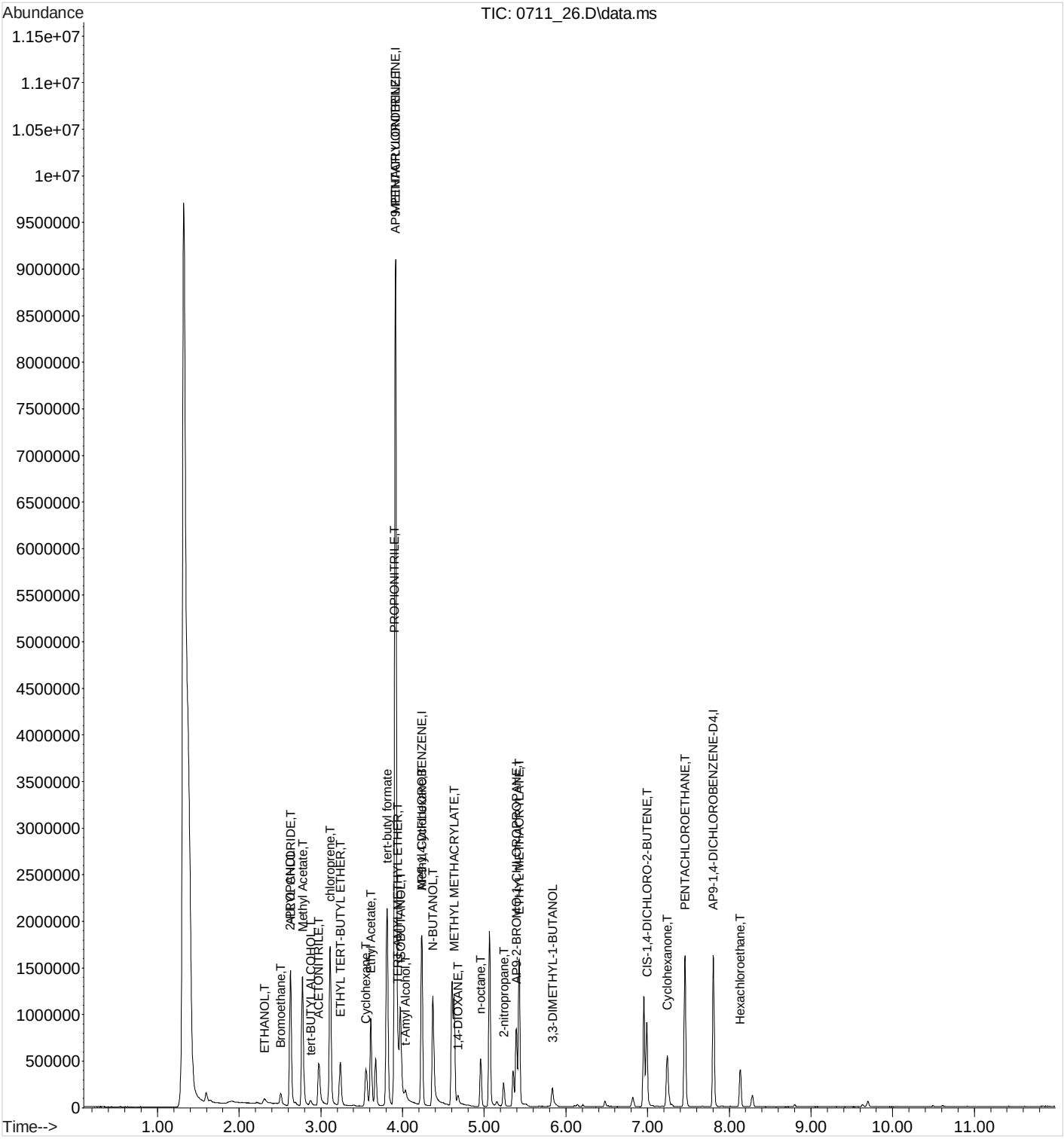
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 27.D
Acq On : 12 Jul 2014 12:50 am
Operator : 644
Sample : STD VMS 15 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 27 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:20 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.910	168	496702	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	845638	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	149742	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	379860	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.910	168	496702	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	845638	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	149742	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	379860	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	265032	37.4982130 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 93.75%		
46) a,a,a-Trifluorotoluene	4.605	146	465609	40.2453299 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 100.61%		
50) TOLUENE-D8	5.065	98	1075598	39.7237930 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 99.31%		
68) 4-BROMOFLUOROBENZENE	6.955	95	393894	39.7742548 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 99.44%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	-10558078	No Calib	
3) PROPENE	1.399	41	1443	0.5122929 ppb #	1
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.595	50	6834	0.4937824 ppb #	78
6) VINYL CHLORIDE	1.640	62	528	N.D.	
7) 1,3-BUTADIENE	1.647	39	11006	0.9228447 ppb	85
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	2.222	59	724	N.D.	
13) ACROLEIN	2.547	56	889	0.5544145 ppb #	1
14) 1,1-DICHLOROETHENE	2.354	61	683	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.711	43	5768	2.3528958 ppb #	73
17) IODOMETHANE	2.444	142	3011	N.D.	
18) CARBON DISULFIDE	2.383	76	4784	N.D.	
19) METHYLENE CHLORIDE	2.689	84	10464	0.9021938 ppb	94
20) ACRYLONITRILE	3.113	53	1070066	344.3670318 ppb #	50
21) n-Hexane	2.821	56	1718	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	2.837	73	2196	N.D.	
24) 1,1-DICHLOROETHANE	3.113	63	16449	0.8447689 ppb #	54
25) VINYL ACETATE	3.239	43	43684	2.1690788 ppb #	81
26) DI-ISOPROPYL ETHER	3.039	45	1637	N.D.	
27) 2,2-Dichloropropane	3.550	77	2394	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.811	43	200437	50.4444743 ppb #	47
30) BROMOCHLOROMETHANE	3.541	130	603	N.D.	
31) TETRAHYDROFURAN	3.611	42	70901	23.2271423 ppb #	46
32) CHLOROFORM	3.566	83	23781	1.2834085 ppb #	70
34) 1,1,1-TRICHLOROETHANE	3.698	97	501	N.D.	
35) CARBON TETRACHLORIDE	3.666	117	677	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 27.D
Acq On : 12 Jul 2014 12:50 am
Operator : 644
Sample : STD VMS 15 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 27 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:20 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.769	75	509	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.811	57	1041429	22.5488722 ppb #	1
38) HEPTANE	3.811	43	200437	10.2027382 ppb #	26
39) BENZENE	3.901	78	4772	N.D.	
40) 1,2-DICHLOROETHANE	4.013	62	1107	N.D.	
42) TRICHLOROETHENE	4.232	130	11294	1.2353914 ppb #	77
43) 1,2-DICHLOROPROPANE	4.605	62	8679	1.1919106 ppb #	57
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.570	83	532	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	4.894	63	868	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.946	75	932	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	951	N.D.	
51) TOLUENE	5.097	91	13475	0.3370876 ppb	91
52) TRANS-1,3-DICHLOROPROPENE	5.361	110	561	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.425	97	2851	0.3952862 ppb #	1
55) TETRACHLOROETHENE	5.354	164	73458	10.9503194 ppb	99
56) 1,3-Dichloropropane	5.647	76	1409	N.D.	
57) 2-HEXANONE	5.833	58	7929	2.3651506 ppb #	1
58) CHLORODIBROMOMETHANE	5.457	129	600	N.D.	
59) 1,2-DIBROMOETHANE	5.756	107	544	N.D.	
60) CHLOROBENZENE	6.107	112	1241	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.139	133	6482	0.7965147 ppb #	95
62) ETHYLBENZENE	6.107	106	1683	N.D.	
63) M&P-XYLENE	6.206	106	6388	0.3843556 ppb	82
64) O-XYLENE	6.515	106	2437	N.D.	
65) STYRENE	6.553	104	1783	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.737	105	1925	N.D.	
69) Bromobenzene	6.991	77	81199	4.3708932 ppb #	27
70) 1,1,2,2-TETRACHLOROETHANE	7.090	83	764	N.D.	
71) 1,2,3-TRICHLOROPROPANE	7.200	110	703	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.235	53	18220	6.5153004 ppb #	58
73) n-Propylbenzene	7.039	91	3175	N.D.	
74) 4-ETHYLTOLUENE	7.116	105	6974	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.296	91	1656	N.D.	
77) 1,3,5-Trimethylbenzene	7.180	105	3063	N.D.	
78) tert-Butylbenzene	7.457	119	356452	12.2680027 ppb #	32
79) 1,2,4-Trimethylbenzene	7.483	105	6986	N.D.	
80) sec-Butylbenzene	7.566	105	2473	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	1247	N.D.	
82) p-Isopropyltoluene	7.672	119	2426	N.D.	
83) DICYCLOPENTADIENE	7.666	66	1711	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	1534	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	4435	N.D.	
87) 1,2-DICHLOROBENZENE	8.155	146	1105	N.D.	
88) n-Butylbenzene	8.007	91	2287	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	1017	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	4322	N.D.	
93) 1,2,3-Trichlorobenzene	9.778	180	999	N.D.	
94) 1-Methylnaphthalene	10.495	142	3806	N.D.	
95) 2-Methylnaphthalene	10.614	142	3278	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 27.D
Acq On : 12 Jul 2014 12:50 am
Operator : 644
Sample : STD VMS 15 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 27 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:20 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

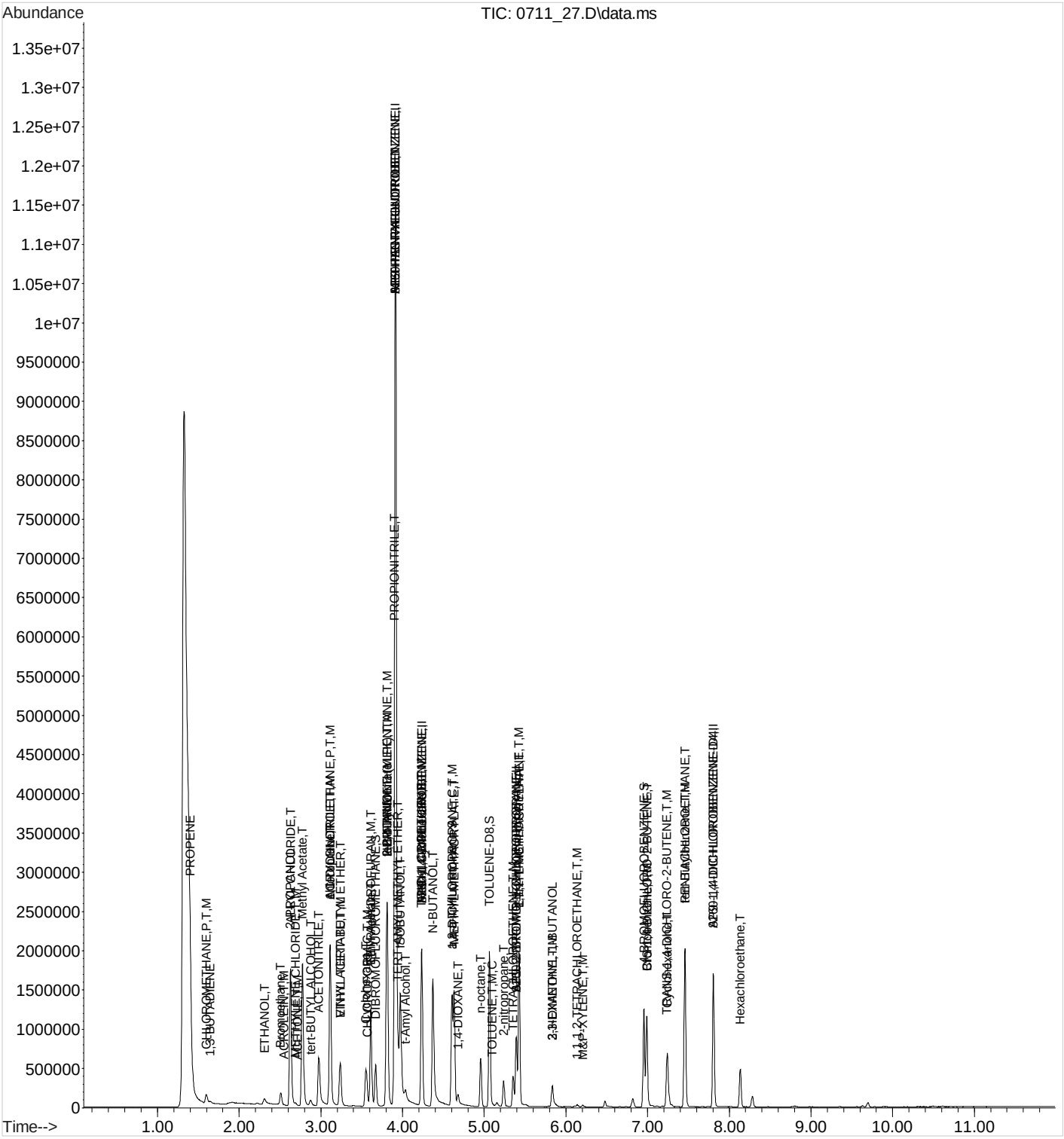
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.309	45	135348	1445.0563177 ppb	#	93
98)	Bromoethane	2.509	108	106686	13.6597729 ppb		100
99)	2-PROPANOL	2.624	45	39803	71.4207156 ppb		92
100)	Methyl Acetate	2.772	43	2018765	295.8955187 ppb	#	97
101)	ACETONITRILE	2.975	41	743553	786.8121440 ppb		99
102)	ALLYL CHLORIDE	2.628	76	361738	70.0347344 ppb		90
103)	tert-BUTYL ALCOHOL	2.875	59	79286	75.4771761 ppb	#	95
104)	chloroprene	3.113	53	1070066	69.8571451 ppb		98
105)	ETHYL TERT-BUTYL ETHER	3.235	59	425088	14.1728934 ppb		99
106)	PROPIONITRILE	3.901	54	949341	779.3310100 ppb		97
107)	Ethyl Acetate	3.611	43	1148399	149.8340430 ppb		99
108)	METHACRYLONITRILE	3.914	67	2707315	742.2442850 ppb		96
109)	Cyclohexane	3.554	84	179603	13.5883618 ppb		99
110)	tert-butyl formate	3.811	59	1250971	144.9381051 ppb		91
111)	ISOBUTANOL	3.972	43	855912	1536.5673279 ppb	#	96
112)	t-Amyl Alcohol	4.036	59	69592	89.7641000 ppb		94
113)	TERT-AMYL METHYL ETHER	3.943	73	373209	14.2360114 ppb	#	72
115)	N-BUTANOL	4.370	56	976704	3109.3995605 ppb		97
116)	Methyl Cyclohexane	4.235	83	223423	13.8969492 ppb		98
117)	2-nitropropane	5.238	43	210506	75.6821819 ppb		94
118)	METHYL METHACRYLATE	4.631	41	587692	75.3360569 ppb		97
119)	1,4-DIOXANE	4.679	88	126235	1968.5594714 ppb	#	82
120)	n-octane	4.955	85	104193	14.2409206 ppb		93
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	138281	153.2423776 ppb		94
123)	ETHYL METHACRYLATE	5.428	69	829521	74.7263663 ppb		97
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	224792	74.8638089 ppb		97
125)	Cyclohexanone	7.242	55	285216	146.2772683 ppb		97
126)	PENTACHLOROETHANE	7.457	117	366853	72.7745833 ppb		92
127)	Hexachloroethane	8.132	117	101278	14.3894425 ppb		98

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 27.D
Acq On : 12 Jul 2014 12:50 am
Operator : 644
Sample : STD VMS 15 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 27 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:20 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 27.D
Acq On : 12 Jul 2014 12:50 am
Operator : 644
Sample : STD VMS 15 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 27 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:09:47 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
41) 8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
53) 8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb	-5.39
84) 8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb	-7.81
96) AP9-PENTAFLUOROBENZENE	3.910	168	496702	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	845638	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	149742	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	379860	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 78 - 121		Recovery = 0.00%#			
46) a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 85 - 114		Recovery = 0.00%#			
50) TOLUENE-D8	0.000	98	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 89 - 111		Recovery = 0.00%#			
68) 4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 71 - 126		Recovery = 0.00%#			

Target Compounds				Qvalue
2) TPH (GC/MS) LOW FRACTION	0.000	0	N.D. d	
3) PROPENE	0.000	0	N.D. d	
4) DICHLORODIFLUOROMETHANE	0.000	0	N.D.	
5) CHLOROMETHANE	0.000	0	N.D. d	
6) VINYL CHLORIDE	0.000	0	N.D. d	
7) 1,3-BUTADIENE	0.000	0	N.D. d	
8) BROMOMETHANE	0.000	0	N.D.	
9) CHLOROETHANE	0.000	0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000	0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000	0	N.D.	
12) ETHYL ETHER	0.000	0	N.D. d	
13) ACROLEIN	0.000	0	N.D. d	
14) 1,1-DICHLOROETHENE	0.000	0	N.D. d	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000	0	N.D.	
16) ACETONE	0.000	0	N.D. d	
17) IODOMETHANE	0.000	0	N.D. d	
18) CARBON DISULFIDE	0.000	0	N.D. d	
19) METHYLENE CHLORIDE	0.000	0	N.D. d	
20) ACRYLONITRILE	0.000	0	N.D. d	
21) n-Hexane	0.000	0	N.D. d	
22) TRANS-1,2-DICHLOROETHENE	0.000	0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000	0	N.D. d	
24) 1,1-DICHLOROETHANE	0.000	0	N.D. d	
25) VINYL ACETATE	0.000	0	N.D. d	
26) DI-ISOPROPYL ETHER	0.000	0	N.D. d	
27) 2,2-Dichloropropane	0.000	0	N.D. d	
28) CIS-1,2-DICHLOROETHENE	0.000	0	N.D.	
29) 2-BUTANONE (MEK)	0.000	0	N.D. d	
30) BROMOCHLOROMETHANE	0.000	0	N.D. d	
31) TETRAHYDROFURAN	0.000	0	N.D. d	
32) CHLOROFORM	0.000	0	N.D. d	
34) 1,1,1-TRICHLOROETHANE	0.000	0	N.D. d	
35) CARBON TETRACHLORIDE	0.000	0	N.D. d	

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Misc : water IS/SURR14F17495
ALS Vial : 27 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:09:47 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	d
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	d
38) HEPTANE	0.000		0	N.D.	d
39) BENZENE	0.000		0	N.D.	d
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	d
42) TRICHLOROETHENE	0.000		0	N.D.	d
43) 1,2-DICHLOROPROPANE	0.000		0	N.D.	d
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	d
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	d
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	d
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	d
51) TOLUENE	0.000		0	N.D.	d
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	d
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	d
55) TETRACHLOROETHENE	0.000		0	N.D.	d
56) 1,3-Dichloropropane	0.000		0	N.D.	d
57) 2-HEXANONE	0.000		0	N.D.	d
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	d
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	d
60) CHLOROBENZENE	0.000		0	N.D.	d
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	d
62) ETHYLBENZENE	0.000		0	N.D.	d
63) M&P-XYLENE	0.000		0	N.D.	d
64) O-XYLENE	0.000		0	N.D.	d
65) STYRENE	0.000		0	N.D.	d
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	0.000		0	N.D.	d
69) Bromobenzene	0.000		0	N.D.	d
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	d
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	d
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	d
73) n-Propylbenzene	0.000		0	N.D.	d
74) 4-ETHYLTOLUENE	0.000		0	N.D.	d
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	d
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d
78) tert-Butylbenzene	0.000		0	N.D.	d
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d
80) sec-Butylbenzene	0.000		0	N.D.	d
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	d
82) p-Isopropyltoluene	0.000		0	N.D.	d
83) DICYCLOPENTADIENE	0.000		0	N.D.	d
85) 1,4-DICHLOROBENZENE	0.000		0	N.D.	d
86) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	d
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	d
88) n-Butylbenzene	0.000		0	N.D.	d
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	0.000		0	N.D.	d
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d
94) 1-Methylnaphthalene	0.000		0	N.D.	d
95) 2-Methylnaphthalene	0.000		0	N.D.	d

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Misc : water IS/SURR14F17495
ALS Vial : 27 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:09:47 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.309	45	135348	1445.0563177 ppb	#	93
98)	Bromoethane	2.509	108	106686	13.6597729 ppb		100
99)	2-PROPANOL	2.624	45	39803	71.4207156 ppb		92
100)	Methyl Acetate	2.772	43	2018765	295.8955187 ppb	#	97
101)	ACETONITRILE	2.975	41	743553	786.8121440 ppb		99
102)	ALLYL CHLORIDE	2.628	76	361738	70.0347344 ppb		90
103)	tert-BUTYL ALCOHOL	2.875	59	79286	75.4771761 ppb	#	95
104)	chloroprene	3.113	53	1070066	69.8571451 ppb		98
105)	ETHYL TERT-BUTYL ETHER	3.235	59	425088	14.1728934 ppb		99
106)	PROPIONITRILE	3.901	54	949341	779.3310100 ppb		97
107)	Ethyl Acetate	3.611	43	1148399	149.8340430 ppb		99
108)	METHACRYLONITRILE	3.914	67	2707315	742.2442850 ppb		96
109)	Cyclohexane	3.554	84	179603	13.5883618 ppb		99
110)	tert-butyl formate	3.811	59	1250971	144.9381051 ppb		91
111)	ISOBUTANOL	3.972	43	855912	1536.5673279 ppb	#	96
112)	t-Amyl Alcohol	4.036	59	69592	89.7641000 ppb		94
113)	TERT-AMYL METHYL ETHER	3.943	73	373209	14.2360114 ppb	#	72
115)	N-BUTANOL	4.370	56	976704	3109.3995605 ppb		97
116)	Methyl Cyclohexane	4.235	83	223423	13.8969492 ppb		98
117)	2-nitropropane	5.238	43	210506	75.6821819 ppb		94
118)	METHYL METHACRYLATE	4.631	41	587692	75.3360569 ppb		97
119)	1,4-DIOXANE	4.679	88	126235	1968.5594714 ppb	#	82
120)	n-octane	4.955	85	104193	14.2409206 ppb		93
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	138281	153.2423776 ppb		94
123)	ETHYL METHACRYLATE	5.428	69	829521	74.7263663 ppb		97
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	224792	74.8638089 ppb		97
125)	Cyclohexanone	7.242	55	285216	146.2772683 ppb		97
126)	PENTACHLOROETHANE	7.457	117	366853	72.7745833 ppb		92
127)	Hexachloroethane	8.132	117	101278	14.3894425 ppb		98

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

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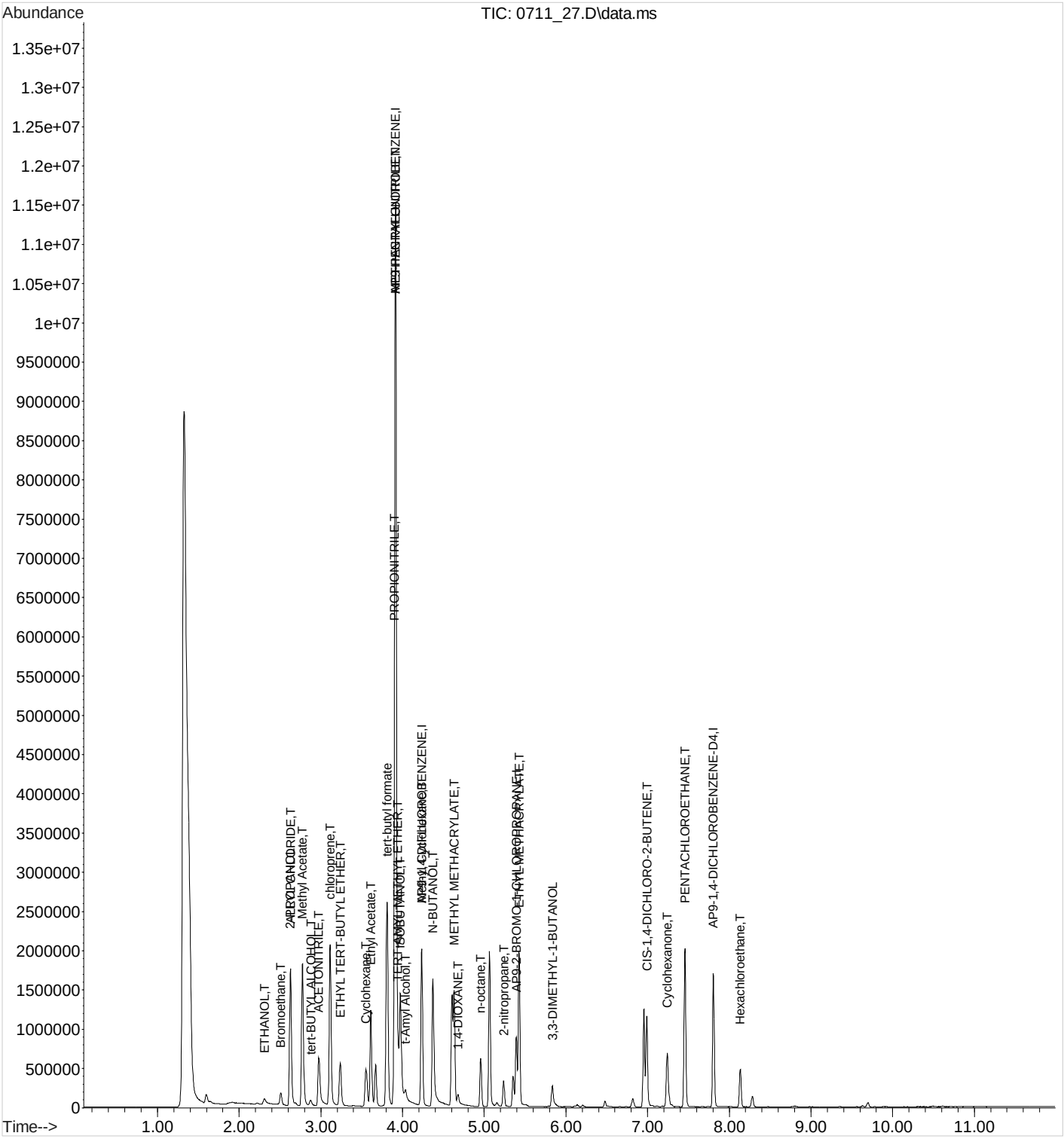

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 28.D
Acq On : 12 Jul 2014 1:10 am
Operator : 644
Sample : STD VMS 17.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:25 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.911	168	499544	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	854590	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	149635	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	391925	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.911	168	499544	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	854590	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	149635	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	391925	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	267428	37.6219495 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 94.05%		
46) a,a,a-Trifluorotoluene	4.605	146	478682	40.9418918 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.35%		
50) TOLUENE-D8	5.065	98	1063310	38.8586140 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.15%		
68) 4-BROMOFLUOROBENZENE	6.955	95	399946	40.4142464 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 101.04%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	-8940387	No Calib	
3) PROPENE	1.399	41	1367	0.4825504 ppb #	24
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.599	50	7696	0.5529016 ppb #	80
6) VINYL CHLORIDE	1.641	62	554	N.D.	
7) 1,3-BUTADIENE	1.644	39	10259	0.8553154 ppb	84
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	2.055	101	712	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	2.223	59	1088	N.D.	
13) ACROLEIN	2.544	56	1525	0.9456377 ppb #	14
14) 1,1-DICHLOROETHENE	2.358	61	876	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.708	43	5856	2.3752026 ppb #	76
17) IODOMETHANE	2.444	142	3329	N.D.	
18) CARBON DISULFIDE	2.383	76	4856	N.D.	
19) METHYLENE CHLORIDE	2.689	84	10554	0.9047766 ppb	94
20) ACRYLONITRILE	3.113	53	1240580	396.9702303 ppb #	50
21) n-Hexane	2.824	56	1825	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	2.833	73	1921	N.D.	
24) 1,1-DICHLOROETHANE	3.113	63	19539	0.9977526 ppb #	52
25) VINYL ACETATE	3.239	43	50921	2.5140390 ppb #	80
26) DI-ISOPROPYL ETHER	3.039	45	1916	N.D.	
27) 2,2-Dichloropropane	3.489	77	1178	N.D.	
28) CIS-1,2-DICHLOROETHENE	3.428	96	509	N.D.	
29) 2-BUTANONE (MEK)	3.808	43	234469	58.6736762 ppb #	47
30) BROMOCHLOROMETHANE	3.538	130	615	N.D.	
31) TETRAHYDROFURAN	3.612	42	75982	24.7500627 ppb #	46
32) CHLOROFORM	3.567	83	26630	1.4289865 ppb #	73
34) 1,1,1-TRICHLOROETHANE	3.695	97	592	N.D.	
35) CARBON TETRACHLORIDE	3.663	117	739	N.D.	

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Misc : water IS/SURR14F17495
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:25 2014
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QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.769	75	637	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.811	57	1211954	26.0917649 ppb #	1
38) HEPTANE	3.808	43	234469	11.8671503 ppb #	26
39) BENZENE	3.904	78	5044	N.D.	
40) 1,2-DICHLOROETHANE	4.013	62	825	N.D.	
42) TRICHLOROETHENE	4.232	130	13256	1.4348152 ppb #	78
43) 1,2-DICHLOROPROPANE	4.605	62	8927	1.2131269 ppb #	51
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.563	83	759	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	853	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.952	75	970	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	1021	N.D.	
51) TOLUENE	5.100	91	15497	0.3836086 ppb	94
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.428	97	3666	0.5086480 ppb #	1
55) TETRACHLOROETHENE	5.354	164	66912	9.9816455 ppb	99
56) 1,3-Dichloropropane	5.644	76	1312	N.D.	
57) 2-HEXANONE	5.833	58	8466	2.5271388 ppb #	1
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	5.756	107	727	N.D.	
60) CHLOROBENZENE	6.103	112	1426	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	7626	0.9377607 ppb #	99
62) ETHYLBENZENE	6.110	106	1834	N.D.	
63) M&P-XYLENE	6.206	106	6864	0.4132910 ppb	99
64) O-XYLENE	6.515	106	2689	N.D.	
65) STYRENE	6.554	104	1739	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.737	105	2612	N.D.	
69) Bromobenzene	6.991	77	92536	4.9847190 ppb #	27
70) 1,1,2,2-TETRACHLOROETHANE	7.094	83	941	N.D.	
71) 1,2,3-TRICHLOROPROPANE	7.200	110	531	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.229	53	17223	6.1631865 ppb #	64
73) n-Propylbenzene	7.039	91	3912	N.D.	
74) 4-ETHYLTOLUENE	7.116	105	7626	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.293	91	2125	N.D.	
77) 1,3,5-Trimethylbenzene	7.181	105	3614	N.D.	
78) tert-Butylbenzene	7.457	119	435387	14.9954224 ppb #	32
79) 1,2,4-Trimethylbenzene	7.483	105	8089	N.D.	
80) sec-Butylbenzene	7.566	105	2478	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	1358	N.D.	
82) p-Isopropyltoluene	7.669	119	2982	N.D.	
83) DICYCLOPENTADIENE	7.669	66	1975	N.D.	
85) 1,4-DICHLOROBENZENE	7.820	146	1807	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	4667	N.D.	
87) 1,2-DICHLOROBENZENE	8.155	146	1077	N.D.	
88) n-Butylbenzene	8.010	91	2374	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.357	180	970	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	4240	N.D.	
93) 1,2,3-Trichlorobenzene	9.785	180	968	N.D.	
94) 1-Methylnaphthalene	10.496	142	3484	N.D.	
95) 2-Methylnaphthalene	10.614	142	2773	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 28.D
Acq On : 12 Jul 2014 1:10 am
Operator : 644
Sample : STD VMS 17.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:25 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

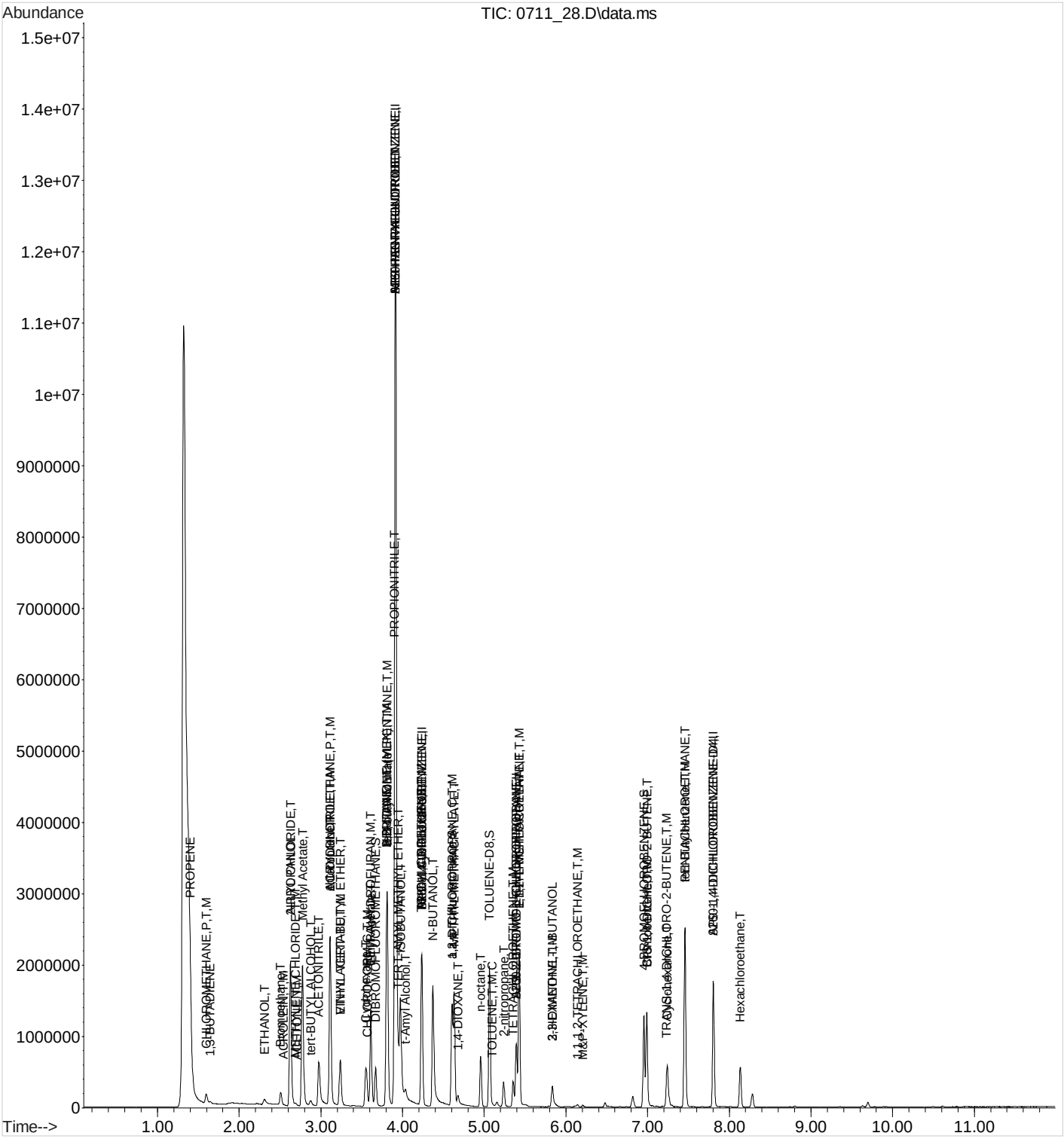
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.309	45	137975	1464.7229783 ppb	#	92
98)	Bromoethane	2.509	108	124363	15.8324964 ppb		99
99)	2-PROPANOL	2.628	45	40146	71.6263520 ppb		98
100)	Methyl Acetate	2.776	43	2221820	323.8050777 ppb	#	97
101)	ACETONITRILE	2.975	41	797907	839.5248600 ppb		97
102)	ALLYL CHLORIDE	2.628	76	423686	81.5615796 ppb		91
103)	tert-BUTYL ALCOHOL	2.875	59	85710	81.1283777 ppb		94
104)	chloroprene	3.113	53	1240580	80.5280541 ppb		98
105)	ETHYL TERT-BUTYL ETHER	3.239	59	496892	16.4726641 ppb		99
106)	PROPIONITRILE	3.901	54	1020897	833.3046574 ppb		99
107)	Ethyl Acetate	3.612	43	1249307	162.0723867 ppb		99
108)	METHACRYLONITRILE	3.914	67	3008066	820.0070673 ppb		96
109)	Cyclohexane	3.554	84	210473	15.8333229 ppb		97
110)	tert-butyl formate	3.811	59	1440237	165.9172201 ppb		92
111)	ISOBUTANOL	3.975	43	905771	1616.8251374 ppb	#	87
112)	t-Amyl Alcohol	4.036	59	78490	100.6653142 ppb		97
113)	TERT-AMYL METHYL ETHER	3.946	73	431560	16.3681489 ppb	#	72
115)	N-BUTANOL	4.370	56	1045413	3293.2761324 ppb		98
116)	Methyl Cyclohexane	4.235	83	261377	16.0873920 ppb		99
117)	2-nitropropane	5.239	43	226514	80.5843855 ppb		96
118)	METHYL METHACRYLATE	4.631	41	638464	80.9871666 ppb		97
119)	1,4-DIOXANE	4.679	88	110001	1697.4307770 ppb		99
120)	n-octane	4.956	85	118488	16.0250936 ppb		93
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	153742	168.5914633 ppb		95
123)	ETHYL METHACRYLATE	5.428	69	916845	82.6519001 ppb		99
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	254188	84.7142662 ppb		97
125)	Cyclohexanone	7.242	55	244206	125.3342389 ppb		96
126)	PENTACHLOROETHANE	7.457	117	453309	89.9896236 ppb		92
127)	Hexachloroethane	8.135	117	116892	16.6197345 ppb		96

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 28.D
Acq On : 12 Jul 2014 1:10 am
Operator : 644
Sample : STD VMS 17.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:06:25 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 28.D
Acq On : 12 Jul 2014 1:10 am
Operator : 644
Sample : STD VMS 17.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:10:13 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.91
41) 8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.24
53) 8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb	-5.39
84) 8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb	-7.81
96) AP9-PENTAFLUOROBENZENE	3.911	168	499544	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	854590	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	149635	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	391925	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 78 - 121		Recovery = 0.00%#			
46) a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 85 - 114		Recovery = 0.00%#			
50) TOLUENE-D8	0.000	98	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 89 - 111		Recovery = 0.00%#			
68) 4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 71 - 126		Recovery = 0.00%#			

Target Compounds				Qvalue
2) TPH (GC/MS) LOW FRACTION	0.000	0	N.D. d	
3) PROPENE	0.000	0	N.D. d	
4) DICHLORODIFLUOROMETHANE	0.000	0	N.D.	
5) CHLOROMETHANE	0.000	0	N.D. d	
6) VINYL CHLORIDE	0.000	0	N.D. d	
7) 1,3-BUTADIENE	0.000	0	N.D. d	
8) BROMOMETHANE	0.000	0	N.D.	
9) CHLOROETHANE	0.000	0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000	0	N.D. d	
11) DICHLOROFLUOROMETHANE	0.000	0	N.D.	
12) ETHYL ETHER	0.000	0	N.D. d	
13) ACROLEIN	0.000	0	N.D. d	
14) 1,1-DICHLOROETHENE	0.000	0	N.D. d	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000	0	N.D.	
16) ACETONE	0.000	0	N.D. d	
17) IODOMETHANE	0.000	0	N.D. d	
18) CARBON DISULFIDE	0.000	0	N.D. d	
19) METHYLENE CHLORIDE	0.000	0	N.D. d	
20) ACRYLONITRILE	0.000	0	N.D. d	
21) n-Hexane	0.000	0	N.D. d	
22) TRANS-1,2-DICHLOROETHENE	0.000	0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000	0	N.D. d	
24) 1,1-DICHLOROETHANE	0.000	0	N.D. d	
25) VINYL ACETATE	0.000	0	N.D. d	
26) DI-ISOPROPYL ETHER	0.000	0	N.D. d	
27) 2,2-Dichloropropane	0.000	0	N.D. d	
28) CIS-1,2-DICHLOROETHENE	0.000	0	N.D. d	
29) 2-BUTANONE (MEK)	0.000	0	N.D. d	
30) BROMOCHLOROMETHANE	0.000	0	N.D. d	
31) TETRAHYDROFURAN	0.000	0	N.D. d	
32) CHLOROFORM	0.000	0	N.D. d	
34) 1,1,1-TRICHLOROETHANE	0.000	0	N.D. d	
35) CARBON TETRACHLORIDE	0.000	0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 28.D
Acq On : 12 Jul 2014 1:10 am
Operator : 644
Sample : STD VMS 17.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:10:13 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	d
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	d
38) HEPTANE	0.000		0	N.D.	d
39) BENZENE	0.000		0	N.D.	d
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	d
42) TRICHLOROETHENE	0.000		0	N.D.	d
43) 1,2-DICHLOROPROPANE	0.000		0	N.D.	d
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	d
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	d
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	d
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	d
51) TOLUENE	0.000		0	N.D.	d
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	d
55) TETRACHLOROETHENE	0.000		0	N.D.	d
56) 1,3-Dichloropropane	0.000		0	N.D.	d
57) 2-HEXANONE	0.000		0	N.D.	d
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	d
60) CHLOROBENZENE	0.000		0	N.D.	d
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	d
62) ETHYLBENZENE	0.000		0	N.D.	d
63) M&P-XYLENE	0.000		0	N.D.	d
64) O-XYLENE	0.000		0	N.D.	d
65) STYRENE	0.000		0	N.D.	d
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	0.000		0	N.D.	d
69) Bromobenzene	0.000		0	N.D.	d
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	d
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	d
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	d
73) n-Propylbenzene	0.000		0	N.D.	d
74) 4-ETHYLTOLUENE	0.000		0	N.D.	d
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	d
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d
78) tert-Butylbenzene	0.000		0	N.D.	d
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d
80) sec-Butylbenzene	0.000		0	N.D.	d
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	d
82) p-Isopropyltoluene	0.000		0	N.D.	d
83) DICYCLOPENTADIENE	0.000		0	N.D.	d
85) 1,4-DICHLOROBENZENE	0.000		0	N.D.	d
86) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	d
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	d
88) n-Butylbenzene	0.000		0	N.D.	d
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	0.000		0	N.D.	d
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d
94) 1-Methylnaphthalene	0.000		0	N.D.	d
95) 2-Methylnaphthalene	0.000		0	N.D.	d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 28.D
Acq On : 12 Jul 2014 1:10 am
Operator : 644
Sample : STD VMS 17.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:10:13 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration

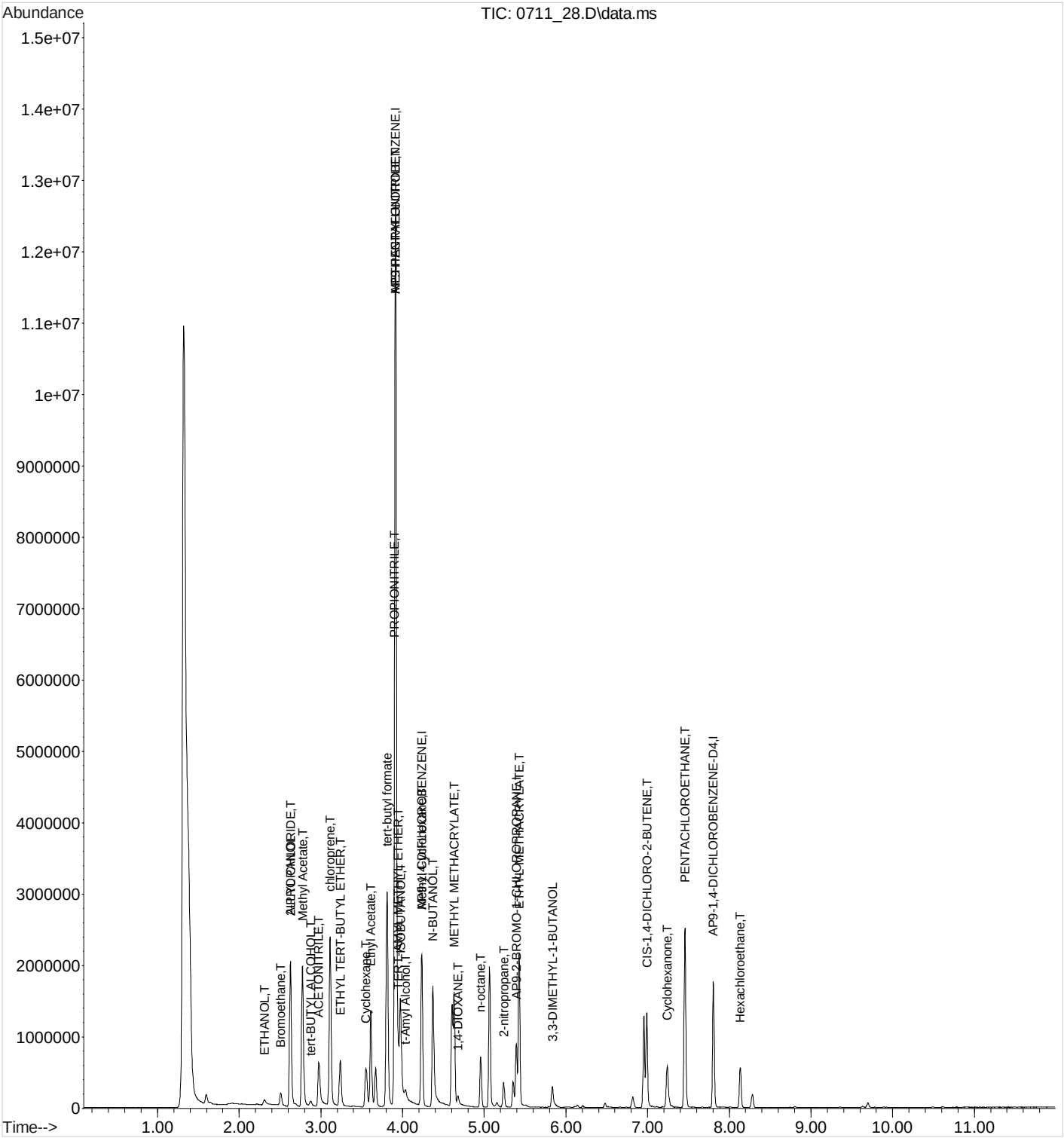
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	ETHANOL	2.309	45	137975	1464.7229783	ppb	#	92
98)	Bromoethane	2.509	108	124363	15.8324964	ppb		99
99)	2-PROPANOL	2.628	45	40146	71.6263520	ppb		98
100)	Methyl Acetate	2.776	43	2221820	323.8050777	ppb	#	97
101)	ACETONITRILE	2.975	41	797907	839.5248600	ppb		97
102)	ALLYL CHLORIDE	2.628	76	423686	81.5615796	ppb		91
103)	tert-BUTYL ALCOHOL	2.875	59	85710	81.1283777	ppb		94
104)	chloroprene	3.113	53	1240580	80.5280541	ppb		98
105)	ETHYL TERT-BUTYL ETHER	3.239	59	496892	16.4726641	ppb		99
106)	PROPIONITRILE	3.901	54	1020897	833.3046574	ppb		99
107)	Ethyl Acetate	3.612	43	1249307	162.0723867	ppb		99
108)	METHACRYLONITRILE	3.914	67	3008066	820.0070673	ppb		96
109)	Cyclohexane	3.554	84	210473	15.8333229	ppb		97
110)	tert-butyl formate	3.811	59	1440237	165.9172201	ppb		92
111)	ISOBUTANOL	3.975	43	905771	1616.8251374	ppb	#	87
112)	t-Amyl Alcohol	4.036	59	78490	100.6653142	ppb		97
113)	TERT-AMYL METHYL ETHER	3.946	73	431560	16.3681489	ppb	#	72
115)	N-BUTANOL	4.370	56	1045413	3293.2761324	ppb		98
116)	Methyl Cyclohexane	4.235	83	261377	16.0873920	ppb		99
117)	2-nitropropane	5.239	43	226514	80.5843855	ppb		96
118)	METHYL METHACRYLATE	4.631	41	638464	80.9871666	ppb		97
119)	1,4-DIOXANE	4.679	88	110001	1697.4307770	ppb		99
120)	n-octane	4.956	85	118488	16.0250936	ppb		93
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	153742	168.5914633	ppb		95
123)	ETHYL METHACRYLATE	5.428	69	916845	82.6519001	ppb		99
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	254188	84.7142662	ppb		97
125)	Cyclohexanone	7.242	55	244206	125.3342389	ppb		96
126)	PENTACHLOROETHANE	7.457	117	453309	89.9896236	ppb		92
127)	Hexachloroethane	8.135	117	116892	16.6197345	ppb		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 28.D
Acq On : 12 Jul 2014 1:10 am
Operator : 644
Sample : STD VMS 17.5 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:10:13 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:05:33 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 29.D
Acq On : 12 Jul 2014 1:30 am
Operator : 644
Sample : STD VMS 20 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 29 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:10:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:10:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.911	168	469394	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	794417	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	138335	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	360627	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.911	168	469394	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	794417	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	138335	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	360627	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.670	111	247672	37.0806675 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 92.70%		
46) a,a,a-Trifluorotoluene	4.605	146	441370	40.6099914 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.52%		
50) TOLUENE-D8	5.065	98	991853	38.9927618 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.48%		
68) 4-BROMOFLUOROBENZENE	6.952	95	364316	39.8210297 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 99.55%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	-6841923	No Calib	
3) PROPENE	1.409	41	1687	0.6337610 ppb #	56
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.596	50	7814	0.5974374 ppb #	77
6) VINYL CHLORIDE	1.641	62	584	N.D.	
7) 1,3-BUTADIENE	1.644	39	14441	1.2813116 ppb	95
8) BROMOMETHANE	1.869	94	1359	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	2.081	67	798	N.D.	
12) ETHYL ETHER	2.223	59	1079	N.D.	
13) ACROLEIN	2.547	56	1017	0.6711384 ppb	100
14) 1,1-DICHLOROETHENE	2.351	61	882	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.711	43	5502	2.3749605 ppb #	85
17) IODOMETHANE	2.444	142	3651	N.D.	
18) CARBON DISULFIDE	2.380	76	5373	N.D.	
19) METHYLENE CHLORIDE	2.689	84	10361	0.9452836 ppb	90
20) ACRYLONITRILE	3.113	53	1393319	474.4822127 ppb #	50
21) n-Hexane	2.821	56	1706	N.D.	
22) TRANS-1,2-DICHLOROETHENE	2.779	96	1213	N.D.	
23) METHYL TERT-BUTYL ETHER	2.837	73	2427	N.D.	
24) 1,1-DICHLOROETHANE	3.113	63	21706	1.1796049 ppb #	52
25) VINYL ACETATE	3.239	43	55768	2.9301940 ppb #	83
26) DI-ISOPROPYL ETHER	3.036	45	1865	N.D.	
27) 2,2-Dichloropropane	3.551	77	3091	0.3034660 ppb	96
28) CIS-1,2-DICHLOROETHENE	3.428	96	1213	N.D.	
29) 2-BUTANONE (MEK)	3.808	43	261785	69.7170240 ppb #	47
30) BROMOCHLOROMETHANE	3.538	130	712	N.D.	
31) TETRAHYDROFURAN	3.612	42	86868	30.1135265 ppb #	47
32) CHLOROFORM	3.567	83	27152	1.5505829 ppb #	67
34) 1,1,1-TRICHLOROETHANE	3.695	97	858	N.D.	
35) CARBON TETRACHLORIDE	3.666	117	800	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 29.D
Acq On : 12 Jul 2014 1:30 am
Operator : 644
Sample : STD VMS 20 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 29 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:10:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:10:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.760	75	678	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.808	57	1357106	31.0933349 ppb #	1
38) HEPTANE	3.808	43	261785	14.1007425 ppb #	26
39) BENZENE	3.904	78	5251	N.D.	
40) 1,2-DICHLOROETHANE	4.010	62	624	N.D.	
42) TRICHLOROETHENE	4.232	130	19164	2.2314076 ppb #	81
43) 1,2-DICHLOROPROPANE	4.605	62	8123	1.1874803 ppb #	38
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.570	83	785	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	4.895	63	1045	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.949	75	1027	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	1254	0.3762354 ppb #	1
51) TOLUENE	5.097	91	16024	0.4266983 ppb	91
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	532	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.428	97	4180	0.6273390 ppb #	1
55) TETRACHLOROETHENE	5.354	164	85488	13.7944504 ppb	98
56) 1,3-Dichloropropane	5.647	76	1441	N.D.	
57) 2-HEXANONE	5.830	58	9267	2.9922033 ppb #	1
58) CHLORODIBROMOMETHANE	5.583	129	609	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.107	112	1522	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	8160	1.0853917 ppb #	99
62) ETHYLBENZENE	6.107	106	2068	N.D.	
63) M&P-XYLENE	6.206	106	7612	0.4957681 ppb	90
64) O-XYLENE	6.515	106	2873	N.D.	
65) STYRENE	6.550	104	1847	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.734	105	2725	N.D.	
69) Bromobenzene	6.991	77	102064	5.9470783 ppb #	27
70) 1,1,2,2-TETRACHLOROETHANE	7.087	83	839	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.238	53	19962	7.7268357 ppb #	62
73) n-Propylbenzene	7.042	91	4015	N.D.	
74) 4-ETHYLTOLUENE	7.116	105	7963	N.D.	
75) 2-Chlorotoluene	7.177	126	531	N.D.	
76) 4-Chlorotoluene	7.293	91	2233	N.D.	
77) 1,3,5-Trimethylbenzene	7.184	105	3465	N.D.	
78) tert-Butylbenzene	7.457	119	463055	17.2511058 ppb #	32
79) 1,2,4-Trimethylbenzene	7.483	105	8249	N.D.	
80) sec-Butylbenzene	7.570	105	3271	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	1388	N.D.	
82) p-Isopropyltoluene	7.669	119	2034	N.D.	
83) DICYCLOPENTADIENE	7.669	66	1963	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	1925	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.824	105	4411	N.D.	
87) 1,2-DICHLOROBENZENE	8.152	146	1169	N.D.	
88) n-Butylbenzene	8.007	91	3205	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	1033	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.624	128	4286	N.D.	
93) 1,2,3-Trichlorobenzene	9.782	180	964	N.D.	
94) 1-Methylnaphthalene	10.492	142	3259	N.D.	
95) 2-Methylnaphthalene	10.615	142	2774	N.D.	

Quantitation Report (Not Reviewed)

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Data File : 0711 29.D
Acq On : 12 Jul 2014 1:30 am
Operator : 644
Sample : STD VMS 20 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 29 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:10:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:10:21 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.313	45	201142	2458.7761816 ppb	#	96
98)	Bromoethane	2.509	108	133131	18.6175548 ppb		99
99)	2-PROPANOL	2.625	45	55850	108.6868910 ppb		96
100)	Methyl Acetate	2.772	43	2530242	398.9493664 ppb	#	97
101)	ACETONITRILE	2.975	41	988120	1092.3188824 ppb		99
102)	ALLYL CHLORIDE	2.628	76	470881	98.5604522 ppb		92
103)	tert-BUTYL ALCOHOL	2.875	59	106855	106.0635475 ppb		95
104)	chloroprene	3.113	53	1393319	97.5204137 ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	547592	19.6286403 ppb		99
106)	PROPIONITRILE	3.901	54	1170663	1026.0284311 ppb		98
107)	Ethyl Acetate	3.612	43	1411437	198.1310124 ppb		99
108)	METHACRYLONITRILE	3.914	67	3342232	992.3420546 ppb		97
109)	Cyclohexane	3.554	84	232122	19.2196209 ppb		99
110)	tert-butyl formate	3.808	59	1623764	204.7466763 ppb		92
111)	ISOBUTANOL	3.975	43	1096934	2032.2969928 ppb	#	98
112)	t-Amyl Alcohol	4.036	59	80120	101.1296984 ppb		86
113)	TERT-AMYL METHYL ETHER	3.943	73	481533	19.6525231 ppb	#	70
115)	N-BUTANOL	4.370	56	1201487	4246.2777217 ppb		97
116)	Methyl Cyclohexane	4.235	83	286517	17.9791106 ppb		97
117)	2-nitropropane	5.239	43	256459	100.7725907 ppb		95
118)	METHYL METHACRYLATE	4.631	41	718885	101.1138316 ppb		96
119)	1,4-DIOXANE	4.679	88	162242	2343.8780233 ppb	#	88
120)	n-octane	4.956	85	132393	19.5473728 ppb		93
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	172531	207.6332888 ppb		94
123)	ETHYL METHACRYLATE	5.428	69	1013274	101.3475017 ppb		97
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	273356	100.9116537 ppb		96
125)	Cyclohexanone	7.242	55	315227	183.2099018 ppb		97
126)	PENTACHLOROETHANE	7.457	117	479360	105.3907558 ppb		92
127)	Hexachloroethane	8.136	117	125506	19.8491032 ppb		98

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

Quantitation Report (Not Reviewed)

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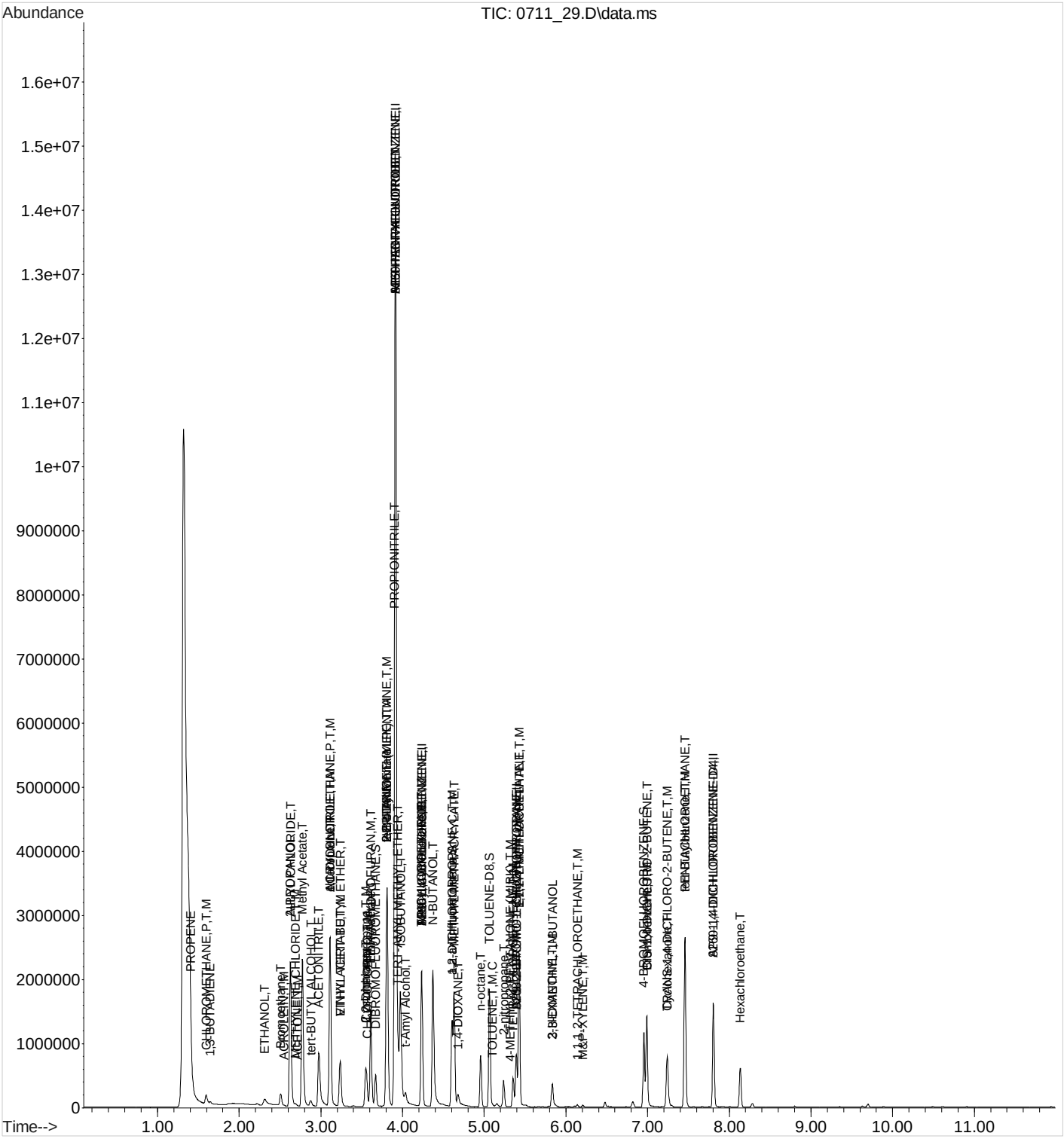

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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:10:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.911	168	469394	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	794417	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	138335	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	360627	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.911	168	469394	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	794417	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	138335	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	360627	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.670	111	247672	37.0806675 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 92.70%		
46) a,a,a-Trifluorotoluene	4.605	146	441370	40.6099914 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.52%		
50) TOLUENE-D8	5.065	98	991853	38.9927618 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.48%		
68) 4-BROMOFLUOROBENZENE	6.952	95	364316	39.8210297 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 99.55%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	-6841923	No Calib	
3) PROPENE	1.409	41	1687	0.6337610 ppb #	56
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.596	50	7814	0.5974374 ppb #	77
6) VINYL CHLORIDE	1.641	62	584	N.D.	
7) 1,3-BUTADIENE	1.644	39	14441	1.2813116 ppb	95
8) BROMOMETHANE	1.869	94	1359	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	2.081	67	798	N.D.	
12) ETHYL ETHER	2.223	59	1079	N.D.	
13) ACROLEIN	2.547	56	1017	0.6711384 ppb	100
14) 1,1-DICHLOROETHENE	2.351	61	882	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.711	43	5502	2.3749605 ppb #	85
17) IODOMETHANE	2.444	142	3651	N.D.	
18) CARBON DISULFIDE	2.380	76	5373	N.D.	
19) METHYLENE CHLORIDE	2.689	84	10361	0.9452836 ppb	90
20) ACRYLONITRILE	3.113	53	1393319	474.4822127 ppb #	50
21) n-Hexane	2.821	56	1706	N.D.	
22) TRANS-1,2-DICHLOROETHENE	2.779	96	1213	N.D.	
23) METHYL TERT-BUTYL ETHER	2.837	73	2427	N.D.	
24) 1,1-DICHLOROETHANE	3.113	63	21706	1.1796049 ppb #	52
25) VINYL ACETATE	3.239	43	55768	2.9301940 ppb #	83
26) DI-ISOPROPYL ETHER	3.036	45	1865	N.D.	
27) 2,2-Dichloropropane	3.551	77	3091	0.3034660 ppb	96
28) CIS-1,2-DICHLOROETHENE	3.428	96	1213	N.D.	
29) 2-BUTANONE (MEK)	3.808	43	261785	69.7170240 ppb #	47
30) BROMOCHLOROMETHANE	3.538	130	712	N.D.	
31) TETRAHYDROFURAN	3.612	42	86868	30.1135265 ppb #	47
32) CHLOROFORM	3.567	83	27152	1.5505829 ppb #	67
34) 1,1,1-TRICHLOROETHANE	3.695	97	858	N.D.	
35) CARBON TETRACHLORIDE	3.666	117	800	N.D.	

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Data File : 0711 29.D
Acq On : 12 Jul 2014 1:30 am
Operator : 644
Sample : STD VMS 20 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 29 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:10:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:10:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.760	75	678	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.808	57	1357106	31.0933349 ppb #	1
38) HEPTANE	3.808	43	261785	14.1007425 ppb #	26
39) BENZENE	3.904	78	5251	N.D.	
40) 1,2-DICHLOROETHANE	4.010	62	624	N.D.	
42) TRICHLOROETHENE	4.232	130	19164	2.2314076 ppb #	81
43) 1,2-DICHLOROPROPANE	4.605	62	8123	1.1874803 ppb #	38
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.570	83	785	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	4.895	63	1045	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.949	75	1027	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	1254	0.3762354 ppb #	1
51) TOLUENE	5.097	91	16024	0.4266983 ppb	91
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	532	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.428	97	4180	0.6273390 ppb #	1
55) TETRACHLOROETHENE	5.354	164	85488	13.7944504 ppb	98
56) 1,3-Dichloropropane	5.647	76	1441	N.D.	
57) 2-HEXANONE	5.830	58	9267	2.9922033 ppb #	1
58) CHLORODIBROMOMETHANE	5.583	129	609	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.107	112	1522	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	8160	1.0853917 ppb #	99
62) ETHYLBENZENE	6.107	106	2068	N.D.	
63) M&P-XYLENE	6.206	106	7612	0.4957681 ppb	90
64) O-XYLENE	6.515	106	2873	N.D.	
65) STYRENE	6.550	104	1847	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.734	105	2725	N.D.	
69) Bromobenzene	6.991	77	102064	5.9470783 ppb #	27
70) 1,1,2,2-TETRACHLOROETHANE	7.087	83	839	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.238	53	19962	7.7268357 ppb #	62
73) n-Propylbenzene	7.042	91	4015	N.D.	
74) 4-ETHYLTOLUENE	7.116	105	7963	N.D.	
75) 2-Chlorotoluene	7.177	126	531	N.D.	
76) 4-Chlorotoluene	7.293	91	2233	N.D.	
77) 1,3,5-Trimethylbenzene	7.184	105	3465	N.D.	
78) tert-Butylbenzene	7.457	119	463055	17.2511058 ppb #	32
79) 1,2,4-Trimethylbenzene	7.483	105	8249	N.D.	
80) sec-Butylbenzene	7.570	105	3271	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	1388	N.D.	
82) p-Isopropyltoluene	7.669	119	2034	N.D.	
83) DICYCLOPENTADIENE	7.669	66	1963	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	1925	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.824	105	4411	N.D.	
87) 1,2-DICHLOROBENZENE	8.152	146	1169	N.D.	
88) n-Butylbenzene	8.007	91	3205	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	1033	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.624	128	4286	N.D.	
93) 1,2,3-Trichlorobenzene	9.782	180	964	N.D.	
94) 1-Methylnaphthalene	10.492	142	3259	N.D.	
95) 2-Methylnaphthalene	10.615	142	2774	N.D.	

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Operator : 644
Sample : STD VMS 20 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 29 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:10:27 2014
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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
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Response via : Initial Calibration

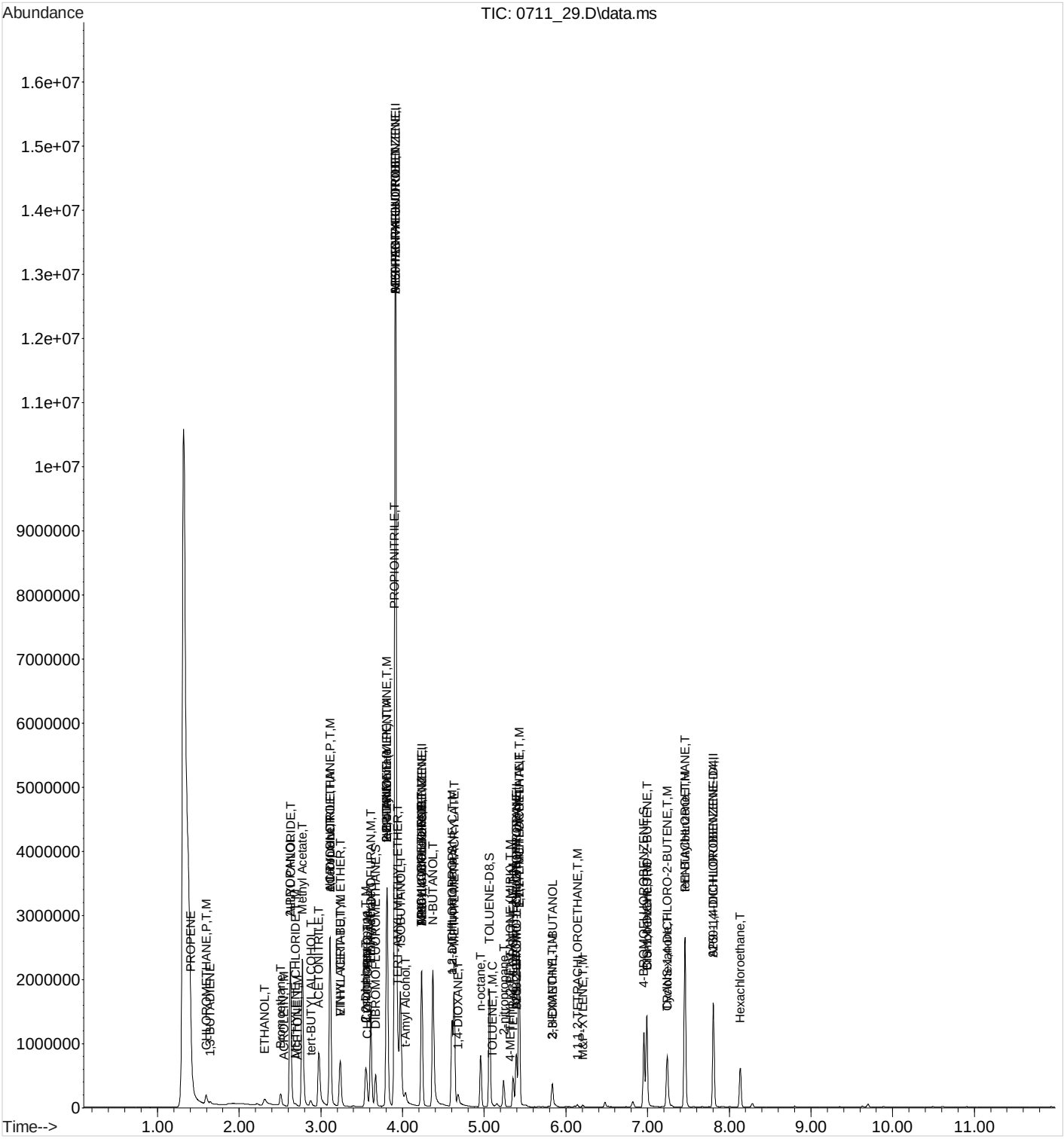
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.313	45	201142	2458.7761816 ppb	#	96
98)	Bromoethane	2.509	108	133131	18.6175548 ppb		99
99)	2-PROPANOL	2.625	45	55850	108.6868910 ppb		96
100)	Methyl Acetate	2.772	43	2530242	398.9493664 ppb	#	97
101)	ACETONITRILE	2.975	41	988120	1092.3188824 ppb		99
102)	ALLYL CHLORIDE	2.628	76	470881	98.5604522 ppb		92
103)	tert-BUTYL ALCOHOL	2.875	59	106855	106.0635475 ppb		95
104)	chloroprene	3.113	53	1393319	97.5204137 ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.239	59	547592	19.6286403 ppb		99
106)	PROPIONITRILE	3.901	54	1170663	1026.0284311 ppb		98
107)	Ethyl Acetate	3.612	43	1411437	198.1310124 ppb		99
108)	METHACRYLONITRILE	3.914	67	3342232	992.3420546 ppb		97
109)	Cyclohexane	3.554	84	232122	19.2196209 ppb		99
110)	tert-butyl formate	3.808	59	1623764	204.7466763 ppb		92
111)	ISOBUTANOL	3.975	43	1096934	2032.2969928 ppb	#	98
112)	t-Amyl Alcohol	4.036	59	80120	101.1296984 ppb		86
113)	TERT-AMYL METHYL ETHER	3.943	73	481533	19.6525231 ppb	#	70
115)	N-BUTANOL	4.370	56	1201487	4246.2777217 ppb		97
116)	Methyl Cyclohexane	4.235	83	286517	17.9791106 ppb		97
117)	2-nitropropane	5.239	43	256459	100.7725907 ppb		95
118)	METHYL METHACRYLATE	4.631	41	718885	101.1138316 ppb		96
119)	1,4-DIOXANE	4.679	88	162242	2343.8780233 ppb	#	88
120)	n-octane	4.956	85	132393	19.5473728 ppb		93
121)	3,3-DIMETHYL-1-BUTANOL	5.833	57	172531	207.6332888 ppb		94
123)	ETHYL METHACRYLATE	5.428	69	1013274	101.3475017 ppb		97
124)	CIS-1,4-DICHLORO-2-BUTENE	6.991	53	273356	100.9116537 ppb		96
125)	Cyclohexanone	7.242	55	315227	183.2099018 ppb		97
126)	PENTACHLOROETHANE	7.457	117	479360	105.3907558 ppb		92
127)	Hexachloroethane	8.136	117	125506	19.8491032 ppb		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 29.D
Acq On : 12 Jul 2014 1:30 am
Operator : 644
Sample : STD VMS 20 PPB 14B14470
Misc : water IS/SURR14F17495
ALS Vial : 29 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:10:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:10:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.910	168	423656	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	755527	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	135967	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	373465	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.910	168	423656	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	755527	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	135967	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	373465	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	245976	40.8025720 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 102.01%		
46) a,a,a-Trifluorotoluene	4.605	146	429020	41.5055492 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 103.76%		
50) TOLUENE-D8	5.065	98	955376	39.4920385 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 98.73%		
68) 4-BROMOFLUOROBENZENE	6.952	95	382910	42.5823386 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 106.46%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -8683364		No Calib	
3) PROPENE	0.000		0	N.D.	
4) DICHLORODIFLUOROMETHANE	1.476	85	865	N.D.	
5) CHLOROMETHANE	1.586	50	3497	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	0.000		0	N.D.	
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.711	43	19447	9.3006349 ppb	96
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.386	76	20706	0.5841966 ppb #	82
19) METHYLENE CHLORIDE	2.692	84	3880	0.3922079 ppb	90
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	2.792	56	517	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.258	43	564	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	3.496	96	685	N.D.	
29) 2-BUTANONE (MEK)	3.730	43	7748	2.2861666 ppb #	86
30) BROMOCHLOROMETHANE	3.538	130	537	N.D.	
31) TETRAHYDROFURAN	3.666	42	1120	0.4301738 ppb #	65
32) CHLOROFORM	3.566	83	7363	0.4658779 ppb #	94
34) 1,1,1-TRICHLOROETHANE	3.682	97	585	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.837	75	705	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	773	N.D.	
38) HEPTANE	3.939	43	929	N.D.	
39) BENZENE	3.904	78	1441	N.D.	
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	4.232	130	516	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	7961	1.2237033 ppb #	1
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	831	N.D.	
51) TOLUENE	5.090	91	1941	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.390	97	691	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	1630	N.D.	
57) 2-HEXANONE	5.872	58	1945	0.6389548 ppb #	34
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.100	112	736	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.126	133	505	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	6.206	106	1613	N.D.	
64) O-XYLENE	6.512	106	756	N.D.	
65) STYRENE	6.550	104	1154	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.730	105	2295	N.D.	
69) Bromobenzene	7.042	77	954	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.052	83	515	N.D.	
71) 1,2,3-TRICHLOROPROPANE	7.203	110	629	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	7.039	91	3570	N.D.	
74) 4-ETHYLTOLUENE	7.119	105	2442	N.D.	
75) 2-Chlorotoluene	7.168	126	559	N.D.	
76) 4-Chlorotoluene	7.290	91	1903	N.D.	
77) 1,3,5-Trimethylbenzene	7.180	105	2721	N.D.	
78) tert-Butylbenzene	7.428	119	2108	N.D.	
79) 1,2,4-Trimethylbenzene	7.479	105	4479	N.D.	
80) sec-Butylbenzene	7.563	105	4921	N.D.	
81) 1,3-DICHLOROBENZENE	7.750	146	1830	N.D.	
82) p-Isopropyltoluene	7.669	119	3788	N.D.	
83) DICYCLOPENTADIENE	7.666	66	2518	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	2572	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	28464	0.7913795 ppb #	46
87) 1,2-DICHLOROBENZENE	8.151	146	2040	N.D.	
88) n-Butylbenzene	8.007	91	6232	N.D.	
89) 1,2-Dibromo-3-chloropr...	8.795	157	533	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	2867	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	9.322	225	1972	0.3371561 ppb	95
92) Naphthalene	9.624	128	18712	0.7254761 ppb	96
93) 1,2,3-Trichlorobenzene	9.782	180	4767	0.4794349 ppb	97
94) 1-Methylnaphthalene	10.492	142	25263	1.8467120 ppb	97
95) 2-Methylnaphthalene	10.614	142	22432	2.0227963 ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

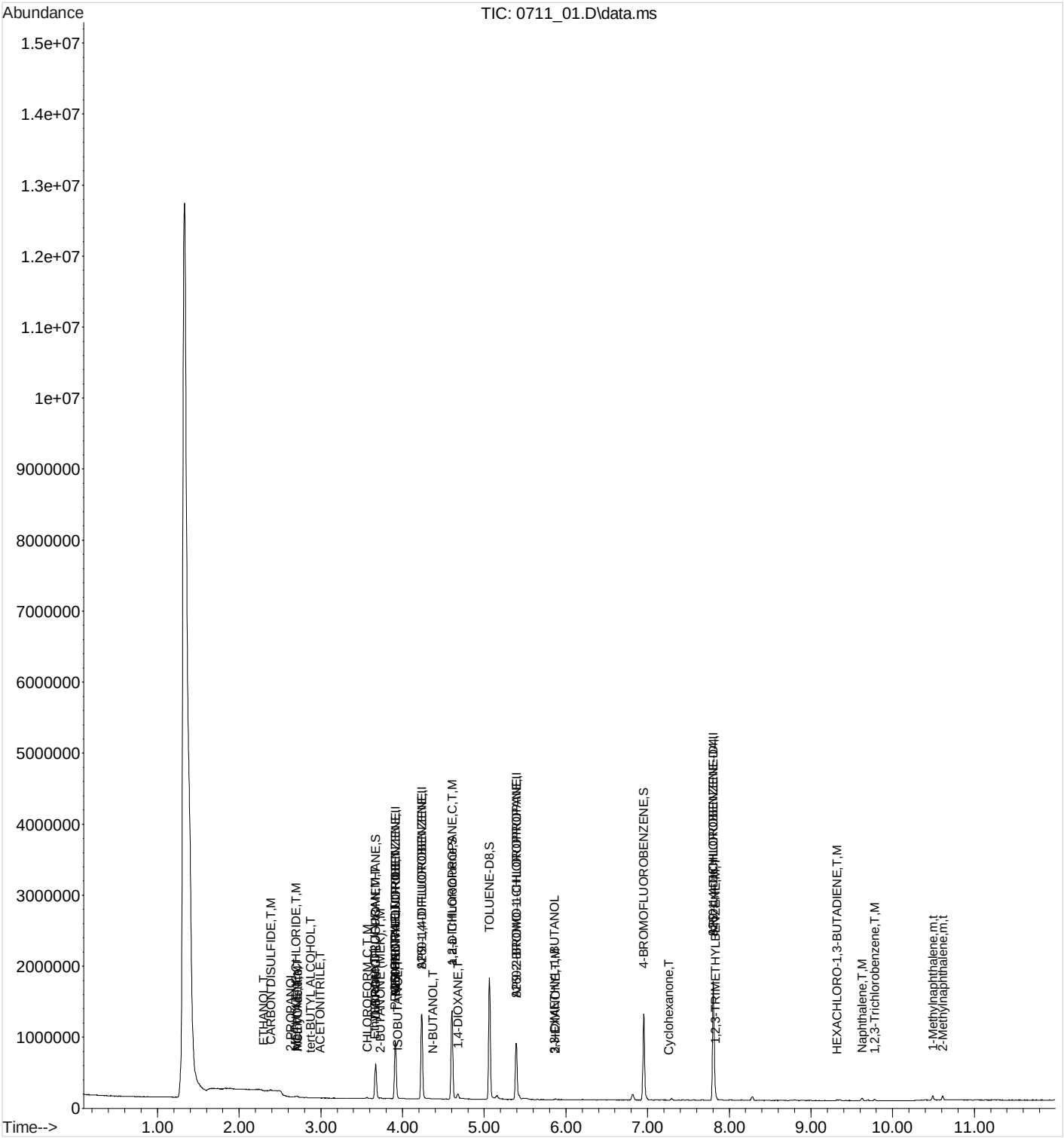
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	2.300	45	594	7.8450633 ppb #	32
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.628	45	895	1.9113026 ppb #	58
100)	Methyl Acetate	2.711	43	18027	3.1501419 ppb #	56
101)	ACETONITRILE	2.988	41	1552	1.8815835 ppb #	35
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.872	59	1243	1.3578458 ppb #	1
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	3.904	54	572	0.5538517 ppb #	1
107)	Ethyl Acetate	3.656	43	2401	0.3738165 ppb #	68
108)	METHACRYLONITRILE	3.910	67	1846	0.6077855 ppb #	18
109)	Cyclohexane	0.000		0	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.939	43	929	1.9035663 ppb #	20
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	
115)	N-BUTANOL	4.373	56	757	2.7939770 ppb #	1
116)	Methyl Cyclohexane	4.235	83	8800	Below Cal #	35
117)	2-nitropropane	5.232	43	509	N.D.	
118)	METHYL METHACRYLATE	4.589	41	633	N.D.	
119)	1,4-DIOXANE	4.679	88	46435	763.5059121 ppb	93
120)	n-octane	4.846	85	697	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.859	57	736	0.9274027 ppb #	1
123)	ETHYL METHACRYLATE	5.428	69	925	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	7.258	55	687	0.4100633 ppb #	59
126)	PENTACHLOROETHANE	7.377	117	876	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.910	168	423656	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	755527	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	135967	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	373465	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.910	168	423656	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	755527	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	135967	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	373465	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	245976	40.8025720 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 102.01%		
46) a,a,a-Trifluorotoluene	4.605	146	429020	41.5055492 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 103.76%		
50) TOLUENE-D8	5.065	98	955376	39.4920385 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 98.73%		
68) 4-BROMOFLUOROBENZENE	6.952	95	382910	42.5823386 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 106.46%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -8683364		No Calib	
3) PROPENE	0.000		0	N.D.	
4) DICHLORODIFLUOROMETHANE	1.476	85	865	N.D.	
5) CHLOROMETHANE	1.586	50	3497	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	0.000		0	N.D.	
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.711	43	19447	9.3006349 ppb	96
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.386	76	20706	0.5841966 ppb #	82
19) METHYLENE CHLORIDE	2.692	84	3880	0.3922079 ppb	90
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	2.792	56	517	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.258	43	564	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	3.496	96	685	N.D.	
29) 2-BUTANONE (MEK)	3.730	43	7748	2.2861666 ppb #	86
30) BROMOCHLOROMETHANE	3.538	130	537	N.D.	
31) TETRAHYDROFURAN	3.666	42	1120	0.4301738 ppb #	65
32) CHLOROFORM	3.566	83	7363	0.4658779 ppb #	94
34) 1,1,1-TRICHLOROETHANE	3.682	97	585	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.837	75	705	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	773	N.D.	
38) HEPTANE	3.939	43	929	N.D.	
39) BENZENE	3.904	78	1441	N.D.	
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	4.232	130	516	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	7961	1.2237033 ppb #	1
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	831	N.D.	
51) TOLUENE	5.090	91	1941	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.390	97	691	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	1630	N.D.	
57) 2-HEXANONE	5.872	58	1945	0.6389548 ppb #	34
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.100	112	736	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.126	133	505	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	6.206	106	1613	N.D.	
64) O-XYLENE	6.512	106	756	N.D.	
65) STYRENE	6.550	104	1154	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.730	105	2295	N.D.	
69) Bromobenzene	7.042	77	954	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.052	83	515	N.D.	
71) 1,2,3-TRICHLOROPROPANE	7.203	110	629	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	7.039	91	3570	N.D.	
74) 4-ETHYLTOLUENE	7.119	105	2442	N.D.	
75) 2-Chlorotoluene	7.168	126	559	N.D.	
76) 4-Chlorotoluene	7.290	91	1903	N.D.	
77) 1,3,5-Trimethylbenzene	7.180	105	2721	N.D.	
78) tert-Butylbenzene	7.428	119	2108	N.D.	
79) 1,2,4-Trimethylbenzene	7.479	105	4479	N.D.	
80) sec-Butylbenzene	7.563	105	4921	N.D.	
81) 1,3-DICHLOROBENZENE	7.750	146	1830	N.D.	
82) p-Isopropyltoluene	7.669	119	3788	N.D.	
83) DICYCLOPENTADIENE	7.666	66	2518	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	2572	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	28464	0.7913795 ppb #	46
87) 1,2-DICHLOROBENZENE	8.151	146	2040	N.D.	
88) n-Butylbenzene	8.007	91	6232	N.D.	
89) 1,2-Dibromo-3-chloropr...	8.795	157	533	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	2867	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	9.322	225	1972	0.3371561 ppb	95
92) Naphthalene	9.624	128	18712	0.7254761 ppb	96
93) 1,2,3-Trichlorobenzene	9.782	180	4767	0.4794349 ppb	97
94) 1-Methylnaphthalene	10.492	142	25263	1.8467120 ppb	97
95) 2-Methylnaphthalene	10.614	142	22432	2.0227963 ppb	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

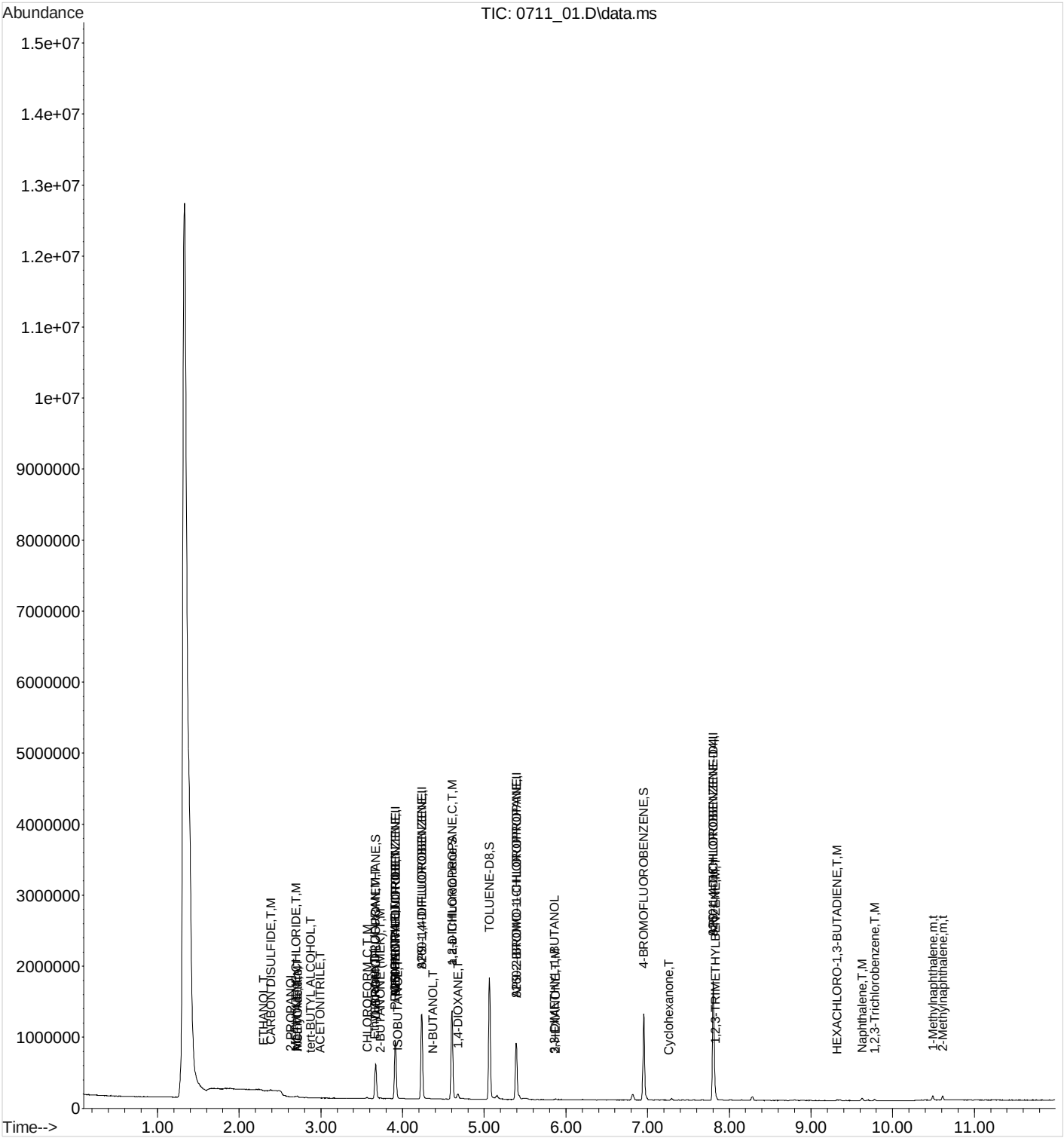
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	2.300	45	594	7.8450633 ppb #	32
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.628	45	895	1.9113026 ppb #	58
100)	Methyl Acetate	2.711	43	18027	3.1501419 ppb #	56
101)	ACETONITRILE	2.988	41	1552	1.8815835 ppb #	35
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.872	59	1243	1.3578458 ppb #	1
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	3.904	54	572	0.5538517 ppb #	1
107)	Ethyl Acetate	3.656	43	2401	0.3738165 ppb #	68
108)	METHACRYLONITRILE	3.910	67	1846	0.6077855 ppb #	18
109)	Cyclohexane	0.000		0	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.939	43	929	1.9035663 ppb #	20
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	
115)	N-BUTANOL	4.373	56	757	2.7939770 ppb #	1
116)	Methyl Cyclohexane	4.235	83	8800	Below Cal #	35
117)	2-nitropropane	5.232	43	509	N.D.	
118)	METHYL METHACRYLATE	4.589	41	633	N.D.	
119)	1,4-DIOXANE	4.679	88	46435	763.5059121 ppb	93
120)	n-octane	4.846	85	697	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.859	57	736	0.9274027 ppb #	1
123)	ETHYL METHACRYLATE	5.428	69	925	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	7.258	55	687	0.4100633 ppb #	59
126)	PENTACHLOROETHANE	7.377	117	876	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
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Quant Time: Jul 12 17:14:55 2014
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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.910	168	423656	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	755527	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	135967	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	373465	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.910	168	423656	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	755527	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	135967	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	373465	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	245976	40.8025720 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 102.01%		
46) a,a,a-Trifluorotoluene	4.605	146	429020	41.5055492 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 103.76%		
50) TOLUENE-D8	5.065	98	955376	39.4920385 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 98.73%		
68) 4-BROMOFLUOROBENZENE	6.952	95	382910	42.5823386 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 106.46%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -8683364		No Calib	
3) PROPENE	0.000		0	N.D.	
4) DICHLORODIFLUOROMETHANE	1.476	85	865	N.D.	
5) CHLOROMETHANE	1.586	50	3497	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	0.000		0	N.D.	
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.711	43	19447	9.3006349 ppb	96
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.386	76	20706	0.5841966 ppb #	82
19) METHYLENE CHLORIDE	2.692	84	3880	0.3922079 ppb	90
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	2.792	56	517	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.258	43	564	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	3.496	96	685	N.D.	
29) 2-BUTANONE (MEK)	3.730	43	7748	2.2861666 ppb #	86
30) BROMOCHLOROMETHANE	3.538	130	537	N.D.	
31) TETRAHYDROFURAN	3.666	42	1120	0.4301738 ppb #	65
32) CHLOROFORM	3.566	83	7363	0.4658779 ppb #	94
34) 1,1,1-TRICHLOROETHANE	3.682	97	585	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.837	75	705	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.817	57	773	N.D.	
38) HEPTANE	3.939	43	929	N.D.	
39) BENZENE	3.904	78	1441	N.D.	
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	4.232	130	516	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	7961	1.2237033 ppb #	1
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	0.000		0	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	831	N.D.	
51) TOLUENE	5.090	91	1941	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.390	97	691	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	1630	N.D.	
57) 2-HEXANONE	5.872	58	1945	0.6389548 ppb #	34
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.100	112	736	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	6.126	133	505	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	6.206	106	1613	N.D.	
64) O-XYLENE	6.512	106	756	N.D.	
65) STYRENE	6.550	104	1154	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.730	105	2295	N.D.	
69) Bromobenzene	7.042	77	954	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.052	83	515	N.D.	
71) 1,2,3-TRICHLOROPROPANE	7.203	110	629	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	7.039	91	3570	N.D.	
74) 4-ETHYLTOLUENE	7.119	105	2442	N.D.	
75) 2-Chlorotoluene	7.168	126	559	N.D.	
76) 4-Chlorotoluene	7.290	91	1903	N.D.	
77) 1,3,5-Trimethylbenzene	7.180	105	2721	N.D.	
78) tert-Butylbenzene	7.428	119	2108	N.D.	
79) 1,2,4-Trimethylbenzene	7.479	105	4479	N.D.	
80) sec-Butylbenzene	7.563	105	4921	N.D.	
81) 1,3-DICHLOROBENZENE	7.750	146	1830	N.D.	
82) p-Isopropyltoluene	7.669	119	3788	N.D.	
83) DICYCLOPENTADIENE	7.666	66	2518	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	2572	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.830	105	28464	0.7913795 ppb #	46
87) 1,2-DICHLOROBENZENE	8.151	146	2040	N.D.	
88) n-Butylbenzene	8.007	91	6232	N.D.	
89) 1,2-Dibromo-3-chloropr...	8.795	157	533	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	2867	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	9.322	225	1972	0.3371561 ppb	95
92) Naphthalene	9.624	128	18712	0.7254761 ppb	96
93) 1,2,3-Trichlorobenzene	9.782	180	4767	0.4794349 ppb	97
94) 1-Methylnaphthalene	10.492	142	25263	1.8467120 ppb	97
95) 2-Methylnaphthalene	10.614	142	22432	2.0227963 ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

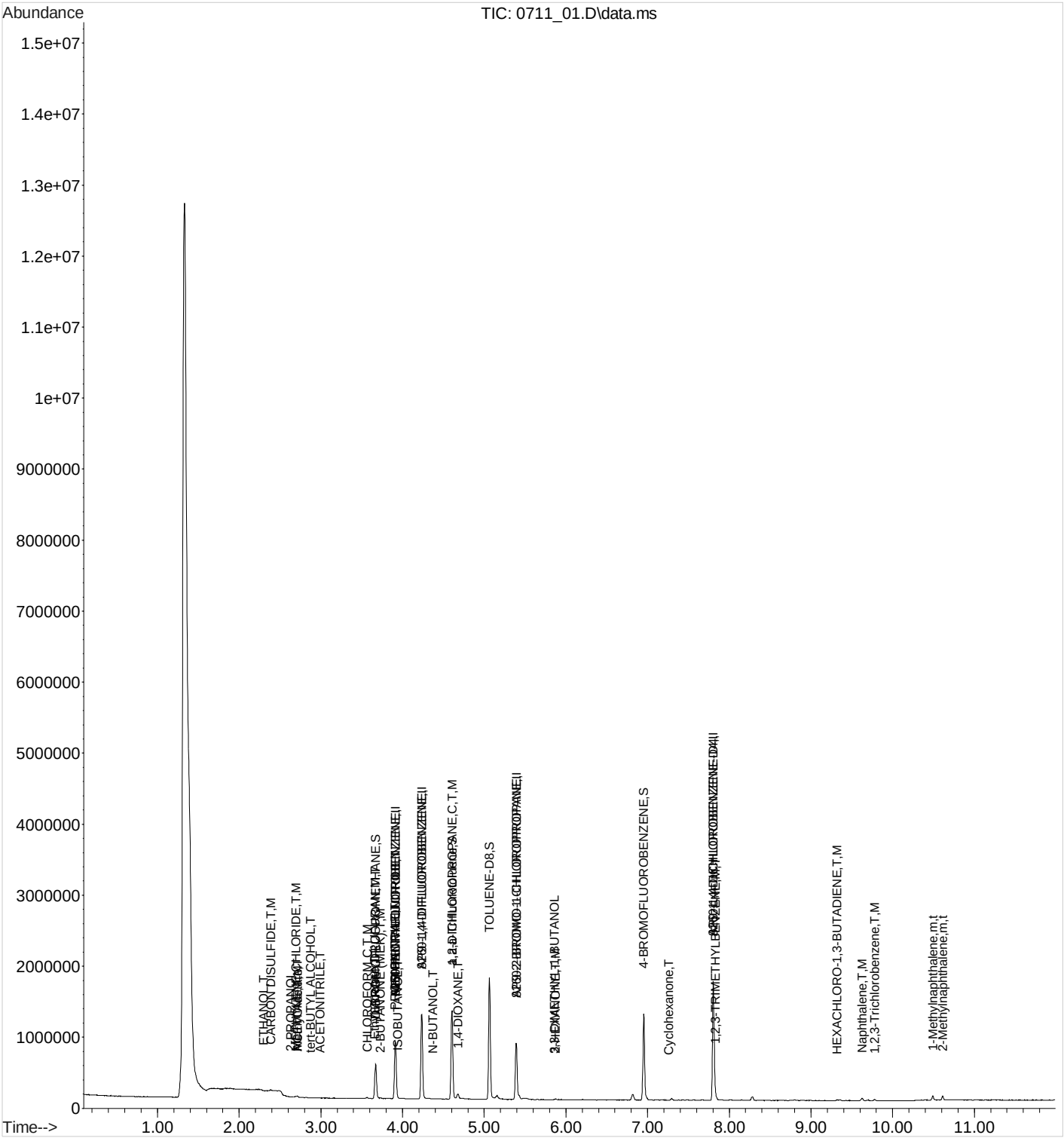
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	2.300	45	594	7.8450633 ppb #	32
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.628	45	895	1.9113026 ppb #	58
100)	Methyl Acetate	2.711	43	18027	3.1501419 ppb #	56
101)	ACETONITRILE	2.988	41	1552	1.8815835 ppb #	35
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.872	59	1243	1.3578458 ppb #	1
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	3.904	54	572	0.5538517 ppb #	1
107)	Ethyl Acetate	3.656	43	2401	0.3738165 ppb #	68
108)	METHACRYLONITRILE	3.910	67	1846	0.6077855 ppb #	18
109)	Cyclohexane	0.000		0	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.939	43	929	1.9035663 ppb #	20
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	
115)	N-BUTANOL	4.373	56	757	2.7939770 ppb #	1
116)	Methyl Cyclohexane	4.235	83	8800	Below Cal #	35
117)	2-nitropropane	5.232	43	509	N.D.	
118)	METHYL METHACRYLATE	4.589	41	633	N.D.	
119)	1,4-DIOXANE	4.679	88	46435	763.5059121 ppb	93
120)	n-octane	4.846	85	697	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.859	57	736	0.9274027 ppb #	1
123)	ETHYL METHACRYLATE	5.428	69	925	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	7.258	55	687	0.4100633 ppb #	59
126)	PENTACHLOROETHANE	7.377	117	876	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 01.D
Acq On : 11 Jul 2014 9:23 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:55 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
Acq On : 11 Jul 2014 5:08 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:38 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	491186	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	872726	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	153949	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	346777	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	491186	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	872726	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	153949	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	346777	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	270902	38.7591637 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 96.90%		
46) a,a,a-Trifluorotoluene	4.608	146	479154	40.1306154 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 100.33%		
50) TOLUENE-D8	5.065	98	1085203	38.8345507 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.09%		
68) 4-BROMOFLUOROBENZENE	6.956	95	378222	37.1480679 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 92.87%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7943990		No Calib	
3) PROPENE	1.406	41	1228	0.4408596 ppb #	70
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.592	50	2175	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.621	39	3033	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	0.000		0	N.D.	
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.715	43	11648	4.8048377 ppb	96
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.387	76	17722	0.4312637 ppb #	82
19) METHYLENE CHLORIDE	2.692	84	4701	0.4098664 ppb #	79
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	0.000		0	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.280	43	564	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.737	43	3784	0.9630232 ppb	100
30) BROMOCHLOROMETHANE	3.538	130	540	N.D.	
31) TETRAHYDROFURAN	3.663	42	542	N.D.	
32) CHLOROFORM	3.570	83	12586	0.6868667 ppb #	92
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
Acq On : 11 Jul 2014 5:08 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:38 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.840	75	764	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
38) HEPTANE	3.917	43	736	N.D.	
39) BENZENE	3.904	78	960	N.D.	
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	9123	1.2139988 ppb #	60
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.602	83	1012	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
51) TOLUENE	5.097	91	3213	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	1068	N.D.	
57) 2-HEXANONE	5.872	58	670	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.116	112	620	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	6.213	106	749	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	6.566	104	930	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.753	105	573	N.D.	
69) Bromobenzene	6.952	77	2053	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	7.042	91	1203	N.D.	
74) 4-ETHYLTOLUENE	7.126	105	763	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.399	91	560	N.D.	
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
78) tert-Butylbenzene	0.000		0	N.D.	
79) 1,2,4-Trimethylbenzene	7.489	105	894	N.D.	
80) sec-Butylbenzene	7.637	105	994	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	0.000		0	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.820	146	895	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.833	105	9761	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	7.888	91	1136	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	548	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	2999	N.D.	
93) 1,2,3-Trichlorobenzene	9.785	180	644	N.D.	
94) 1-Methylnaphthalene	10.496	142	3354	N.D.	
95) 2-Methylnaphthalene	10.618	142	2867	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
Acq On : 11 Jul 2014 5:08 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:38 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

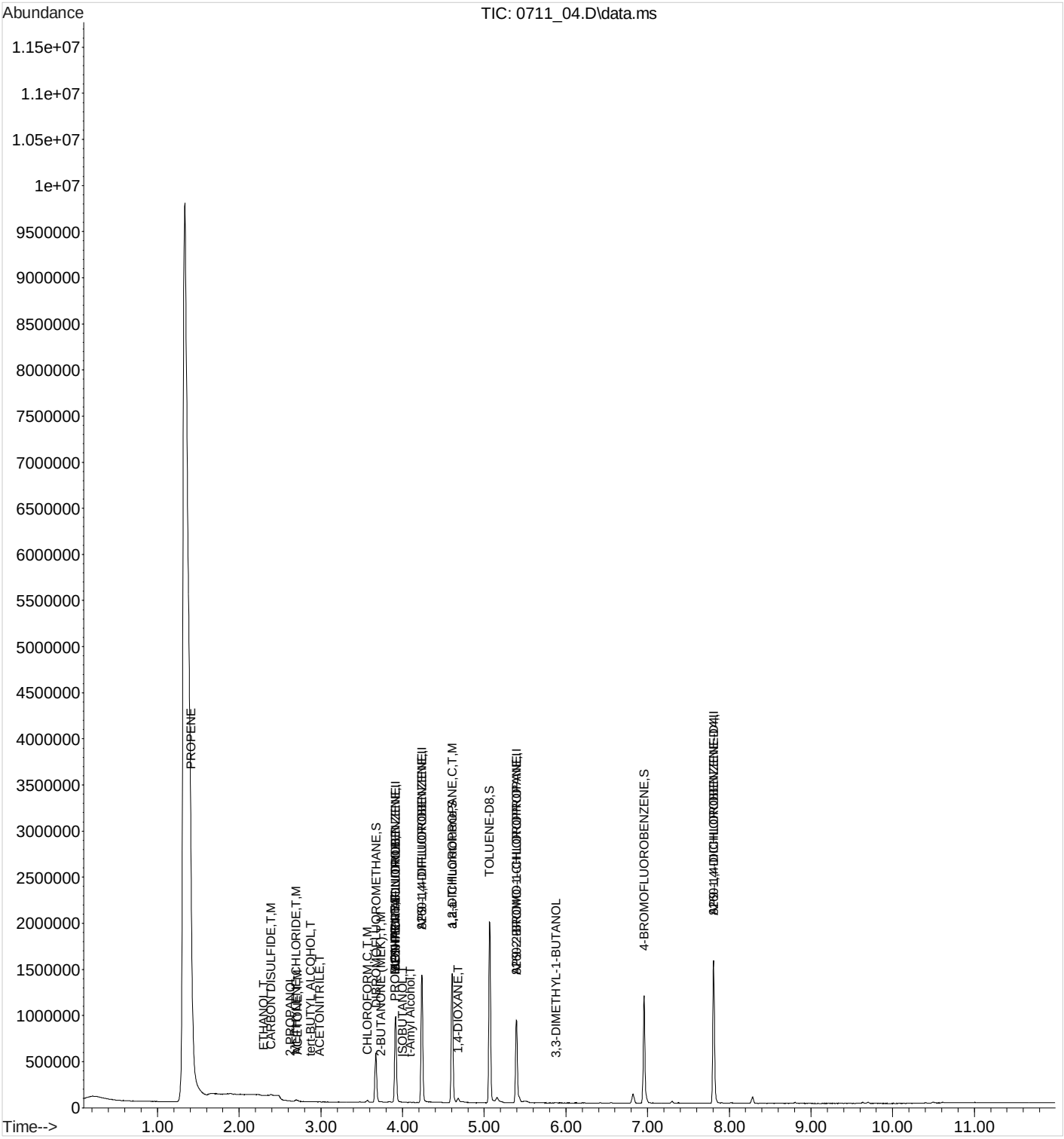
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	2.300	45	608	6.9259758 ppb #	32
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.624	45	1251	2.3042580 ppb #	1
100)	Methyl Acetate	2.792	43	880	N.D.	
101)	ACETONITRILE	2.985	41	604	0.6315912 ppb #	6
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.872	59	576	0.5427117 ppb #	1
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	3.904	54	622	0.5194638 ppb #	1
107)	Ethyl Acetate	3.663	43	899	N.D.	
108)	METHACRYLONITRILE	3.911	67	1460	0.4146092 ppb #	1
109)	Cyclohexane	0.000		0	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.997	43	827	1.4615888 ppb #	20
112)	t-Amyl Alcohol	4.097	59	624	0.7517425 ppb #	28
113)	TERT-AMYL METHYL ETHER	3.911	73	576	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	9581	Below Cal #	49
117)	2-nitropropane	5.239	43	742	N.D.	
118)	METHYL METHACRYLATE	4.605	41	609	N.D.	
119)	1,4-DIOXANE	4.679	88	28501	383.1914538 ppb	95
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.878	57	645	0.7035944 ppb #	15
123)	ETHYL METHACRYLATE	5.383	69	513	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.373	117	758	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
Acq On : 11 Jul 2014 5:08 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:38 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
Acq On : 11 Jul 2014 5:08 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:38 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	491186	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	872726	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	153949	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	346777	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	491186	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	872726	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	153949	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	346777	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	270902	38.7591637 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 96.90%		
46) a,a,a-Trifluorotoluene	4.608	146	479154	40.1306154 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 100.33%		
50) TOLUENE-D8	5.065	98	1085203	38.8345507 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.09%		
68) 4-BROMOFLUOROBENZENE	6.956	95	378222	37.1480679 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 92.87%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7943990		No Calib	
3) PROPENE	1.406	41	1228	0.4408596 ppb #	70
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.592	50	2175	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.621	39	3033	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	0.000		0	N.D.	
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.715	43	11648	4.8048377 ppb	96
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.387	76	17722	0.4312637 ppb #	82
19) METHYLENE CHLORIDE	2.692	84	4701	0.4098664 ppb #	79
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	0.000		0	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.280	43	564	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.737	43	3784	0.9630232 ppb	100
30) BROMOCHLOROMETHANE	3.538	130	540	N.D.	
31) TETRAHYDROFURAN	3.663	42	542	N.D.	
32) CHLOROFORM	3.570	83	12586	0.6868667 ppb #	92
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
Acq On : 11 Jul 2014 5:08 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:38 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.840	75	764	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
38) HEPTANE	3.917	43	736	N.D.	
39) BENZENE	3.904	78	960	N.D.	
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	9123	1.2139988 ppb #	60
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.602	83	1012	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
51) TOLUENE	5.097	91	3213	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	1068	N.D.	
57) 2-HEXANONE	5.872	58	670	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.116	112	620	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	6.213	106	749	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	6.566	104	930	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.753	105	573	N.D.	
69) Bromobenzene	6.952	77	2053	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	7.042	91	1203	N.D.	
74) 4-ETHYLTOLUENE	7.126	105	763	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.399	91	560	N.D.	
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
78) tert-Butylbenzene	0.000		0	N.D.	
79) 1,2,4-Trimethylbenzene	7.489	105	894	N.D.	
80) sec-Butylbenzene	7.637	105	994	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	0.000		0	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.820	146	895	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.833	105	9761	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	7.888	91	1136	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	548	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	2999	N.D.	
93) 1,2,3-Trichlorobenzene	9.785	180	644	N.D.	
94) 1-Methylnaphthalene	10.496	142	3354	N.D.	
95) 2-Methylnaphthalene	10.618	142	2867	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
Acq On : 11 Jul 2014 5:08 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:38 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

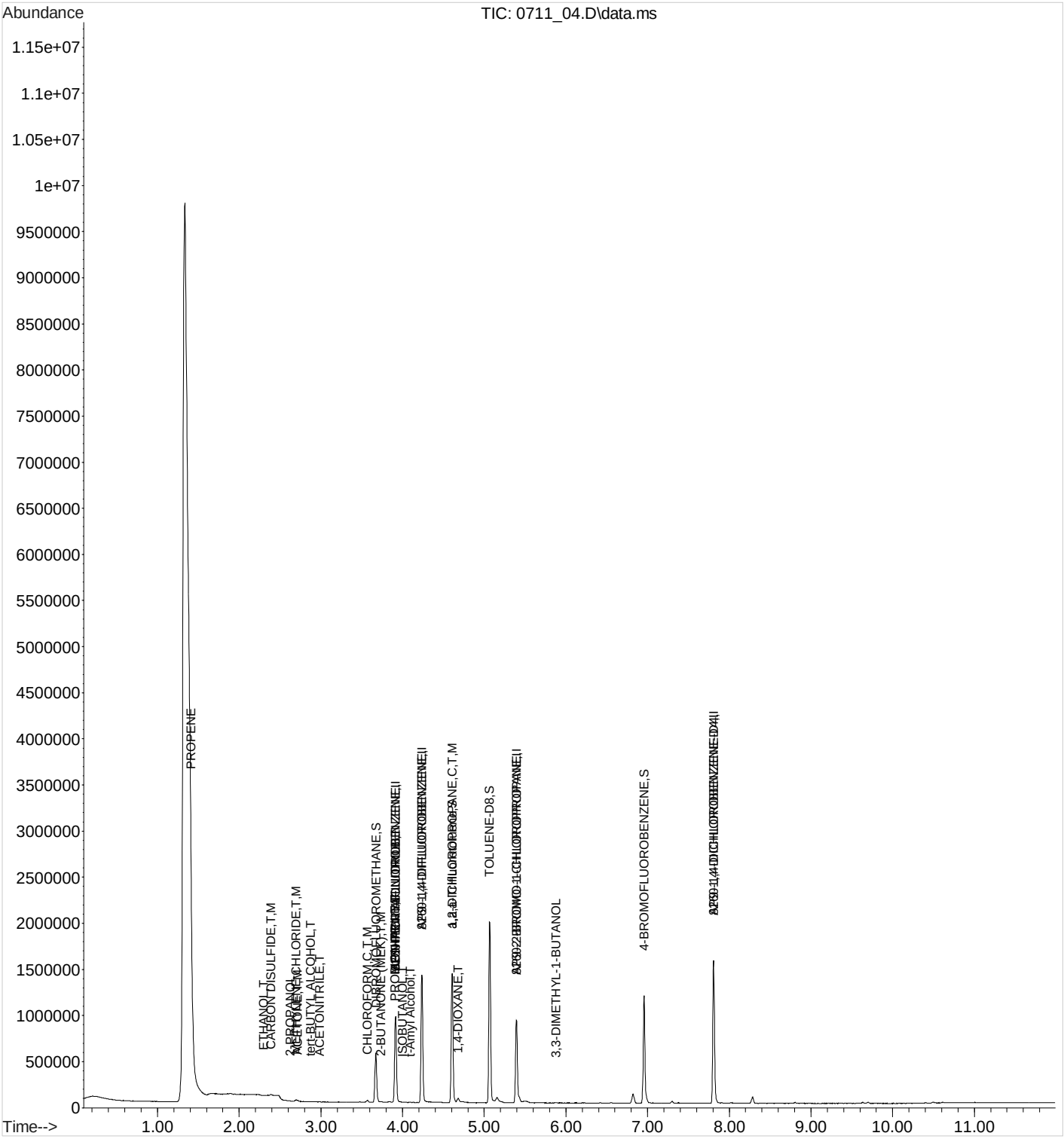
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	2.300	45	608	6.9259758 ppb #	32
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.624	45	1251	2.3042580 ppb #	1
100)	Methyl Acetate	2.792	43	880	N.D.	
101)	ACETONITRILE	2.985	41	604	0.6315912 ppb #	6
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.872	59	576	0.5427117 ppb #	1
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	3.904	54	622	0.5194638 ppb #	1
107)	Ethyl Acetate	3.663	43	899	N.D.	
108)	METHACRYLONITRILE	3.911	67	1460	0.4146092 ppb #	1
109)	Cyclohexane	0.000		0	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.997	43	827	1.4615888 ppb #	20
112)	t-Amyl Alcohol	4.097	59	624	0.7517425 ppb #	28
113)	TERT-AMYL METHYL ETHER	3.911	73	576	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	9581	Below Cal #	49
117)	2-nitropropane	5.239	43	742	N.D.	
118)	METHYL METHACRYLATE	4.605	41	609	N.D.	
119)	1,4-DIOXANE	4.679	88	28501	383.1914538 ppb	95
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.878	57	645	0.7035944 ppb #	15
123)	ETHYL METHACRYLATE	5.383	69	513	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.373	117	758	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
Acq On : 11 Jul 2014 5:08 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:38 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
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Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	491186	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	872726	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	153949	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	346777	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	491186	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	872726	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	153949	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	346777	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	270902	38.7591637 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 96.90%		
46) a,a,a-Trifluorotoluene	4.608	146	479154	40.1306154 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 100.33%		
50) TOLUENE-D8	5.065	98	1085203	38.8345507 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.09%		
68) 4-BROMOFLUOROBENZENE	6.956	95	378222	37.1480679 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 92.87%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7943990		No Calib	
3) PROPENE	1.406	41	1228	0.4408596 ppb #	70
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.592	50	2175	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.621	39	3033	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	0.000		0	N.D.	
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.715	43	11648	4.8048377 ppb	96
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.387	76	17722	0.4312637 ppb #	82
19) METHYLENE CHLORIDE	2.692	84	4701	0.4098664 ppb #	79
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	0.000		0	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.280	43	564	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.737	43	3784	0.9630232 ppb	100
30) BROMOCHLOROMETHANE	3.538	130	540	N.D.	
31) TETRAHYDROFURAN	3.663	42	542	N.D.	
32) CHLOROFORM	3.570	83	12586	0.6868667 ppb #	92
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
Acq On : 11 Jul 2014 5:08 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:38 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.840	75	764	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
38) HEPTANE	3.917	43	736	N.D.	
39) BENZENE	3.904	78	960	N.D.	
40) 1,2-DICHLOROETHANE	0.000		0	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	9123	1.2139988 ppb #	60
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.602	83	1012	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
51) TOLUENE	5.097	91	3213	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	1068	N.D.	
57) 2-HEXANONE	5.872	58	670	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	6.116	112	620	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	6.213	106	749	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	6.566	104	930	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.753	105	573	N.D.	
69) Bromobenzene	6.952	77	2053	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	7.042	91	1203	N.D.	
74) 4-ETHYLTOLUENE	7.126	105	763	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.399	91	560	N.D.	
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
78) tert-Butylbenzene	0.000		0	N.D.	
79) 1,2,4-Trimethylbenzene	7.489	105	894	N.D.	
80) sec-Butylbenzene	7.637	105	994	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	0.000		0	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.820	146	895	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.833	105	9761	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	7.888	91	1136	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	9.354	180	548	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	2999	N.D.	
93) 1,2,3-Trichlorobenzene	9.785	180	644	N.D.	
94) 1-Methylnaphthalene	10.496	142	3354	N.D.	
95) 2-Methylnaphthalene	10.618	142	2867	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
Acq On : 11 Jul 2014 5:08 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:38 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

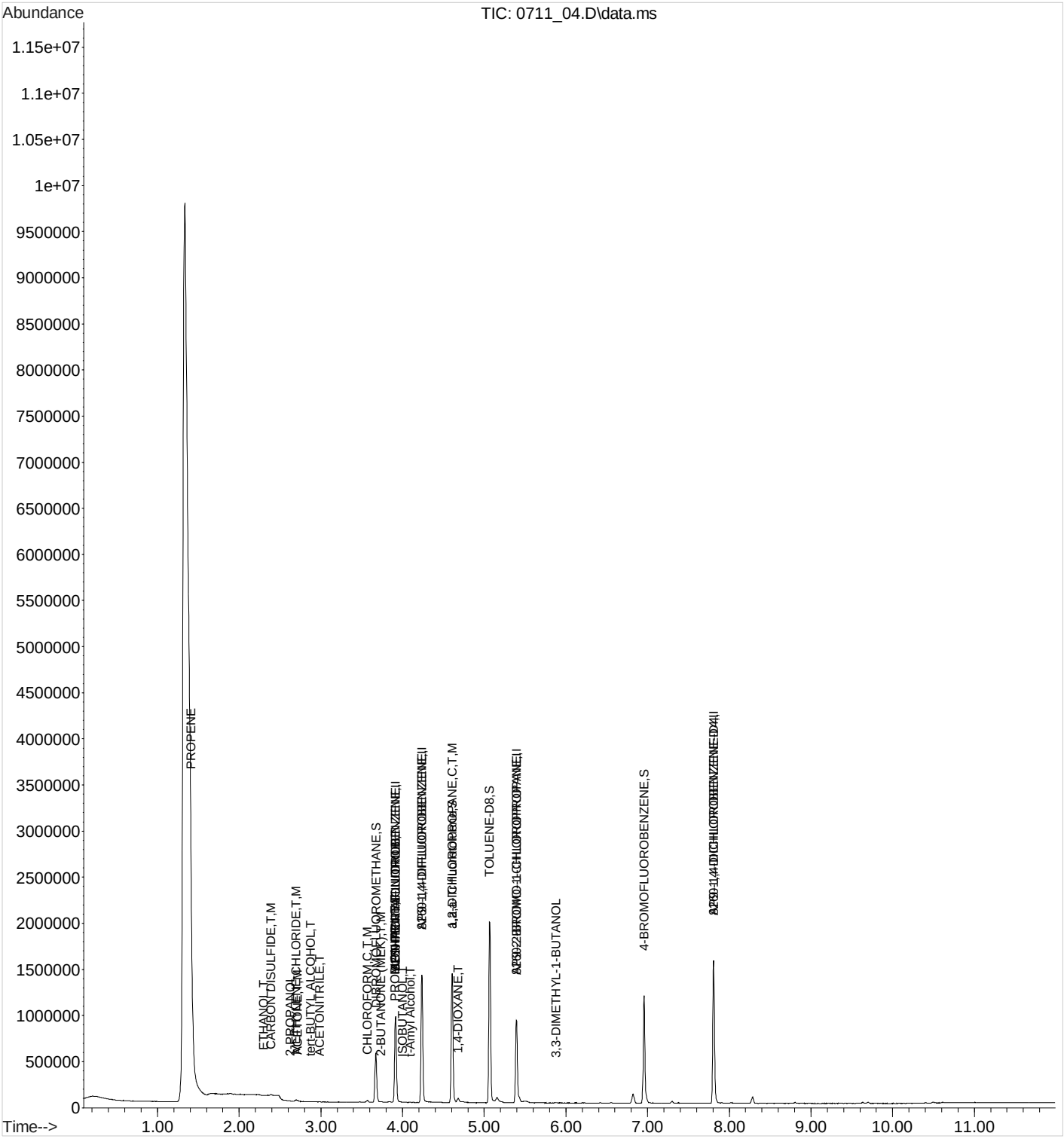
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	2.300	45	608	6.9259758 ppb #	32
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	2.624	45	1251	2.3042580 ppb #	1
100)	Methyl Acetate	2.792	43	880	N.D.	
101)	ACETONITRILE	2.985	41	604	0.6315912 ppb #	6
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.872	59	576	0.5427117 ppb #	1
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	3.904	54	622	0.5194638 ppb #	1
107)	Ethyl Acetate	3.663	43	899	N.D.	
108)	METHACRYLONITRILE	3.911	67	1460	0.4146092 ppb #	1
109)	Cyclohexane	0.000		0	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.997	43	827	1.4615888 ppb #	20
112)	t-Amyl Alcohol	4.097	59	624	0.7517425 ppb #	28
113)	TERT-AMYL METHYL ETHER	3.911	73	576	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	9581	Below Cal #	49
117)	2-nitropropane	5.239	43	742	N.D.	
118)	METHYL METHACRYLATE	4.605	41	609	N.D.	
119)	1,4-DIOXANE	4.679	88	28501	383.1914538 ppb	95
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.878	57	645	0.7035944 ppb #	15
123)	ETHYL METHACRYLATE	5.383	69	513	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.373	117	758	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 04.D
Acq On : 11 Jul 2014 5:08 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:38 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 05.D
Acq On : 11 Jul 2014 5:28 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:24 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	496873	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.239	114	887137	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	156546	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	374711	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	496873	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.239	114	887137	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	156546	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	374711	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	275618	38.9825591 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 97.46%		
46) a,a,a-Trifluorotoluene	4.608	146	481073	39.6368293 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 99.09%		
50) TOLUENE-D8	5.068	98	1122063	39.5013341 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 98.75%		
68) 4-BROMOFLUOROBENZENE	6.956	95	395248	38.1763164 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 95.44%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7934114		No Calib	
3) PROPENE	1.409	41	1991	0.7066003 ppb #	49
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	527	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.621	39	2537	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	2.091	67	589	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	0.000		0	N.D.	
14) 1,1-DICHLOROETHENE	2.313	61	532	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.718	43	6302	2.5698415 ppb	99
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.387	76	9878	N.D.	
19) METHYLENE CHLORIDE	2.695	84	9132	0.7870793 ppb	95
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	2.814	56	507	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	0.000		0	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.734	43	1000	N.D.	
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.663	42	1664	0.5449382 ppb #	34
32) CHLOROFORM	3.570	83	14535	0.7841522 ppb	100
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 05.D
Acq On : 11 Jul 2014 5:28 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:24 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.843	75	784	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
38) HEPTANE	3.859	43	520	N.D.	
39) BENZENE	3.904	78	1169	N.D.	
40) 1,2-DICHLOROETHANE	3.914	62	2059	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.608	62	8922	1.1679655 ppb #	54
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.608	83	1081	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
51) TOLUENE	5.100	91	2038	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.650	76	930	N.D.	
57) 2-HEXANONE	0.000		0	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	0.000		0	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	0.000		0	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.766	105	570	N.D.	
69) Bromobenzene	6.959	77	2016	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	6.959	91	1375	N.D.	
74) 4-ETHYLTOLUENE	7.110	105	899	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.467	91	514	N.D.	
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
78) tert-Butylbenzene	0.000		0	N.D.	
79) 1,2,4-Trimethylbenzene	7.489	105	1005	N.D.	
80) sec-Butylbenzene	7.489	105	1005	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	0.000		0	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	616	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.837	105	2244	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	8.020	91	717	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	2356	N.D.	
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	
94) 1-Methylnaphthalene	10.496	142	1431	N.D.	
95) 2-Methylnaphthalene	10.615	142	850	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 05.D
Acq On : 11 Jul 2014 5:28 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:24 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

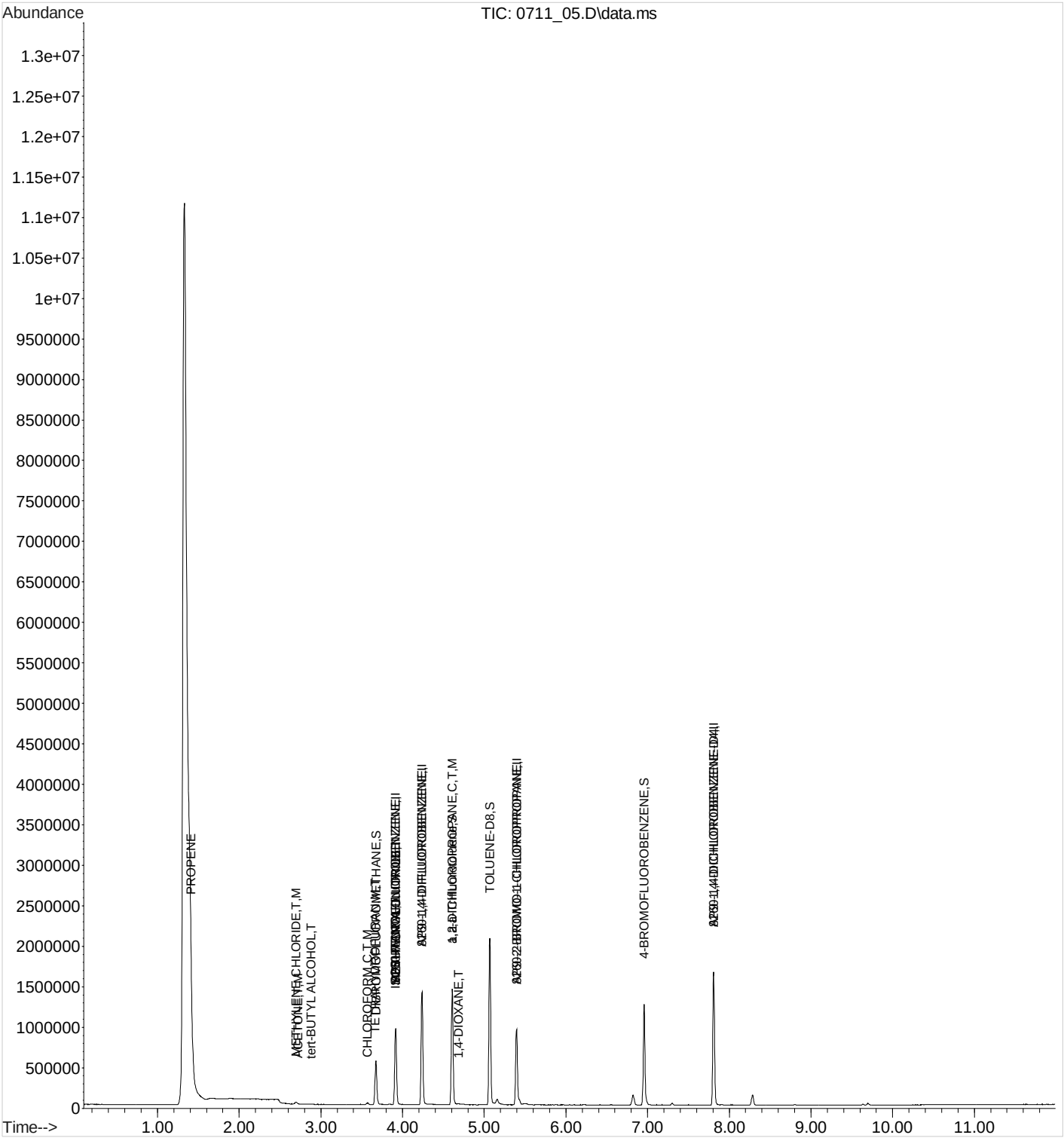
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.782	43	555	N.D.	
101)	ACETONITRILE	0.000		0	N.D.	
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.879	59	1684	1.5685175 ppb #	62
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.563	43	652	N.D.	
108)	METHACRYLONITRILE	3.917	67	1840	0.5165406 ppb #	3
109)	Cyclohexane	3.573	84	549	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.911	43	1746	3.0504542 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	9659	Below Cal #	43
117)	2-nitropropane	5.248	43	786	N.D.	
118)	METHYL METHACRYLATE	0.000		0	N.D.	
119)	1,4-DIOXANE	4.682	88	4654	21.2518643 ppb #	91
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 05.D
Acq On : 11 Jul 2014 5:28 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:24 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
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Acq On : 11 Jul 2014 5:28 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
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QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	496873	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.239	114	887137	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	156546	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	374711	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	496873	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.239	114	887137	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	156546	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	374711	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	275618	38.9825591 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 97.46%		
46) a,a,a-Trifluorotoluene	4.608	146	481073	39.6368293 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 99.09%		
50) TOLUENE-D8	5.068	98	1122063	39.5013341 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 98.75%		
68) 4-BROMOFLUOROBENZENE	6.956	95	395248	38.1763164 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 95.44%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7934114		No Calib	
3) PROPENE	1.409	41	1991	0.7066003 ppb #	49
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	527	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.621	39	2537	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	2.091	67	589	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	0.000		0	N.D.	
14) 1,1-DICHLOROETHENE	2.313	61	532	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.718	43	6302	2.5698415 ppb	99
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.387	76	9878	N.D.	
19) METHYLENE CHLORIDE	2.695	84	9132	0.7870793 ppb	95
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	2.814	56	507	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	0.000		0	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.734	43	1000	N.D.	
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.663	42	1664	0.5449382 ppb #	34
32) CHLOROFORM	3.570	83	14535	0.7841522 ppb	100
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 05.D
Acq On : 11 Jul 2014 5:28 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:24 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.843	75	784	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
38) HEPTANE	3.859	43	520	N.D.	
39) BENZENE	3.904	78	1169	N.D.	
40) 1,2-DICHLOROETHANE	3.914	62	2059	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.608	62	8922	1.1679655 ppb #	54
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.608	83	1081	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
51) TOLUENE	5.100	91	2038	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.650	76	930	N.D.	
57) 2-HEXANONE	0.000		0	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	0.000		0	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	0.000		0	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.766	105	570	N.D.	
69) Bromobenzene	6.959	77	2016	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	6.959	91	1375	N.D.	
74) 4-ETHYLTOLUENE	7.110	105	899	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.467	91	514	N.D.	
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
78) tert-Butylbenzene	0.000		0	N.D.	
79) 1,2,4-Trimethylbenzene	7.489	105	1005	N.D.	
80) sec-Butylbenzene	7.489	105	1005	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	0.000		0	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	616	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.837	105	2244	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	8.020	91	717	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	2356	N.D.	
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	
94) 1-Methylnaphthalene	10.496	142	1431	N.D.	
95) 2-Methylnaphthalene	10.615	142	850	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 05.D
Acq On : 11 Jul 2014 5:28 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:24 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

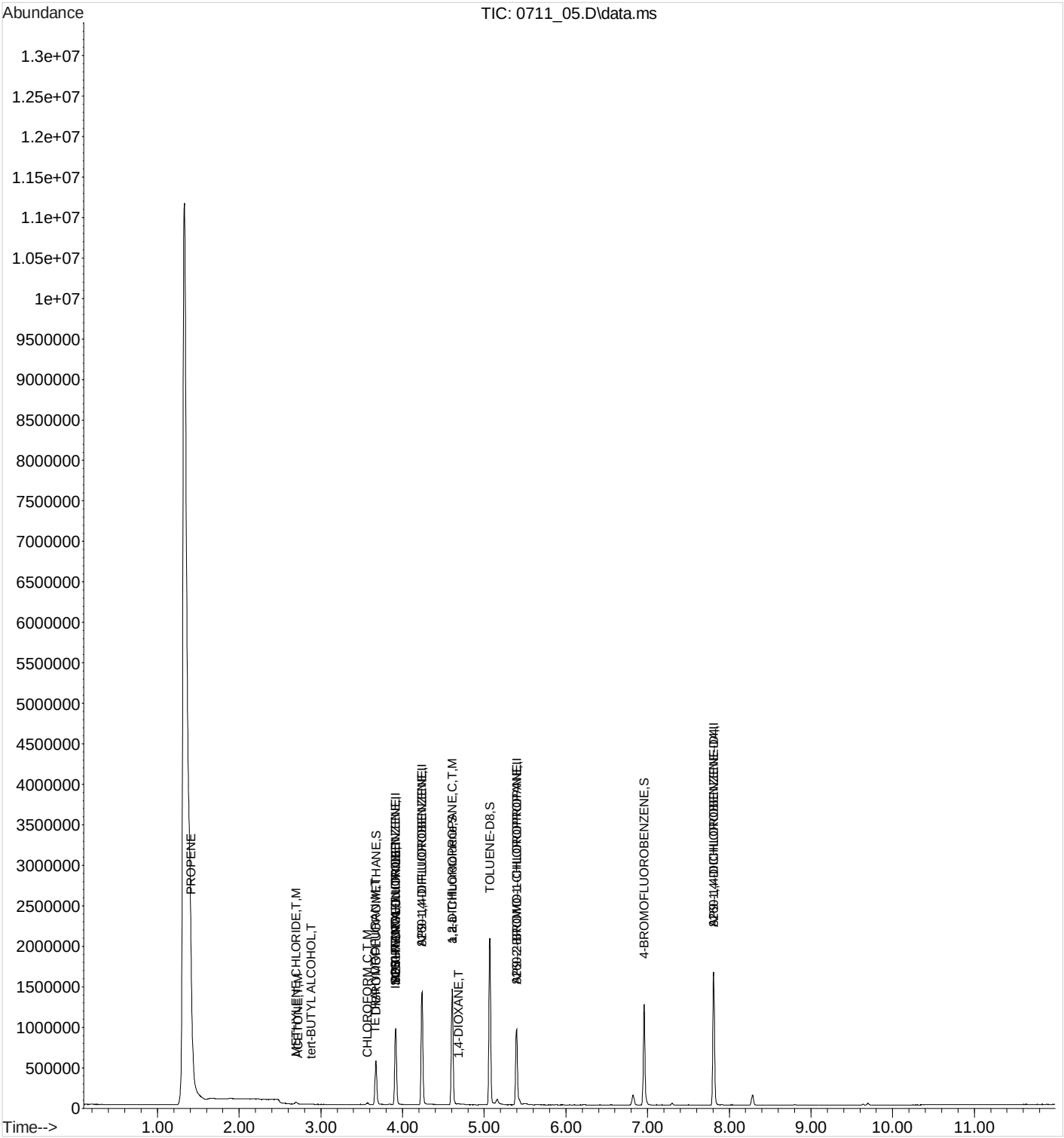
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.782	43	555	N.D.	
101)	ACETONITRILE	0.000		0	N.D.	
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.879	59	1684	1.5685175 ppb #	62
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.563	43	652	N.D.	
108)	METHACRYLONITRILE	3.917	67	1840	0.5165406 ppb #	3
109)	Cyclohexane	3.573	84	549	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.911	43	1746	3.0504542 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	9659	Below Cal #	43
117)	2-nitropropane	5.248	43	786	N.D.	
118)	METHYL METHACRYLATE	0.000		0	N.D.	
119)	1,4-DIOXANE	4.682	88	4654	21.2518643 ppb #	91
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 05.D
Acq On : 11 Jul 2014 5:28 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:24 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 05.D
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QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	496873	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.239	114	887137	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.396	79	156546	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	374711	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	496873	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.239	114	887137	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.396	79	156546	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	374711	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	275618	38.9825591 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 97.46%		
46) a,a,a-Trifluorotoluene	4.608	146	481073	39.6368293 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 99.09%		
50) TOLUENE-D8	5.068	98	1122063	39.5013341 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 98.75%		
68) 4-BROMOFLUOROBENZENE	6.956	95	395248	38.1763164 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 95.44%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7934114		No Calib	
3) PROPENE	1.409	41	1991	0.7066003 ppb #	49
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	527	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	1.621	39	2537	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	2.091	67	589	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	0.000		0	N.D.	
14) 1,1-DICHLOROETHENE	2.313	61	532	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.718	43	6302	2.5698415 ppb	99
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.387	76	9878	N.D.	
19) METHYLENE CHLORIDE	2.695	84	9132	0.7870793 ppb	95
20) ACRYLONITRILE	0.000		0	N.D.	
21) n-Hexane	2.814	56	507	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	0.000		0	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.734	43	1000	N.D.	
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.663	42	1664	0.5449382 ppb #	34
32) CHLOROFORM	3.570	83	14535	0.7841522 ppb	100
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 05.D
Acq On : 11 Jul 2014 5:28 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:24 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.843	75	784	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
38) HEPTANE	3.859	43	520	N.D.	
39) BENZENE	3.904	78	1169	N.D.	
40) 1,2-DICHLOROETHANE	3.914	62	2059	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.608	62	8922	1.1679655 ppb #	54
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.608	83	1081	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
51) TOLUENE	5.100	91	2038	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.650	76	930	N.D.	
57) 2-HEXANONE	0.000		0	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	0.000		0	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	0.000		0	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.766	105	570	N.D.	
69) Bromobenzene	6.959	77	2016	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
73) n-Propylbenzene	6.959	91	1375	N.D.	
74) 4-ETHYLTOLUENE	7.110	105	899	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	7.467	91	514	N.D.	
77) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
78) tert-Butylbenzene	0.000		0	N.D.	
79) 1,2,4-Trimethylbenzene	7.489	105	1005	N.D.	
80) sec-Butylbenzene	7.489	105	1005	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	0.000		0	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	616	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.837	105	2244	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	8.020	91	717	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	2356	N.D.	
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	
94) 1-Methylnaphthalene	10.496	142	1431	N.D.	
95) 2-Methylnaphthalene	10.615	142	850	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 05.D
Acq On : 11 Jul 2014 5:28 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:24 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

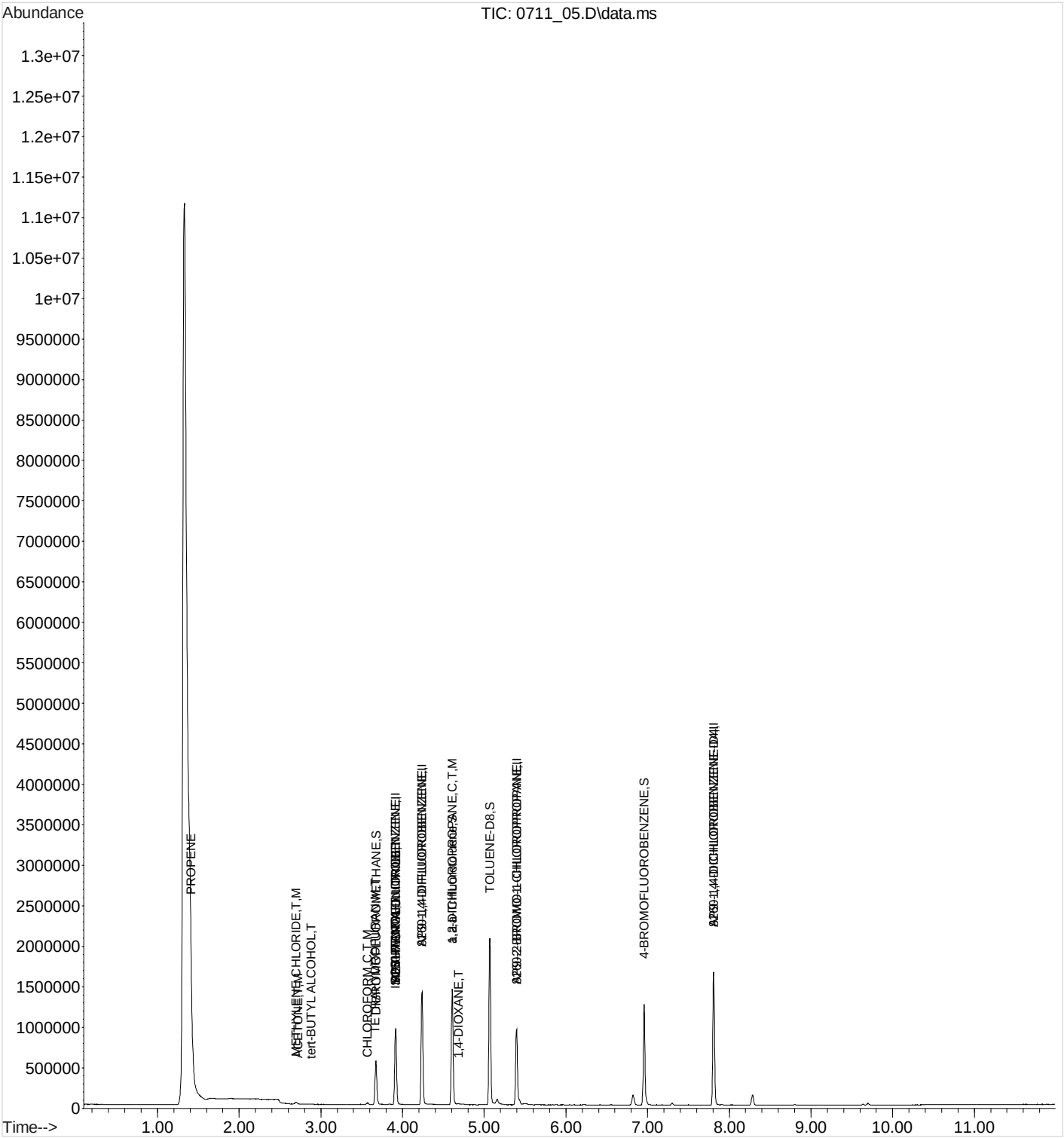
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.782	43	555	N.D.	
101)	ACETONITRILE	0.000		0	N.D.	
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.879	59	1684	1.5685175 ppb #	62
104)	chloroprene	0.000		0	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.563	43	652	N.D.	
108)	METHACRYLONITRILE	3.917	67	1840	0.5165406 ppb #	3
109)	Cyclohexane	3.573	84	549	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.911	43	1746	3.0504542 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	9659	Below Cal #	43
117)	2-nitropropane	5.248	43	786	N.D.	
118)	METHYL METHACRYLATE	0.000		0	N.D.	
119)	1,4-DIOXANE	4.682	88	4654	21.2518643 ppb #	91
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 05.D
Acq On : 11 Jul 2014 5:28 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:14:24 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 18.D
Acq On : 11 Jul 2014 9:49 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.914	168	464598	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	827100	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	141726	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	363479	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	464598	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	827100	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	141726	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	363479	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.670	111	260851	39.4569341	ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 98.64%			
46) a,a,a-Trifluorotoluene	4.605	146	463907	40.9969474	ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.49%			
50) TOLUENE-D8	5.065	98	1039152	39.2379465	ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 98.09%			
68) 4-BROMOFLUOROBENZENE	6.952	95	376428	40.1604625	ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 100.40%			

Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7021874		No Calib		
3) PROPENE	1.403	41	1037	0.3935948	ppb #	1
4) DICHLORODIFLUOROMETHANE	1.461	85	973	N.D.		
5) CHLOROMETHANE	1.583	50	3612	N.D.		
6) VINYL CHLORIDE	1.647	62	1583	N.D.		
7) 1,3-BUTADIENE	1.654	39	730	N.D.		
8) BROMOMETHANE	1.885	94	1352	N.D.		
9) CHLOROETHANE	0.000		0	N.D.		
10) TRICHLOROFLUOROMETHANE	2.049	101	1137	N.D.		
11) DICHLOROFLUOROMETHANE	2.081	67	1872	N.D.		
12) ETHYL ETHER	2.223	59	1501	N.D.		
13) ACROLEIN	2.551	56	8669	5.7799005	ppb #	82
14) 1,1-DICHLOROETHENE	2.358	61	1889	N.D.		
15) 1,1,2-TRICHLOROTRIFLUO...	2.383	101	1086	N.D.		
16) ACETONE	2.715	43	26804	11.6894915	ppb	96
17) IODOMETHANE	2.448	142	8470	0.5282340	ppb #	87
18) CARBON DISULFIDE	2.387	76	12127	0.3119983	ppb #	82
19) METHYLENE CHLORIDE	2.692	84	8684	0.8004616	ppb	99
20) ACRYLONITRILE	3.152	53	14197	4.8845680	ppb #	94
21) n-Hexane	2.824	56	1595	N.D.		
22) TRANS-1,2-DICHLOROETHENE	2.785	96	1094	N.D.		
23) METHYL TERT-BUTYL ETHER	2.837	73	8296	0.3269972	ppb #	55
24) 1,1-DICHLOROETHANE	3.129	63	1647	N.D.		
25) VINYL ACETATE	3.248	43	32347	1.7171392	ppb	97
26) DI-ISOPROPYL ETHER	3.039	45	4406	N.D.		
27) 2,2-Dichloropropane	3.490	77	939	N.D.		
28) CIS-1,2-DICHLOROETHENE	3.435	96	1282	N.D.		
29) 2-BUTANONE (MEK)	3.734	43	18528	4.9852027	ppb	98
30) BROMOCHLOROMETHANE	3.541	130	1819	0.3086570	ppb	90
31) TETRAHYDROFURAN	3.670	42	3823	1.3389560	ppb #	86
32) CHLOROFORM	3.570	83	15100	0.8712250	ppb	94
34) 1,1,1-TRICHLOROETHANE	3.705	97	1291	N.D.		
35) CARBON TETRACHLORIDE	3.660	117	1494	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 18.D
Acq On : 11 Jul 2014 9:49 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	1903	N.D.		
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	4763	N.D.		
38) HEPTANE	3.859	43	2171	N.D.		
39) BENZENE	3.904	78	5737	N.D.		
40) 1,2-DICHLOROETHANE	4.017	62	3412	N.D.		
42) TRICHLOROETHENE	4.232	130	2174	N.D.		
43) 1,2-DICHLOROPROPANE	4.544	62	1019	N.D.		
44) DIBROMOMETHANE	4.486	93	2404	0.4624817 ppb	#	79
45) BROMODICHLOROMETHANE	4.567	83	2131	N.D.		
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	3944	1.0132088 ppb	#	80
48) CIS-1,3-DICHLOROPROPENE	4.949	75	3655	N.D.		
49) 4-METHYL-2-PENTANONE (...	5.316	58	16840	4.8528261 ppb		98
51) TOLUENE	5.100	91	7362	N.D.		
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	1194	0.3775823 ppb	#	1
54) 1,1,2-TRICHLOROETHANE	5.460	97	2663	0.3901034 ppb	#	82
55) TETRACHLOROETHENE	5.354	164	1105	N.D.		
56) 1,3-Dichloropropane	5.647	76	6336	0.4630733 ppb	#	87
57) 2-HEXANONE	5.866	58	27656	8.7161330 ppb		87
58) CHLORODIBROMOMETHANE	5.586	129	3074	0.3826078 ppb		98
59) 1,2-DIBROMOETHANE	5.756	107	4384	0.6005556 ppb		97
60) CHLOROBENZENE	6.107	112	7890	0.3350650 ppb		92
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	2346	0.3045839 ppb	#	75
62) ETHYLBENZENE	6.110	106	2749	N.D.		
63) M&P-XYLENE	6.210	106	7787	0.4950312 ppb		98
64) O-XYLENE	6.515	106	5545	0.3481267 ppb		83
65) STYRENE	6.550	104	10620	0.4363854 ppb		97
66) Bromoform	6.586	173	4389	0.9003115 ppb		96
67) Isopropylbenzene	6.737	105	12088	0.3065176 ppb		95
69) Bromobenzene	7.039	77	11574	0.6582594 ppb		97
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	10191	1.0694414 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.203	110	5098	1.9162509 ppb	#	76
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	3656	1.3812947 ppb	#	81
73) n-Propylbenzene	7.042	91	19239	0.4135344 ppb		98
74) 4-ETHYLTOLUENE	7.123	105	16834	0.4525961 ppb		97
75) 2-Chlorotoluene	7.171	126	5434	0.5736215 ppb		80
76) 4-Chlorotoluene	7.293	91	18358	0.6657340 ppb		98
77) 1,3,5-Trimethylbenzene	7.184	105	17663	0.5442211 ppb		99
78) tert-Butylbenzene	7.428	119	16935	0.6158176 ppb		98
79) 1,2,4-Trimethylbenzene	7.483	105	23455	0.7313436 ppb		96
80) sec-Butylbenzene	7.567	105	32268	0.7522543 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	15691	0.9407427 ppb		96
82) p-Isopropyltoluene	7.673	119	30542	0.8857764 ppb		99
83) DICYCLOPENTADIENE	7.669	66	23946	0.5972035 ppb		99
85) 1,4-DICHLOROBENZENE	7.817	146	19618	1.1337200 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	38433	1.0979024 ppb		97
87) 1,2-DICHLOROBENZENE	8.152	146	24798	1.5945039 ppb		97
88) n-Butylbenzene	8.007	91	38139	1.1893004 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.792	157	8112	4.5509947 ppb		97
90) 1,2,4-Trichlorobenzene	9.354	180	40377	3.8626823 ppb		98
91) HEXACHLORO-1,3-BUTADIENE	9.322	225	22752	3.9968173 ppb		99
92) Naphthalene	9.624	128	238714	9.5093613 ppb		99
93) 1,2,3-Trichlorobenzene	9.782	180	63208	6.5317138 ppb		98
94) 1-Methylnaphthalene	10.492	142	316208	23.7496763 ppb		99
95) 2-Methylnaphthalene	10.611	142	291091	26.9701589 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 18.D
Acq On : 11 Jul 2014 9:49 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

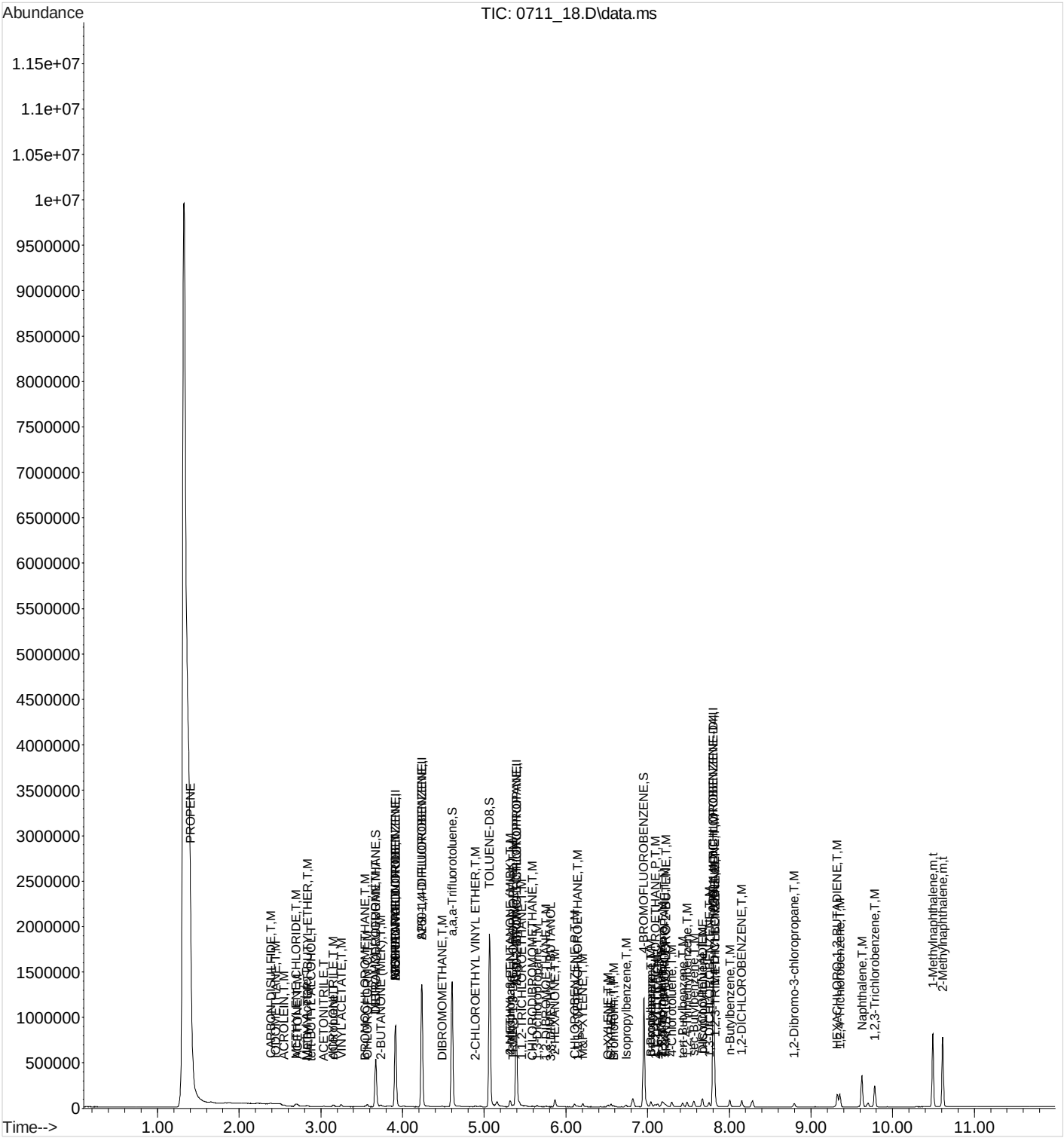
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.827	43	2231	0.3555022 ppb #	56
101)	ACETONITRILE	3.030	41	628	0.6942685 ppb #	35
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.875	59	918	0.9144459 ppb #	62
104)	chloroprene	3.152	53	14197	1.0066997 ppb #	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.663	43	1160	N.D.	
108)	METHACRYLONITRILE	3.914	67	1387	0.4164196 ppb #	1
109)	Cyclohexane	3.563	84	813	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.914	43	968	1.8086881 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.914	73	808	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	9547	Below Cal #	39
117)	2-nitropropane	5.319	43	43518	16.4101013 ppb #	38
118)	METHYL METHACRYLATE	0.000		0	N.D.	
119)	1,4-DIOXANE	4.679	88	2380	Below Cal #	79
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.811	57	581	0.6687421 ppb #	16
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.483	117	790	N.D.	
127)	Hexachloroethane	8.007	117	556	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 18.D
Acq On : 11 Jul 2014 9:49 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 18.D
Acq On : 11 Jul 2014 9:49 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	464598	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	827100	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	141726	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	363479	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	464598	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	827100	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	141726	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	363479	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.670	111	260851	39.4569341 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 98.64%		
46) a,a,a-Trifluorotoluene	4.605	146	463907	40.9969474 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.49%		
50) TOLUENE-D8	5.065	98	1039152	39.2379465 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 98.09%		
68) 4-BROMOFLUOROBENZENE	6.952	95	376428	40.1604625 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 100.40%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7021874		No Calib	
3) PROPENE	1.403	41	1037	0.3935948 ppb #	1
4) DICHLORODIFLUOROMETHANE	1.461	85	973	N.D.	
5) CHLOROMETHANE	1.583	50	3612	N.D.	
6) VINYL CHLORIDE	1.647	62	1583	N.D.	
7) 1,3-BUTADIENE	1.654	39	730	N.D.	
8) BROMOMETHANE	1.885	94	1352	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	2.049	101	1137	N.D.	
11) DICHLOROFLUOROMETHANE	2.081	67	1872	N.D.	
12) ETHYL ETHER	2.223	59	1501	N.D.	
13) ACROLEIN	2.551	56	8669	5.7799005 ppb #	82
14) 1,1-DICHLOROETHENE	2.358	61	1889	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	2.383	101	1086	N.D.	
16) ACETONE	2.715	43	26804	11.6894915 ppb	96
17) IODOMETHANE	2.448	142	8470	0.5282340 ppb #	87
18) CARBON DISULFIDE	2.387	76	12127	0.3119983 ppb #	82
19) METHYLENE CHLORIDE	2.692	84	8684	0.8004616 ppb	99
20) ACRYLONITRILE	3.152	53	14197	4.8845680 ppb #	94
21) n-Hexane	2.824	56	1595	N.D.	
22) TRANS-1,2-DICHLOROETHENE	2.785	96	1094	N.D.	
23) METHYL TERT-BUTYL ETHER	2.837	73	8296	0.3269972 ppb #	55
24) 1,1-DICHLOROETHANE	3.129	63	1647	N.D.	
25) VINYL ACETATE	3.248	43	32347	1.7171392 ppb	97
26) DI-ISOPROPYL ETHER	3.039	45	4406	N.D.	
27) 2,2-Dichloropropane	3.490	77	939	N.D.	
28) CIS-1,2-DICHLOROETHENE	3.435	96	1282	N.D.	
29) 2-BUTANONE (MEK)	3.734	43	18528	4.9852027 ppb	98
30) BROMOCHLOROMETHANE	3.541	130	1819	0.3086570 ppb	90
31) TETRAHYDROFURAN	3.670	42	3823	1.3389560 ppb #	86
32) CHLOROFORM	3.570	83	15100	0.8712250 ppb	94
34) 1,1,1-TRICHLOROETHANE	3.705	97	1291	N.D.	
35) CARBON TETRACHLORIDE	3.660	117	1494	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 18.D
Acq On : 11 Jul 2014 9:49 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	1903	N.D.		
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	4763	N.D.		
38) HEPTANE	3.859	43	2171	N.D.		
39) BENZENE	3.904	78	5737	N.D.		
40) 1,2-DICHLOROETHANE	4.017	62	3412	N.D.		
42) TRICHLOROETHENE	4.232	130	2174	N.D.		
43) 1,2-DICHLOROPROPANE	4.544	62	1019	N.D.		
44) DIBROMOMETHANE	4.486	93	2404	0.4624817 ppb	#	79
45) BROMODICHLOROMETHANE	4.567	83	2131	N.D.		
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	3944	1.0132088 ppb	#	80
48) CIS-1,3-DICHLOROPROPENE	4.949	75	3655	N.D.		
49) 4-METHYL-2-PENTANONE (...	5.316	58	16840	4.8528261 ppb		98
51) TOLUENE	5.100	91	7362	N.D.		
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	1194	0.3775823 ppb	#	1
54) 1,1,2-TRICHLOROETHANE	5.460	97	2663	0.3901034 ppb	#	82
55) TETRACHLOROETHENE	5.354	164	1105	N.D.		
56) 1,3-Dichloropropane	5.647	76	6336	0.4630733 ppb	#	87
57) 2-HEXANONE	5.866	58	27656	8.7161330 ppb		87
58) CHLORODIBROMOMETHANE	5.586	129	3074	0.3826078 ppb		98
59) 1,2-DIBROMOETHANE	5.756	107	4384	0.6005556 ppb		97
60) CHLOROBENZENE	6.107	112	7890	0.3350650 ppb		92
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	2346	0.3045839 ppb	#	75
62) ETHYLBENZENE	6.110	106	2749	N.D.		
63) M&P-XYLENE	6.210	106	7787	0.4950312 ppb		98
64) O-XYLENE	6.515	106	5545	0.3481267 ppb		83
65) STYRENE	6.550	104	10620	0.4363854 ppb		97
66) Bromoform	6.586	173	4389	0.9003115 ppb		96
67) Isopropylbenzene	6.737	105	12088	0.3065176 ppb		95
69) Bromobenzene	7.039	77	11574	0.6582594 ppb		97
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	10191	1.0694414 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.203	110	5098	1.9162509 ppb	#	76
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	3656	1.3812947 ppb	#	81
73) n-Propylbenzene	7.042	91	19239	0.4135344 ppb		98
74) 4-ETHYLTOLUENE	7.123	105	16834	0.4525961 ppb		97
75) 2-Chlorotoluene	7.171	126	5434	0.5736215 ppb		80
76) 4-Chlorotoluene	7.293	91	18358	0.6657340 ppb		98
77) 1,3,5-Trimethylbenzene	7.184	105	17663	0.5442211 ppb		99
78) tert-Butylbenzene	7.428	119	16935	0.6158176 ppb		98
79) 1,2,4-Trimethylbenzene	7.483	105	23455	0.7313436 ppb		96
80) sec-Butylbenzene	7.567	105	32268	0.7522543 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	15691	0.9407427 ppb		96
82) p-Isopropyltoluene	7.673	119	30542	0.8857764 ppb		99
83) DICYCLOPENTADIENE	7.669	66	23946	0.5972035 ppb		99
85) 1,4-DICHLOROBENZENE	7.817	146	19618	1.1337200 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	38433	1.0979024 ppb		97
87) 1,2-DICHLOROBENZENE	8.152	146	24798	1.5945039 ppb		97
88) n-Butylbenzene	8.007	91	38139	1.1893004 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.792	157	8112	4.5509947 ppb		97
90) 1,2,4-Trichlorobenzene	9.354	180	40377	3.8626823 ppb		98
91) HEXACHLORO-1,3-BUTADIENE	9.322	225	22752	3.9968173 ppb		99
92) Naphthalene	9.624	128	238714	9.5093613 ppb		99
93) 1,2,3-Trichlorobenzene	9.782	180	63208	6.5317138 ppb		98
94) 1-Methylnaphthalene	10.492	142	316208	23.7496763 ppb		99
95) 2-Methylnaphthalene	10.611	142	291091	26.9701589 ppb		99

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ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS23

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QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.827	43	2231	0.3555022 ppb #	56
101)	ACETONITRILE	3.030	41	628	0.6942685 ppb #	35
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.875	59	918	0.9144459 ppb #	62
104)	chloroprene	3.152	53	14197	1.0066997 ppb #	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.663	43	1160	N.D.	
108)	METHACRYLONITRILE	3.914	67	1387	0.4164196 ppb #	1
109)	Cyclohexane	3.563	84	813	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.914	43	968	1.8086881 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.914	73	808	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	9547	Below Cal #	39
117)	2-nitropropane	5.319	43	43518	16.4101013 ppb #	38
118)	METHYL METHACRYLATE	0.000		0	N.D.	
119)	1,4-DIOXANE	4.679	88	2380	Below Cal #	79
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.811	57	581	0.6687421 ppb #	16
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.483	117	790	N.D.	
127)	Hexachloroethane	8.007	117	556	N.D.	

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

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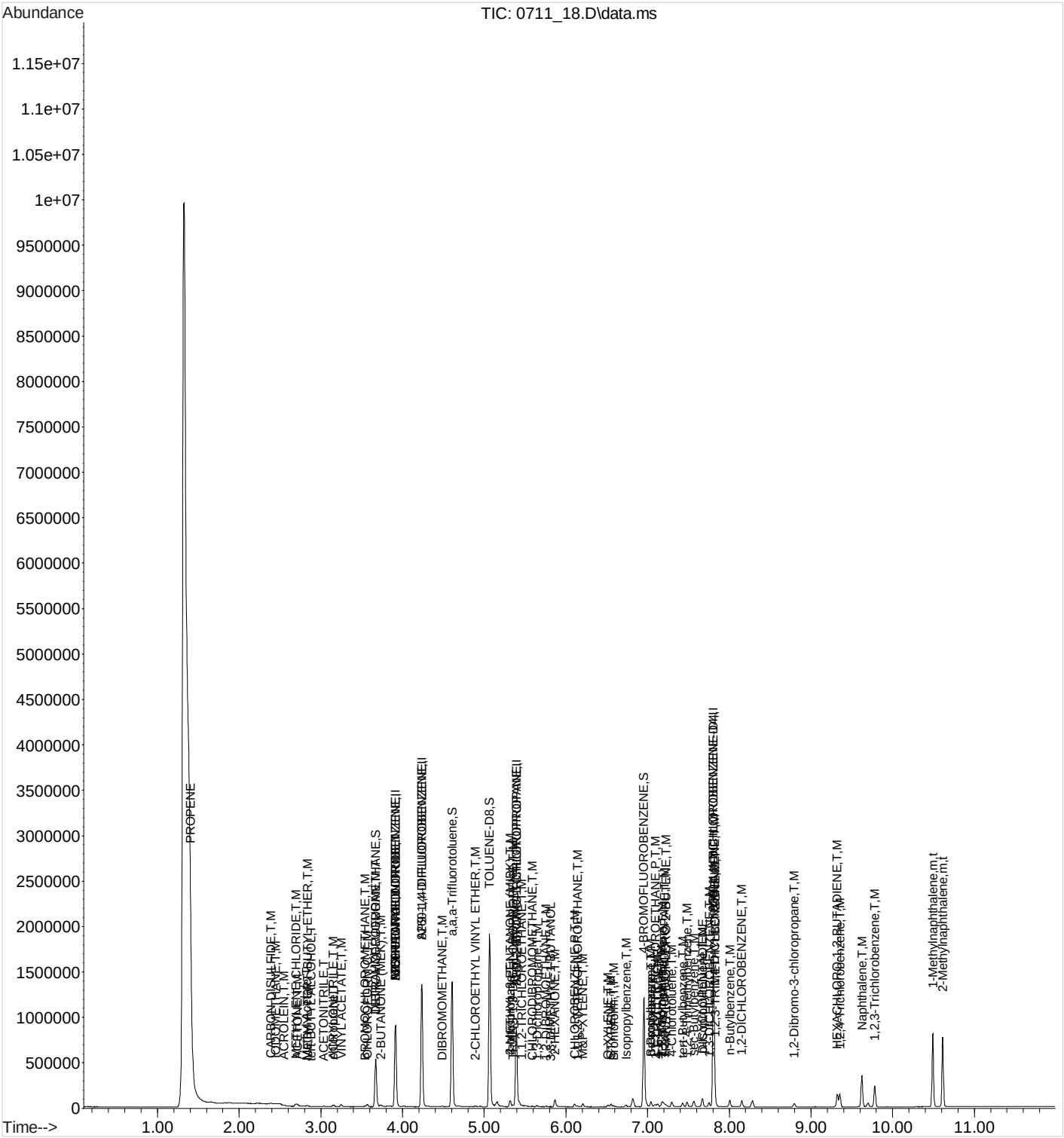

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	464598	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	827100	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	141726	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.804	152	363479	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	464598	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	827100	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	141726	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.804	152	363479	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.670	111	260851	39.4569341 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 98.64%		
46) a,a,a-Trifluorotoluene	4.605	146	463907	40.9969474 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.49%		
50) TOLUENE-D8	5.065	98	1039152	39.2379465 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 98.09%		
68) 4-BROMOFLUOROBENZENE	6.952	95	376428	40.1604625 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 100.40%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -7021874		No Calib	
3) PROPENE	1.403	41	1037	0.3935948 ppb #	1
4) DICHLORODIFLUOROMETHANE	1.461	85	973	N.D.	
5) CHLOROMETHANE	1.583	50	3612	N.D.	
6) VINYL CHLORIDE	1.647	62	1583	N.D.	
7) 1,3-BUTADIENE	1.654	39	730	N.D.	
8) BROMOMETHANE	1.885	94	1352	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	2.049	101	1137	N.D.	
11) DICHLOROFLUOROMETHANE	2.081	67	1872	N.D.	
12) ETHYL ETHER	2.223	59	1501	N.D.	
13) ACROLEIN	2.551	56	8669	5.7799005 ppb #	82
14) 1,1-DICHLOROETHENE	2.358	61	1889	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	2.383	101	1086	N.D.	
16) ACETONE	2.715	43	26804	11.6894915 ppb	96
17) IODOMETHANE	2.448	142	8470	0.5282340 ppb #	87
18) CARBON DISULFIDE	2.387	76	12127	0.3119983 ppb #	82
19) METHYLENE CHLORIDE	2.692	84	8684	0.8004616 ppb	99
20) ACRYLONITRILE	3.152	53	14197	4.8845680 ppb #	94
21) n-Hexane	2.824	56	1595	N.D.	
22) TRANS-1,2-DICHLOROETHENE	2.785	96	1094	N.D.	
23) METHYL TERT-BUTYL ETHER	2.837	73	8296	0.3269972 ppb #	55
24) 1,1-DICHLOROETHANE	3.129	63	1647	N.D.	
25) VINYL ACETATE	3.248	43	32347	1.7171392 ppb	97
26) DI-ISOPROPYL ETHER	3.039	45	4406	N.D.	
27) 2,2-Dichloropropane	3.490	77	939	N.D.	
28) CIS-1,2-DICHLOROETHENE	3.435	96	1282	N.D.	
29) 2-BUTANONE (MEK)	3.734	43	18528	4.9852027 ppb	98
30) BROMOCHLOROMETHANE	3.541	130	1819	0.3086570 ppb	90
31) TETRAHYDROFURAN	3.670	42	3823	1.3389560 ppb #	86
32) CHLOROFORM	3.570	83	15100	0.8712250 ppb	94
34) 1,1,1-TRICHLOROETHANE	3.705	97	1291	N.D.	
35) CARBON TETRACHLORIDE	3.660	117	1494	N.D.	

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Acq On : 11 Jul 2014 9:49 pm
Operator : 644
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Misc : water IS/SURR14F17495
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:56 2014
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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) 1,1-Dichloropropene	3.763	75	1903	N.D.		
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	4763	N.D.		
38) HEPTANE	3.859	43	2171	N.D.		
39) BENZENE	3.904	78	5737	N.D.		
40) 1,2-DICHLOROETHANE	4.017	62	3412	N.D.		
42) TRICHLOROETHENE	4.232	130	2174	N.D.		
43) 1,2-DICHLOROPROPANE	4.544	62	1019	N.D.		
44) DIBROMOMETHANE	4.486	93	2404	0.4624817 ppb	#	79
45) BROMODICHLOROMETHANE	4.567	83	2131	N.D.		
47) 2-CHLOROETHYL VINYL ETHER	4.891	63	3944	1.0132088 ppb	#	80
48) CIS-1,3-DICHLOROPROPENE	4.949	75	3655	N.D.		
49) 4-METHYL-2-PENTANONE (...	5.316	58	16840	4.8528261 ppb		98
51) TOLUENE	5.100	91	7362	N.D.		
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	1194	0.3775823 ppb	#	1
54) 1,1,2-TRICHLOROETHANE	5.460	97	2663	0.3901034 ppb	#	82
55) TETRACHLOROETHENE	5.354	164	1105	N.D.		
56) 1,3-Dichloropropane	5.647	76	6336	0.4630733 ppb	#	87
57) 2-HEXANONE	5.866	58	27656	8.7161330 ppb		87
58) CHLORODIBROMOMETHANE	5.586	129	3074	0.3826078 ppb		98
59) 1,2-DIBROMOETHANE	5.756	107	4384	0.6005556 ppb		97
60) CHLOROBENZENE	6.107	112	7890	0.3350650 ppb		92
61) 1,1,1,2-TETRACHLOROETHANE	6.142	133	2346	0.3045839 ppb	#	75
62) ETHYLBENZENE	6.110	106	2749	N.D.		
63) M&P-XYLENE	6.210	106	7787	0.4950312 ppb		98
64) O-XYLENE	6.515	106	5545	0.3481267 ppb		83
65) STYRENE	6.550	104	10620	0.4363854 ppb		97
66) Bromoform	6.586	173	4389	0.9003115 ppb		96
67) Isopropylbenzene	6.737	105	12088	0.3065176 ppb		95
69) Bromobenzene	7.039	77	11574	0.6582594 ppb		97
70) 1,1,2,2-TETRACHLOROETHANE	7.091	83	10191	1.0694414 ppb		99
71) 1,2,3-TRICHLOROPROPANE	7.203	110	5098	1.9162509 ppb	#	76
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	3656	1.3812947 ppb	#	81
73) n-Propylbenzene	7.042	91	19239	0.4135344 ppb		98
74) 4-ETHYLTOLUENE	7.123	105	16834	0.4525961 ppb		97
75) 2-Chlorotoluene	7.171	126	5434	0.5736215 ppb		80
76) 4-Chlorotoluene	7.293	91	18358	0.6657340 ppb		98
77) 1,3,5-Trimethylbenzene	7.184	105	17663	0.5442211 ppb		99
78) tert-Butylbenzene	7.428	119	16935	0.6158176 ppb		98
79) 1,2,4-Trimethylbenzene	7.483	105	23455	0.7313436 ppb		96
80) sec-Butylbenzene	7.567	105	32268	0.7522543 ppb		99
81) 1,3-DICHLOROBENZENE	7.753	146	15691	0.9407427 ppb		96
82) p-Isopropyltoluene	7.673	119	30542	0.8857764 ppb		99
83) DICYCLOPENTADIENE	7.669	66	23946	0.5972035 ppb		99
85) 1,4-DICHLOROBENZENE	7.817	146	19618	1.1337200 ppb	#	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	38433	1.0979024 ppb		97
87) 1,2-DICHLOROBENZENE	8.152	146	24798	1.5945039 ppb		97
88) n-Butylbenzene	8.007	91	38139	1.1893004 ppb		99
89) 1,2-Dibromo-3-chloropr...	8.792	157	8112	4.5509947 ppb		97
90) 1,2,4-Trichlorobenzene	9.354	180	40377	3.8626823 ppb		98
91) HEXACHLORO-1,3-BUTADIENE	9.322	225	22752	3.9968173 ppb		99
92) Naphthalene	9.624	128	238714	9.5093613 ppb		99
93) 1,2,3-Trichlorobenzene	9.782	180	63208	6.5317138 ppb		98
94) 1-Methylnaphthalene	10.492	142	316208	23.7496763 ppb		99
95) 2-Methylnaphthalene	10.611	142	291091	26.9701589 ppb		99

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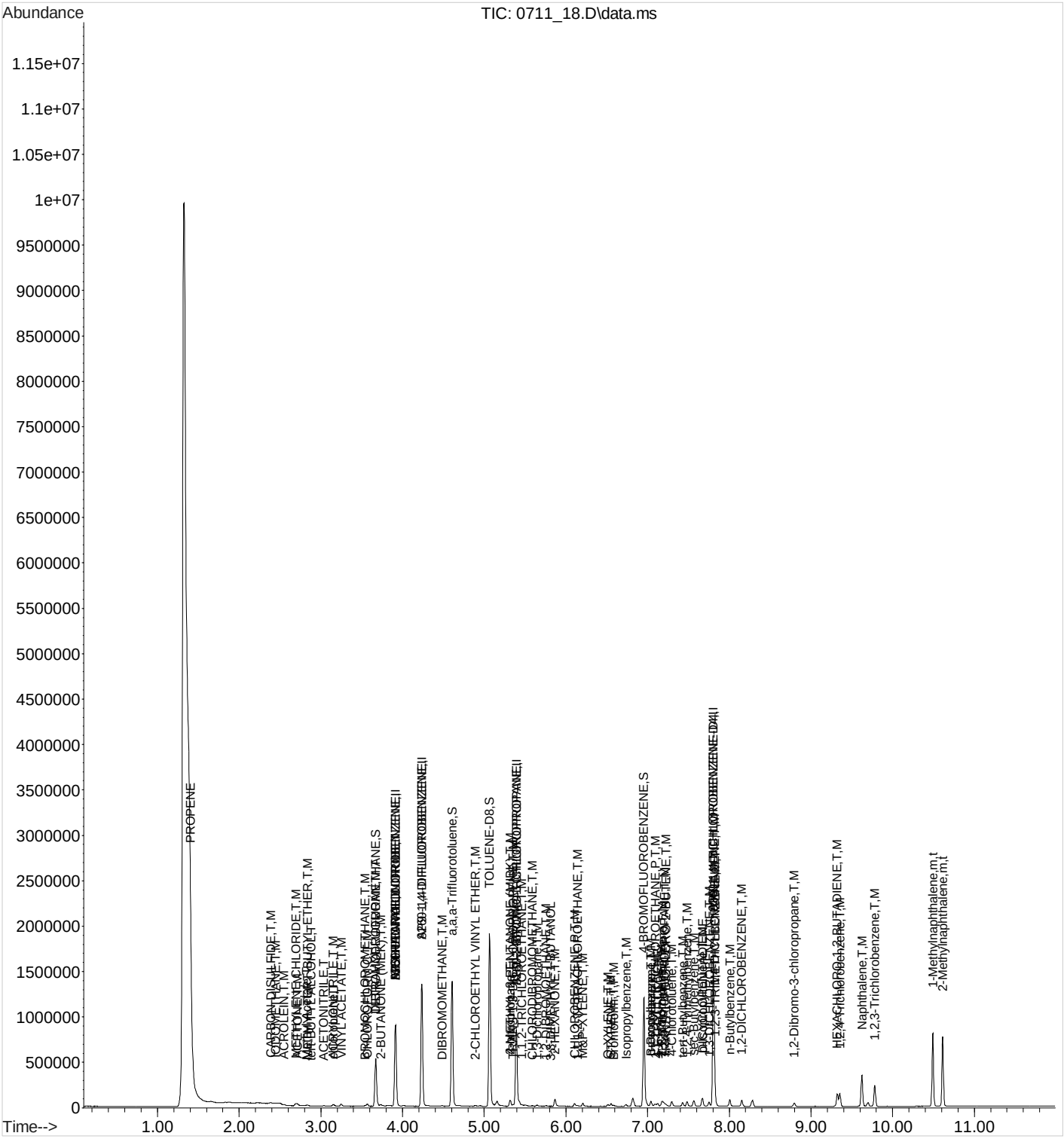
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.827	43	2231	0.3555022 ppb #	56
101)	ACETONITRILE	3.030	41	628	0.6942685 ppb #	35
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.875	59	918	0.9144459 ppb #	62
104)	chloroprene	3.152	53	14197	1.0066997 ppb #	25
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	0.000		0	N.D.	
107)	Ethyl Acetate	3.663	43	1160	N.D.	
108)	METHACRYLONITRILE	3.914	67	1387	0.4164196 ppb #	1
109)	Cyclohexane	3.563	84	813	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.914	43	968	1.8086881 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.914	73	808	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	9547	Below Cal #	39
117)	2-nitropropane	5.319	43	43518	16.4101013 ppb #	38
118)	METHYL METHACRYLATE	0.000		0	N.D.	
119)	1,4-DIOXANE	4.679	88	2380	Below Cal #	79
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.811	57	581	0.6687421 ppb #	16
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	7.483	117	790	N.D.	
127)	Hexachloroethane	8.007	117	556	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 18.D
Acq On : 11 Jul 2014 9:49 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:56 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	430103	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	755952	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	130593	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.807	152	348902	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	430103	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	755952	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	130593	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.807	152	348902	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	246598	40.2925956 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 100.73%		
46) a,a,a-Trifluorotoluene	4.605	146	423180	40.9175413 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.29%		
50) TOLUENE-D8	5.065	98	947270	39.1349495 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.84%		
68) 4-BROMOFLUOROBENZENE	6.955	95	358393	41.4959714 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 103.74%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -6528883		No Calib	
3) PROPENE	1.396	41	1008	0.4132720 ppb #	1
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	1369	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.544	56	2067	1.4886641 ppb #	73
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.711	43	8949	4.2157552 ppb #	87
17) IODOMETHANE	2.454	142	1545	N.D.	
18) CARBON DISULFIDE	2.386	76	6621	N.D.	
19) METHYLENE CHLORIDE	2.692	84	6846	0.6816515 ppb	95
20) ACRYLONITRILE	3.155	53	3836	1.4256504 ppb #	77
21) n-Hexane	2.817	56	546	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	2.837	73	1500	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.255	43	5711	0.3274828 ppb #	75
26) DI-ISOPROPYL ETHER	3.039	45	561	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.734	43	3754	1.0910720 ppb	98
30) BROMOCHLOROMETHANE	3.541	130	693	N.D.	
31) TETRAHYDROFURAN	3.673	42	1480	0.5599233 ppb #	78
32) CHLOROFORM	3.570	83	13831	0.8620090 ppb	96
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.808	57	818	N.D.	
38) HEPTANE	3.914	43	1145	N.D.	
39) BENZENE	3.907	78	2071	N.D.	
40) 1,2-DICHLOROETHANE	4.017	62	745	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	8025	1.2328474 ppb #	58
44) DIBROMOMETHANE	4.486	93	598	N.D.	
45) BROMODICHLOROMETHANE	4.605	83	544	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	4.894	63	734	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.949	75	723	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	3323	1.0477237 ppb	92
51) TOLUENE	5.097	91	2466	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	730	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.457	97	575	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	1490	N.D.	
57) 2-HEXANONE	5.869	58	5393	1.8445674 ppb	96
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	5.753	107	1007	N.D.	
60) CHLOROBENZENE	6.103	112	2117	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	6.113	106	1008	N.D.	
63) M&P-XYLENE	6.206	106	2384	N.D.	
64) O-XYLENE	6.518	106	1536	N.D.	
65) STYRENE	6.553	104	3693	N.D.	
66) Bromoform	6.586	173	728	N.D.	
67) Isopropylbenzene	6.737	105	3510	N.D.	
69) Bromobenzene	7.039	77	2661	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.090	83	2110	N.D.	
71) 1,2,3-TRICHLOROPROPANE	7.206	110	1408	0.5743608 ppb #	24
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	1160	0.4756284 ppb #	49
73) n-Propylbenzene	7.042	91	5380	N.D.	
74) 4-ETHYLTOLUENE	7.123	105	4400	N.D.	
75) 2-Chlorotoluene	7.174	126	1236	N.D.	
76) 4-Chlorotoluene	7.296	91	5152	N.D.	
77) 1,3,5-Trimethylbenzene	7.180	105	4830	N.D.	
78) tert-Butylbenzene	7.428	119	4050	N.D.	
79) 1,2,4-Trimethylbenzene	7.483	105	6733	N.D.	
80) sec-Butylbenzene	7.566	105	8157	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	4351	N.D.	
82) p-Isopropyltoluene	7.669	119	7168	N.D.	
83) DICYCLOPENTADIENE	7.666	66	5433	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	5375	0.3235977 ppb #	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	10390	0.3092081 ppb	97
87) 1,2-DICHLOROBENZENE	8.151	146	5654	0.3787395 ppb	93
88) n-Butylbenzene	8.007	91	9694	0.3149207 ppb	92
89) 1,2-Dibromo-3-chloropr...	8.791	157	1517	0.8866247 ppb	88
90) 1,2,4-Trichlorobenzene	9.354	180	7876	0.7849401 ppb	98
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	5386	0.9856822 ppb	98
92) Naphthalene	9.624	128	47800	1.9837056 ppb	99
93) 1,2,3-Trichlorobenzene	9.782	180	12679	1.3649476 ppb	97
94) 1-Methylnaphthalene	10.492	142	65258	5.1061606 ppb	100
95) 2-Methylnaphthalene	10.611	142	61345	5.9212004 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

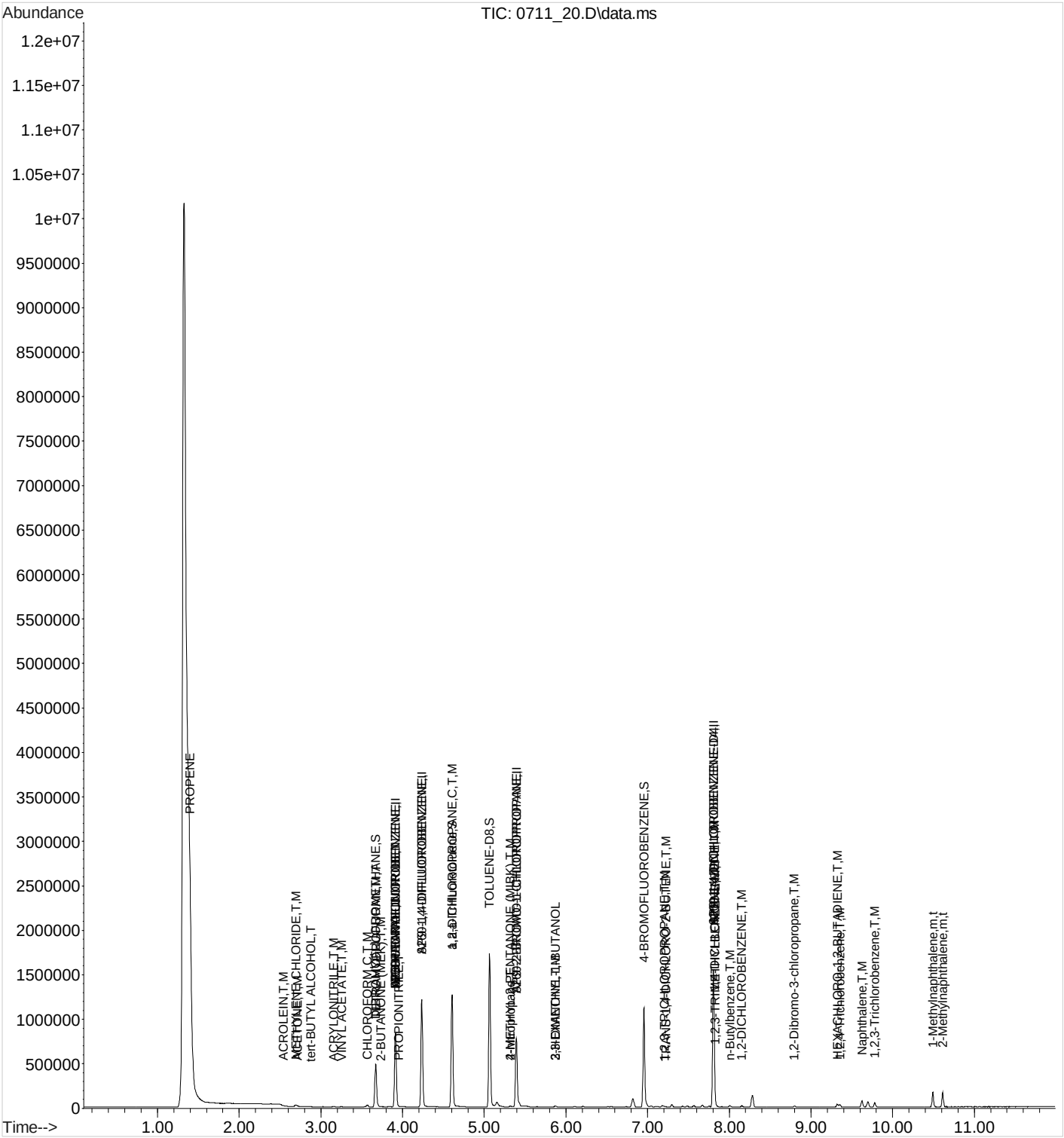
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.827	43	656	N.D.	
101)	ACETONITRILE	0.000		0	N.D.	
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.878	59	1027	1.1050722 ppb #	62
104)	chloroprene	3.155	53	3836	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	3.952	54	558	0.5321972 ppb #	22
107)	Ethyl Acetate	0.000		0	N.D.	
108)	METHACRYLONITRILE	3.910	67	1232	0.3995492 ppb #	1
109)	Cyclohexane	3.570	84	724	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.914	43	1169	2.3594333 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.910	73	768	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	8185	Below Cal #	39
117)	2-nitropropane	5.322	43	8031	3.3134144 ppb #	39
118)	METHYL METHACRYLATE	0.000		0	N.D.	
119)	1,4-DIOXANE	4.682	88	2438	Below Cal #	79
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.869	57	1718	2.1635627 ppb #	24
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	430103	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	755952	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	130593	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.807	152	348902	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	430103	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	755952	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	130593	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.807	152	348902	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	246598	40.2925956 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 100.73%		
46) a,a,a-Trifluorotoluene	4.605	146	423180	40.9175413 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.29%		
50) TOLUENE-D8	5.065	98	947270	39.1349495 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.84%		
68) 4-BROMOFLUOROBENZENE	6.955	95	358393	41.4959714 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 103.74%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -6528883		No Calib	
3) PROPENE	1.396	41	1008	0.4132720 ppb #	1
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	1369	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.544	56	2067	1.4886641 ppb #	73
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.711	43	8949	4.2157552 ppb #	87
17) IODOMETHANE	2.454	142	1545	N.D.	
18) CARBON DISULFIDE	2.386	76	6621	N.D.	
19) METHYLENE CHLORIDE	2.692	84	6846	0.6816515 ppb	95
20) ACRYLONITRILE	3.155	53	3836	1.4256504 ppb #	77
21) n-Hexane	2.817	56	546	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	2.837	73	1500	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.255	43	5711	0.3274828 ppb #	75
26) DI-ISOPROPYL ETHER	3.039	45	561	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.734	43	3754	1.0910720 ppb	98
30) BROMOCHLOROMETHANE	3.541	130	693	N.D.	
31) TETRAHYDROFURAN	3.673	42	1480	0.5599233 ppb #	78
32) CHLOROFORM	3.570	83	13831	0.8620090 ppb	96
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.808	57	818	N.D.	
38) HEPTANE	3.914	43	1145	N.D.	
39) BENZENE	3.907	78	2071	N.D.	
40) 1,2-DICHLOROETHANE	4.017	62	745	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	8025	1.2328474 ppb #	58
44) DIBROMOMETHANE	4.486	93	598	N.D.	
45) BROMODICHLOROMETHANE	4.605	83	544	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	4.894	63	734	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.949	75	723	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	3323	1.0477237 ppb	92
51) TOLUENE	5.097	91	2466	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	730	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.457	97	575	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	1490	N.D.	
57) 2-HEXANONE	5.869	58	5393	1.8445674 ppb	96
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	5.753	107	1007	N.D.	
60) CHLOROBENZENE	6.103	112	2117	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	6.113	106	1008	N.D.	
63) M&P-XYLENE	6.206	106	2384	N.D.	
64) O-XYLENE	6.518	106	1536	N.D.	
65) STYRENE	6.553	104	3693	N.D.	
66) Bromoform	6.586	173	728	N.D.	
67) Isopropylbenzene	6.737	105	3510	N.D.	
69) Bromobenzene	7.039	77	2661	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.090	83	2110	N.D.	
71) 1,2,3-TRICHLOROPROPANE	7.206	110	1408	0.5743608 ppb #	24
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	1160	0.4756284 ppb #	49
73) n-Propylbenzene	7.042	91	5380	N.D.	
74) 4-ETHYLTOLUENE	7.123	105	4400	N.D.	
75) 2-Chlorotoluene	7.174	126	1236	N.D.	
76) 4-Chlorotoluene	7.296	91	5152	N.D.	
77) 1,3,5-Trimethylbenzene	7.180	105	4830	N.D.	
78) tert-Butylbenzene	7.428	119	4050	N.D.	
79) 1,2,4-Trimethylbenzene	7.483	105	6733	N.D.	
80) sec-Butylbenzene	7.566	105	8157	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	4351	N.D.	
82) p-Isopropyltoluene	7.669	119	7168	N.D.	
83) DICYCLOPENTADIENE	7.666	66	5433	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	5375	0.3235977 ppb #	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	10390	0.3092081 ppb	97
87) 1,2-DICHLOROBENZENE	8.151	146	5654	0.3787395 ppb	93
88) n-Butylbenzene	8.007	91	9694	0.3149207 ppb	92
89) 1,2-Dibromo-3-chloropr...	8.791	157	1517	0.8866247 ppb	88
90) 1,2,4-Trichlorobenzene	9.354	180	7876	0.7849401 ppb	98
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	5386	0.9856822 ppb	98
92) Naphthalene	9.624	128	47800	1.9837056 ppb	99
93) 1,2,3-Trichlorobenzene	9.782	180	12679	1.3649476 ppb	97
94) 1-Methylnaphthalene	10.492	142	65258	5.1061606 ppb	100
95) 2-Methylnaphthalene	10.611	142	61345	5.9212004 ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

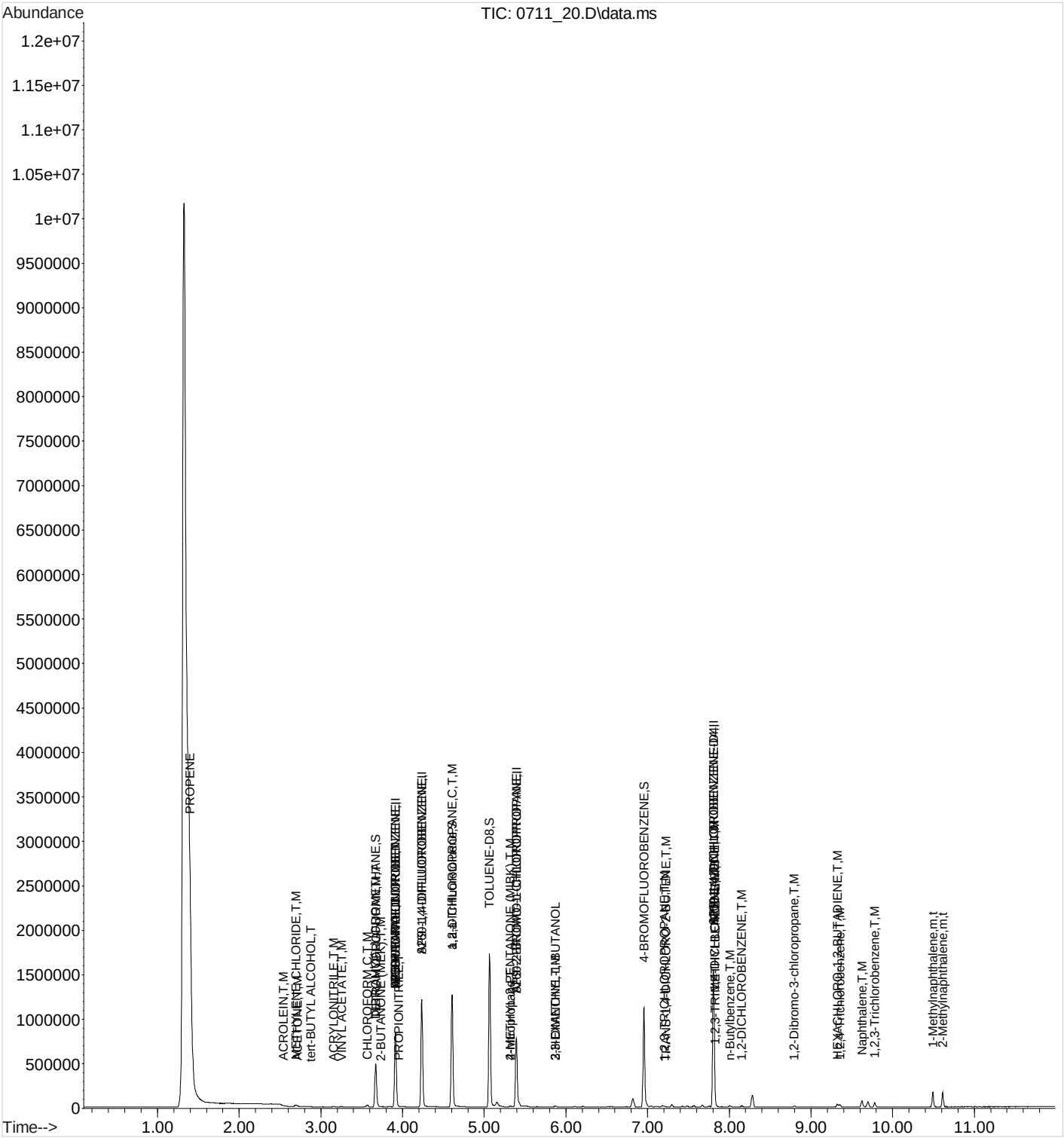
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.827	43	656	N.D.	
101)	ACETONITRILE	0.000		0	N.D.	
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.878	59	1027	1.1050722 ppb #	62
104)	chloroprene	3.155	53	3836	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	3.952	54	558	0.5321972 ppb #	22
107)	Ethyl Acetate	0.000		0	N.D.	
108)	METHACRYLONITRILE	3.910	67	1232	0.3995492 ppb #	1
109)	Cyclohexane	3.570	84	724	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.914	43	1169	2.3594333 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.910	73	768	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	8185	Below Cal #	39
117)	2-nitropropane	5.322	43	8031	3.3134144 ppb #	39
118)	METHYL METHACRYLATE	0.000		0	N.D.	
119)	1,4-DIOXANE	4.682	88	2438	Below Cal #	79
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.869	57	1718	2.1635627 ppb #	24
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	430103	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	755952	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	130593	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.807	152	348902	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	430103	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	755952	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	130593	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.807	152	348902	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.669	111	246598	40.2925956 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 100.73%		
46) a,a,a-Trifluorotoluene	4.605	146	423180	40.9175413 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 102.29%		
50) TOLUENE-D8	5.065	98	947270	39.1349495 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 97.84%		
68) 4-BROMOFLUOROBENZENE	6.955	95	358393	41.4959714 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 103.74%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -6528883		No Calib	
3) PROPENE	1.396	41	1008	0.4132720 ppb #	1
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	1369	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.544	56	2067	1.4886641 ppb #	73
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.711	43	8949	4.2157552 ppb #	87
17) IODOMETHANE	2.454	142	1545	N.D.	
18) CARBON DISULFIDE	2.386	76	6621	N.D.	
19) METHYLENE CHLORIDE	2.692	84	6846	0.6816515 ppb	95
20) ACRYLONITRILE	3.155	53	3836	1.4256504 ppb #	77
21) n-Hexane	2.817	56	546	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	2.837	73	1500	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	3.255	43	5711	0.3274828 ppb #	75
26) DI-ISOPROPYL ETHER	3.039	45	561	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.734	43	3754	1.0910720 ppb	98
30) BROMOCHLOROMETHANE	3.541	130	693	N.D.	
31) TETRAHYDROFURAN	3.673	42	1480	0.5599233 ppb #	78
32) CHLOROFORM	3.570	83	13831	0.8620090 ppb	96
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	0.000		0	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.808	57	818	N.D.	
38) HEPTANE	3.914	43	1145	N.D.	
39) BENZENE	3.907	78	2071	N.D.	
40) 1,2-DICHLOROETHANE	4.017	62	745	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	8025	1.2328474 ppb #	58
44) DIBROMOMETHANE	4.486	93	598	N.D.	
45) BROMODICHLOROMETHANE	4.605	83	544	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	4.894	63	734	N.D.	
48) CIS-1,3-DICHLOROPROPENE	4.949	75	723	N.D.	
49) 4-METHYL-2-PENTANONE (...	5.316	58	3323	1.0477237 ppb	92
51) TOLUENE	5.097	91	2466	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	5.354	110	730	N.D.	
54) 1,1,2-TRICHLOROETHANE	5.457	97	575	N.D.	
55) TETRACHLOROETHENE	0.000		0	N.D.	
56) 1,3-Dichloropropane	5.647	76	1490	N.D.	
57) 2-HEXANONE	5.869	58	5393	1.8445674 ppb	96
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	5.753	107	1007	N.D.	
60) CHLOROBENZENE	6.103	112	2117	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	6.113	106	1008	N.D.	
63) M&P-XYLENE	6.206	106	2384	N.D.	
64) O-XYLENE	6.518	106	1536	N.D.	
65) STYRENE	6.553	104	3693	N.D.	
66) Bromoform	6.586	173	728	N.D.	
67) Isopropylbenzene	6.737	105	3510	N.D.	
69) Bromobenzene	7.039	77	2661	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.090	83	2110	N.D.	
71) 1,2,3-TRICHLOROPROPANE	7.206	110	1408	0.5743608 ppb #	24
72) TRANS-1,4-DICHLORO-2-B...	7.222	53	1160	0.4756284 ppb #	49
73) n-Propylbenzene	7.042	91	5380	N.D.	
74) 4-ETHYLTOLUENE	7.123	105	4400	N.D.	
75) 2-Chlorotoluene	7.174	126	1236	N.D.	
76) 4-Chlorotoluene	7.296	91	5152	N.D.	
77) 1,3,5-Trimethylbenzene	7.180	105	4830	N.D.	
78) tert-Butylbenzene	7.428	119	4050	N.D.	
79) 1,2,4-Trimethylbenzene	7.483	105	6733	N.D.	
80) sec-Butylbenzene	7.566	105	8157	N.D.	
81) 1,3-DICHLOROBENZENE	7.753	146	4351	N.D.	
82) p-Isopropyltoluene	7.669	119	7168	N.D.	
83) DICYCLOPENTADIENE	7.666	66	5433	N.D.	
85) 1,4-DICHLOROBENZENE	7.817	146	5375	0.3235977 ppb #	1
86) 1,2,3-TRIMETHYLBENZENE	7.827	105	10390	0.3092081 ppb	97
87) 1,2-DICHLOROBENZENE	8.151	146	5654	0.3787395 ppb	93
88) n-Butylbenzene	8.007	91	9694	0.3149207 ppb	92
89) 1,2-Dibromo-3-chloropr...	8.791	157	1517	0.8866247 ppb	88
90) 1,2,4-Trichlorobenzene	9.354	180	7876	0.7849401 ppb	98
91) HEXACHLORO-1,3-BUTADIENE	9.325	225	5386	0.9856822 ppb	98
92) Naphthalene	9.624	128	47800	1.9837056 ppb	99
93) 1,2,3-Trichlorobenzene	9.782	180	12679	1.3649476 ppb	97
94) 1-Methylnaphthalene	10.492	142	65258	5.1061606 ppb	100
95) 2-Methylnaphthalene	10.611	142	61345	5.9212004 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

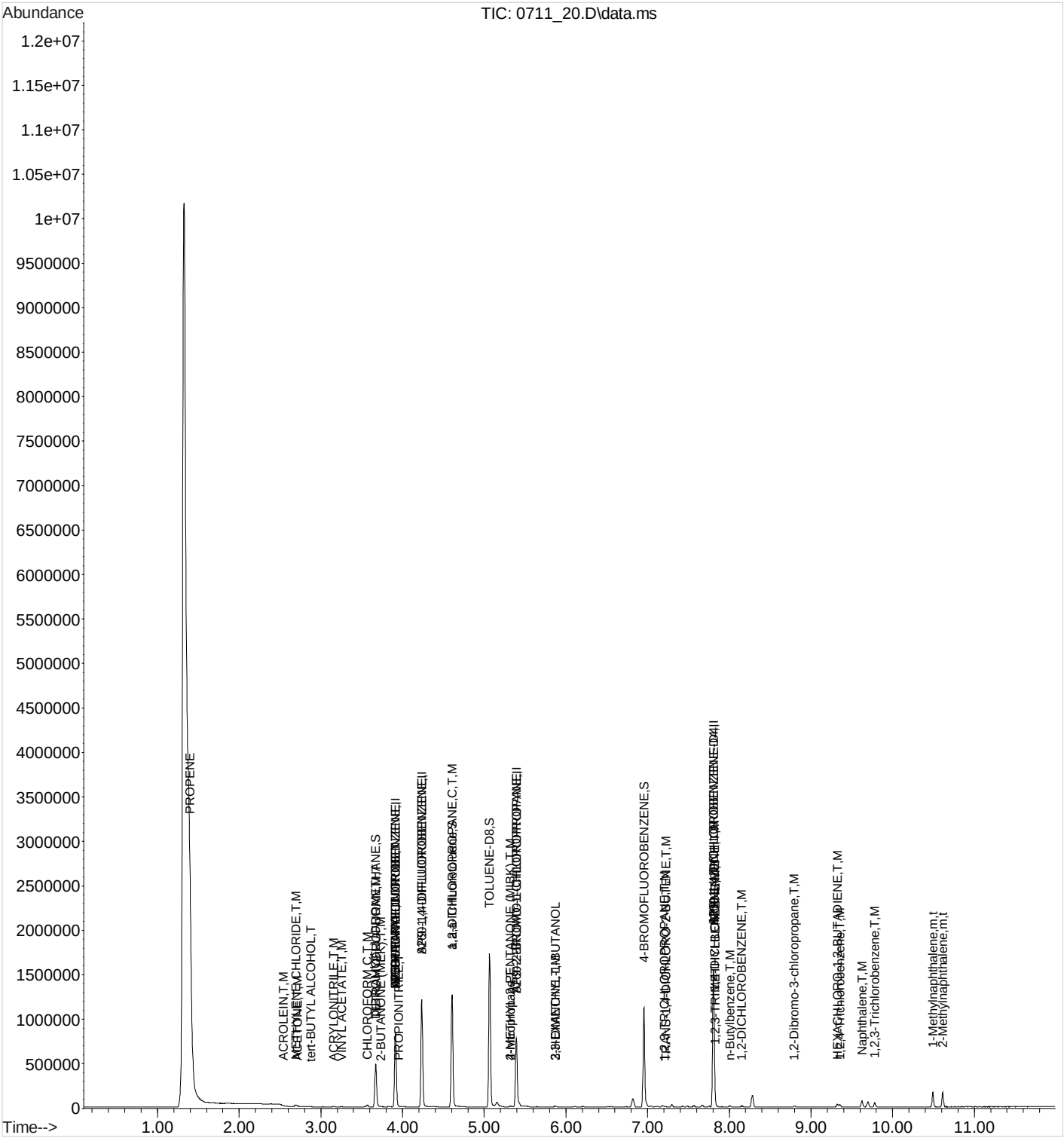
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	ETHANOL	0.000		0	N.D.	
98)	Bromoethane	0.000		0	N.D.	
99)	2-PROPANOL	0.000		0	N.D.	
100)	Methyl Acetate	2.827	43	656	N.D.	
101)	ACETONITRILE	0.000		0	N.D.	
102)	ALLYL CHLORIDE	0.000		0	N.D.	
103)	tert-BUTYL ALCOHOL	2.878	59	1027	1.1050722 ppb #	62
104)	chloroprene	3.155	53	3836	N.D.	
105)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
106)	PROPIONITRILE	3.952	54	558	0.5321972 ppb #	22
107)	Ethyl Acetate	0.000		0	N.D.	
108)	METHACRYLONITRILE	3.910	67	1232	0.3995492 ppb #	1
109)	Cyclohexane	3.570	84	724	N.D.	
110)	tert-butyl formate	0.000		0	N.D.	
111)	ISOBUTANOL	3.914	43	1169	2.3594333 ppb #	1
112)	t-Amyl Alcohol	0.000		0	N.D.	
113)	TERT-AMYL METHYL ETHER	3.910	73	768	N.D.	
115)	N-BUTANOL	0.000		0	N.D.	
116)	Methyl Cyclohexane	4.235	83	8185	Below Cal #	39
117)	2-nitropropane	5.322	43	8031	3.3134144 ppb #	39
118)	METHYL METHACRYLATE	0.000		0	N.D.	
119)	1,4-DIOXANE	4.682	88	2438	Below Cal #	79
120)	n-octane	0.000		0	N.D.	
121)	3,3-DIMETHYL-1-BUTANOL	5.869	57	1718	2.1635627 ppb #	24
123)	ETHYL METHACRYLATE	0.000		0	N.D.	
124)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
125)	Cyclohexanone	0.000		0	N.D.	
126)	PENTACHLOROETHANE	0.000		0	N.D.	
127)	Hexachloroethane	0.000		0	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 20.D
Acq On : 11 Jul 2014 10:29 pm
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:41 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



V823G11N.M Sat Jul 12 17:13:49 2014 Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 30.D
Acq On : 12 Jul 2014 1:50 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 30 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	452662	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	786870	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	141168	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	353068	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	452662	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	786870	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	141168	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	353068	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	251211	39.0007340 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 97.50%		
46) a,a,a-Trifluorotoluene	4.605	146	436631	40.5592760 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.40%		
50) TOLUENE-D8	5.065	98	1011232	40.1359023 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 100.34%		
68) 4-BROMOFLUOROBENZENE	6.956	95	371938	39.8382824 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 99.60%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	-6874232	No Calib	
3) PROPENE	1.406	41	595	N.D.	
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	565	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.554	56	870	0.5953521 ppb #	14
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.715	43	4927	2.2053721 ppb #	82
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.390	76	3818	N.D.	
19) METHYLENE CHLORIDE	2.692	84	7907	0.7480587 ppb	85
20) ACRYLONITRILE	3.116	53	1318	0.4654235 ppb #	17
21) n-Hexane	2.821	56	644	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	0.000		0	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.737	43	1026	N.D.	
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.666	42	1255	0.4511376 ppb #	80
32) CHLOROFORM	3.570	83	13632	0.8072652 ppb	95
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 30.D
Acq On : 12 Jul 2014 1:50 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 30 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.846	75	578	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	5013	N.D.	
38) HEPTANE	3.817	43	1265	N.D.	
39) BENZENE	3.904	78	1108	N.D.	
40) 1,2-DICHLOROETHANE	3.914	62	2329	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	8169	1.2056588 ppb #	53
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.608	83	649	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
51) TOLUENE	5.104	91	1356	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	5.354	164	872	N.D.	
56) 1,3-Dichloropropane	5.647	76	580	N.D.	
57) 2-HEXANONE	0.000		0	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	6.213	106	614	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	0.000		0	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.817	105	586	N.D.	
69) Bromobenzene	7.046	77	724	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.242	83	652	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.242	53	946	0.3588266 ppb #	25
73) n-Propylbenzene	6.956	91	824	N.D.	
74) 4-ETHYLTOLUENE	7.123	105	907	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	
77) 1,3,5-Trimethylbenzene	7.187	105	612	N.D.	
78) tert-Butylbenzene	7.457	119	3661	N.D.	
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	
80) sec-Butylbenzene	0.000		0	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	7.669	119	648	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.820	146	545	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.833	105	1655	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	0.000		0	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	2394	N.D.	
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	
94) 1-Methylnaphthalene	10.496	142	1768	N.D.	
95) 2-Methylnaphthalene	10.615	142	1327	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 30.D
Acq On : 12 Jul 2014 1:50 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 30 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.313	45	1304	16.1185853 ppb	#	32
98)	Bromoethane	0.000		0	N.D.		
99)	2-PROPANOL	0.000		0	N.D.		
100)	Methyl Acetate	2.779	43	11807	1.9310145 ppb	#	89
101)	ACETONITRILE	2.981	41	8326	9.4472956 ppb		96
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	2.882	59	2399	2.4527252 ppb	#	62
104)	chloroprene	3.116	53	1318	N.D.		
105)	ETHYL TERT-BUTYL ETHER	3.239	59	1089	N.D.		
106)	PROPIONITRILE	3.904	54	8041	7.2869682 ppb	#	2
107)	Ethyl Acetate	3.618	43	7979	1.1626637 ppb		98
108)	METHACRYLONITRILE	3.917	67	18814	5.7974783 ppb		95
109)	Cyclohexane	0.000		0	N.D.		
110)	tert-butyl formate	3.811	59	5804	0.7569045 ppb		91
111)	ISOBUTANOL	3.975	43	7739	14.8414548 ppb	#	96
112)	t-Amyl Alcohol	4.046	59	604	0.7895750 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.946	73	760	N.D.		
115)	N-BUTANOL	4.377	56	14411	51.0702596 ppb		99
116)	Methyl Cyclohexane	4.235	83	8975	Below Cal	#	41
117)	2-nitropropane	5.239	43	4390	1.7400506 ppb	#	82
118)	METHYL METHACRYLATE	4.634	41	3822	0.5420636 ppb	#	18
119)	1,4-DIOXANE	4.682	88	4065	20.1948602 ppb	#	88
120)	n-octane	0.000		0	N.D.		
121)	3,3-DIMETHYL-1-BUTANOL	5.837	57	5862	7.0922392 ppb		93
123)	ETHYL METHACRYLATE	5.435	69	6557	0.6417079 ppb	#	34
124)	CIS-1,4-DICHLORO-2-BUTENE	6.994	53	2646	0.9562219 ppb	#	26
125)	Cyclohexanone	7.245	55	7185	4.1306477 ppb		97
126)	PENTACHLOROETHANE	7.454	117	3389	0.7257960 ppb		86
127)	Hexachloroethane	8.132	117	1035	N.D.		

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

Quantitation Report (QT Reviewed)

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Misc : water IS/SURR14F17495
ALS Vial : 30 Sample Multiplier: 1
InstName : VOCMS23

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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
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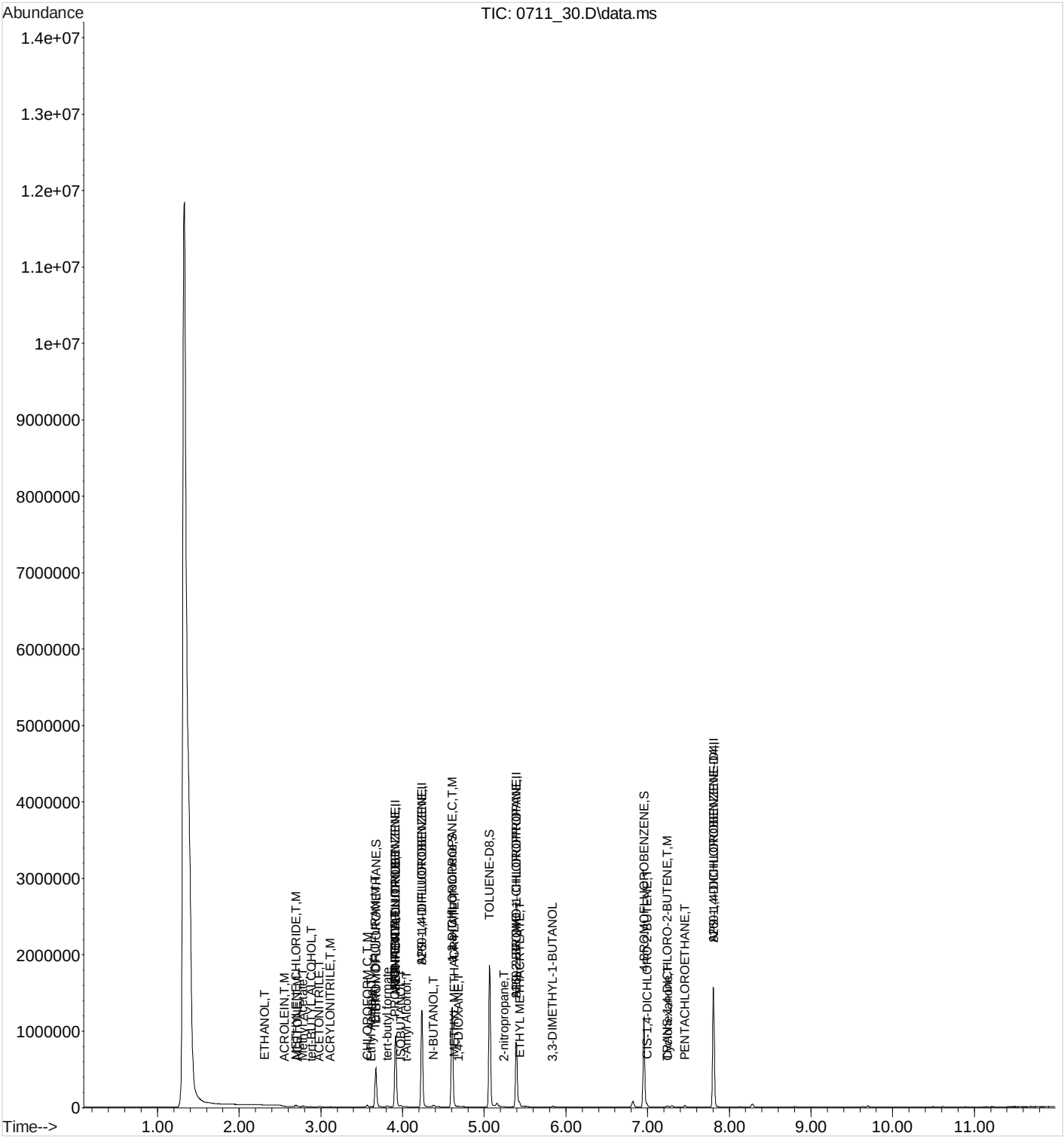

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 30.D
Acq On : 12 Jul 2014 1:50 am
Operator : 644
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Misc : water IS/SURR14F17495
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	452662	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	786870	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	141168	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	353068	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	452662	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	786870	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	141168	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	353068	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	251211	39.0007340 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 97.50%		
46) a,a,a-Trifluorotoluene	4.605	146	436631	40.5592760 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.40%		
50) TOLUENE-D8	5.065	98	1011232	40.1359023 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 100.34%		
68) 4-BROMOFLUOROBENZENE	6.956	95	371938	39.8382824 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 99.60%		

Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC	-6874232	No Calib	
3) PROPENE	1.406	41	595	N.D.	
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	565	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.554	56	870	0.5953521 ppb #	14
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.715	43	4927	2.2053721 ppb #	82
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.390	76	3818	N.D.	
19) METHYLENE CHLORIDE	2.692	84	7907	0.7480587 ppb	85
20) ACRYLONITRILE	3.116	53	1318	0.4654235 ppb #	17
21) n-Hexane	2.821	56	644	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	0.000		0	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.737	43	1026	N.D.	
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.666	42	1255	0.4511376 ppb #	80
32) CHLOROFORM	3.570	83	13632	0.8072652 ppb	95
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 30.D
Acq On : 12 Jul 2014 1:50 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 30 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.846	75	578	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	5013	N.D.	
38) HEPTANE	3.817	43	1265	N.D.	
39) BENZENE	3.904	78	1108	N.D.	
40) 1,2-DICHLOROETHANE	3.914	62	2329	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	8169	1.2056588 ppb #	53
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.608	83	649	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
51) TOLUENE	5.104	91	1356	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	5.354	164	872	N.D.	
56) 1,3-Dichloropropane	5.647	76	580	N.D.	
57) 2-HEXANONE	0.000		0	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	6.213	106	614	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	0.000		0	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.817	105	586	N.D.	
69) Bromobenzene	7.046	77	724	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.242	83	652	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.242	53	946	0.3588266 ppb #	25
73) n-Propylbenzene	6.956	91	824	N.D.	
74) 4-ETHYLTOLUENE	7.123	105	907	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	
77) 1,3,5-Trimethylbenzene	7.187	105	612	N.D.	
78) tert-Butylbenzene	7.457	119	3661	N.D.	
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	
80) sec-Butylbenzene	0.000		0	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	7.669	119	648	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.820	146	545	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.833	105	1655	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	0.000		0	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	2394	N.D.	
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	
94) 1-Methylnaphthalene	10.496	142	1768	N.D.	
95) 2-Methylnaphthalene	10.615	142	1327	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 30.D
Acq On : 12 Jul 2014 1:50 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 30 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

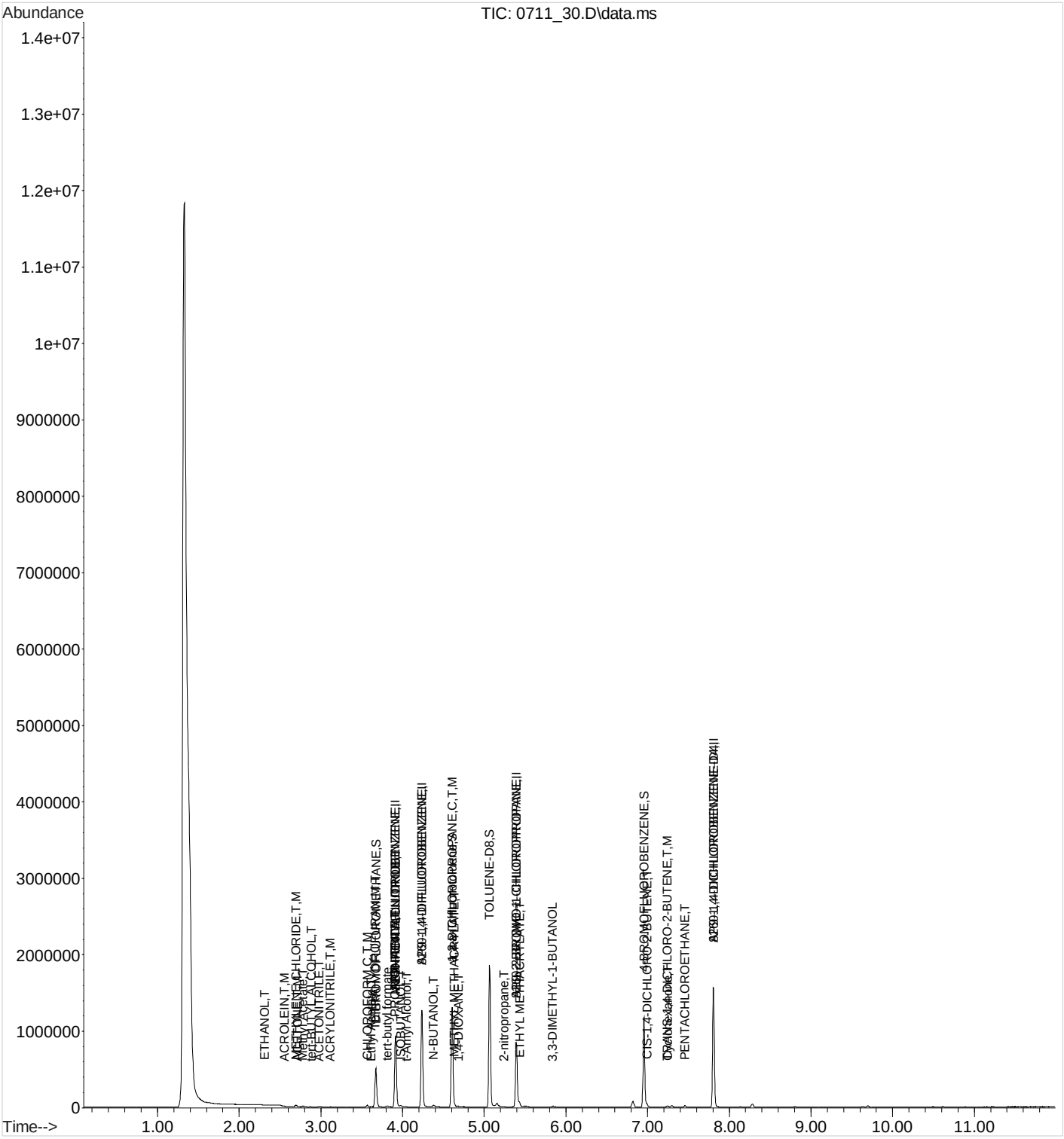
	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.313	45	1304	16.1185853 ppb	#	32
98)	Bromoethane	0.000		0	N.D.		
99)	2-PROPANOL	0.000		0	N.D.		
100)	Methyl Acetate	2.779	43	11807	1.9310145 ppb	#	89
101)	ACETONITRILE	2.981	41	8326	9.4472956 ppb		96
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	2.882	59	2399	2.4527252 ppb	#	62
104)	chloroprene	3.116	53	1318	N.D.		
105)	ETHYL TERT-BUTYL ETHER	3.239	59	1089	N.D.		
106)	PROPIONITRILE	3.904	54	8041	7.2869682 ppb	#	2
107)	Ethyl Acetate	3.618	43	7979	1.1626637 ppb		98
108)	METHACRYLONITRILE	3.917	67	18814	5.7974783 ppb		95
109)	Cyclohexane	0.000		0	N.D.		
110)	tert-butyl formate	3.811	59	5804	0.7569045 ppb		91
111)	ISOBUTANOL	3.975	43	7739	14.8414548 ppb	#	96
112)	t-Amyl Alcohol	4.046	59	604	0.7895750 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.946	73	760	N.D.		
115)	N-BUTANOL	4.377	56	14411	51.0702596 ppb		99
116)	Methyl Cyclohexane	4.235	83	8975	Below Cal	#	41
117)	2-nitropropane	5.239	43	4390	1.7400506 ppb	#	82
118)	METHYL METHACRYLATE	4.634	41	3822	0.5420636 ppb	#	18
119)	1,4-DIOXANE	4.682	88	4065	20.1948602 ppb	#	88
120)	n-octane	0.000		0	N.D.		
121)	3,3-DIMETHYL-1-BUTANOL	5.837	57	5862	7.0922392 ppb		93
123)	ETHYL METHACRYLATE	5.435	69	6557	0.6417079 ppb	#	34
124)	CIS-1,4-DICHLORO-2-BUTENE	6.994	53	2646	0.9562219 ppb	#	26
125)	Cyclohexanone	7.245	55	7185	4.1306477 ppb		97
126)	PENTACHLOROETHANE	7.454	117	3389	0.7257960 ppb		86
127)	Hexachloroethane	8.132	117	1035	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\071114\
Data File : 0711 30.D
Acq On : 12 Jul 2014 1:50 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 30 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration



V823G11N.M Sat Jul 12 17:13:28 2014 Page: 4

Quantitation Report (QT Reviewed)

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Data File : 0711 30.D
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Sample : INSTBLK
Misc : water IS/SURR14F17495
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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.914	168	452662	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.235	114	786870	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.393	79	141168	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.808	152	353068	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.914	168	452662	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.235	114	786870	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.393	79	141168	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.808	152	353068	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.673	111	251211	39.0007340 ppb	0.00
Spiked Amount 40.000	Range 78 - 121		Recovery = 97.50%		
46) a,a,a-Trifluorotoluene	4.605	146	436631	40.5592760 ppb	0.00
Spiked Amount 40.000	Range 85 - 114		Recovery = 101.40%		
50) TOLUENE-D8	5.065	98	1011232	40.1359023 ppb	0.00
Spiked Amount 40.000	Range 89 - 111		Recovery = 100.34%		
68) 4-BROMOFLUOROBENZENE	6.956	95	371938	39.8382824 ppb	0.00
Spiked Amount 40.000	Range 71 - 126		Recovery = 99.60%		

Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	4.096	TIC -6874232		No Calib	
3) PROPENE	1.406	41	595	N.D.	
4) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
5) CHLOROMETHANE	1.589	50	565	N.D.	
6) VINYL CHLORIDE	0.000		0	N.D.	
7) 1,3-BUTADIENE	0.000		0	N.D.	
8) BROMOMETHANE	0.000		0	N.D.	
9) CHLOROETHANE	0.000		0	N.D.	
10) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
11) DICHLOROFLUOROMETHANE	0.000		0	N.D.	
12) ETHYL ETHER	0.000		0	N.D.	
13) ACROLEIN	2.554	56	870	0.5953521 ppb #	14
14) 1,1-DICHLOROETHENE	0.000		0	N.D.	
15) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
16) ACETONE	2.715	43	4927	2.2053721 ppb #	82
17) IODOMETHANE	0.000		0	N.D.	
18) CARBON DISULFIDE	2.390	76	3818	N.D.	
19) METHYLENE CHLORIDE	2.692	84	7907	0.7480587 ppb	85
20) ACRYLONITRILE	3.116	53	1318	0.4654235 ppb #	17
21) n-Hexane	2.821	56	644	N.D.	
22) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
23) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
24) 1,1-DICHLOROETHANE	0.000		0	N.D.	
25) VINYL ACETATE	0.000		0	N.D.	
26) DI-ISOPROPYL ETHER	0.000		0	N.D.	
27) 2,2-Dichloropropane	0.000		0	N.D.	
28) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
29) 2-BUTANONE (MEK)	3.737	43	1026	N.D.	
30) BROMOCHLOROMETHANE	0.000		0	N.D.	
31) TETRAHYDROFURAN	3.666	42	1255	0.4511376 ppb #	80
32) CHLOROFORM	3.570	83	13632	0.8072652 ppb	95
34) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
35) CARBON TETRACHLORIDE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

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Acq On : 12 Jul 2014 1:50 am
Operator : 644
Sample : INSTBLK
Misc : water IS/SURR14F17495
ALS Vial : 30 Sample Multiplier: 1
InstName : VOCMS23

Quant Time: Jul 12 17:13:27 2014
Quant Method : C:\msdchem\1\methods\V823G11N.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS23
QLast Update : Sat Jul 12 17:12:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,1-Dichloropropene	3.846	75	578	N.D.	
37) 2,2,4-TRIMETHYLPENTANE	3.814	57	5013	N.D.	
38) HEPTANE	3.817	43	1265	N.D.	
39) BENZENE	3.904	78	1108	N.D.	
40) 1,2-DICHLOROETHANE	3.914	62	2329	N.D.	
42) TRICHLOROETHENE	0.000		0	N.D.	
43) 1,2-DICHLOROPROPANE	4.605	62	8169	1.2056588 ppb #	53
44) DIBROMOMETHANE	0.000		0	N.D.	
45) BROMODICHLOROMETHANE	4.608	83	649	N.D.	
47) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
48) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
49) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
51) TOLUENE	5.104	91	1356	N.D.	
52) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
54) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
55) TETRACHLOROETHENE	5.354	164	872	N.D.	
56) 1,3-Dichloropropane	5.647	76	580	N.D.	
57) 2-HEXANONE	0.000		0	N.D.	
58) CHLORODIBROMOMETHANE	0.000		0	N.D.	
59) 1,2-DIBROMOETHANE	0.000		0	N.D.	
60) CHLOROBENZENE	0.000		0	N.D.	
61) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	
62) ETHYLBENZENE	0.000		0	N.D.	
63) M&P-XYLENE	6.213	106	614	N.D.	
64) O-XYLENE	0.000		0	N.D.	
65) STYRENE	0.000		0	N.D.	
66) Bromoform	0.000		0	N.D.	
67) Isopropylbenzene	6.817	105	586	N.D.	
69) Bromobenzene	7.046	77	724	N.D.	
70) 1,1,2,2-TETRACHLOROETHANE	7.242	83	652	N.D.	
71) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
72) TRANS-1,4-DICHLORO-2-B...	7.242	53	946	0.3588266 ppb #	25
73) n-Propylbenzene	6.956	91	824	N.D.	
74) 4-ETHYLTOLUENE	7.123	105	907	N.D.	
75) 2-Chlorotoluene	0.000		0	N.D.	
76) 4-Chlorotoluene	0.000		0	N.D.	
77) 1,3,5-Trimethylbenzene	7.187	105	612	N.D.	
78) tert-Butylbenzene	7.457	119	3661	N.D.	
79) 1,2,4-Trimethylbenzene	0.000		0	N.D.	
80) sec-Butylbenzene	0.000		0	N.D.	
81) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
82) p-Isopropyltoluene	7.669	119	648	N.D.	
83) DICYCLOPENTADIENE	0.000		0	N.D.	
85) 1,4-DICHLOROBENZENE	7.820	146	545	N.D.	
86) 1,2,3-TRIMETHYLBENZENE	7.833	105	1655	N.D.	
87) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
88) n-Butylbenzene	0.000		0	N.D.	
89) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
91) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
92) Naphthalene	9.627	128	2394	N.D.	
93) 1,2,3-Trichlorobenzene	0.000		0	N.D.	
94) 1-Methylnaphthalene	10.496	142	1768	N.D.	
95) 2-Methylnaphthalene	10.615	142	1327	N.D.	

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Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
97)	ETHANOL	2.313	45	1304	16.1185853 ppb	#	32
98)	Bromoethane	0.000		0	N.D.		
99)	2-PROPANOL	0.000		0	N.D.		
100)	Methyl Acetate	2.779	43	11807	1.9310145 ppb	#	89
101)	ACETONITRILE	2.981	41	8326	9.4472956 ppb		96
102)	ALLYL CHLORIDE	0.000		0	N.D.		
103)	tert-BUTYL ALCOHOL	2.882	59	2399	2.4527252 ppb	#	62
104)	chloroprene	3.116	53	1318	N.D.		
105)	ETHYL TERT-BUTYL ETHER	3.239	59	1089	N.D.		
106)	PROPIONITRILE	3.904	54	8041	7.2869682 ppb	#	2
107)	Ethyl Acetate	3.618	43	7979	1.1626637 ppb		98
108)	METHACRYLONITRILE	3.917	67	18814	5.7974783 ppb		95
109)	Cyclohexane	0.000		0	N.D.		
110)	tert-butyl formate	3.811	59	5804	0.7569045 ppb		91
111)	ISOBUTANOL	3.975	43	7739	14.8414548 ppb	#	96
112)	t-Amyl Alcohol	4.046	59	604	0.7895750 ppb	#	28
113)	TERT-AMYL METHYL ETHER	3.946	73	760	N.D.		
115)	N-BUTANOL	4.377	56	14411	51.0702596 ppb		99
116)	Methyl Cyclohexane	4.235	83	8975	Below Cal	#	41
117)	2-nitropropane	5.239	43	4390	1.7400506 ppb	#	82
118)	METHYL METHACRYLATE	4.634	41	3822	0.5420636 ppb	#	18
119)	1,4-DIOXANE	4.682	88	4065	20.1948602 ppb	#	88
120)	n-octane	0.000		0	N.D.		
121)	3,3-DIMETHYL-1-BUTANOL	5.837	57	5862	7.0922392 ppb		93
123)	ETHYL METHACRYLATE	5.435	69	6557	0.6417079 ppb	#	34
124)	CIS-1,4-DICHLORO-2-BUTENE	6.994	53	2646	0.9562219 ppb	#	26
125)	Cyclohexanone	7.245	55	7185	4.1306477 ppb		97
126)	PENTACHLOROETHANE	7.454	117	3389	0.7257960 ppb		86
127)	Hexachloroethane	8.132	117	1035	N.D.		

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

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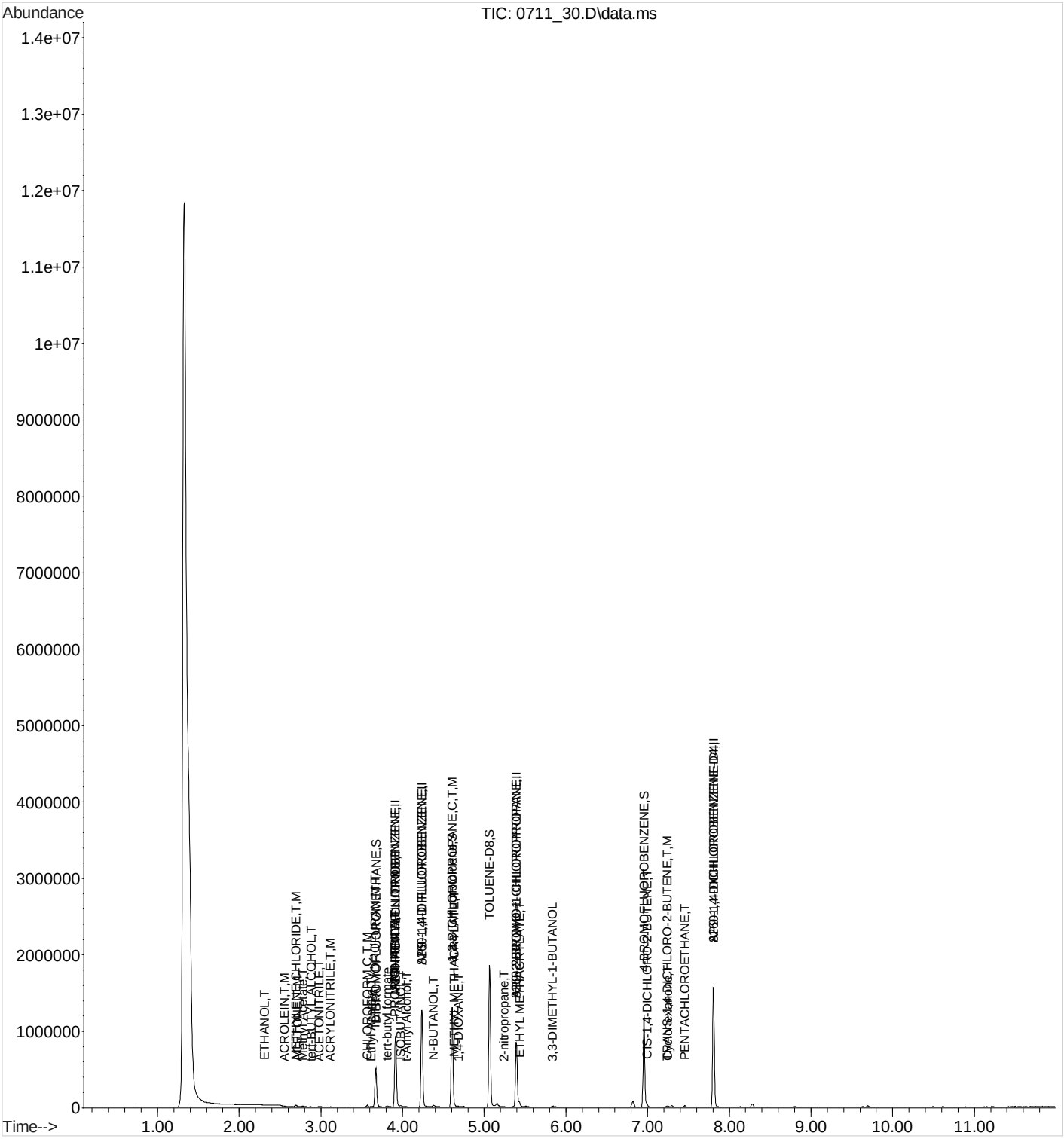

V823G11N.M Sat Jul 12 17:13:32 2014 Page: 4

CHAIN-OF-CUSTODY RECORD

URS
8181 East Tufts Avenue
Denver, CO 80237
Phone: (303) 694-2770
Fax: (303) 694-3946

LAB: ESC

PROJECT NAME	PROJECT NUMBER
Holloman AFB	23446543.0053AA
Project Manager: Sheri Fling	**Sample Manager:** Jon Mallonee
Project Mgr Phone: (303) 332-5297	**Sample Mgr Office Phone:** (301) 512-3395

TESTS

CONTAINER TYPE AND PRESERVATIVE

Sample ID	Date	Time	Matrix	Total Containers	GRO 8015B (2 x 40ml V, HCl <6C)	DRO/ORO (2 x 40ml V, HCl <6C)	VOCs 8260B (2 x 40ml V, HCl <6C)	PAH 8270C-SIM (2 x 40ml V, <6C)	Tot Met/6010B/6020B/7470A (500ml P HNO3, <6C)	Dis Met/6010B/6020B/7470A (500ml P HNO3, <6C, Filtered)	TDS (250ml P AG, <6C)	DOC (40ml V, H2SO4, <6C)	CENSUS-DNA / Enzymes (1 L, <6C)	Remarks
H-TU904-FIELD BLANK-DT01	7/25/14	0900	WQ	4	X		X							L712424-01
H-TU904-MW01-NT01	7/24/14	1305	GW	4	X		X							-02
H-TU904-MW02-NT01	7/24	1030	GW	4	X		X							-03
H-TU904-MW02-DT01	"	"	GW	4	X		X							-04
H-TU904-MW03-NT01	7/24	1045	GW	12	X		X							3x VOLUME FOR MS/MSD -05
H-TU904-MW04-NT01	7/24	1304	GW	4	X		X							-06
H-TU904-MW07-NT01	7/25/14	0825	GW	4	X		X							-07
H-TU904-TRIP BLANK-TT02	7/24/14	1100	WQ	2	X		X							-08

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature
Printed Name: JON MALLONEE	Printed Name	Printed Name	Printed Name
Firm: URS	Firm	Firm	Firm
Date/Time: 7/25/14 1300	Date/Time	Date/Time	Date/Time

Special Instructions:
1. All soil samples require percent moisture.
2. The circled analyses represent those analyses for which bottles are contained in this cooler.
3. The total number of containers represents all containers for a given sample ID regardless of the cooler in which they are contained.
4. Level IV package required.

COOLER #3

Container Key:
P = Plastic A = Amber
V = Vial G = Glass

JWS 3.6 COOL

6084 7172 2145 7/26/14 0700 Count-38 VP

L712424

ESC
L·A·B S·C·I·E·N·C·E·S

Cooler Receipt Form

Client: URSTAZ

Cooler Received On: 7/24/14 and Opened On: 7/26/14 By: Dustin Carnelison

(Signature)

Temperature of cooler when opened: 3.6 Degrees Celsius/ Was sufficient ice used: Yes ☑ No ☐

What kind of packing material was used? Bubblewrap ☑ Peanuts ☐ Other ☐ None ☐

		Yes	No	N/A
Were custody seals on outside of cooler and intact?		☑	☐	☐
Were custody papers properly filled out (ink, signed, etc.)?		☑	☐	☐
Did you sign the custody papers in the appropriate place?		☑	☐	☐
Did all bottles arrive in good condition?		☑	☐	☐
Were all bottle labels complete? (#, date, signed, pres, etc)?		☑	☐	☐
Did all bottle labels and tags agree with custody papers?		☑	☐	☐
Were correct bottles used for the analyses requested?		☑	☐	☐
Was sufficient amount of sample sent in each bottle?		☑	☐	☐
Were correct preservatives used?		☑	☐	☐
If applicable, was an observable VOA headspace present?	NA	☐	☐	☐
Non Conformance Generated: *(See attached NCF if yes)*		☐	☐	

ESC Lab Sciences

Login Confirmation Report

July 30, 2014 - 14:10

YOUR LAB OF CHOICE

Account: URSTAZ - URS Corporation -Tucson AZ - 1088308

Login #	**L712424**	Receive Date: 07/26/2014	TSR: Pam Langford
Template #		Entered: 07/26/2014	By: Jason Romer
Report to:	Sheri Fling	Lab Project Number: URSTAZ-DOD	**Report MDL: Y**
	333 East Wetmore Rd, Ste 400	Client Project # 23446543.0053AA	**HDC: N**
	Tucson, AZ 85705	Project Description:	PO # 263693
		Collected By: Jon Mallonee	PO Req: N
Phone:	(520) 887-1800 FAX:	Reg. State: AZ	Terms: 90
Email:	sheri.fling@urscorp.com		Quote #

Proj/Acct Comments: **Please complete cooler receipt forms; PO #'s needed**
Use PO#263693 william.neese@urs.com on invoices-Picacho Site

Matrix	Test	Sample ID	Collection Date	Design ID	Method	Unit Price
L712424-01		**H-TU904-FIELDBLANK-BT01**	**07/25/2014 09:00** Sample Description: Holloman AFB Sample Comments: QC4. DOD.	**Site:**	**Est. Due Date*: 08/01/2014 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	GRO	TPH Low Fraction		DEFAULT	8015D/GRO	$ 60.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		DEFAULT	8260B	$ 85.00
Misc	DISPOSAL	Sample Disposal Charge				$ 0.00
Misc	ENERGY	Energy Surcharge				$ 10.00
Misc	HARDCOPY	Hardcopy Report Charge				$ 0.00
Misc	SHIPPING	Inbound Transport Charge				$ 0.00
L712424-02		**H-TU904-MW01-NT01**	**07/24/2014 13:05** Sample Description: Holloman AFB	**Site:**	**Est. Due Date*: 08/01/2014 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	GRO	TPH Low Fraction		DEFAULT	8015D/GRO	$ 60.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		DEFAULT	8260B	$ 85.00
L712424-03		**H-TU904-MW02-NT01**	**07/24/2014 10:30** Sample Description: Holloman AFB	**Site:**	**Est. Due Date*: 08/01/2014 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	GRO	TPH Low Fraction		DEFAULT	8015D/GRO	$ 60.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		DEFAULT	8260B	$ 85.00
L712424-04		**H-TU904-MW02-DT01**	**07/24/2014 10:30** Sample Description: Holloman AFB	**Site:**	**Est. Due Date*: 08/01/2014 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	GRO	TPH Low Fraction		DEFAULT	8015D/GRO	$ 60.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		DEFAULT	8260B	$ 85.00

L712424-05		**H-TU904-MW03-NT01**	**07/24/2014 10:45** Sample Description: Holloman AFB Sample Comments: QC4. DOD. MS/MSD sample	**Site:**	**Est. Due Date*: 08/01/2014 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	GRO	TPH Low Fraction		DEFAULT	8015D/GRO	$ 60.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		DEFAULT	8260B	$ 85.00
L712424-06		**H-TU904-MW04-NT01**	**07/24/2014 13:04** Sample Description: Holloman AFB	**Site:**	**Est. Due Date*: 08/01/2014 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	GRO	TPH Low Fraction		DEFAULT	8015D/GRO	$ 60.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		DEFAULT	8260B	$ 85.00
L712424-07		**H-TU904-MW07-NT01**	**07/25/2014 08:25** Sample Description: Holloman AFB	**Site:**	**Est. Due Date*: 08/01/2014 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	GRO	TPH Low Fraction		DEFAULT	8015D/GRO	$ 60.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		DEFAULT	8260B	$ 85.00
L712424-08		**H-TU904-TRIPBLANK-TT02**	**07/24/2014 11:00** Sample Description: Holloman AFB	**Site:**	**Est. Due Date*: 08/01/2014 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	GRO	TPH Low Fraction		DEFAULT	8015D/GRO	$ 60.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		DEFAULT	8260B	$ 85.00

Information Only - Not An Invoice - Do Not Pay! Total: $ 1,170.00

*** Due Date listed is an estimate based on average workloads. Please communicate required dates to your TSR.**