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Quality Control Summary
SDG: L800830

For: URS Corporation - Tucson AZ - 1088308
Holloman AFB

L800830

Lab SampleID.	Client ID
L800830-01	TRIPBLANK-LT06
L800830-02	TRIPBLANK-LT07
L800830-03	FIELD BLANK-FT07
L800830-04	FIELD BLANK-FT11

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YOUR LAB OF CHOICE

Quality Control Summary

SDG: L800830

For: URS Corporation - Tucson AZ - 1088308
Project: Holloman AFB
February 3, 2016

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 Organic Compounds by Method 8260B

Laboratory Control Sample

Samples L800830-01, -02, -03, and -04 were analyzed in analytical batch WG829141. 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 WG829141 matrix spike/matrix spike duplicate analysis was performed on sample L800480-05. 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 VOCMS25 was calibrated on 9/15/2015. 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: 2016.02.03 10:48:56 -06'00'

Nancy F. McLain
ESC Representative
ESC Lab Sciences

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Dale Flores and Arielle Bisoglio
URS
8181 E. Tufts Avenue
Denver, CO 80237

Report Summary

Tuesday February 02, 2016

Report Number: L800830
Samples Received: 11/13/15
Client Project: 60425210.23446543

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 - 1461-01,1461-02, 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

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Dale Flores and Arielle Bisoglio
URS
8181 E. Tufts Avenue
Denver, CO 80237

February 02, 2016

ESC Sample # : L800830-01

Date Received : November 13, 2015
Description : Holloman AFB

Site ID :

Sample ID : TRIPBLANK-LT06

Project # : 60425210.23446543

Collected By : Katie Abbott
Collection Date : 11/09/15 00:00

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
Volatile Organics										
Acetone	67-64-1	U	10	25.0	50	ug/l		8260B	11/15/15	1
Benzene	71-43-2	U	0.331	0.500	1	ug/l		8260B	11/15/15	1
Bromobenzene	108-86-1	U	0.352	0.500	1	ug/l		8260B	11/15/15	1
Bromochloromethane	74-97-5	U	0.52	0.750	1	ug/l		8260B	11/15/15	1
Bromodichloromethane	75-27-4	U	0.38	0.500	1	ug/l		8260B	11/15/15	1
Bromoform	75-25-2	U	0.469	0.500	1	ug/l		8260B	11/15/15	1
Bromomethane	74-83-9	U	0.866	2.50	5	ug/l		8260B	11/15/15	1
n-Butylbenzene	104-51-8	U	0.361	0.500	1	ug/l		8260B	11/15/15	1
sec-Butylbenzene	135-98-8	U	0.365	0.500	1	ug/l		8260B	11/15/15	1
tert-Butylbenzene	98-06-6	U	0.399	0.500	1	ug/l		8260B	11/15/15	1
Carbon Disulfide	75-15-0	U	0.275	0.500	1	ug/l		8260B	11/15/15	1
Carbon tetrachloride	56-23-5	U	0.379	0.500	1	ug/l		8260B	11/15/15	1
Chlorobenzene	108-90-7	U	0.348	0.500	1	ug/l		8260B	11/15/15	1
Chlorodibromomethane	124-48-1	U	0.327	0.500	1	ug/l		8260B	11/15/15	1
Chloroethane	75-00-3	U	0.453	2.50	5	ug/l		8260B	11/15/15	1
Chloroform	67-66-3	U	0.324	2.50	5	ug/l		8260B	11/15/15	1
Chloromethane	74-87-3	U	0.276	0.500	2.5	ug/l		8260B	11/15/15	1
2-Chlorotoluene	95-49-8	U	0.375	0.500	1	ug/l		8260B	11/15/15	1
4-Chlorotoluene	106-43-4	U	0.351	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.33	2.50	5	ug/l		8260B	11/15/15	1
1,2-Dibromoethane	106-93-4	U	0.381	0.500	1	ug/l		8260B	11/15/15	1
Dibromomethane	74-95-3	U	0.346	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichlorobenzene	95-50-1	U	0.349	0.500	1	ug/l		8260B	11/15/15	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.500	1	ug/l		8260B	11/15/15	1
1,4-Dichlorobenzene	106-46-7	U	0.274	0.500	1	ug/l		8260B	11/15/15	1
Dichlorodifluoromethane	75-71-8	U	0.551	2.50	5	ug/l		8260B	11/15/15	1
1,1-Dichloroethane	75-34-3	U	0.259	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichloroethane	107-06-2	U	0.361	0.500	1	ug/l		8260B	11/15/15	1
1,1-Dichloroethene	75-35-4	U	0.398	0.500	1	ug/l		8260B	11/15/15	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.500	1	ug/l		8260B	11/15/15	1
trans-1,2-Dichloroethene	156-60-5	U	0.396	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichloropropane	78-87-5	U	0.306	0.500	1	ug/l		8260B	11/15/15	1
1,1-Dichloropropene	563-58-6	U	0.352	0.500	1	ug/l		8260B	11/15/15	1
1,3-Dichloropropane	142-28-9	U	0.366	0.500	1	ug/l		8260B	11/15/15	1
cis-1,3-Dichloropropene	10061-01-5	U	0.418	0.500	1	ug/l		8260B	11/15/15	1
trans-1,3-Dichloropropene	10061-02-6	U	0.419	0.500	1	ug/l		8260B	11/15/15	1
2,2-Dichloropropane	594-20-7	U	0.321	0.500	1	ug/l		8260B	11/15/15	1
Ethylbenzene	100-41-4	U	0.384	0.500	1	ug/l		8260B	11/15/15	1
2-Hexanone	591-78-6	U	3.82	5.00	10	ug/l		8260B	11/15/15	1
Hexachloro-1,3-butadiene	87-68-3	U	0.256	0.500	1	ug/l		8260B	11/15/15	1
Isopropylbenzene	98-82-8	U	0.326	0.500	1	ug/l		8260B	11/15/15	1
p-Isopropyltoluene	99-87-6	U	0.35	0.500	1	ug/l		8260B	11/15/15	1
2-Butanone (MEK)	78-93-3	U	3.93	5.00	10	ug/l		8260B	11/15/15	1
Methylene Chloride	75-09-2	1.42	1	2.50	5	ug/l	J	8260B	11/15/15	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.14	5.00	10	ug/l		8260B	11/15/15	1

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

Dale Flores and Arielle Bisoglio
URS
8181 E. Tufts Avenue
Denver, CO 80237

February 02, 2016

ESC Sample # : L800830-01

Date Received : November 13, 2015
Description : Holloman AFB

Site ID :

Sample ID : TRIPBLANK-LT06

Project # : 60425210.23446543

Collected By : Katie Abbott
Collection Date : 11/09/15 00:00

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
Methyl tert-butyl ether	1634-04-4	U	0.367	0.500	1	ug/l		8260B	11/15/15	1
Methyl Cyclohexane	108-87-2	U	0.38	0.500	1	ug/l		8260B	11/15/15	1
Naphthalene	91-20-3	U	1	2.50	5	ug/l		8260B	11/15/15	1
n-Propylbenzene	103-65-1	U	0.349	0.500	1	ug/l		8260B	11/15/15	1
Styrene	100-42-5	U	0.307	0.500	1	ug/l		8260B	11/15/15	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.385	0.500	1	ug/l		8260B	11/15/15	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.750	1	ug/l		8260B	11/15/15	1
Tetrachloroethene	127-18-4	U	0.372	0.500	1	ug/l		8260B	11/15/15	1
Toluene	108-88-3	U	0.78	2.50	5	ug/l		8260B	11/15/15	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.500	1	ug/l		8260B	11/15/15	1
1,2,4-Trichlorobenzene	120-82-1	U	0.355	0.500	1	ug/l		8260B	11/15/15	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.500	1	ug/l		8260B	11/15/15	1
1,1,2-Trichloroethane	79-00-5	U	0.383	0.500	1	ug/l		8260B	11/15/15	1
Trichloroethene	79-01-6	U	0.398	0.500	1	ug/l		8260B	11/15/15	1
Trichlorofluoromethane	75-69-4	U	1.2	2.50	5	ug/l		8260B	11/15/15	1
1,2,3-Trichloropropane	96-18-4	U	0.807	1.00	2.5	ug/l		8260B	11/15/15	1
1,2,4-Trimethylbenzene	95-63-6	U	0.373	0.500	1	ug/l		8260B	11/15/15	1
1,3,5-Trimethylbenzene	108-67-8	U	0.387	0.500	1	ug/l		8260B	11/15/15	1
o-Xylene	95-47-6	U	0.341	0.500	1	ug/l		8260B	11/15/15	1
m&p-Xylene	1330-20-7	U	0.719	1.00	2	ug/l		8260B	11/15/15	1
Vinyl chloride	75-01-4	U	0.259	0.500	1	ug/l		8260B	11/15/15	1
Surrogate Recovery										
Toluene-d8	2037-26-5	106.				% Rec.		8260B	11/15/15	1
Dibromofluoromethane	1868-53-7	101.				% Rec.		8260B	11/15/15	1
4-Bromofluorobenzene	460-00-4	99.2				% Rec.		8260B	11/15/15	1

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REPORT OF ANALYSIS

Dale Flores and Arielle Bisoglio
URS
8181 E. Tufts Avenue
Denver, CO 80237

February 02, 2016

ESC Sample # : L800830-02

Date Received : November 13, 2015
Description : Holloman AFB

Site ID :

Sample ID : TRIPBLANK-LT07

Project # : 60425210.23446543

Collected By : Katie Abbott
Collection Date : 11/11/15 00:00

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
Volatile Organics										
Acetone	67-64-1	U	10	25.0	50	ug/l		8260B	11/15/15	1
Benzene	71-43-2	U	0.331	0.500	1	ug/l		8260B	11/15/15	1
Bromobenzene	108-86-1	U	0.352	0.500	1	ug/l		8260B	11/15/15	1
Bromochloromethane	74-97-5	U	0.52	0.750	1	ug/l		8260B	11/15/15	1
Bromodichloromethane	75-27-4	U	0.38	0.500	1	ug/l		8260B	11/15/15	1
Bromoform	75-25-2	U	0.469	0.500	1	ug/l		8260B	11/15/15	1
Bromomethane	74-83-9	U	0.866	2.50	5	ug/l		8260B	11/15/15	1
n-Butylbenzene	104-51-8	U	0.361	0.500	1	ug/l		8260B	11/15/15	1
sec-Butylbenzene	135-98-8	U	0.365	0.500	1	ug/l		8260B	11/15/15	1
tert-Butylbenzene	98-06-6	U	0.399	0.500	1	ug/l		8260B	11/15/15	1
Carbon Disulfide	75-15-0	U	0.275	0.500	1	ug/l		8260B	11/15/15	1
Carbon tetrachloride	56-23-5	U	0.379	0.500	1	ug/l		8260B	11/15/15	1
Chlorobenzene	108-90-7	U	0.348	0.500	1	ug/l		8260B	11/15/15	1
Chlorodibromomethane	124-48-1	U	0.327	0.500	1	ug/l		8260B	11/15/15	1
Chloroethane	75-00-3	U	0.453	2.50	5	ug/l		8260B	11/15/15	1
Chloroform	67-66-3	U	0.324	2.50	5	ug/l		8260B	11/15/15	1
Chloromethane	74-87-3	U	0.276	0.500	2.5	ug/l		8260B	11/15/15	1
2-Chlorotoluene	95-49-8	U	0.375	0.500	1	ug/l		8260B	11/15/15	1
4-Chlorotoluene	106-43-4	U	0.351	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.33	2.50	5	ug/l		8260B	11/15/15	1
1,2-Dibromoethane	106-93-4	U	0.381	0.500	1	ug/l		8260B	11/15/15	1
Dibromomethane	74-95-3	U	0.346	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichlorobenzene	95-50-1	U	0.349	0.500	1	ug/l		8260B	11/15/15	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.500	1	ug/l		8260B	11/15/15	1
1,4-Dichlorobenzene	106-46-7	U	0.274	0.500	1	ug/l		8260B	11/15/15	1
Dichlorodifluoromethane	75-71-8	U	0.551	2.50	5	ug/l		8260B	11/15/15	1
1,1-Dichloroethane	75-34-3	U	0.259	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichloroethane	107-06-2	U	0.361	0.500	1	ug/l		8260B	11/15/15	1
1,1-Dichloroethene	75-35-4	U	0.398	0.500	1	ug/l		8260B	11/15/15	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.500	1	ug/l		8260B	11/15/15	1
trans-1,2-Dichloroethene	156-60-5	U	0.396	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichloropropane	78-87-5	U	0.306	0.500	1	ug/l		8260B	11/15/15	1
1,1-Dichloropropene	563-58-6	U	0.352	0.500	1	ug/l		8260B	11/15/15	1
1,3-Dichloropropane	142-28-9	U	0.366	0.500	1	ug/l		8260B	11/15/15	1
cis-1,3-Dichloropropene	10061-01-5	U	0.418	0.500	1	ug/l		8260B	11/15/15	1
trans-1,3-Dichloropropene	10061-02-6	U	0.419	0.500	1	ug/l		8260B	11/15/15	1
2,2-Dichloropropane	594-20-7	U	0.321	0.500	1	ug/l		8260B	11/15/15	1
Ethylbenzene	100-41-4	U	0.384	0.500	1	ug/l		8260B	11/15/15	1
2-Hexanone	591-78-6	U	3.82	5.00	10	ug/l		8260B	11/15/15	1
Hexachloro-1,3-butadiene	87-68-3	U	0.256	0.500	1	ug/l		8260B	11/15/15	1
Isopropylbenzene	98-82-8	U	0.326	0.500	1	ug/l		8260B	11/15/15	1
p-Isopropyltoluene	99-87-6	U	0.35	0.500	1	ug/l		8260B	11/15/15	1
2-Butanone (MEK)	78-93-3	U	3.93	5.00	10	ug/l		8260B	11/15/15	1
Methylene Chloride	75-09-2	1.44	1	2.50	5	ug/l	J	8260B	11/15/15	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.14	5.00	10	ug/l		8260B	11/15/15	1

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

Dale Flores and Arielle Bisoglio
URS
8181 E. Tufts Avenue
Denver, CO 80237

February 02, 2016

ESC Sample # : L800830-02

Date Received : November 13, 2015
Description : Holloman AFB

Site ID :

Sample ID : TRIPBLANK-LT07

Project # : 60425210.23446543

Collected By : Katie Abbott
Collection Date : 11/11/15 00:00

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
Methyl tert-butyl ether	1634-04-4	U	0.367	0.500	1	ug/l		8260B	11/15/15	1
Methyl Cyclohexane	108-87-2	U	0.38	0.500	1	ug/l		8260B	11/15/15	1
Naphthalene	91-20-3	U	1	2.50	5	ug/l		8260B	11/15/15	1
n-Propylbenzene	103-65-1	U	0.349	0.500	1	ug/l		8260B	11/15/15	1
Styrene	100-42-5	U	0.307	0.500	1	ug/l		8260B	11/15/15	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.385	0.500	1	ug/l		8260B	11/15/15	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.750	1	ug/l		8260B	11/15/15	1
Tetrachloroethene	127-18-4	U	0.372	0.500	1	ug/l		8260B	11/15/15	1
Toluene	108-88-3	U	0.78	2.50	5	ug/l		8260B	11/15/15	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.500	1	ug/l		8260B	11/15/15	1
1,2,4-Trichlorobenzene	120-82-1	U	0.355	0.500	1	ug/l		8260B	11/15/15	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.500	1	ug/l		8260B	11/15/15	1
1,1,2-Trichloroethane	79-00-5	U	0.383	0.500	1	ug/l		8260B	11/15/15	1
Trichloroethene	79-01-6	U	0.398	0.500	1	ug/l		8260B	11/15/15	1
Trichlorofluoromethane	75-69-4	U	1.2	2.50	5	ug/l		8260B	11/15/15	1
1,2,3-Trichloropropane	96-18-4	U	0.807	1.00	2.5	ug/l		8260B	11/15/15	1
1,2,4-Trimethylbenzene	95-63-6	U	0.373	0.500	1	ug/l		8260B	11/15/15	1
1,3,5-Trimethylbenzene	108-67-8	U	0.387	0.500	1	ug/l		8260B	11/15/15	1
o-Xylene	95-47-6	U	0.341	0.500	1	ug/l		8260B	11/15/15	1
m&p-Xylene	1330-20-7	U	0.719	1.00	2	ug/l		8260B	11/15/15	1
Vinyl chloride	75-01-4	U	0.259	0.500	1	ug/l		8260B	11/15/15	1
Surrogate Recovery										
Toluene-d8	2037-26-5	100.				% Rec.		8260B	11/15/15	1
Dibromofluoromethane	1868-53-7	100.				% Rec.		8260B	11/15/15	1
4-Bromofluorobenzene	460-00-4	94.0				% Rec.		8260B	11/15/15	1

U = Not Detected at the LOD
Note:
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Reported: 11/17/15 10:00 Revised: 02/02/16 20:57

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Dale Flores and Arielle Bisoglio
URS
8181 E. Tufts Avenue
Denver, CO 80237

February 02, 2016

ESC Sample # : L800830-03

Date Received : November 13, 2015
Description : Holloman AFB

Site ID :

Sample ID : FIELD BLANK-FT07

Project # : 60425210.23446543

Collected By : Katie Abbott
Collection Date : 11/11/15 17:40

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
Volatile Organics										
Acetone	67-64-1	U	10	25.0	50	ug/l		8260B	11/15/15	1
Benzene	71-43-2	U	0.331	0.500	1	ug/l		8260B	11/15/15	1
Bromobenzene	108-86-1	U	0.352	0.500	1	ug/l		8260B	11/15/15	1
Bromochloromethane	74-97-5	U	0.52	0.750	1	ug/l		8260B	11/15/15	1
Bromodichloromethane	75-27-4	U	0.38	0.500	1	ug/l		8260B	11/15/15	1
Bromoform	75-25-2	U	0.469	0.500	1	ug/l		8260B	11/15/15	1
Bromomethane	74-83-9	U	0.866	2.50	5	ug/l		8260B	11/15/15	1
n-Butylbenzene	104-51-8	U	0.361	0.500	1	ug/l		8260B	11/15/15	1
sec-Butylbenzene	135-98-8	U	0.365	0.500	1	ug/l		8260B	11/15/15	1
tert-Butylbenzene	98-06-6	U	0.399	0.500	1	ug/l		8260B	11/15/15	1
Carbon Disulfide	75-15-0	U	0.275	0.500	1	ug/l		8260B	11/15/15	1
Carbon tetrachloride	56-23-5	U	0.379	0.500	1	ug/l		8260B	11/15/15	1
Chlorobenzene	108-90-7	U	0.348	0.500	1	ug/l		8260B	11/15/15	1
Chlorodibromomethane	124-48-1	U	0.327	0.500	1	ug/l		8260B	11/15/15	1
Chloroethane	75-00-3	U	0.453	2.50	5	ug/l		8260B	11/15/15	1
Chloroform	67-66-3	1.88	0.324	2.50	5	ug/l	J	8260B	11/15/15	1
Chloromethane	74-87-3	U	0.276	0.500	2.5	ug/l		8260B	11/15/15	1
2-Chlorotoluene	95-49-8	U	0.375	0.500	1	ug/l		8260B	11/15/15	1
4-Chlorotoluene	106-43-4	U	0.351	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.33	2.50	5	ug/l		8260B	11/15/15	1
1,2-Dibromoethane	106-93-4	U	0.381	0.500	1	ug/l		8260B	11/15/15	1
Dibromomethane	74-95-3	U	0.346	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichlorobenzene	95-50-1	U	0.349	0.500	1	ug/l		8260B	11/15/15	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.500	1	ug/l		8260B	11/15/15	1
1,4-Dichlorobenzene	106-46-7	U	0.274	0.500	1	ug/l		8260B	11/15/15	1
Dichlorodifluoromethane	75-71-8	U	0.551	2.50	5	ug/l		8260B	11/15/15	1
1,1-Dichloroethane	75-34-3	U	0.259	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichloroethane	107-06-2	U	0.361	0.500	1	ug/l		8260B	11/15/15	1
1,1-Dichloroethene	75-35-4	U	0.398	0.500	1	ug/l		8260B	11/15/15	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.500	1	ug/l		8260B	11/15/15	1
trans-1,2-Dichloroethene	156-60-5	U	0.396	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichloropropane	78-87-5	U	0.306	0.500	1	ug/l		8260B	11/15/15	1
1,1-Dichloropropene	563-58-6	U	0.352	0.500	1	ug/l		8260B	11/15/15	1
1,3-Dichloropropane	142-28-9	U	0.366	0.500	1	ug/l		8260B	11/15/15	1
cis-1,3-Dichloropropene	10061-01-5	U	0.418	0.500	1	ug/l		8260B	11/15/15	1
trans-1,3-Dichloropropene	10061-02-6	U	0.419	0.500	1	ug/l		8260B	11/15/15	1
2,2-Dichloropropane	594-20-7	U	0.321	0.500	1	ug/l		8260B	11/15/15	1
Ethylbenzene	100-41-4	U	0.384	0.500	1	ug/l		8260B	11/15/15	1
2-Hexanone	591-78-6	U	3.82	5.00	10	ug/l		8260B	11/15/15	1
Hexachloro-1,3-butadiene	87-68-3	U	0.256	0.500	1	ug/l		8260B	11/15/15	1
Isopropylbenzene	98-82-8	U	0.326	0.500	1	ug/l		8260B	11/15/15	1
p-Isopropyltoluene	99-87-6	U	0.35	0.500	1	ug/l		8260B	11/15/15	1
2-Butanone (MEK)	78-93-3	U	3.93	5.00	10	ug/l		8260B	11/15/15	1
Methylene Chloride	75-09-2	1.98	1	2.50	5	ug/l	J	8260B	11/15/15	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.14	5.00	10	ug/l		8260B	11/15/15	1

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Dale Flores and Arielle Bisoglio
URS
8181 E. Tufts Avenue
Denver, CO 80237

February 02, 2016

ESC Sample # : L800830-03

Date Received : November 13, 2015
Description : Holloman AFB

Site ID :

Sample ID : FIELD BLANK-FT07

Project # : 60425210.23446543

Collected By : Katie Abbott
Collection Date : 11/11/15 17:40

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
Methyl tert-butyl ether	1634-04-4	U	0.367	0.500	1	ug/l		8260B	11/15/15	1
Methyl Cyclohexane	108-87-2	U	0.38	0.500	1	ug/l		8260B	11/15/15	1
Naphthalene	91-20-3	U	1	2.50	5	ug/l		8260B	11/15/15	1
n-Propylbenzene	103-65-1	U	0.349	0.500	1	ug/l		8260B	11/15/15	1
Styrene	100-42-5	U	0.307	0.500	1	ug/l		8260B	11/15/15	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.385	0.500	1	ug/l		8260B	11/15/15	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.750	1	ug/l		8260B	11/15/15	1
Tetrachloroethene	127-18-4	U	0.372	0.500	1	ug/l		8260B	11/15/15	1
Toluene	108-88-3	U	0.78	2.50	5	ug/l		8260B	11/15/15	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.500	1	ug/l		8260B	11/15/15	1
1,2,4-Trichlorobenzene	120-82-1	U	0.355	0.500	1	ug/l		8260B	11/15/15	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.500	1	ug/l		8260B	11/15/15	1
1,1,2-Trichloroethane	79-00-5	U	0.383	0.500	1	ug/l		8260B	11/15/15	1
Trichloroethene	79-01-6	U	0.398	0.500	1	ug/l		8260B	11/15/15	1
Trichlorofluoromethane	75-69-4	U	1.2	2.50	5	ug/l		8260B	11/15/15	1
1,2,3-Trichloropropane	96-18-4	U	0.807	1.00	2.5	ug/l		8260B	11/15/15	1
1,2,4-Trimethylbenzene	95-63-6	U	0.373	0.500	1	ug/l		8260B	11/15/15	1
1,3,5-Trimethylbenzene	108-67-8	U	0.387	0.500	1	ug/l		8260B	11/15/15	1
o-Xylene	95-47-6	U	0.341	0.500	1	ug/l		8260B	11/15/15	1
m&p-Xylene	1330-20-7	U	0.719	1.00	2	ug/l		8260B	11/15/15	1
Vinyl chloride	75-01-4	U	0.259	0.500	1	ug/l		8260B	11/15/15	1
Surrogate Recovery										
Toluene-d8	2037-26-5	107.				% Rec.		8260B	11/15/15	1
Dibromofluoromethane	1868-53-7	99.7				% Rec.		8260B	11/15/15	1
4-Bromofluorobenzene	460-00-4	102.				% Rec.		8260B	11/15/15	1

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Dale Flores and Arielle Bisoglio
URS
8181 E. Tufts Avenue
Denver, CO 80237

February 02, 2016

ESC Sample # : L800830-04

Date Received : November 13, 2015
Description : Holloman AFB

Site ID :

Sample ID : FIELD BLANK-FT11

Project # : 60425210.23446543

Collected By : Katie Abbott
Collection Date : 11/02/15 10:00

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
Volatile Organics										
Acetone	67-64-1	U	10	25.0	50	ug/l		8260B	11/15/15	1
Benzene	71-43-2	U	0.331	0.500	1	ug/l		8260B	11/15/15	1
Bromobenzene	108-86-1	U	0.352	0.500	1	ug/l		8260B	11/15/15	1
Bromochloromethane	74-97-5	U	0.52	0.750	1	ug/l		8260B	11/15/15	1
Bromodichloromethane	75-27-4	U	0.38	0.500	1	ug/l		8260B	11/15/15	1
Bromoform	75-25-2	U	0.469	0.500	1	ug/l		8260B	11/15/15	1
Bromomethane	74-83-9	U	0.866	2.50	5	ug/l		8260B	11/15/15	1
n-Butylbenzene	104-51-8	U	0.361	0.500	1	ug/l		8260B	11/15/15	1
sec-Butylbenzene	135-98-8	U	0.365	0.500	1	ug/l		8260B	11/15/15	1
tert-Butylbenzene	98-06-6	U	0.399	0.500	1	ug/l		8260B	11/15/15	1
Carbon Disulfide	75-15-0	U	0.275	0.500	1	ug/l		8260B	11/15/15	1
Carbon tetrachloride	56-23-5	U	0.379	0.500	1	ug/l		8260B	11/15/15	1
Chlorobenzene	108-90-7	U	0.348	0.500	1	ug/l		8260B	11/15/15	1
Chlorodibromomethane	124-48-1	U	0.327	0.500	1	ug/l		8260B	11/15/15	1
Chloroethane	75-00-3	U	0.453	2.50	5	ug/l		8260B	11/15/15	1
Chloroform	67-66-3	1.76	0.324	2.50	5	ug/l	J	8260B	11/15/15	1
Chloromethane	74-87-3	U	0.276	0.500	2.5	ug/l		8260B	11/15/15	1
2-Chlorotoluene	95-49-8	U	0.375	0.500	1	ug/l		8260B	11/15/15	1
4-Chlorotoluene	106-43-4	U	0.351	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	1.33	2.50	5	ug/l		8260B	11/15/15	1
1,2-Dibromoethane	106-93-4	U	0.381	0.500	1	ug/l		8260B	11/15/15	1
Dibromomethane	74-95-3	U	0.346	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichlorobenzene	95-50-1	U	0.349	0.500	1	ug/l		8260B	11/15/15	1
1,3-Dichlorobenzene	541-73-1	U	0.22	0.500	1	ug/l		8260B	11/15/15	1
1,4-Dichlorobenzene	106-46-7	U	0.274	0.500	1	ug/l		8260B	11/15/15	1
Dichlorodifluoromethane	75-71-8	U	0.551	2.50	5	ug/l		8260B	11/15/15	1
1,1-Dichloroethane	75-34-3	U	0.259	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichloroethane	107-06-2	U	0.361	0.500	1	ug/l		8260B	11/15/15	1
1,1-Dichloroethene	75-35-4	U	0.398	0.500	1	ug/l		8260B	11/15/15	1
cis-1,2-Dichloroethene	156-59-2	U	0.26	0.500	1	ug/l		8260B	11/15/15	1
trans-1,2-Dichloroethene	156-60-5	U	0.396	0.500	1	ug/l		8260B	11/15/15	1
1,2-Dichloropropane	78-87-5	U	0.306	0.500	1	ug/l		8260B	11/15/15	1
1,1-Dichloropropene	563-58-6	U	0.352	0.500	1	ug/l		8260B	11/15/15	1
1,3-Dichloropropane	142-28-9	U	0.366	0.500	1	ug/l		8260B	11/15/15	1
cis-1,3-Dichloropropene	10061-01-5	U	0.418	0.500	1	ug/l		8260B	11/15/15	1
trans-1,3-Dichloropropene	10061-02-6	U	0.419	0.500	1	ug/l		8260B	11/15/15	1
2,2-Dichloropropane	594-20-7	U	0.321	0.500	1	ug/l		8260B	11/15/15	1
Ethylbenzene	100-41-4	U	0.384	0.500	1	ug/l		8260B	11/15/15	1
2-Hexanone	591-78-6	U	3.82	5.00	10	ug/l		8260B	11/15/15	1
Hexachloro-1,3-butadiene	87-68-3	U	0.256	0.500	1	ug/l		8260B	11/15/15	1
Isopropylbenzene	98-82-8	U	0.326	0.500	1	ug/l		8260B	11/15/15	1
p-Isopropyltoluene	99-87-6	U	0.35	0.500	1	ug/l		8260B	11/15/15	1
2-Butanone (MEK)	78-93-3	U	3.93	5.00	10	ug/l		8260B	11/15/15	1
Methylene Chloride	75-09-2	2.12	1	2.50	5	ug/l	J	8260B	11/15/15	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.14	5.00	10	ug/l		8260B	11/15/15	1

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REPORT OF ANALYSIS

Dale Flores and Arielle Bisoglio
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8181 E. Tufts Avenue
Denver, CO 80237

February 02, 2016

ESC Sample # : L800830-04

Date Received : November 13, 2015
Description : Holloman AFB

Site ID :

Sample ID : FIELD BLANK-FT11

Project # : 60425210.23446543

Collected By : Katie Abbott
Collection Date : 11/02/15 10:00

Parameter	CAS#	Result	DL	LOD	LOQ	Units	Qual	Method	Date	Dil.
Methyl tert-butyl ether	1634-04-4	U	0.367	0.500	1	ug/l		8260B	11/15/15	1
Methyl Cyclohexane	108-87-2	U	0.38	0.500	1	ug/l		8260B	11/15/15	1
Naphthalene	91-20-3	U	1	2.50	5	ug/l		8260B	11/15/15	1
n-Propylbenzene	103-65-1	U	0.349	0.500	1	ug/l		8260B	11/15/15	1
Styrene	100-42-5	U	0.307	0.500	1	ug/l		8260B	11/15/15	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.385	0.500	1	ug/l		8260B	11/15/15	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.13	0.750	1	ug/l		8260B	11/15/15	1
Tetrachloroethene	127-18-4	U	0.372	0.500	1	ug/l		8260B	11/15/15	1
Toluene	108-88-3	U	0.78	2.50	5	ug/l		8260B	11/15/15	1
1,2,3-Trichlorobenzene	87-61-6	U	0.23	0.500	1	ug/l		8260B	11/15/15	1
1,2,4-Trichlorobenzene	120-82-1	U	0.355	0.500	1	ug/l		8260B	11/15/15	1
1,1,1-Trichloroethane	71-55-6	U	0.319	0.500	1	ug/l		8260B	11/15/15	1
1,1,2-Trichloroethane	79-00-5	U	0.383	0.500	1	ug/l		8260B	11/15/15	1
Trichloroethene	79-01-6	U	0.398	0.500	1	ug/l		8260B	11/15/15	1
Trichlorofluoromethane	75-69-4	U	1.2	2.50	5	ug/l		8260B	11/15/15	1
1,2,3-Trichloropropane	96-18-4	U	0.807	1.00	2.5	ug/l		8260B	11/15/15	1
1,2,4-Trimethylbenzene	95-63-6	U	0.373	0.500	1	ug/l		8260B	11/15/15	1
1,3,5-Trimethylbenzene	108-67-8	U	0.387	0.500	1	ug/l		8260B	11/15/15	1
o-Xylene	95-47-6	U	0.341	0.500	1	ug/l		8260B	11/15/15	1
m&p-Xylene	1330-20-7	U	0.719	1.00	2	ug/l		8260B	11/15/15	1
Vinyl chloride	75-01-4	U	0.259	0.500	1	ug/l		8260B	11/15/15	1
Surrogate Recovery										
Toluene-d8	2037-26-5	102.				% Rec.		8260B	11/15/15	1
Dibromofluoromethane	1868-53-7	102.				% Rec.		8260B	11/15/15	1
4-Bromofluorobenzene	460-00-4	106.				% Rec.		8260B	11/15/15	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L800830-01	WG829141	SAMP	Methylene Chloride	R3093428	J
L800830-02	WG829141	SAMP	Methylene Chloride	R3093428	J
L800830-03	WG829141	SAMP	Chloroform	R3093428	J
	WG829141	SAMP	Methylene Chloride	R3093428	J
L800830-04	WG829141	SAMP	Chloroform	R3093428	J
	WG829141	SAMP	Methylene Chloride	R3093428	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 Organic Compounds by Method 8260B

12065 Lebanon Rd
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Est. 1970

Quality Control Summary
SDG: L800830

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

Project: Holloman AFB
Project No: 60425210.23446543

Login No: L800830

Lab SampleID.	Client ID
L800830-01	TRIPBLANK-LT06
L800830-02	TRIPBLANK-LT07
L800830-03	FIELD BLANK-FT07
L800830-04	FIELD BLANK-FT11

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: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Workgroup: **WG829141**
Description: **Volatiles by Method 8260B (GW)**

Sample Name	Collect Date	Analysis Date
L800830-01 1x	11/09/2015	11/15/2015
L800830-02 1x	11/11/2015	11/15/2015
L800830-03 1x	11/11/2015	11/15/2015
L800830-04 1x	11/02/2015	11/15/2015

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Method Blank Summary

Instrument	Client Sample ID	Lab Sample ID	File Name	Analysis Date	Analysis Time
VOCMS25	LCS WG829141	LCS WG829141	1115_04.D	11/15/2015	12:48 AM
VOCMS25	LCSD WG829141	LCSD WG829141	1115_05.D	11/15/2015	1:06 AM
VOCMS25	Blank WG829141	Blank WG829141	1115_09.D	11/15/2015	2:19 AM
VOCMS25	MS WG829141	MS WG829141	1115_10.D	11/15/2015	2:56 AM
VOCMS25	MSD WG829141	MSD WG829141	1115_11.D	11/15/2015	3:15 AM
VOCMS25	TRIPBLANK-LT06	L800830-01	1115_13.D	11/15/2015	3:51 AM
VOCMS25	TRIPBLANK-LT07	L800830-02	1115_14.D	11/15/2015	4:09 AM
VOCMS25	FIELD BLANK-FT07	L800830-03	1115_15.D	11/15/2015	4:28 AM
VOCMS25	FIELD BLANK-FT11	L800830-04	1115_16.D	11/15/2015	4:46 AM

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

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	< 0.000130	
1,1,2-Trichloroethane	79-00-5	< 0.00100	< 0.000383	
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	
1,2,4-Trichlorobenzene	120-82-1	< 0.00100	< 0.000355	
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-Chlorotoluene	95-49-8	< 0.00100	< 0.000375	
2-Hexanone	591-78-6	< 0.0100	< 0.00382	
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	
Benzene	71-43-2	< 0.00100	< 0.000331	
Bromobenzene	108-86-1	< 0.00100	< 0.000352	
Bromochloromethane	74-97-5	< 0.00100	< 0.000520	
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 disulfide	75-15-0	< 0.00100	< 0.000275	
Carbon tetrachloride	56-23-5	< 0.00100	< 0.000379	
Chlorobenzene	108-90-7	< 0.00100	< 0.000348	
Chlorodibromomethane	124-48-1	< 0.00100	< 0.000327	

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Method Blank

Analyte	CAS	RDL	MDL	Qualifier
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	
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	
m&p-Xylenes	1330-20-7	< 0.00200	< 0.000719	
Methyl Cyclohexane	108-87-2	< 0.00100	< 0.000380	
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	
o-Xylene	95-47-6	< 0.00100	< 0.000341	
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	

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
1,1,1,2-Tetrachloroethane	1	0.025	0.0264	106	78.5 - 125	
1,1,1-Trichloroethane	1	0.025	0.0266	106	71.1 - 129	
1,1,2,2-Tetrachloroethane	1	0.025	0.0222	88.6	79.3 - 123	
1,1,2-Trichloroethane	1	0.025	0.0237	94.9	81.6 - 120	
1,1-Dichloroethane	1	0.025	0.0240	95.9	71.7 - 127	
1,1-Dichloroethene	1	0.025	0.0280	112	59.9 - 137	
1,1-Dichloropropene	1	0.025	0.0236	94.4	72.5 - 127	
1,2,3-Trichlorobenzene	1	0.025	0.0268	107	75.7 - 134	
1,2,3-Trichloropropane	1	0.025	0.0251	100	74.9 - 124	
1,2,4-Trichlorobenzene	1	0.025	0.0278	111	76.1 - 136	
1,2,4-Trimethylbenzene	1	0.025	0.0245	97.8	79 - 122	
1,2-Dibromo-3-Chloropropane	1	0.025	0.0226	90.3	64.8 - 131	
1,2-Dibromoethane	1	0.025	0.0233	93.3	79.8 - 122	
1,2-Dichlorobenzene	1	0.025	0.0246	98.3	84.7 - 118	
1,2-Dichloroethane	1	0.025	0.0276	111	65.3 - 126	
1,2-Dichloropropane	1	0.025	0.0238	95	77.4 - 125	
1,3,5-Trimethylbenzene	1	0.025	0.0257	103	81 - 123	
1,3-Dichlorobenzene	1	0.025	0.0249	99.5	77.6 - 127	
1,3-Dichloropropane	1	0.025	0.0224	89.5	80.6 - 115	
1,4-Dichlorobenzene	1	0.025	0.0237	94.8	82.2 - 114	
2,2-Dichloropropane	1	0.025	0.0255	102	61.3 - 134	
2-Butanone (MEK)	1	0.125	0.0904	72.4	46.4 - 155	
2-Chlorotoluene	1	0.025	0.0231	92.3	76.4 - 125	
2-Hexanone	1	0.125	0.1055	84.4	59.4 - 151	
4-Chlorotoluene	1	0.025	0.0259	104	81.5 - 121	
4-Methyl-2-pentanone (MIBK)	1	0.125	0.1013	81	63.3 - 138	
Acetone	1	0.125	0.1044	83.5	28.7 - 175	
Benzene	1	0.025	0.0216	86.4	73 - 122	
Bromobenzene	1	0.025	0.0247	98.9	81.5 - 115	
Bromochloromethane	1	0.025	0.0227	90.7	78.9 - 123	
Bromodichloromethane	1	0.025	0.0281	112	75.5 - 121	
Bromoform	1	0.025	0.0257	103	71.5 - 131	
Bromomethane	1	0.025	0.0229	91.6	22.4 - 187	
Carbon disulfide	1	0.025	0.0243	97.1	53 - 134	
Carbon tetrachloride	1	0.025	0.0267	107	70.9 - 129	
Chlorobenzene	1	0.025	0.0254	102	79.7 - 122	

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Laboratory Control Sample (LCS)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Chlorodibromomethane	1	0.025	0.0260	104	78.2 - 124	
Chloroethane	1	0.025	0.0251	101	41.2 - 153	
Chloroform	1	0.025	0.0257	103	73.2 - 125	
Chloromethane	1	0.025	0.0206	82.4	55.8 - 134	
cis-1,2-Dichloroethene	1	0.025	0.0218	87.4	77.3 - 122	
cis-1,3-Dichloropropene	1	0.025	0.0261	104	77.7 - 124	
Dibromomethane	1	0.025	0.0255	102	79.5 - 118	
Dichlorodifluoromethane	1	0.025	0.0269	108	56 - 134	
Ethylbenzene	1	0.025	0.0254	102	80.9 - 121	
Hexachloro-1,3-butadiene	1	0.025	0.0287	115	73.7 - 133	
Isopropylbenzene	1	0.025	0.0253	101	81.6 - 124	
m&p-Xylenes	1	0.05	0.0494	98.8	78.5 - 122	
Methyl tert-butyl ether	1	0.025	0.0208	83.2	70.1 - 125	
Methylene Chloride	1	0.025	0.0218	87.1	69.5 - 120	
Naphthalene	1	0.025	0.0247	98.9	69.7 - 134	
n-Butylbenzene	1	0.025	0.0267	107	75.9 - 134	
n-Propylbenzene	1	0.025	0.0251	100	81.9 - 122	
o-Xylene	1	0.025	0.0238	95.4	79.1 - 123	
p-Isopropyltoluene	1	0.025	0.0257	103	77.6 - 129	
sec-Butylbenzene	1	0.025	0.0256	102	80.6 - 126	
Styrene	1	0.025	0.0251	100	79.9 - 124	
tert-Butylbenzene	1	0.025	0.0253	101	79.3 - 127	
Tetrachloroethene	1	0.025	0.0258	103	73.5 - 130	
Toluene	1	0.025	0.0229	91.7	77.9 - 116	
trans-1,2-Dichloroethene	1	0.025	0.0227	90.9	72.6 - 125	
trans-1,3-Dichloropropene	1	0.025	0.0282	113	73.5 - 127	
Trichloroethene	1	0.025	0.0251	100	79.5 - 121	
Trichlorofluoromethane	1	0.025	0.0286	114	49.1 - 157	
Vinyl chloride	1	0.025	0.0255	102	61.5 - 134	

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
1,1,1,2-Tetrachloroethane	1	0.025	0.0251	100	78.5 - 125	
1,1,1-Trichloroethane	1	0.025	0.0261	105	71.1 - 129	
1,1,2,2-Tetrachloroethane	1	0.025	0.0212	84.6	79.3 - 123	
1,1,2-Trichloroethane	1	0.025	0.0220	87.9	81.6 - 120	
1,1-Dichloroethane	1	0.025	0.0222	88.9	71.7 - 127	
1,1-Dichloroethene	1	0.025	0.0275	110	59.9 - 137	
1,1-Dichloropropene	1	0.025	0.0231	92.3	72.5 - 127	
1,2,3-Trichlorobenzene	1	0.025	0.0260	104	75.7 - 134	
1,2,3-Trichloropropane	1	0.025	0.0239	95.5	74.9 - 124	
1,2,4-Trichlorobenzene	1	0.025	0.0260	104	76.1 - 136	
1,2,4-Trimethylbenzene	1	0.025	0.0240	95.9	79 - 122	
1,2-Dibromo-3-Chloropropane	1	0.025	0.0219	87.7	64.8 - 131	
1,2-Dibromoethane	1	0.025	0.0224	89.6	79.8 - 122	
1,2-Dichlorobenzene	1	0.025	0.0239	95.6	84.7 - 118	
1,2-Dichloroethane	1	0.025	0.0262	105	65.3 - 126	
1,2-Dichloropropane	1	0.025	0.0220	87.8	77.4 - 125	
1,3,5-Trimethylbenzene	1	0.025	0.0249	99.7	81 - 123	
1,3-Dichlorobenzene	1	0.025	0.0243	97.2	77.6 - 127	
1,3-Dichloropropane	1	0.025	0.0221	88.4	80.6 - 115	
1,4-Dichlorobenzene	1	0.025	0.0237	94.6	82.2 - 114	
2,2-Dichloropropane	1	0.025	0.0257	103	61.3 - 134	
2-Butanone (MEK)	1	0.125	0.0914	73.2	46.4 - 155	
2-Chlorotoluene	1	0.025	0.0227	90.7	76.4 - 125	
2-Hexanone	1	0.125	0.1016	81.3	59.4 - 151	
4-Chlorotoluene	1	0.025	0.0241	96.6	81.5 - 121	
4-Methyl-2-pentanone (MIBK)	1	0.125	0.0929	74.3	63.3 - 138	
Acetone	1	0.125	0.1029	82.4	28.7 - 175	
Benzene	1	0.025	0.0208	83	73 - 122	
Bromobenzene	1	0.025	0.0249	99.8	81.5 - 115	
Bromochloromethane	1	0.025	0.0212	84.9	78.9 - 123	
Bromodichloromethane	1	0.025	0.0261	104	75.5 - 121	
Bromoform	1	0.025	0.0244	97.7	71.5 - 131	
Bromomethane	1	0.025	0.0231	92.5	22.4 - 187	
Carbon disulfide	1	0.025	0.0242	96.8	53 - 134	
Carbon tetrachloride	1	0.025	0.0271	109	70.9 - 129	
Chlorobenzene	1	0.025	0.0235	93.8	79.7 - 122	

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Laboratory Control Sample Duplicate (LCSD)

Analyte	Dil	True Value	Found	% Rec	Control Limits	Qual
Chlorodibromomethane	1	0.025	0.0254	102	78.2 - 124	
Chloroethane	1	0.025	0.0247	98.8	41.2 - 153	
Chloroform	1	0.025	0.0246	98.4	73.2 - 125	
Chloromethane	1	0.025	0.0214	85.6	55.8 - 134	
cis-1,2-Dichloroethene	1	0.025	0.0219	87.5	77.3 - 122	
cis-1,3-Dichloropropene	1	0.025	0.0237	94.7	77.7 - 124	
Dibromomethane	1	0.025	0.0236	94.3	79.5 - 118	
Dichlorodifluoromethane	1	0.025	0.0272	109	56 - 134	
Ethylbenzene	1	0.025	0.0235	93.9	80.9 - 121	
Hexachloro-1,3-butadiene	1	0.025	0.0278	111	73.7 - 133	
Isopropylbenzene	1	0.025	0.0234	93.7	81.6 - 124	
m&p-Xylenes	1	0.05	0.0458	91.6	78.5 - 122	
Methyl tert-butyl ether	1	0.025	0.0203	81.1	70.1 - 125	
Methylene Chloride	1	0.025	0.0217	86.6	69.5 - 120	
Naphthalene	1	0.025	0.0232	92.6	69.7 - 134	
n-Butylbenzene	1	0.025	0.0266	106	75.9 - 134	
n-Propylbenzene	1	0.025	0.0256	103	81.9 - 122	
o-Xylene	1	0.025	0.0238	95.2	79.1 - 123	
p-Isopropyltoluene	1	0.025	0.0254	102	77.6 - 129	
sec-Butylbenzene	1	0.025	0.0250	100	80.6 - 126	
Styrene	1	0.025	0.0236	94.5	79.9 - 124	
tert-Butylbenzene	1	0.025	0.0238	95.1	79.3 - 127	
Tetrachloroethene	1	0.025	0.0253	101	73.5 - 130	
Toluene	1	0.025	0.0221	88.4	77.9 - 116	
trans-1,2-Dichloroethene	1	0.025	0.0214	85.7	72.6 - 125	
trans-1,3-Dichloropropene	1	0.025	0.0241	96.4	73.5 - 127	
Trichloroethene	1	0.025	0.0234	93.5	79.5 - 121	
Trichlorofluoromethane	1	0.025	0.0277	111	49.1 - 157	
Vinyl chloride	1	0.025	0.0249	99.5	61.5 - 134	

Parameters in bold text are reported in this SDG

12065 Lebanon Rd
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Est. 1970

Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

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	0.0264	106	0.0251	100	78.5 - 125		5.22	20	
1,1,1-Trichloroethane	1	0.025	0.0266	106	0.0261	105	71.1 - 129		1.8	20	
1,1,2,2-Tetrachloroethane	1	0.025	0.0222	88.6	0.0212	84.6	79.3 - 123		4.59	20	
1,1,2-Trichloroethane	1	0.025	0.0237	94.9	0.0220	87.9	81.6 - 120		7.65	20	
1,1-Dichloroethane	1	0.025	0.0240	95.9	0.0222	88.9	71.7 - 127		7.53	20	
1,1-Dichloroethene	1	0.025	0.0280	112	0.0275	110	59.9 - 137		1.94	20	
1,1-Dichloropropene	1	0.025	0.0236	94.4	0.0231	92.3	72.5 - 127		2.28	20	
1,2,3-Trichlorobenzene	1	0.025	0.0268	107	0.0260	104	75.7 - 134		3.32	20	
1,2,3-Trichloropropane	1	0.025	0.0251	100	0.0239	95.5	74.9 - 124		4.95	20	
1,2,4-Trichlorobenzene	1	0.025	0.0278	111	0.0260	104	76.1 - 136		6.72	20	
1,2,4-Trimethylbenzene	1	0.025	0.0245	97.8	0.0240	95.9	79 - 122		1.98	20	
1,2-Dibromo-3-Chloropropane	1	0.025	0.0226	90.3	0.0219	87.7	64.8 - 131		2.9	20	
1,2-Dibromoethane	1	0.025	0.0233	93.3	0.0224	89.6	79.8 - 122		3.96	20	
1,2-Dichlorobenzene	1	0.025	0.0246	98.3	0.0239	95.6	84.7 - 118		2.76	20	
1,2-Dichloroethane	1	0.025	0.0276	111	0.0262	105	65.3 - 126		5.29	20	
1,2-Dichloropropane	1	0.025	0.0238	95	0.0220	87.8	77.4 - 125		7.91	20	
1,3,5-Trimethylbenzene	1	0.025	0.0257	103	0.0249	99.7	81 - 123		3.12	20	
1,3-Dichlorobenzene	1	0.025	0.0249	99.5	0.0243	97.2	77.6 - 127		2.33	20	
1,3-Dichloropropane	1	0.025	0.0224	89.5	0.0221	88.4	80.6 - 115		1.33	20	
1,4-Dichlorobenzene	1	0.025	0.0237	94.8	0.0237	94.6	82.2 - 114		0.23	20	
2,2-Dichloropropane	1	0.025	0.0255	102	0.0257	103	61.3 - 134		0.71	20	
2-Butanone (MEK)	1	0.125	0.0904	72.4	0.0914	73.2	46.4 - 155		1.1	20	
2-Chlorotoluene	1	0.025	0.0231	92.3	0.0227	90.7	76.4 - 125		1.76	20	
2-Hexanone	1	0.125	0.1055	84.4	0.1016	81.3	59.4 - 151		3.79	20	
4-Chlorotoluene	1	0.025	0.0259	104	0.0241	96.6	81.5 - 121		7.17	20	
4-Methyl-2-pentanone (MIBK)	1	0.125	0.1013	81	0.0929	74.3	63.3 - 138		8.67	20	
Acetone	1	0.125	0.1044	83.5	0.1029	82.4	28.7 - 175		1.38	20.9	
Benzene	1	0.025	0.0216	86.4	0.0208	83	73 - 122		4.04	20	
Bromobenzene	1	0.025	0.0247	98.9	0.0249	99.8	81.5 - 115		0.87	20	
Bromochloromethane	1	0.025	0.0227	90.7	0.0212	84.9	78.9 - 123		6.62	20	
Bromodichloromethane	1	0.025	0.0281	112	0.0261	104	75.5 - 121		7.55	20	
Bromoform	1	0.025	0.0257	103	0.0244	97.7	71.5 - 131		4.99	20	
Bromomethane	1	0.025	0.0229	91.6	0.0231	92.5	22.4 - 187		0.97	20	
Carbon disulfide	1	0.025	0.0243	97.1	0.0242	96.8	53 - 134		0.31	20	
Carbon tetrachloride	1	0.025	0.0267	107	0.0271	109	70.9 - 129		1.66	20	
Chlorobenzene	1	0.025	0.0254	102	0.0235	93.8	79.7 - 122		7.95	20	

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Laboratory Control Sample / Laboratory Control Sample Duplicate

Analyte	Dil	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	% Rec Qual	% RPD	Control Limits	RPD Qual
Chlorodibromomethane	1	0.025	0.0260	104	0.0254	102	78.2 - 124		2.46	20	
Chloroethane	1	0.025	0.0251	101	0.0247	98.8	41.2 - 153		1.72	20	
Chloroform	1	0.025	0.0257	103	0.0246	98.4	73.2 - 125		4.22	20	
Chloromethane	1	0.025	0.0206	82.4	0.0214	85.6	55.8 - 134		3.73	20	
cis-1,2-Dichloroethene	1	0.025	0.0218	87.4	0.0219	87.5	77.3 - 122		0.11	20	
cis-1,3-Dichloropropene	1	0.025	0.0261	104	0.0237	94.7	77.7 - 124		9.81	20	
Dibromomethane	1	0.025	0.0255	102	0.0236	94.3	79.5 - 118		7.84	20	
Dichlorodifluoromethane	1	0.025	0.0269	108	0.0272	109	56 - 134		0.9	20	
Ethylbenzene	1	0.025	0.0254	102	0.0235	93.9	80.9 - 121		8.05	20	
Hexachloro-1,3-butadiene	1	0.025	0.0287	115	0.0278	111	73.7 - 133		3.2	20	
Isopropylbenzene	1	0.025	0.0253	101	0.0234	93.7	81.6 - 124		7.85	20	
m&p-Xylenes	1	0.05	0.0494	98.8	0.0458	91.6	78.5 - 122		7.54	20	
Methyl tert-butyl ether	1	0.025	0.0208	83.2	0.0203	81.1	70.1 - 125		2.51	20	
Methylene Chloride	1	0.025	0.0218	87.1	0.0217	86.6	69.5 - 120		0.49	20	
Naphthalene	1	0.025	0.0247	98.9	0.0232	92.6	69.7 - 134		6.55	20	
n-Butylbenzene	1	0.025	0.0267	107	0.0266	106	75.9 - 134		0.41	20	
n-Propylbenzene	1	0.025	0.0251	100	0.0256	103	81.9 - 122		2.1	20	
o-Xylene	1	0.025	0.0238	95.4	0.0238	95.2	79.1 - 123		0.16	20	
p-Isopropyltoluene	1	0.025	0.0257	103	0.0254	102	77.6 - 129		1.07	20	
sec-Butylbenzene	1	0.025	0.0256	102	0.0250	100	80.6 - 126		2.35	20	
Styrene	1	0.025	0.0251	100	0.0236	94.5	79.9 - 124		5.85	20	
tert-Butylbenzene	1	0.025	0.0253	101	0.0238	95.1	79.3 - 127		6.09	20	
Tetrachloroethene	1	0.025	0.0258	103	0.0253	101	73.5 - 130		2.01	20	
Toluene	1	0.025	0.0229	91.7	0.0221	88.4	77.9 - 116		3.65	20	
trans-1,2-Dichloroethene	1	0.025	0.0227	90.9	0.0214	85.7	72.6 - 125		5.87	20	
trans-1,3-Dichloropropene	1	0.025	0.0282	113	0.0241	96.4	73.5 - 127		15.5	20	
Trichloroethene	1	0.025	0.0251	100	0.0234	93.5	79.5 - 121		7.09	20	
Trichlorofluoromethane	1	0.025	0.0286	114	0.0277	111	49.1 - 157		3.26	20	
Vinyl chloride	1	0.025	0.0255	102	0.0249	99.5	61.5 - 134		2.69	20	

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Matrix Spike / Matrix Spike Duplicate

L800480-05

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	<0.0004	0.0265	106	0.0261	104	70.5 - 132		1.3	20	
1,1,1-Trichloroethane	1	0.025	<0.0003	0.0261	104	0.0280	112	58.7 - 134		7.23	20	
1,1,2,2-Tetrachloroethane	1	0.025	<0.0001	0.0223	89	0.0231	92.5	64.9 - 145		3.79	20	
1,1,2-Trichloroethane	1	0.025	<0.0004	0.0229	91.8	0.0238	95.2	74.1 - 130		3.71	20	
1,1-Dichloroethane	1	0.025	<0.0003	0.0223	89.1	0.0245	98.2	64 - 134		9.7	20	
1,1-Dichloroethene	1	0.025	<0.0004	0.0268	107	0.0295	118	48.8 - 144		9.53	20	
1,1-Dichloropropene	1	0.025	<0.0004	0.0230	91.8	0.0259	104	61.5 - 136		12.3	20	
1,2,3-Trichlorobenzene	1	0.025	<0.0002	0.0283	113	0.0302	121	65.7 - 143		6.41	20	
1,2,3-Trichloropropane	1	0.025	<0.0008	0.0237	94.6	0.0252	101	71.5 - 134		6.48	20	
1,2,4-Trichlorobenzene	1	0.025	<0.0004	0.0285	114	0.0302	121	67 - 146		5.89	20	
1,2,4-Trimethylbenzene	1	0.025	<0.0004	0.0258	103	0.0250	100	60.5 - 137		3.15	20	
1,2-Dibromo-3-Chloropropane	1	0.025	<0.0013	0.0223	89.4	0.0249	99.5	63.9 - 142		10.7	20.2	
1,2-Dibromoethane	1	0.025	<0.0004	0.0234	93.8	0.0236	94.2	73.8 - 131		0.51	20	
1,2-Dichlorobenzene	1	0.025	<0.0003	0.0247	98.7	0.0253	101	77.4 - 127		2.29	20	
1,2-Dichloroethane	1	0.025	<0.0004	0.0268	107	0.0279	112	60.7 - 132		3.96	20	
1,2-Dichloropropane	1	0.025	<0.0003	0.0226	90.4	0.0234	93.7	69.7 - 130		3.58	20	
1,3,5-Trimethylbenzene	1	0.025	<0.0004	0.0264	106	0.0269	108	67.9 - 134		1.77	20	
1,3-Dichlorobenzene	1	0.025	<0.0002	0.0252	101	0.0257	103	67.9 - 136		2.09	20	
1,3-Dichloropropane	1	0.025	<0.0004	0.0233	93	0.0224	89.5	74.3 - 123		3.88	20	
1,4-Dichlorobenzene	1	0.025	<0.0003	0.0243	97.2	0.0244	97.8	74.4 - 123		0.63	20	
2,2-Dichloropropane	1	0.025	<0.0003	0.0256	103	0.0278	111	54.9 - 142		7.92	20	
2-Butanone (MEK)	1	0.125	<0.0039	0.0993	79.5	0.1130	90.4	45 - 156		12.9	20.8	
2-Chlorotoluene	1	0.025	<0.0004	0.0236	94.6	0.0242	96.6	66.9 - 134		2.18	20	
2-Hexanone	1	0.125	<0.0038	0.1108	88.7	0.1189	95.1	59.4 - 154		7.01	20.1	
4-Chlorotoluene	1	0.025	<0.0004	0.0258	103	0.0254	102	66.8 - 134		1.36	20	
4-Methyl-2-pentanone (MIBK)	1	0.125	<0.0021	0.0981	78.5	0.1009	80.7	60.7 - 150		2.73	20	
Acetone	1	0.125	<0.01	0.1364	109	0.1472	118	25 - 156		7.61	21.5	
Benzene	1	0.025	<0.0003	0.0211	84.4	0.0218	87.1	58.6 - 133		3.15	20	
Bromobenzene	1	0.025	<0.0004	0.0261	104	0.0250	100	70.6 - 125		4.05	20	
Bromochloromethane	1	0.025	<0.0005	0.0211	84.5	0.0236	94.3	74.4 - 128		11	20	
Bromodichloromethane	1	0.025	<0.0004	0.0273	109	0.0268	107	69.2 - 127		1.84	20	
Bromoform	1	0.025	<0.0005	0.0246	98.2	0.0249	99.6	66.3 - 140		1.42	20	
Bromomethane	1	0.025	<0.0009	0.0228	91.1	0.0240	96	16.6 - 183		5.18	20.5	
Carbon disulfide	1	0.025	<0.0003	0.0229	91.7	0.0253	101	34.9 - 138		9.73	20	
Carbon tetrachloride	1	0.025	<0.0004	0.0266	106	0.0278	111	60.6 - 139		4.61	20	
Chlorobenzene	1	0.025	<0.0003	0.0247	98.9	0.0251	101	70.1 - 130		1.59	20	

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Matrix Spike / Matrix Spike Duplicate

L800480-05

Analyte	Dil	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qual	RPD	Control Limits	RPD Qual
Chlorodibromomethane	1	0.025	<0.0003	0.0259	104	0.0268	107	71.6 - 132		3.64	20	
Chloroethane	1	0.025	<0.0005	0.0233	93.1	0.0261	104	33.3 - 155		11.4	20	
Chloroform	1	0.025	<0.0003	0.0248	99.1	0.0260	104	66.1 - 133		4.96	20	
Chloromethane	1	0.025	<0.0003	0.0192	76.6	0.0219	87.6	40.7 - 139		13.4	20	
cis-1,2-Dichloroethene	1	0.025	<0.0003	0.0215	86.1	0.0227	90.7	60.6 - 136		5.26	20	
cis-1,3-Dichloropropene	1	0.025	<0.0004	0.0255	102	0.0250	100	71.1 - 129		1.85	20	
Dibromomethane	1	0.025	<0.0003	0.0251	100	0.0245	97.9	72.8 - 127		2.43	20	
Dichlorodifluoromethane	1	0.025	<0.0006	0.0251	100	0.0290	116	42.2 - 146		14.4	20	
Ethylbenzene	1	0.025	<0.0004	0.0250	100	0.0250	99.9	62.7 - 136		0.29	20	
Hexachloro-1,3-butadiene	1	0.025	<0.0003	0.0291	116	0.0306	122	61.1 - 144		5.25	20.1	
Isopropylbenzene	1	0.025	<0.0003	0.0254	101	0.0247	98.6	67.4 - 136		2.81	20	
m&p-Xylenes	1	0.05	<0.0007	0.0478	95.7	0.0479	95.8	64.1 - 133		0.15	20	
Methyl tert-butyl ether	1	0.025	<0.0004	0.0205	81.9	0.0224	89.7	61.4 - 136		9.06	20	
Methylene Chloride	1	0.025	0.0019	0.0221	80.8	0.0234	86.2	61.5 - 125		5.97	20	
Naphthalene	1	0.025	<0.001	0.0248	99.3	0.0262	105	61.8 - 143		5.53	20	
n-Butylbenzene	1	0.025	<0.0004	0.0276	111	0.0288	115	64.8 - 145		4.02	20	
n-Propylbenzene	1	0.025	<0.0003	0.0265	106	0.0263	105	63.2 - 139		0.66	20	
o-Xylene	1	0.025	<0.0003	0.0243	97	0.0237	94.6	67.1 - 133		2.47	20	
p-Isopropyltoluene	1	0.025	<0.0004	0.0260	104	0.0273	109	62.8 - 143		4.95	20	
sec-Butylbenzene	1	0.025	<0.0004	0.0256	103	0.0264	106	66.8 - 139		3.08	20	
Styrene	1	0.025	<0.0003	0.0238	95.3	0.0236	94.5	68.2 - 133		0.87	20	
tert-Butylbenzene	1	0.025	<0.0004	0.0260	104	0.0263	105	67.1 - 138		1.16	20	
Tetrachloroethene	1	0.025	<0.0004	0.0249	99.5	0.0255	102	57.4 - 141		2.51	20	
Toluene	1	0.025	<0.0008	0.0235	93.9	0.0225	90.2	67.8 - 124		4.08	20	
trans-1,2-Dichloroethene	1	0.025	<0.0004	0.0210	84.2	0.0227	91	61 - 132		7.73	20	
trans-1,3-Dichloropropene	1	0.025	<0.0004	0.0251	100	0.0255	102	66.3 - 136		1.71	20	
Trichloroethene	1	0.025	<0.0004	0.0240	95.8	0.0249	99.7	48.9 - 148		4.01	20	
Trichlorofluoromethane	1	0.025	<0.0012	0.0278	111	0.0297	119	39.9 - 165		6.46	20	
Vinyl chloride	1	0.025	<0.0003	0.0239	95.4	0.0273	109	44.3 - 143		13.6	20	

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Tax I.D 62-0814289
Est. 1970

Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Internal Standard Response and Retention Time Summary

File ID: 1115_02
Analyzed: 11/15/15 001100

	IS1		IS2		IS3		IS4	
	Response	**RT**	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**
12 Hr. Std	353062	3.77	591643	4.08	99422	5.22	255480	7.62
Upper Limit	706000	4.27	1180000	4.58	199000	5.72	511000	8.12
Lower Limit	177000	3.27	296000	3.58	49700	4.72	128000	7.12
Sample ID	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**	**Response**	**RT**
L800830-01	362057	3.77	573926	4.08	99065	5.22	248365	7.62
L800830-02	353778	3.77	565913	4.08	95826	5.22	233907	7.62
L800830-03	349706	3.77	547682	4.08	93767	5.22	229711	7.62
L800830-04	333990	3.77	544769	4.08	87897	5.22	227642	7.62
MSD WG829141	398243	3.77	669230	4.08	111936	5.22	294514	7.62
MS WG829141	371438	3.77	586505	4.08	99483	5.22	266895	7.62
LCSD WG829141	377105	3.77	616143	4.08	103638	5.22	271909	7.62
LCS WG829141	397509	3.77	623061	4.08	108075	5.22	283910	7.62
BLANK WG829141	357644	3.77	565634	4.08	94166	5.22	238491	7.62

Legend:

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

Parameters in bold text are reported in this SDG

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	60425210.23446543	Matrix:	Water - mg/L
Project:	Holloman AFB	EPA ID:	TN00003
Collection Date:	11/9/2015	**Analytic Batch:**	**WG829141**
Analysis Date:	11/15/2015	Analyst:	178
Instrument ID:	VOCMS25		
Sample Numbers:	L800830-01, -02, -03, -04		

Surrogate Summary

			BFB		DFM		TD8		TFT	
Laboratory Sample ID	Instrument	File ID	ppm	% Rec	ppm	% Rec	ppm	% Rec	ppm	% Rec
L800830-01	VOCMS25	1115_13	0.0397	99.2	0.0402	101	0.0423	106		
L800830-02	VOCMS25	1115_14	0.0376	94.0	0.0402	100	0.0401	100		
L800830-03	VOCMS25	1115_15	0.0410	102	0.0399	99.7	0.0427	107		
L800830-04	VOCMS25	1115_16	0.0422	106	0.0408	102	0.0409	102		
LCS WG829141	VOCMS25	1115_04	0.0412	103	0.0392	97.9	0.0419	105	0.0424	106
LCSD WG829141	VOCMS25	1115_05	0.0409	102	0.0411	103	0.0417	104	0.0410	103
BLANK WG829141	VOCMS25	1115_09	0.0413	103	0.0398	99.6	0.0414	103	0.0427	107
MS WG829141	VOCMS25	1115_10	0.0421	105	0.0395	98.9	0.0426	107	0.0430	107
MSD WG829141	VOCMS25	1115_11	0.0405	101	0.0414	104	0.0402	101	0.0406	101

BFB --4-BROMOFLUOROBENZENE	True Value: 0.04 ppm	Limits: 80.1 - 120
DFM --DIBROMOFLUOROMETHANE	True Value: 0.04 ppm	Limits: 79 - 121
TD8 --TOLUENE-D8	True Value: 0.04 ppm	Limits: 90 - 115
TFT --A,A,A-TRIFLUOROTOLUENE	True Value: 0.04 ppm	Limits: 90.4 - 116

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project No: 60425210.23446543
Project: Holloman AFB EPA ID: TN00003
Collection Date: 11/9/2015
Instrument ID: VOCMS25

Instrument Performance Summary

FileID: 1115_01.D Date: 11/14/2015 Time: 11:53 PM

m/e	Ion Abundance Criteria	% Relative Abundance
50	15 - 40% of mass 95	23.3
75	30 - 60% of mass 95	53.5
95	100 - 100% of mass 95	100
96	5 - 9% of mass 95	7
173	0 - 2% of mass 174	0
174	50 - 150% of mass 95	79.5
175	5 - 9% of mass 174	8.7
176	95 - 101% of mass 174	97.6
177	5 - 9% of mass 176	6.4

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
LCS WG829141	LCS WG829141	1115_04.D	11/15/2015	12:48 AM
LCSD WG829141	LCSD WG829141	1115_05.D	11/15/2015	1:06 AM
Blank WG829141	Blank WG829141	1115_09.D	11/15/2015	2:19 AM
MS WG829141	MS WG829141	1115_10.D	11/15/2015	2:56 AM
MSD WG829141	MSD WG829141	1115_11.D	11/15/2015	3:15 AM
TRIPBLANK-LT06	L800830-01	1115_13.D	11/15/2015	3:51 AM
TRIPBLANK-LT07	L800830-02	1115_14.D	11/15/2015	4:09 AM
FIELD BLANK-FT07	L800830-03	1115_15.D	11/15/2015	4:28 AM
FIELD BLANK-FT11	L800830-04	1115_16.D	11/15/2015	4:46 AM

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project: Holloman AFB
Instrument ID: VOCMS25
Method Name : V825I15O.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
TPH (GC/MS) LOW FRACTION										0.000000	0.00
PROPENE				0.160	0.103	0.082	0.076	0.079	0.068	0.088783	34.79
DICHLORODIFLUOROMETHANE	0.569	0.514	0.527	0.533	0.526	0.516	0.513	0.504	0.509	0.520576	3.61
CHLOROMETHANE		0.987	0.868	0.809	0.740	0.709	0.713	0.697	0.664	0.756280	13.51
VINYL CHLORIDE	0.638	0.561	0.566	0.594	0.584	0.589	0.587	0.593	0.589	0.595768	4.12
1,3-BUTADIENE	0.429	0.313	0.306	0.416	0.376	0.398	0.419	0.409	0.400	0.391926	11.11
BROMOMETHANE	0.410	0.483	0.570	0.426	0.460	0.430	0.419	0.401	0.400	0.439240	11.39
CHLOROETHANE	0.328	0.350	0.322	0.352	0.306	0.305	0.300	0.296	0.298	0.303617	12.10
TRICHLOROFLUOROMETHANE	0.732	0.743	0.775	0.760	0.717	0.730	0.729	0.717	0.710	0.735035	2.60
DICHLOROFLUOROMETHANE	0.962	1.035	0.986	0.941	0.924	0.892	0.913	0.903	0.863	0.926049	5.60
ETHYL ETHER	0.389	0.312	0.370	0.363	0.346	0.342	0.352	0.331	0.324	0.346166	6.30
ACROLEIN		0.057	0.064	0.057	0.054	0.061	0.058	0.056	0.056	0.059401	7.80
1,1-DICHLOROETHENE	0.738	0.789	0.690	0.714	0.695	0.681	0.695	0.664	0.656	0.695883	5.64
1,1,2-TRICHLOROTRIFLUOROETHANE	0.442	0.443	0.403	0.432	0.441	0.409	0.435	0.411	0.402	0.421258	4.00
ACETONE		0.301	0.252	0.234	0.232	0.207	0.226	0.215	0.216	0.244643	13.41
IODOMETHANE		1.261	1.022	0.950	0.893	0.867	0.864	0.854	0.865	0.928202	13.89
CARBON DISULFIDE		2.166	1.834	1.703	1.566	1.526	1.576	1.508	1.480	1.642524	12.95
METHYLENE CHLORIDE		0.709	0.630	0.579	0.559	0.530	0.540	0.526	0.528	0.564212	10.88
ACRYLONITRILE	0.202	0.177	0.181	0.185	0.187	0.184	0.196	0.189	0.187	0.188317	3.90
n-Hexane	0.580	0.504	0.461	0.484	0.488	0.475	0.482	0.453	0.448	0.478663	8.21
TRANS-1,2-DICHLOROETHENE	0.524	0.538	0.535	0.529	0.529	0.510	0.506	0.501	0.492	0.512327	3.86
METHYL TERT-BUTYL ETHER	1.362	1.370	1.267	1.311	1.339	1.267	1.343	1.292	1.269	1.309696	2.91
1,1-DICHLOROETHANE	1.041	1.021	1.095	1.000	1.017	1.004	1.008	0.973	0.966	1.001663	4.34
VINYL ACETATE	1.194	1.169	1.074	1.119	1.105	1.164	1.222	1.100	1.113	1.122988	5.25
DI-ISOPROPYL ETHER	1.877	1.889	1.965	1.912	1.915	1.904	1.936	1.888	1.835	1.892424	2.09
2,2-Dichloropropane	0.802	0.621	0.656	0.634	0.606	0.589	0.629	0.579	0.552	0.611741	12.56
CIS-1,2-DICHLOROETHENE	0.608	0.585	0.585	0.572	0.570	0.571	0.574	0.543	0.536	0.565601	4.20
2-BUTANONE (MEK)	0.354	0.367	0.321	0.350	0.343	0.343	0.364	0.341	0.349	0.352695	4.55

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project: Holloman AFB
Instrument ID: VOCMS25
Method Name : V825I15O.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	0.356	0.369	0.337	0.352	0.335	0.327	0.343	0.332	0.327	0.339313	4.12
TETRAHYDROFURAN	0.216	0.183	0.163	0.190	0.175	0.170	0.176	0.171	0.164	0.180011	8.41
CHLOROFORM	0.963	0.983	1.005	1.002	0.959	0.936	0.969	0.929	0.902	0.950498	4.02
DIBROMOFLUOROMETHANE	0.623	0.615	0.623	0.621	0.606	0.592	0.605	0.591	0.585	0.602579	2.66
1,1,1-TRICHLOROETHANE	0.728	0.739	0.756	0.737	0.716	0.729	0.721	0.723	0.706	0.725092	2.19
CARBON TETRACHLORIDE	0.780	0.762	0.830	0.785	0.760	0.767	0.777	0.758	0.747	0.773771	2.86
1,1-Dichloropropene	0.702	0.743	0.698	0.737	0.701	0.695	0.704	0.684	0.682	0.698326	3.51
2,2,4-TRIMETHYLPENTANE	2.405	2.306	2.305	2.224	2.104	2.173	2.164	2.079	1.956	2.136814	8.28
HEPTANE	0.855	0.888	1.167	1.077	1.001	1.035	1.039	1.007	0.989	0.997805	8.60
BENZENE	2.479	2.378	2.327	2.214	2.158	2.120	2.076	2.030	1.994	2.161054	7.85
1,2-DICHLOROETHANE	0.741	0.668	0.702	0.721	0.707	0.673	0.677	0.676	0.649	0.682999	4.58
TRICHLOROETHENE	0.305	0.324	0.312	0.312	0.312	0.310	0.303	0.298	0.293	0.306217	2.83
1,2-DICHLOROPROPANE	0.286	0.245	0.244	0.256	0.253	0.260	0.254	0.252	0.249	0.253658	4.70
DIBROMOMETHANE	0.219	0.215	0.193	0.224	0.207	0.213	0.208	0.205	0.200	0.208749	4.12
BROMODICHLOROMETHANE	0.416	0.410	0.425	0.449	0.430	0.442	0.427	0.428	0.430	0.428335	2.49
a,a,a-Trifluorotoluene	0.526	0.536	0.521	0.534	0.518	0.539	0.514	0.503	0.508	0.515838	3.53
2-CHLOROETHYL VINYL ETHER	0.154	0.169	0.164	0.178	0.169	0.179	0.179	0.174	0.174	0.172411	4.61
CIS-1,3-DICHLOROPROPENE	0.487	0.526	0.534	0.524	0.515	0.544	0.526	0.533	0.523	0.524780	2.81
4-METHYL-2-PENTANONE (MIBK)	0.309	0.321	0.304	0.344	0.348	0.366	0.378	0.363	0.361	0.350170	7.91
TOLUENE-D8	1.205	1.217	1.201	1.209	1.149	1.182	1.162	1.145	1.144	1.169282	2.99
TOLUENE	1.576	1.406	1.395	1.335	1.247	1.273	1.240	1.229	1.200	1.309243	8.51
TRANS-1,3-DICHLOROPROPENE	0.435	0.437	0.439	0.443	0.451	0.480	0.490	0.483	0.477	0.464438	4.99
1,1,2-TRICHLOROETHANE	1.525	1.563	1.553	1.559	1.610	1.548	1.551	1.574	1.567	1.573326	2.23
TETRACHLOROETHENE	1.299	1.312	1.412	1.399	1.323	1.285	1.315	1.322	1.314	1.343089	3.51
1,3-Dichloropropane	3.058	3.036	2.780	2.725	2.871	2.689	2.663	2.667	2.722	2.788388	5.11
2-HEXANONE	0.727	0.689	0.704	0.730	0.832	0.791	0.875	0.889	0.917	0.826602	12.72
CHLORODIBROMOMETHANE	1.479	1.762	1.702	1.808	1.877	1.788	1.841	1.896	1.892	1.818577	7.86
1,2-DIBROMOETHANE	1.780	1.809	1.637	1.767	1.760	1.663	1.682	1.668	1.682	1.720374	3.38
CHLOROBENZENE	4.780	4.706	4.700	4.649	4.767	4.560	4.585	4.720	4.638	4.713279	2.23

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project: Holloman AFB
Instrument ID: VOCMS25
Method Name : V825I15O.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	1.424	1.459	1.543	1.682	1.702	1.586	1.598	1.628	1.642	1.606815	6.10
ETHYLBENZENE	2.166	2.455	2.398	2.452	2.410	2.339	2.413	2.469	2.416	2.417292	4.21
M&P-XYLENE	3.290	2.975	3.101	3.049	3.094	2.950	3.021	3.034	3.022	3.080978	3.27
O-XYLENE	3.039	2.741	2.951	2.960	3.005	2.830	2.895	2.946	2.925	2.945795	3.40
STYRENE	4.741	4.908	4.554	4.666	4.892	4.697	4.936	5.005	4.887	4.873973	4.15
Bromoform	1.090	1.057	1.081	1.072	1.174	1.112	1.177	1.211	1.227	1.159967	7.14
Isopropylbenzene	7.321	7.656	7.482	7.502	7.515	7.438	7.581	7.570	7.391	7.574700	2.71
4-BROMOFLUOROBENZENE	2.492	2.553	2.544	2.578	2.553	2.470	2.435	2.514	2.528	2.512006	1.94
Bromobenzene	3.706	3.914	3.714	3.556	3.711	3.388	3.505	3.638	3.422	3.616714	4.15
1,1,2,2-TETRACHLOROETHANE	2.326	2.480	2.529	2.349	2.347	2.227	2.306	2.284	2.312	2.360564	3.93
1,2,3-TRICHLOROPROPANE		0.468	0.480	0.449	0.535	0.519	0.522	0.530	0.537	0.518020	7.96
TRANS-1,4-DICHLORO-2-BUTENE		0.740	0.506	0.536	0.558	0.562	0.587	0.601	0.580	0.593522	10.99
n-Propylbenzene	9.570	9.823	9.657	9.296	9.439	8.878	9.279	9.558	9.144	9.467634	3.12
4-ETHYLTOLUENE	7.948	8.005	7.675	7.556	7.780	7.440	7.539	7.800	7.473	7.749036	2.94
2-Chlorotoluene	1.660	1.996	1.912	1.823	1.922	1.775	1.767	1.832	1.804	1.842946	5.03
4-Chlorotoluene	5.599	5.965	5.611	5.523	5.530	5.409	5.427	5.409	5.470	5.573658	2.95
1,3,5-Trimethylbenzene	6.268	6.044	6.245	6.038	6.165	5.922	5.988	6.200	6.107	6.204331	3.90
tert-Butylbenzene	4.889	4.693	5.080	5.017	5.053	4.752	4.783	5.084	4.976	4.996985	4.20
1,2,4-Trimethylbenzene	6.976	6.311	6.175	6.319	6.156	5.878	6.041	6.180	6.023	6.270433	4.75
sec-Butylbenzene	8.224	7.781	7.871	8.247	8.195	7.946	8.030	8.135	7.882	8.147266	3.65
1,3-DICHLOROBENZENE	3.534	3.593	3.653	3.592	3.558	3.482	3.437	3.441	3.306	3.525402	2.92
p-Isopropyltoluene	6.294	6.676	6.556	6.267	6.489	6.345	6.582	6.391	6.319	6.541199	4.15
DICYCLOPENTADIENE	8.579	9.040	8.666	8.499	8.831	8.360	8.667	8.498	8.350	8.646979	2.55
1,4-DICHLOROBENZENE	1.703	1.565	1.523	1.406	1.386	1.371	1.356	1.331	1.323	1.428773	8.29
1,2,3-TRIMETHYLBENZENE	2.630	2.603	2.446	2.464	2.459	2.418	2.450	2.382	2.378	2.482864	3.51
1,2-DICHLOROBENZENE	1.343	1.402	1.327	1.267	1.272	1.269	1.253	1.261	1.248	1.290547	3.66
n-Butylbenzene	2.443	2.531	2.490	2.455	2.427	2.468	2.454	2.407	2.435	2.469417	1.79
1,2-Dibromo-3-chloropropane			0.127	0.144	0.130	0.135	0.150	0.141	0.156	0.145891	9.75
1,2,4-Trichlorobenzene	0.840	0.848	0.806	0.758	0.795	0.763	0.768	0.728	0.761	0.805236	7.49

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project: Holloman AFB
Instrument ID: VOCMS25
Method Name : V825I15O.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	0.456	0.458	0.441	0.428	0.436	0.403	0.407	0.393	0.406	0.434420	7.13
Naphthalene	2.313	2.153	1.915	1.944	1.806	1.841	1.987	1.955	2.038	2.045296	8.86
1,2,3-Trichlorobenzene	0.851	0.796	0.744	0.713	0.718	0.714	0.715	0.678	0.706	0.751692	7.69
1-Methylnaphthalene	1.262	1.049	0.917	0.912	0.897	0.951	0.969	0.929	0.975	1.012387	11.78
2-Methylnaphthalene	1.042	0.891	0.798	0.772	0.775	0.763	0.792	0.771	0.778	0.838919	10.97
ETHANOL										0.004381	8.32
Bromoethane										0.402219	3.89
2-PROPANOL										0.000000	0.00
Methyl Acetate										0.399253	4.40
ACETONITRILE										0.064874	7.13
ALLYL CHLORIDE										0.233088	3.08
tert-BUTYL ALCOHOL										0.091829	6.14
chloroprene										0.727051	3.08
ETHYL TERT-BUTYL ETHER										1.482265	3.75
PROPIONITRILE										0.073275	3.57
Ethyl Acetate										0.537213	3.14
METHACRYLONITRILE										0.207296	3.58
Cyclohexane										1.203495	4.20
tert-butyl formate										0.327638	2.58
ISOBUTANOL										0.033421	5.69
t-Amyl Alcohol										0.043316	7.36
TERT-AMYL METHYL ETHER										1.608648	3.47
N-BUTANOL										0.009315	8.40
Methyl Cyclohexane										0.742567	17.10
2-nitropropane										0.090139	3.00
METHYL METHACRYLATE										0.312635	4.07
1,4-DIOXANE										0.002995	9.95
n-octane										0.239894	2.92
3,3-DIMETHYL-1-BUTANOL										0.041344	6.46

12065 Lebanon Rd
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Tax I.D 62-0814289
Est. 1970

Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project: Holloman AFB
Instrument ID: VOCMS25
Method Name : V825I15O.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										2.059357	8.13
CIS-1,4-DICHLORO-2-BUTENE										0.605857	4.69
Cyclohexanone										0.497525	4.97
PENTACHLOROETHANE										1.187876	4.07
Hexachloroethane										1.428580	7.02

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project No: 60425210.23446543
Project: Holloman AFB EPA ID: TN00003
Collection Date: 11/9/2015
Instrument ID: VOCMS25

Method Name : V825I15O.M Date : 11/15/2015
FileName : 1115_02.D Time : 12:11 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
Dichlorodifluoromethane	0.5206	0.5833	12	
Chloromethane	0.7563	0.6719	11.2	>0.1
Vinyl chloride	0.5958	0.6058	1.68	
Bromomethane	0.4392	0.4062	7.51	
Chloroethane	0.3036	0.3084	1.58	
Trichlorofluoromethane	0.7350	0.8615	17.2	
1,1-Dichloroethene	0.6959	0.7502	7.81	
Acetone	0.2446	0.2029	17.1	
Carbon Disulfide	1.6425	1.5313	6.77	
Methylene Chloride	0.5642	0.4854	14	
trans-1,2-Dichloroethene	0.5123	0.4578	10.6	
Methyl tert-butyl ether	1.3097	1.0927	16.6	
1,1-Dichloroethane	1.0017	0.9488	5.28	>0.1
2,2-Dichloropropane	0.6117	0.6209	1.5	
cis-1,2-Dichloroethene	0.5656	0.5140	9.13	
2-Butanone (MEK)	0.3527	0.2576	27	
Bromochloromethane	0.3393	0.3092	8.87	
Chloroform	0.9505	0.9530	0.26	
1,1,1-Trichloroethane	0.7251	0.8015	10.5	
Carbon tetrachloride	0.7738	0.8424	8.87	
1,1-Dichloropropene	0.6983	0.6669	4.5	
Benzene	2.1611	1.7667	18.2	
1,2-Dichloroethane	0.6830	0.7479	9.51	
Trichloroethene	0.3062	0.3021	1.35	
1,2-Dichloropropane	0.2537	0.2236	11.8	
Dibromomethane	0.2087	0.2034	2.55	
Bromodichloromethane	0.4283	0.4548	6.18	
cis-1,3-Dichloropropene	0.5248	0.5047	3.82	
4-Methyl-2-pentanone (MIBK)	0.3502	0.2669	23.8	
Toluene	1.3092	1.1730	10.4	
trans-1,3-Dichloropropene	0.4644	0.4593	1.11	

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project No: 60425210.23446543
Project: Holloman AFB EPA ID: TN00003
Collection Date: 11/9/2015
Instrument ID: VOCMS25

Method Name : V825I15O.M Date : 11/15/2015
FileName : 1115_02.D Time : 12:11 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
1,1,2-Trichloroethane	1.5733	1.4030	10.8	
Tetrachloroethene	1.3431	1.3240	1.42	
1,3-Dichloropropane	2.7884	2.4640	11.6	
2-Hexanone	0.8266	0.6682	19.2	
Chlorodibromomethane	1.8186	1.8925	4.06	
1,2-Dibromoethane	1.7204	1.5883	7.68	
Chlorobenzene	4.7133	4.5283	3.92	>0.3
1,1,1,2-Tetrachloroethane	1.6068	1.6380	1.94	
Ethylbenzene	2.4173	2.3258	3.79	
m&p-Xylene	3.0810	2.8036	9	
o-Xylene	2.9458	2.6831	8.92	
Styrene	4.8740	4.3766	10.2	
Bromoform	1.1600	1.1513	0.75	>0.1
Isopropylbenzene	7.5747	7.4333	1.87	
Bromobenzene	3.6167	3.4965	3.32	
1,1,2,2-Tetrachloroethane	2.3606	2.0616	12.7	>0.3
1,2,3-Trichloropropane	0.5180	0.4990	3.67	
n-Propylbenzene	9.4676	9.0705	4.19	
2-Chlorotoluene	1.8429	1.6629	9.77	
4-Chlorotoluene	5.5737	5.3481	4.05	
1,3,5-Trimethylbenzene	6.2043	6.1249	1.28	
tert-Butylbenzene	4.9970	4.9143	1.65	
1,2,4-Trimethylbenzene	6.2704	6.1686	1.62	
sec-Butylbenzene	8.1473	7.9804	2.05	
1,3-Dichlorobenzene	3.5254	3.4307	2.69	
p-Isopropyltoluene	6.5412	6.3525	2.88	
1,4-Dichlorobenzene	1.4288	1.3752	3.75	
1,2-Dichlorobenzene	1.2905	1.2316	4.56	
n-Butylbenzene	2.4694	2.5392	2.83	
1,2-Dibromo-3-Chloropropane	0.1459	0.1312	10	
1,2,4-Trichlorobenzene	0.8052	0.8305	3.14	

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L800830
URS Corporation - Tucson AZ - 1088308

Test: Volatile Organic Compounds by Method 8260B
Project No: 60425210.23446543
Project: Holloman AFB EPA ID: TN00003
Collection Date: 11/9/2015
Instrument ID: VOCMS25

Method Name : V825I15O.M Date : 11/15/2015
FileName : 1115_02.D Time : 12:11 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D
Hexachloro-1,3-butadiene	0.4344	0.4494	3.44
Naphthalene	2.0453	1.9585	4.24
1,2,3-Trichlorobenzene	0.7517	0.7725	2.77

*** - calibrated by linear regression*

Raw Data

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

Injection Log

Instrument ID : VOCMS25
Computer Name : VOCCOMPAN

Released By : Glen Norton
Date Released : 2/2/2016 1:13:01 PM

Run ID : 111515
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
1	1115_01	INSTBLK	V825I15O						1	1	11/14/15 2353	"water"
2	1115_01T	INSTBLK								1	11/14/15 2353	
3	1115_02	ICV VMS 25 PPB	V825I15O						1	1	11/15/15 0011	"water"
3	1115_02-1	ICV VMS 25 PPB	V825I15O						1	1	11/15/15 0011	"water"
4	1115_03	AP9CV	V825I15O						1	1	11/15/15 0029	"water"
5	1115_04	LCS	V825I15O	WG829141	V624AAX	WW			1	1	11/15/15 0048	"water"
5	1115_04-2	LCS	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0048	"water"
5	1115_04-3	LCS	V825I15O	WG829141	V8260LL	GW	PNGENVTOR		1	1	11/15/15 0048	"water"
5	1115_04-4	LCS	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0048	"water"
6	1115_05	LCSD	V825I15O	WG829141	V624AAX	WW			1	1	11/15/15 0106	"water"
6	1115_05-2	LCSD	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0106	"water"
6	1115_05-3	LCSD	V825I15O	WG829141	V8260LL	GW	PNGENVTOR		1	1	11/15/15 0106	"water"
6	1115_05-4	LCSD	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0106	"water"
7	1115_06	LCS	V825I15O	WG829141	V624AAX	WW			1	1	11/15/15 0124	"water"
7	1115_06-2	LCS	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0124	"water"
7	1115_06-3	LCS	V825I15O	WG829141	V8260LL	GW	PNGENVTOR		1	1	11/15/15 0124	"water"
7	1115_06-4	LCS	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0124	"water"
8	1115_07	1PPB	V825I15O						1	1	11/15/15 0142	"water"
9	1115_08	INSTBLK	V825I15O						1	1	11/15/15 0200	"water"
10	1115_09	BLANK	V825I15O	WG829141	V624AAX	WW			1	1	11/15/15 0219	"water"
10	1115_09-2	BLANK	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0219	"water"
10	1115_09-3	BLANK	V825I15O	WG829141	V8260LL	GW	PNGENVTOR		1	1	11/15/15 0219	"water"
10	1115_09-4	BLANK	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0219	"water"

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

Injection Log

Instrument ID : VOCMS25
Computer Name : VOCCOMPAN

Released By : Glen Norton
Date Released : 2/2/2016 1:13:01 PM

Run ID : 111515
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
11	1115_10	MS	V825I15O	WG829141	V624AAX	WW			1	1	11/15/15 0256	"water"
11	1115_10-2	MS	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0256	"water"
11	1115_10-3	MS	V825I15O	WG829141	V8260LL	GW	PNGENVTOR		1	1	11/15/15 0256	"water"
11	1115_10-4	MS	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0256	"water"
12	1115_11	MSD	V825I15O	WG829141	V624AAX	WW			1	1	11/15/15 0315	"water"
12	1115_11-2	MSD	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0315	"water"
12	1115_11-3	MSD	V825I15O	WG829141	V8260LL	GW	PNGENVTOR		1	1	11/15/15 0315	"water"
12	1115_11-4	MSD	V825I15O	WG829141	V8260	GW	URSTAZ		1	1	11/15/15 0315	"water"
13	1115_12	INSTBLK	V825I15O						1	1	11/15/15 0333	"water"
14	1115_13	L800830-01	V825I15O	WG829141	V8260	GW	URSTAZ	NM	1	1	11/15/15 0351	"water"
15	1115_14	L800830-02	V825I15O	WG829141	V8260	GW	URSTAZ	NM	1	1	11/15/15 0409	"water"
16	1115_15	L800830-03	V825I15O	WG829141	V8260	GW	URSTAZ	NM	1	1	11/15/15 0428	"water"
17	1115_16	L800830-04	V825I15O	WG829141	V8260	GW	URSTAZ	NM	1	1	11/15/15 0446	"water"
18	1115_17	L800833-03	V825I15O	WG829141	V8260LL	GW	MARATHONIL	IL	1	1	11/15/15 0504	"water"
19	1115_18	L800846-39	V825I15O	WG829141	V8260	GW	URSTAZ	NM	1	1	11/15/15 0522	"water"
20	1115_19	L800846-40	V825I15O	WG829141	V8260	GW	URSTAZ	NM	1	1	11/15/15 0541	"water"
21	1115_20	L800846-41	V825I15O	WG829141	V8260	GW	URSTAZ	NM	1	1	11/15/15 0559	"water"
22	1115_21	L800480-05	V825I15O	WG829141	V8260LLNP	GW	ENVGROCCO	CO	1	1	11/15/15 0617	"water"
23	1115_22	L800480-03	V825I15O	WG829141	V8260LLNP	GW	ENVGROCCO	CO	1	1	11/15/15 0635	"water"
24	1115_23	L800480-04	V825I15O	WG829141	V8260LLNP	GW	ENVGROCCO	CO	1	1	11/15/15 0654	"water"
25	1115_24	L800480-06	V825I15O	WG829141	V8260LLNP	GW	ENVGROCCO	CO	1	1	11/15/15 0712	"water"
26	1115_25	L800480-07	V825I15O	WG829141	V8260LLNP	GW	ENVGROCCO	CO	1	1	11/15/15 0730	"water"
27	1115_26	L800778-01	V825I15O	WG829141	V8260LL	GW	PNGENVTOR	OR	1	1	11/15/15 0748	"water"

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

Injection Log

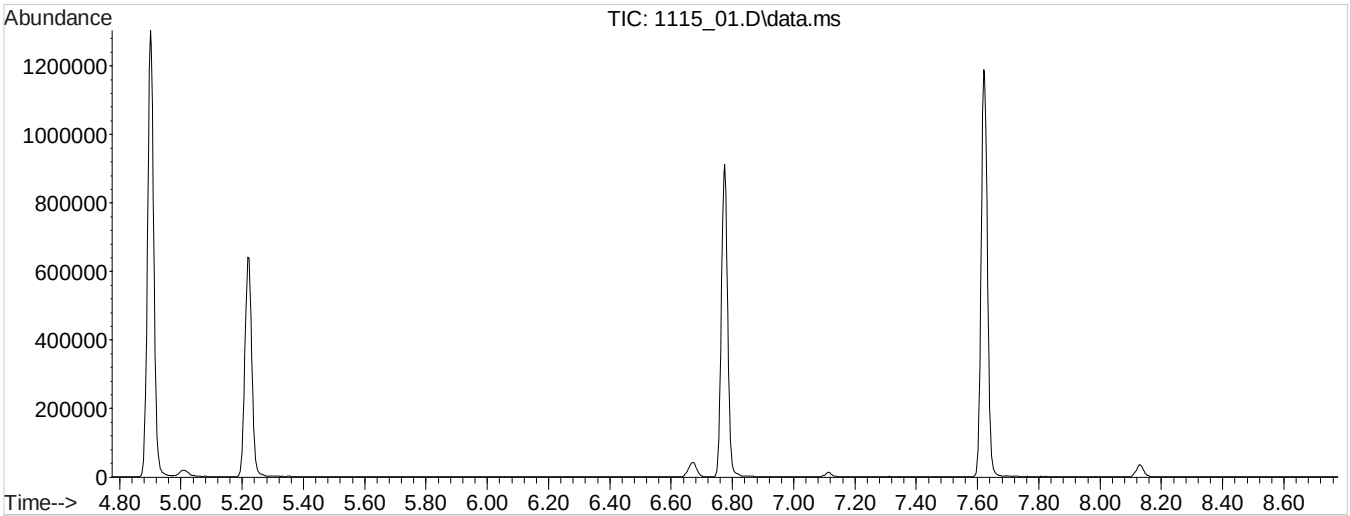
Instrument ID : VOCMS25
Computer Name : VOCCOMPAN
Released By : Glen Norton
Date Released : 2/2/2016 1:13:01 PM
Run ID : 111515
Signature : _____

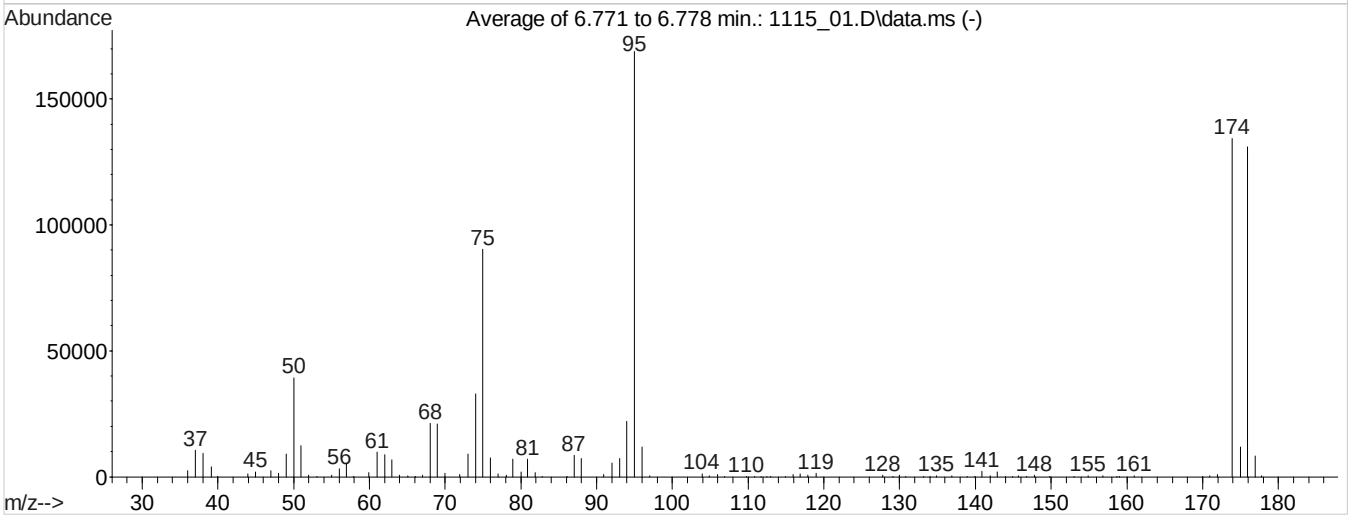
#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
28	1115_27	L800856-02	V825I15O	WG829141	V624AAX	WW	RUSSKY02	KY	1	1	11/15/15 0807	"water"
29	1115_28	L800858-02	V825I15O	WG829141	V624AAX	WW	RUSSKY02	KY	1	1	11/15/15 0825	"water"
30	1115_29	L800862-11	V825I15O	WG829141	V8260	GW	PIEGEO	MS	1	1	11/15/15 0843	"water"
31	1115_30	L800862-12	V825I15O	WG829141	V8260	GW	PIEGEO	MS	1	1	11/15/15 0901	"water"
32	1115_31	L800862-23	V825I15O	WG829141	V8260	GW	PIEGEO	MS	1	1	11/15/15 0919	"water"

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 01.D
Acq On : 14 Nov 2015 11:53 pm
Operator : 522
Sample : INSTBLK
Misc : water
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\V825I15O.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
Last Update : Wed Sep 16 15:00:05 2015





AutoFind: Scans 1767, 1768, 1769; Background Corrected with Scan 1755

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	39323	PASS
75	95	30	60	53.5	90453	PASS
95	95	100	100	100.0	168960	PASS
96	95	5	9	7.0	11841	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	79.5	134352	PASS
175	174	5	9	8.7	11746	PASS
176	174	95	101	97.6	131064	PASS
177	176	5	9	6.4	8398	PASS

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 02.D
Acq On : 15 Nov 2015 12:11 am
Operator : 522
Sample : ICV VMS 25 PPB
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:11 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.765	168	353062	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.080	114	591643	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.222	79	99422	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.623	152	255480	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.765	168	353062	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.080	114	591643	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.222	79	99422	40.0000000 ppb	# 0.00
128) AP9-1,4-DICHLOROBENZEN...	7.623	152	255480	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.524	111	211996	39.8586669 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 99.65%		
46) a,a,a-Trifluorotoluene	4.450	146	314038	41.1594468 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 102.90%		
50) TOLUENE-D8	4.903	98	710149	41.0610876 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 102.65%		
68) 4-BROMOFLUOROBENZENE	6.775	95	257639	41.2637214 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 103.16%		
Target Compounds					Qvalue
3) PROPENE	1.350	41	9757	13.1826552 ppb #	87
4) DICHLORODIFLUOROMETHANE	1.386	85	128703	28.0100282 ppb	99
5) CHLOROMETHANE	1.518	50	148259	22.2099541 ppb	98
6) VINYL CHLORIDE	1.579	62	133671	25.4196175 ppb	98
7) 1,3-BUTADIENE	1.588	39	75285	21.7627082 ppb	89
8) BROMOMETHANE	1.797	94	89642	23.1216360 ppb	97
9) CHLOROETHANE	1.881	64	68058	25.3958114 ppb	94
10) TRICHLOROFLUOROMETHANE	1.958	101	190092	29.2998204 ppb	98
11) DICHLOROFLUOROMETHANE	1.990	67	218141	26.6877661 ppb	98
12) ETHYL ETHER	2.125	59	68182	22.3148518 ppb	97
13) ACROLEIN	2.427	56	58713	111.9815056 ppb	98
14) 1,1-DICHLOROETHENE	2.251	61	165550	26.9526864 ppb	91
15) 1,1,2-TRICHLOROTRIFLUO...	2.286	101	95735	25.7472955 ppb	93
16) ACETONE	2.588	43	223831	103.6564161 ppb #	85
17) IODOMETHANE	2.337	142	901174	109.9955853 ppb	90
18) CARBON DISULFIDE	2.280	76	337900	23.3069476 ppb #	93
19) METHYLENE CHLORIDE	2.569	84	107116	21.5090380 ppb	96
20) ACRYLONITRILE	3.009	53	131968	79.3939590 ppb	98
21) n-Hexane	2.710	56	91316	21.6135425 ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.665	96	101027	22.3408046 ppb	93
23) METHYL TERT-BUTYL ETHER	2.720	73	241115	20.8575251 ppb	100
24) 1,1-DICHLOROETHANE	2.997	63	209366	23.6806446 ppb	98
25) VINYL ACETATE	3.112	43	1083579	109.3187525 ppb	99
26) DI-ISOPROPYL ETHER	2.916	45	343762	20.5801473 ppb	92
27) 2,2-Dichloropropane	3.350	77	137011	25.3744479 ppb	97
28) CIS-1,2-DICHLOROETHENE	3.286	96	113411	22.7171597 ppb	96
29) 2-BUTANONE (MEK)	3.582	43	284191	91.2892332 ppb	95
30) BROMOCHLOROMETHANE	3.395	130	68230	22.7815615 ppb	95
31) TETRAHYDROFURAN	3.521	42	24161	15.2063595 ppb #	82
32) CHLOROFORM	3.427	83	210291	25.0656247 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.556	97	176856	27.6334988 ppb	97
35) CARBON TETRACHLORIDE	3.524	117	185882	27.2166069 ppb	100
36) 1,1-Dichloropropene	3.620	75	147158	23.8745186 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 02.D
Acq On : 15 Nov 2015 12:11 am
Operator : 522
Sample : ICV VMS 25 PPB
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:11 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.678	57	364464	19.3239951 ppb		90
38)	HEPTANE	3.723	43	188491	21.4019862 ppb		95
39)	BENZENE	3.755	78	389851	20.4381699 ppb		95
40)	1,2-DICHLOROETHANE	3.862	62	165045	27.3773329 ppb	#	93
42)	TRICHLOROETHENE	4.080	130	111703	24.6624313 ppb		99
43)	1,2-DICHLOROPROPANE	4.376	62	82697	22.0415416 ppb		97
44)	DIBROMOMETHANE	4.321	93	75223	24.3627847 ppb		96
45)	BROMODICHLOROMETHANE	4.408	83	168175	26.5447212 ppb		97
47)	2-CHLOROETHYL VINYL ETHER	4.726	63	260515	102.1572489 ppb		99
48)	CIS-1,3-DICHLOROPROPENE	4.781	75	186638	24.0449058 ppb		99
49)	4-METHYL-2-PENTANONE (...	5.148	43	493446	95.2711495 ppb		96
51)	TOLUENE	4.935	91	433732	22.3975980 ppb		99
52)	TRANS-1,3-DICHLOROPROPENE	5.183	75	169833	24.7226413 ppb		97
54)	1,1,2-TRICHLOROETHANE	5.289	97	87181	22.2936260 ppb		98
55)	TETRACHLOROETHENE	5.193	164	82271	24.6444740 ppb		96
56)	1,3-Dichloropropane	5.469	76	153110	22.0916374 ppb		99
57)	2-HEXANONE	5.691	58	207608	101.0474016 ppb		88
58)	CHLORODIBROMOMETHANE	5.415	129	117596	26.0158714 ppb		98
59)	1,2-DIBROMOETHANE	5.582	107	98697	23.0812040 ppb		99
60)	CHLOROBENZENE	5.929	112	281385	24.0190191 ppb		96
61)	1,1,1,2-TETRACHLOROETHANE	5.968	133	101781	25.4846366 ppb	#	98
62)	ETHYLBENZENE	5.939	106	144522	24.0537236 ppb		92
63)	M&P-XYLENE	6.035	106	348423	45.4983529 ppb		93
64)	O-XYLENE	6.341	106	166723	22.7703894 ppb		95
65)	STYRENE	6.376	104	271954	22.4486293 ppb		95
66)	Bromoform	6.402	173	71541	24.8134291 ppb		100
67)	Isopropylbenzene	6.562	105	461896	24.5333171 ppb		98
69)	Bromobenzene	6.858	77	217266	24.1687973 ppb		99
70)	1,1,2,2-TETRACHLOROETHANE	6.906	83	128103	21.8333852 ppb		98
71)	1,2,3-TRICHLOROPROPANE	7.016	110	31007	24.0818800 ppb		94
72)	TRANS-1,4-DICHLORO-2-B...	7.038	53	37362	25.3262536 ppb	#	82
73)	n-Propylbenzene	6.868	91	563631	23.9514009 ppb		98
74)	4-ETHYLTOLUENE	6.948	105	468259	24.3117346 ppb		100
75)	2-Chlorotoluene	6.993	126	103329	22.5573048 ppb		97
76)	4-Chlorotoluene	7.115	91	332322	23.9881248 ppb		99
77)	1,3,5-Trimethylbenzene	7.009	105	380592	24.6798314 ppb		98
78)	tert-Butylbenzene	7.254	119	305371	24.5865278 ppb		95
79)	1,2,4-Trimethylbenzene	7.305	105	383308	24.5939256 ppb		99
80)	sec-Butylbenzene	7.392	105	495892	24.4879661 ppb		99
81)	1,3-DICHLOROBENZENE	7.569	146	213182	24.3287299 ppb		98
82)	p-Isopropyltoluene	7.498	119	394739	24.2789653 ppb		97
83)	DICYCLOPENTADIENE	7.492	66	502726	23.3907668 ppb		99
85)	1,4-DICHLOROBENZENE	7.633	146	219589	24.0630314 ppb		98
86)	1,2,3-TRIMETHYLBENZENE	7.646	105	388834	24.5196552 ppb		98
87)	1,2-DICHLOROBENZENE	7.964	146	196663	23.8589864 ppb		99
88)	n-Butylbenzene	7.829	91	405449	25.7066110 ppb		99
89)	1,2-Dibromo-3-chloropr...	8.601	157	20956	22.4897270 ppb		91
90)	1,2,4-Trichlorobenzene	9.164	180	132608	25.7839447 ppb		99
91)	HEXACHLORO-1,3-BUTADIENE	9.144	225	71754	25.8606298 ppb		96
92)	Naphthalene	9.430	128	312729	23.9395006 ppb		99
93)	1,2,3-Trichlorobenzene	9.588	180	123350	25.6922576 ppb		99
94)	1-Methylnaphthalene	10.315	142	169512	26.2154260 ppb		98
95)	2-Methylnaphthalene	10.437	142	143077	26.7025663 ppb		97
100)	Methyl Acetate	2.710	43	179921	51.0555094 ppb	#	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 02.D
Acq On : 15 Nov 2015 12:11 am
Operator : 522
Sample : ICV VMS 25 PPB
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:11 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

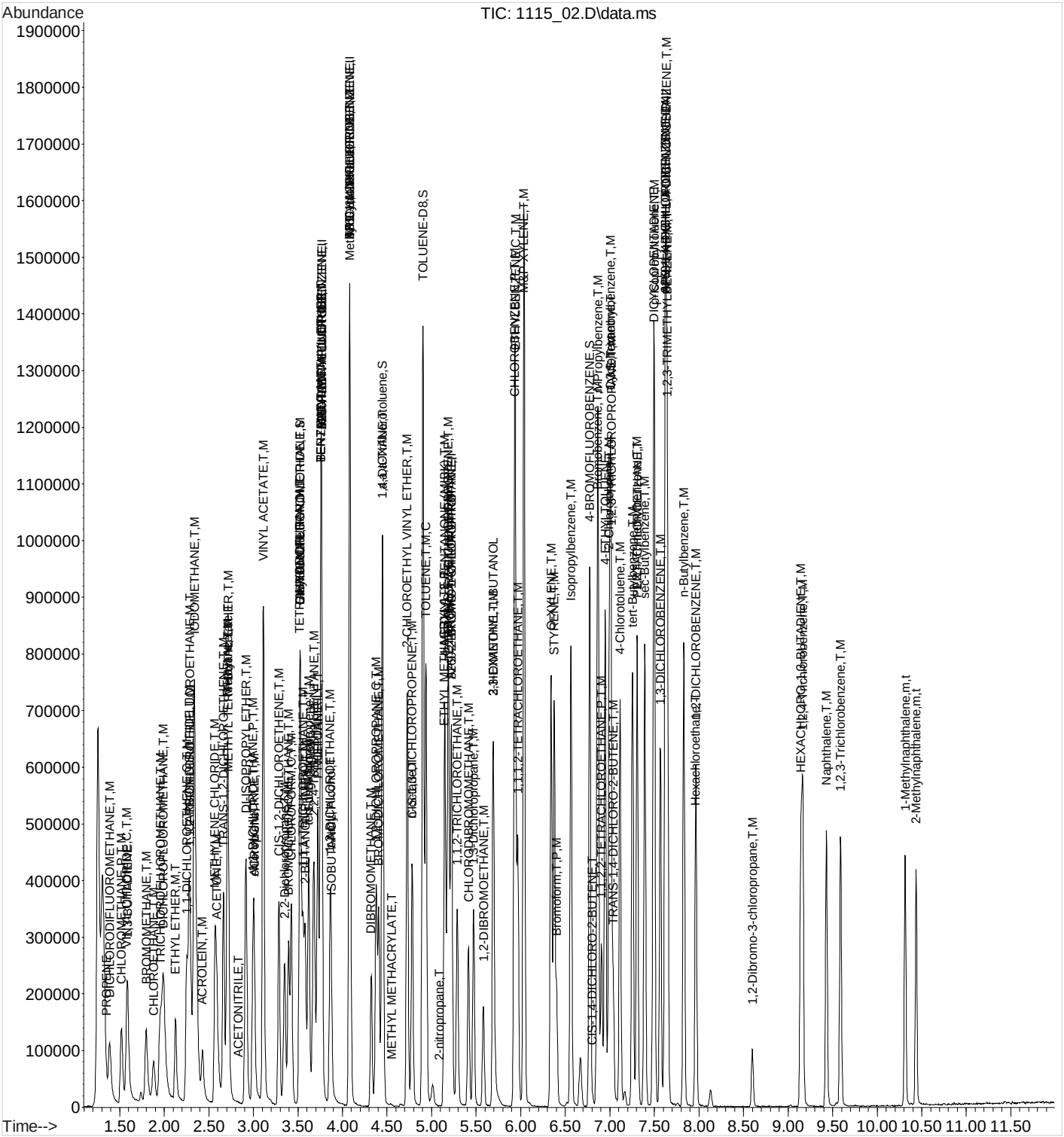
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) ACETONITRILE	2.829	41	1331	2.3244284	ppb #	34
104) chloroprene	3.009	53	131968	20.5642526	ppb #	23
106) PROPIONITRILE	3.726	54	2245	3.4711350	ppb #	1
107) Ethyl Acetate	3.524	43	5261	1.1095090	ppb #	51
108) METHACRYLONITRILE	3.765	67	1554	0.8493143	ppb #	1
110) tert-butyl formate	3.617	59	758	0.2621104	ppb #	10
111) ISOBUTANOL	3.874	43	9536	32.3263830	ppb #	1
112) t-Amyl Alcohol	3.868	59	6029	15.7689995	ppb #	40
113) TERT-AMYL METHYL ETHER	3.755	73	7032	0.4952527	ppb #	1
116) Methyl Cyclohexane	4.083	83	10559	0.4402521	ppb #	47
117) 2-nitropropane	5.090	43	573	0.4297772	ppb #	17
118) METHYL METHACRYLATE	4.550	41	849	0.1835991	ppb #	21
119) 1,4-DIOXANE	4.447	88	4772	107.7273829	ppb #	31
120) n-octane	4.781	85	2773	0.7815046	ppb #	25
121) 3,3-DIMETHYL-1-BUTANOL	5.691	57	71582	117.0545691	ppb #	38
123) ETHYL METHACRYLATE	5.141	69	3264	0.6376702	ppb #	1
124) CIS-1,4-DICHLORO-2-BUTENE	6.804	53	1498	0.9947612	ppb #	20
125) Cyclohexanone	7.009	55	1122	0.9073102	ppb #	1
126) PENTACHLOROETHANE	7.308	117	13767	4.6627867	ppb #	13
127) Hexachloroethane	7.958	117	842	0.2371291	ppb #	18

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 02.D
Acq On : 15 Nov 2015 12:11 am
Operator : 522
Sample : ICV VMS 25 PPB
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:11 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 03.D
Acq On : 15 Nov 2015 12:29 am
Operator : 522
Sample : AP9CV
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:16 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 8260-PENTAFLUOROBENZENE	3.765	168	398637	40.0000000	ppb		0.00
41) 8260-1,4-DIFLUOROBENZENE	4.083	114	641530	40.0000000	ppb		0.00
53) 8260-2-BROMO-1-CHLOROP...	5.222	79	101464	40.0000000	ppb		0.00
84) 8260-1,4-DICHLOROBENZE...	7.624	152	273367	40.0000000	ppb		0.00
96) AP9-PENTAFLUOROBENZENE	3.765	168	398637	40.0000000	ppb		0.00
114) AP9-1,4-DIFLUOROBENZENE	4.083	114	641530	40.0000000	ppb		0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.222	79	101464	40.0000000	ppb	#	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.624	152	273367	40.0000000	ppb		0.00
System Monitoring Compounds							
33) DIBROMOFLUOROMETHANE	3.527	111	232787	38.7638761	ppb		0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 96.91%				
46) a,a,a-Trifluorotoluene	4.450	146	334019	40.3739516	ppb		0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 100.93%				
50) TOLUENE-D8	4.903	98	752576	40.1304559	ppb		0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 100.33%				
68) 4-BROMOFLUOROBENZENE	6.775	95	271677	42.6363655	ppb		0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 106.59%				
Target Compounds							Qvalue
7) 1,3-BUTADIENE	1.569	39	2814	0.7204469	ppb		84
16) ACETONE	2.588	43	3396	1.3928906	ppb		97
19) METHYLENE CHLORIDE	2.569	84	8978	1.5966863	ppb		93
20) ACRYLONITRILE	2.987	53	378848	201.8632188	ppb	#	53
24) 1,1-DICHLOROETHANE	2.984	63	6556	0.6567494	ppb	#	42
25) VINYL ACETATE	3.116	43	17052	1.5236415	ppb	#	81
29) 2-BUTANONE (MEK)	3.595	43	1352	0.3846443	ppb	#	54
31) TETRAHYDROFURAN	3.473	42	28809	16.0587562	ppb	#	33
32) CHLOROFORM	3.415	83	4455	0.4703043	ppb	#	54
37) 2,2,4-TRIMETHYLPENTANE	3.666	57	28382	1.3327806	ppb	#	1
38) HEPTANE	3.669	43	6215	0.6249970	ppb	#	1
42) TRICHLOROETHENE	4.080	130	3754	0.7643778	ppb	#	68
49) 4-METHYL-2-PENTANONE (...	5.151	43	2655	0.4727473	ppb	#	85
52) TRANS-1,3-DICHLOROPROPENE	5.225	75	5581	0.7492514	ppb	#	1
55) TETRACHLOROETHENE	5.193	164	18608	5.4618905	ppb		99
57) 2-HEXANONE	5.691	58	1270	0.6056968	ppb	#	29
61) 1,1,1,2-TETRACHLOROETHANE	5.968	133	2421	0.5939871	ppb	#	86
72) TRANS-1,4-DICHLORO-2-B...	7.045	53	5887	3.9102578	ppb	#	58
78) tert-Butylbenzene	7.276	119	145091	11.4467026	ppb	#	31
79) 1,2,4-Trimethylbenzene	7.305	105	4829	0.3036041	ppb		88
88) n-Butylbenzene	7.833	91	6180	0.3661912	ppb		96
90) 1,2,4-Trichlorobenzene	9.167	180	2010	0.3652469	ppb		93
91) HEXACHLORO-1,3-BUTADIENE	9.141	225	1151	0.3876851	ppb	#	52
92) Naphthalene	9.434	128	8041	0.5752648	ppb		99
93) 1,2,3-Trichlorobenzene	9.591	180	2935	0.5713234	ppb	#	77
94) 1-Methylnaphthalene	10.315	142	6967	1.0069620	ppb		93
95) 2-Methylnaphthalene	10.440	142	6542	1.1410496	ppb		92
97) ETHANOL	2.199	45	9426	215.8918175	ppb	#	53
98) Bromoethane	2.402	108	39346	9.8156894	ppb		99
100) Methyl Acetate	2.656	43	578969	145.5088603	ppb	#	99
101) ACETONITRILE	2.842	41	114563	177.1968001	ppb		97
102) ALLYL CHLORIDE	2.514	76	103593	44.5956820	ppb		98
103) tert-BUTYL ALCOHOL	2.752	59	24915	27.2247502	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 03.D
Acq On : 15 Nov 2015 12:29 am
Operator : 522
Sample : AP9CV
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:16 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

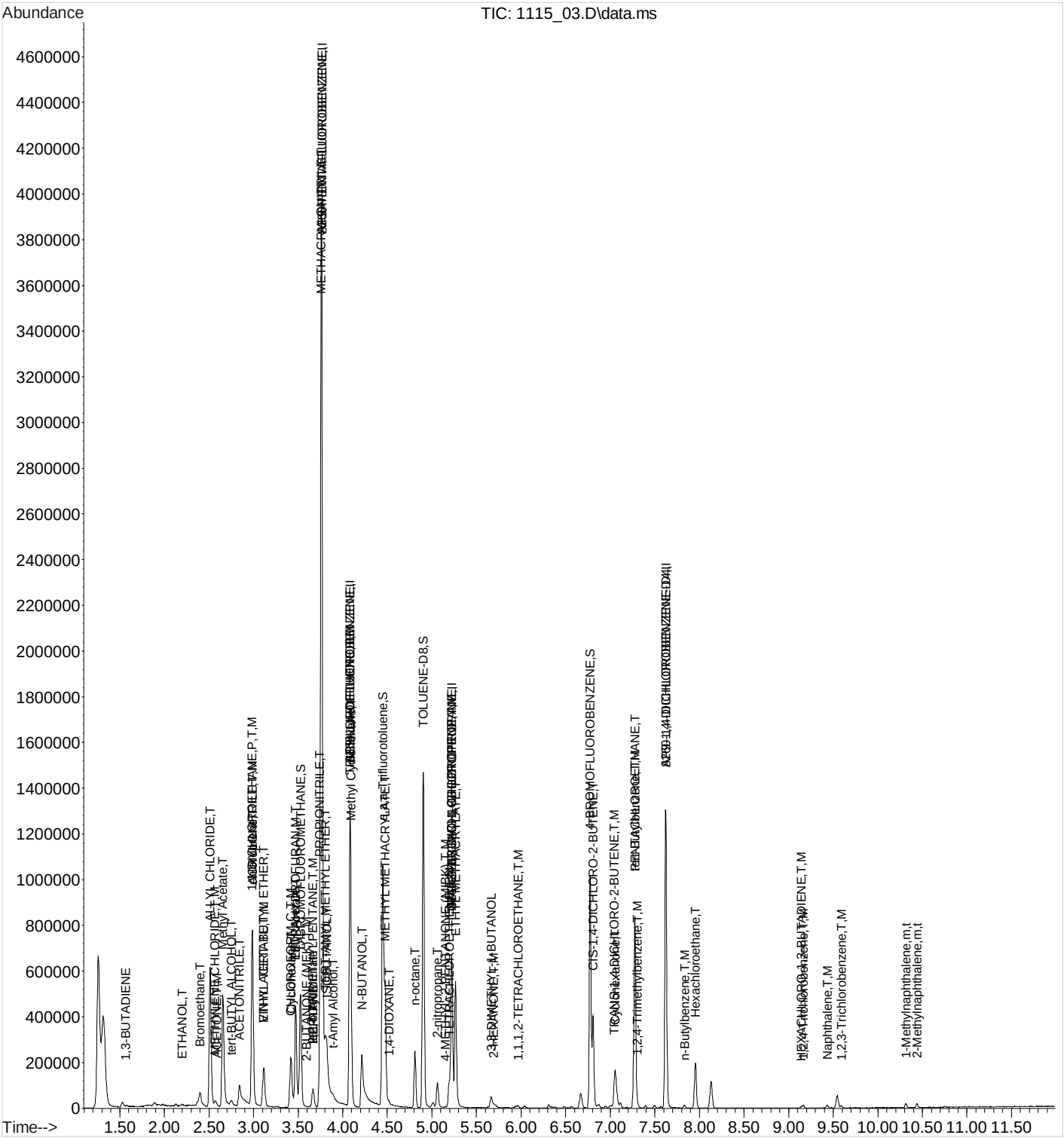
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
104) chloroprene	2.987	53	378848	52.2856686 ppb		91
105) ETHYL TERT-BUTYL ETHER	3.112	59	126000	8.5295686 ppb		99
106) PROPIONITRILE	3.743	54	228868	313.4105475 ppb	#	65
107) Ethyl Acetate	3.473	43	430020	80.3201558 ppb		98
108) METHACRYLONITRILE	3.759	67	774503	374.8986563 ppb		91
109) Cyclohexane	3.421	56	95934	7.9985378 ppb		95
110) tert-butyl formate	3.666	59	35160	10.7680547 ppb		99
111) ISOBUTANOL	3.823	43	199243	598.2012485 ppb		98
112) t-Amyl Alcohol	3.891	59	9931	23.0051574 ppb	#	72
113) TERT-AMYL METHYL ETHER	3.804	73	127162	7.9319276 ppb	#	68
115) N-BUTANOL	4.215	56	175982	1177.9158787 ppb		97
116) Methyl Cyclohexane	4.090	83	101847	9.2111088 ppb		97
117) 2-nitropropane	5.061	43	66475	45.9822074 ppb		95
118) METHYL METHACRYLATE	4.476	41	201998	40.2858549 ppb		90
119) 1,4-DIOXANE	4.518	88	18299	380.9743983 ppb	#	69
120) n-octane	4.810	85	33843	8.7961630 ppb		96
121) 3,3-DIMETHYL-1-BUTANOL	5.665	57	26242	39.5753016 ppb	#	87
123) ETHYL METHACRYLATE	5.264	69	222877	42.6659786 ppb		96
124) CIS-1,4-DICHLORO-2-BUTENE	6.807	53	74032	48.1722616 ppb	#	79
125) Cyclohexanone	7.054	55	80929	64.1265109 ppb		95
126) PENTACHLOROETHANE	7.276	117	144799	48.0554136 ppb		98
127) Hexachloroethane	7.955	117	37426	10.3280117 ppb	#	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 03.D
Acq On : 15 Nov 2015 12:29 am
Operator : 522
Sample : AP9CV
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:16 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 04.D
Acq On : 15 Nov 2015 12:48 am
Operator : 522
Sample : LCS 1x WG829141
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:21 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.768	168	397509	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.084	114	623061	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.225	79	108075	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.624	152	283910	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.768	168	397509	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.084	114	623061	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.225	79	108075	40.0000000 ppb	# 0.00
128) AP9-1,4-DICHLOROBENZEN...	7.624	152	283910	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.527	111	234564	39.1706224 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 97.93%		
46) a,a,a-Trifluorotoluene	4.450	146	340513	42.3789494 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 105.95%		
50) TOLUENE-D8	4.903	98	763891	41.9412650 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 104.85%		
68) 4-BROMOFLUOROBENZENE	6.775	95	279579	41.1925413 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 102.98%		
Target Compounds					Qvalue
3) PROPENE	1.357	41	7523	8.1032084 ppb #	83
4) DICHLORODIFLUOROMETHANE	1.396	85	139354	26.9369442 ppb	98
5) CHLOROMETHANE	1.524	50	154907	20.6111227 ppb	97
6) VINYL CHLORIDE	1.588	62	151254	25.5471639 ppb	99
7) 1,3-BUTADIENE	1.595	39	80459	20.6577551 ppb	97
8) BROMOMETHANE	1.807	94	99923	22.8916184 ppb	100
9) CHLOROETHANE	1.891	64	75850	25.1386821 ppb	93
10) TRICHLOROFLUOROMETHANE	1.965	101	208966	28.6075561 ppb	97
11) DICHLOROFLUOROMETHANE	2.000	67	249712	27.1342828 ppb	99
12) ETHYL ETHER	2.132	59	83353	24.2297826 ppb	97
13) ACROLEIN	2.434	56	64793	109.7600082 ppb	96
14) 1,1-DICHLOROETHENE	2.254	61	193589	27.9935232 ppb	89
15) 1,1,2-TRICHLOROTRIFLUO...	2.289	101	108076	25.8163089 ppb #	95
16) ACETONE	2.592	43	253765	104.3786530 ppb #	88
17) IODOMETHANE	2.341	142	1018424	110.4076683 ppb	90
18) CARBON DISULFIDE	2.286	76	396220	24.2737913 ppb #	93
19) METHYLENE CHLORIDE	2.576	84	122039	21.7655322 ppb	98
20) ACRYLONITRILE	3.013	53	155778	83.2394034 ppb	97
21) n-Hexane	2.711	56	103759	21.8126717 ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.669	96	115654	22.7156947 ppb	94
23) METHYL TERT-BUTYL ETHER	2.720	73	270733	20.8009779 ppb	96
24) 1,1-DICHLOROETHANE	3.000	63	238593	23.9689535 ppb	98
25) VINYL ACETATE	3.116	43	1276881	114.4164643 ppb	99
26) DI-ISOPROPYL ETHER	2.920	45	405059	21.5383738 ppb	89
27) 2,2-Dichloropropane	3.350	77	155266	25.5400381 ppb	96
28) CIS-1,2-DICHLOROETHENE	3.289	96	122804	21.8481855 ppb	95
29) 2-BUTANONE (MEK)	3.585	43	316997	90.4416344 ppb #	91
30) BROMOCHLOROMETHANE	3.399	130	76470	22.6779199 ppb	92
31) TETRAHYDROFURAN	3.524	42	28035	15.6716571 ppb #	92
32) CHLOROFORM	3.428	83	242381	25.6602232 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.559	97	191820	26.6203632 ppb	96
35) CARBON TETRACHLORIDE	3.527	117	205237	26.6904756 ppb	99
36) 1,1-Dichloropropene	3.624	75	163779	23.6000527 ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 04.D
Acq On : 15 Nov 2015 12:48 am
Operator : 522
Sample : LCS 1x WG829141
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:21 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.682	57	433277	20.4038409 ppb		91
38)	HEPTANE	3.727	43	234623	23.6612702 ppb		96
39)	BENZENE	3.759	78	464027	21.6068081 ppb		94
40)	1,2-DICHLOROETHANE	3.862	62	187646	27.6459862 ppb	#	92
42)	TRICHLOROETHENE	4.084	130	119660	25.0870279 ppb		99
43)	1,2-DICHLOROPROPANE	4.379	62	93874	23.7589201 ppb		99
44)	DIBROMOMETHANE	4.325	93	82898	25.4946758 ppb		95
45)	BROMODICHLOROMETHANE	4.408	83	187526	28.1065400 ppb		99
47)	2-CHLOROETHYL VINYL ETHER	4.727	63	312316	116.2946808 ppb		99
48)	CIS-1,3-DICHLOROPROPENE	4.784	75	213467	26.1145723 ppb		99
49)	4-METHYL-2-PENTANONE (...	5.148	43	552531	101.2995660 ppb		94
51)	TOLUENE	4.939	91	467507	22.9243622 ppb		98
52)	TRANS-1,3-DICHLOROPROPENE	5.183	75	203695	28.1567366 ppb		97
54)	1,1,2-TRICHLOROETHANE	5.289	97	100867	23.7282233 ppb		99
55)	TETRACHLOROETHENE	5.193	164	93562	25.7827670 ppb		96
56)	1,3-Dichloropropane	5.473	76	168664	22.3874175 ppb		100
57)	2-HEXANONE	5.691	58	235656	105.5156354 ppb		86
58)	CHLORODIBROMOMETHANE	5.415	129	127860	26.0218266 ppb		100
59)	1,2-DIBROMOETHANE	5.582	107	108364	23.3129260 ppb		97
60)	CHLOROBENZENE	5.929	112	323496	25.4027358 ppb		97
61)	1,1,1,2-TETRACHLOROETHANE	5.968	133	114621	26.4017781 ppb	#	97
62)	ETHYLBENZENE	5.939	106	166195	25.4462364 ppb		94
63)	M&P-XYLENE	6.038	106	411247	49.4024916 ppb		96
64)	O-XYLENE	6.341	106	189744	23.8396703 ppb		95
65)	STYRENE	6.376	104	329965	25.0564479 ppb		95
66)	Bromoform	6.402	173	80467	25.6747865 ppb		100
67)	Isopropylbenzene	6.566	105	518808	25.3498846 ppb		98
69)	Bromobenzene	6.858	77	241626	24.7265876 ppb		100
70)	1,1,2,2-TETRACHLOROETHANE	6.907	83	141272	22.1500710 ppb		99
71)	1,2,3-TRICHLOROPROPANE	7.016	110	35117	25.0902678 ppb		97
72)	TRANS-1,4-DICHLORO-2-B...	7.038	53	40643	25.3445067 ppb		94
73)	n-Propylbenzene	6.868	91	642271	25.1079707 ppb		97
74)	4-ETHYLTOLUENE	6.948	105	516825	24.6848548 ppb		100
75)	2-Chlorotoluene	6.993	126	114876	23.0702095 ppb		96
76)	4-Chlorotoluene	7.116	91	390610	25.9380794 ppb		99
77)	1,3,5-Trimethylbenzene	7.009	105	430937	25.7071285 ppb		98
78)	tert-Butylbenzene	7.254	119	341073	25.2623647 ppb		95
79)	1,2,4-Trimethylbenzene	7.305	105	414278	24.4528280 ppb		98
80)	sec-Butylbenzene	7.392	105	563262	25.5878218 ppb		99
81)	1,3-DICHLOROBENZENE	7.566	146	236953	24.8764479 ppb		97
82)	p-Isopropyltoluene	7.498	119	454171	25.6978499 ppb		97
83)	DICYCLOPENTADIENE	7.492	66	563129	24.1033972 ppb		99
85)	1,4-DICHLOROBENZENE	7.633	146	240443	23.7098121 ppb		99
86)	1,2,3-TRIMETHYLBENZENE	7.646	105	427031	24.2318040 ppb		99
87)	1,2-DICHLOROBENZENE	7.964	146	225136	24.5782238 ppb		99
88)	n-Butylbenzene	7.829	91	467432	26.6687862 ppb		98
89)	1,2-Dibromo-3-chloropr...	8.601	157	23376	22.5747116 ppb		88
90)	1,2,4-Trichlorobenzene	9.164	180	159160	27.8477290 ppb		98
91)	HEXACHLORO-1,3-BUTADIENE	9.144	225	88447	28.6848317 ppb		98
92)	Naphthalene	9.431	128	358826	24.7176428 ppb		100
93)	1,2,3-Trichlorobenzene	9.588	180	143170	26.8343671 ppb		98
94)	1-Methylnaphthalene	10.312	142	190258	26.4774171 ppb		96
95)	2-Methylnaphthalene	10.437	142	168357	28.2742160 ppb		98
100)	Methyl Acetate	2.714	43	204705	51.5932895 ppb	#	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 04.D
Acq On : 15 Nov 2015 12:48 am
Operator : 522
Sample : LCS 1x WG829141
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:21 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
101) ACETONITRILE	2.833	41	877	1.3603220 ppb #	34
103) tert-BUTYL ALCOHOL	2.749	59	893	0.9785547 ppb #	65
104) chloroprene	3.013	53	155778	21.5602817 ppb #	23
106) PROPIONITRILE	3.727	54	3572	4.9053570 ppb #	1
107) Ethyl Acetate	3.482	43	1019	0.1908713 ppb #	68
108) METHACRYLONITRILE	3.762	67	3942	1.9135422 ppb #	1
110) tert-butyl formate	3.678	59	502	0.1541781 ppb #	1
111) ISOBUTANOL	3.871	43	9591	28.8774456 ppb #	1
112) t-Amyl Alcohol	3.875	59	6395	14.8560522 ppb #	41
116) Methyl Cyclohexane	4.084	83	12127	0.5408812 ppb #	46
117) 2-nitropropane	5.090	43	1192	0.8489735 ppb #	17
118) METHYL METHACRYLATE	4.485	41	697	0.1431280 ppb #	21
119) 1,4-DIOXANE	4.450	88	5530	118.5441067 ppb #	28
120) n-octane	4.784	85	2910	0.7787603 ppb #	30
121) 3,3-DIMETHYL-1-BUTANOL	5.691	57	78991	122.6567115 ppb #	34
123) ETHYL METHACRYLATE	5.273	69	1253	0.2251927 ppb #	1
124) CIS-1,4-DICHLORO-2-BUTENE	6.807	53	1477	0.9022872 ppb #	19
125) Cyclohexanone	7.013	55	1255	0.9336066 ppb #	1
126) PENTACHLOROETHANE	7.305	117	14551	4.5337371 ppb #	13
127) Hexachloroethane	7.961	117	1269	0.3287696 ppb #	46

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

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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
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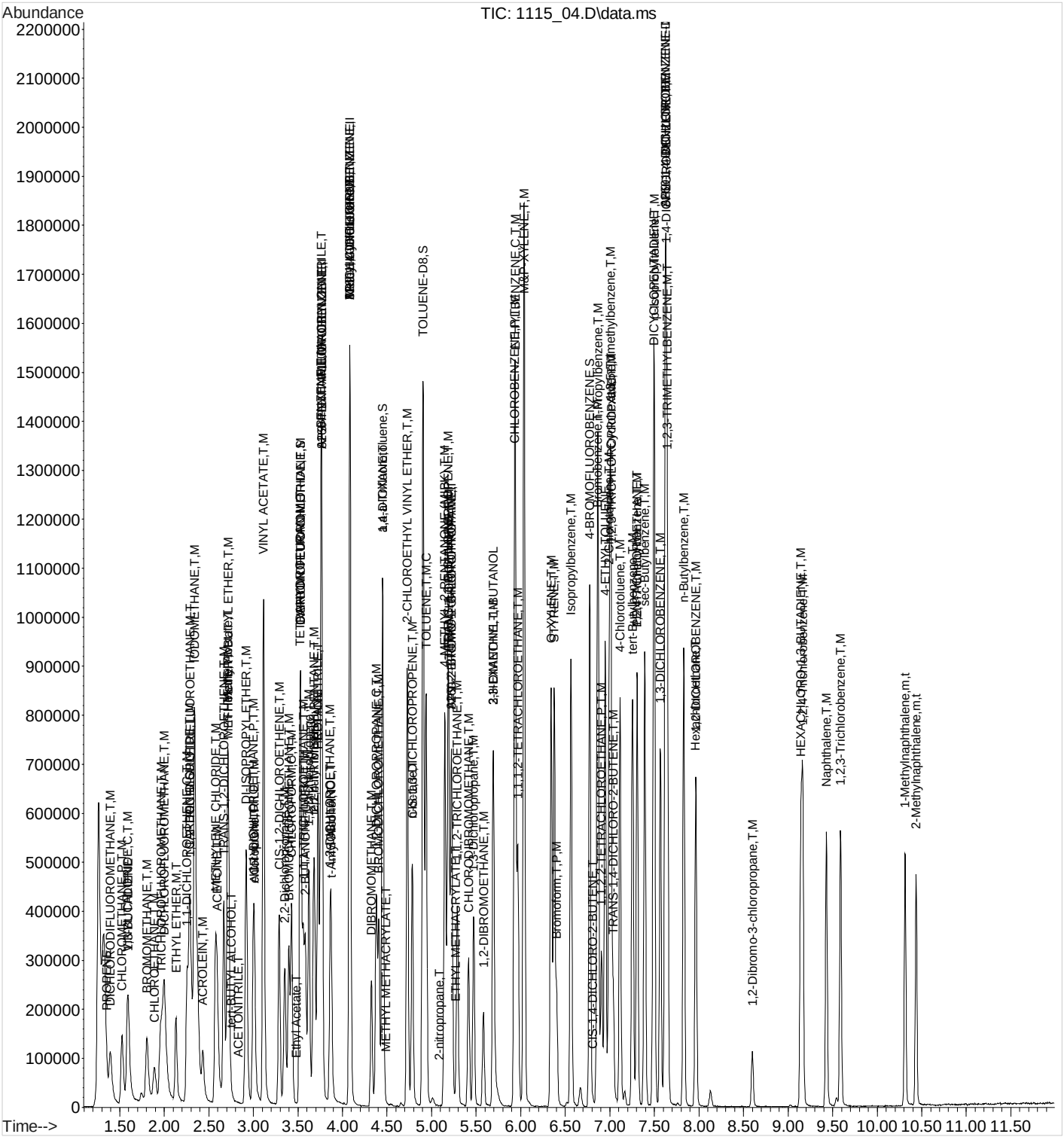

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 05.D
Acq On : 15 Nov 2015 1:06 am
Operator : 522
Sample : LCSD 1x WG829141
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:26 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 8260-PENTAFLUOROBENZENE	3.765	168	377105	40.0000000	ppb		0.00
41) 8260-1,4-DIFLUOROBENZENE	4.080	114	616143	40.0000000	ppb		0.00
53) 8260-2-BROMO-1-CHLOROP...	5.222	79	103638	40.0000000	ppb		0.00
84) 8260-1,4-DICHLOROBENZE...	7.623	152	271909	40.0000000	ppb		0.00
96) AP9-PENTAFLUOROBENZENE	3.765	168	377105	40.0000000	ppb		0.00
114) AP9-1,4-DIFLUOROBENZENE	4.080	114	616143	40.0000000	ppb		0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.222	79	103638	40.0000000	ppb	#	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.623	152	271909	40.0000000	ppb		0.00
System Monitoring Compounds							
33) DIBROMOFLUOROMETHANE	3.524	111	233429	41.0902325	ppb		0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 102.73%				
46) a,a,a-Trifluorotoluene	4.450	146	326128	41.0443729	ppb		0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 102.61%				
50) TOLUENE-D8	4.903	98	751957	41.7495874	ppb		0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 104.37%				
68) 4-BROMOFLUOROBENZENE	6.775	95	265928	40.8586795	ppb		0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 102.15%				
Target Compounds							Qvalue
3) PROPENE	1.347	41	8662	10.4617776	ppb		93
4) DICHLORODIFLUOROMETHANE	1.386	85	133394	27.1800254	ppb		96
5) CHLOROMETHANE	1.518	50	152540	21.3943464	ppb		99
6) VINYL CHLORIDE	1.579	62	139681	24.8689722	ppb		98
7) 1,3-BUTADIENE	1.585	39	91366	24.7273617	ppb		90
8) BROMOMETHANE	1.794	94	95718	23.1147566	ppb		99
9) CHLOROETHANE	1.878	64	70728	24.7094440	ppb		93
10) TRICHLOROFLUOROMETHANE	1.955	101	191873	27.6887704	ppb		98
11) DICHLOROFLUOROMETHANE	1.990	67	230596	26.4128569	ppb		98
12) ETHYL ETHER	2.125	59	77175	23.6477374	ppb		96
13) ACROLEIN	2.427	56	59282	105.8579707	ppb		98
14) 1,1-DICHLOROETHENE	2.247	61	180124	27.4557393	ppb		93
15) 1,1,2-TRICHLOROTRIFLUO...	2.283	101	95347	24.0080339	ppb	#	91
16) ACETONE	2.588	43	237429	102.9433753	ppb	#	88
17) IODOMETHANE	2.334	142	974681	111.3827120	ppb		92
18) CARBON DISULFIDE	2.280	76	374707	24.1979013	ppb	#	95
19) METHYLENE CHLORIDE	2.569	84	115207	21.6587902	ppb		94
20) ACRYLONITRILE	3.009	53	141120	79.4869949	ppb		99
21) n-Hexane	2.707	56	98339	21.7918223	ppb		95
22) TRANS-1,2-DICHLOROETHENE	2.662	96	103457	21.4195292	ppb		95
23) METHYL TERT-BUTYL ETHER	2.717	73	250464	20.2848847	ppb		94
24) 1,1-DICHLOROETHANE	2.993	63	209915	22.2289794	ppb		99
25) VINYL ACETATE	3.109	43	1137241	107.4175597	ppb		99
26) DI-ISOPROPYL ETHER	2.916	45	381986	21.4104968	ppb		92
27) 2,2-Dichloropropane	3.347	77	148343	25.7215366	ppb		95
28) CIS-1,2-DICHLOROETHENE	3.286	96	116623	21.8711564	ppb		94
29) 2-BUTANONE (MEK)	3.579	43	304058	91.4438199	ppb		99
30) BROMOCHLOROMETHANE	3.395	130	67894	21.2240470	ppb		93
31) TETRAHYDROFURAN	3.521	42	27062	15.9462631	ppb	#	91
32) CHLOROFORM	3.424	83	220433	24.5993224	ppb		98
34) 1,1,1-TRICHLOROETHANE	3.556	97	178725	26.1450858	ppb		96
35) CARBON TETRACHLORIDE	3.524	117	197952	27.1359621	ppb		98
36) 1,1-Dichloropropene	3.620	75	151869	23.0679268	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 05.D
Acq On : 15 Nov 2015 1:06 am
Operator : 522
Sample : LCSD 1x WG829141
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:26 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.678	57	391766	19.4472282 ppb		91
38)	HEPTANE	3.723	43	208451	22.1593047 ppb		97
39)	BENZENE	3.755	78	422785	20.7516010 ppb		95
40)	1,2-DICHLOROETHANE	3.858	62	168838	26.2209034 ppb	#	94
42)	TRICHLOROETHENE	4.080	130	110228	23.3690571 ppb		95
43)	1,2-DICHLOROPROPANE	4.376	62	85764	21.9500468 ppb		98
44)	DIBROMOMETHANE	4.321	93	75793	23.5713028 ppb		98
45)	BROMODICHLOROMETHANE	4.408	83	171952	26.0616661 ppb		99
47)	2-CHLOROETHYL VINYL ETHER	4.726	63	283209	106.6403881 ppb		99
48)	CIS-1,3-DICHLOROPROPENE	4.781	75	191357	23.6725789 ppb		99
49)	4-METHYL-2-PENTANONE (...	5.148	43	501002	92.8836865 ppb		95
51)	TOLUENE	4.935	91	445759	22.1033608 ppb		99
52)	TRANS-1,3-DICHLOROPROPENE	5.183	75	172458	24.1065102 ppb	#	98
54)	1,1,2-TRICHLOROETHANE	5.289	97	89598	21.9796439 ppb		98
55)	TETRACHLOROETHENE	5.193	164	87934	25.2692922 ppb		98
56)	1,3-Dichloropropane	5.469	76	159602	22.0915482 ppb		98
57)	2-HEXANONE	5.691	58	217568	101.5873326 ppb		89
58)	CHLORODIBROMOMETHANE	5.415	129	119627	25.3885858 ppb		98
59)	1,2-DIBROMOETHANE	5.582	107	99875	22.4065386 ppb		99
60)	CHLOROBENZENE	5.929	112	286482	23.4593047 ppb		98
61)	1,1,1,2-TETRACHLOROETHANE	5.968	133	104325	25.0589920 ppb	#	95
62)	ETHYLBENZENE	5.939	106	147039	23.4770954 ppb		96
63)	M&P-XYLENE	6.035	106	365691	45.8106657 ppb		95
64)	O-XYLENE	6.340	106	181665	23.8017931 ppb		95
65)	STYRENE	6.376	104	298425	23.6315959 ppb		96
66)	Bromoform	6.402	173	73409	24.4255617 ppb		97
67)	Isopropylbenzene	6.562	105	459927	23.4349726 ppb		98
69)	Bromobenzene	6.858	77	233723	24.9418230 ppb		97
70)	1,1,2,2-TETRACHLOROETHANE	6.906	83	129388	21.1553030 ppb		98
71)	1,2,3-TRICHLOROPROPANE	7.016	110	32049	23.8785853 ppb		99
72)	TRANS-1,4-DICHLORO-2-B...	7.038	53	38698	25.1647620 ppb	#	80
73)	n-Propylbenzene	6.868	91	628953	25.6399819 ppb		98
74)	4-ETHYLTOLUENE	6.948	105	477170	23.7665649 ppb		100
75)	2-Chlorotoluene	6.993	126	108236	22.6673206 ppb		92
76)	4-Chlorotoluene	7.115	91	348643	24.1424660 ppb		100
77)	1,3,5-Trimethylbenzene	7.009	105	400547	24.9172144 ppb		96
78)	tert-Butylbenzene	7.254	119	307749	23.7700191 ppb		95
79)	1,2,4-Trimethylbenzene	7.308	105	389468	23.9726046 ppb		97
80)	sec-Butylbenzene	7.392	105	527572	24.9925646 ppb		100
81)	1,3-DICHLOROBENZENE	7.569	146	221982	24.3024544 ppb		98
82)	p-Isopropyltoluene	7.498	119	430908	25.4254218 ppb		97
83)	DICYCLOPENTADIENE	7.492	66	526068	23.4811017 ppb		100
85)	1,4-DICHLOROBENZENE	7.633	146	229759	23.6562343 ppb		99
86)	1,2,3-TRIMETHYLBENZENE	7.646	105	409937	24.2884930 ppb		99
87)	1,2-DICHLOROBENZENE	7.964	146	209744	23.9084929 ppb		98
88)	n-Butylbenzene	7.829	91	445845	26.5598622 ppb		99
89)	1,2-Dibromo-3-chloropr...	8.601	157	21749	21.9304939 ppb		93
90)	1,2,4-Trichlorobenzene	9.164	180	142528	26.0383315 ppb		99
91)	HEXACHLORO-1,3-BUTADIENE	9.144	225	82043	27.7822771 ppb		98
92)	Naphthalene	9.430	128	321878	23.1510956 ppb		100
93)	1,2,3-Trichlorobenzene	9.588	180	132642	25.9583749 ppb		100
94)	1-Methylnaphthalene	10.315	142	189115	27.4799396 ppb		98
95)	2-Methylnaphthalene	10.437	142	159701	28.0042623 ppb		98
100)	Methyl Acetate	2.710	43	198139	52.6404278 ppb	#	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 05.D
Acq On : 15 Nov 2015 1:06 am
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Misc : water
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Quant Time: Nov 17 09:10:26 2015
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QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

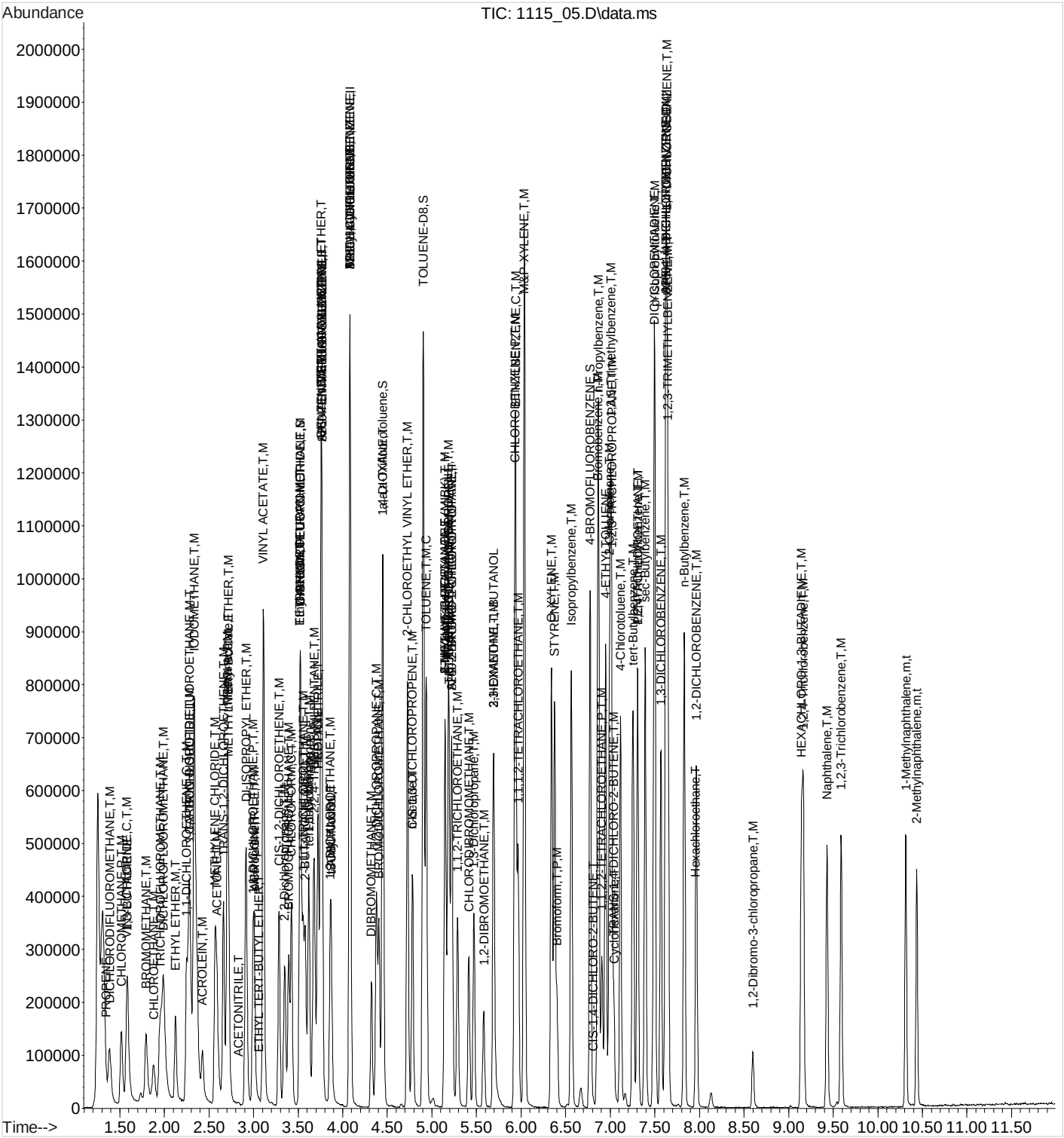
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) ACETONITRILE	2.833	41	1215	1.9865664	ppb #	34
104) chloroprene	3.009	53	141120	20.5883504	ppb #	23
105) ETHYL TERT-BUTYL ETHER	3.058	59	2344	0.1677372	ppb #	41
106) PROPIONITRILE	3.723	54	2629	3.8056990	ppb #	1
107) Ethyl Acetate	3.521	43	5690	1.1234751	ppb #	53
108) METHACRYLONITRILE	3.762	67	1775	0.9082480	ppb #	1
110) tert-butyl formate	3.624	59	1309	0.4237828	ppb #	10
111) ISOBUTANOL	3.871	43	6842	21.7151397	ppb #	1
112) t-Amyl Alcohol	3.871	59	6443	15.7774086	ppb #	46
113) TERT-AMYL METHYL ETHER	3.759	73	8350	0.5505835	ppb #	1
116) Methyl Cyclohexane	4.080	83	11090	0.4497231	ppb #	42
117) 2-nitropropane	5.148	43	501088	360.8950485	ppb #	42
119) 1,4-DIOXANE	4.447	88	5159	111.8328554	ppb #	16
120) n-octane	4.781	85	2805	0.7590891	ppb #	22
121) 3,3-DIMETHYL-1-BUTANOL	5.691	57	71161	111.7390041	ppb #	35
123) ETHYL METHACRYLATE	5.148	69	3286	0.6158529	ppb #	1
124) CIS-1,4-DICHLORO-2-BUTENE	6.807	53	1437	0.9154345	ppb #	1
125) Cyclohexanone	7.045	55	559	0.4336489	ppb #	22
126) PENTACHLOROETHANE	7.308	117	13762	4.4714797	ppb #	13
127) Hexachloroethane	7.955	117	856	0.2312651	ppb #	12

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 05.D
Acq On : 15 Nov 2015 1:06 am
Operator : 522
Sample : LCSD 1x WG829141
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:26 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration



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

LCS Summary Report

Instrument ID	: VOCMS25	Work Group	: WG829141	Initial Prep Amt	: 0
Lab File ID	: 1115_06-4	Dilution	: 1	Final Prep Amt	: 0
Analysis Date	: 11/15/15 0124	Multiplier	: 1	Method	: V825I15O
Result Units	: PPM				

Parameter	True Value	LCS Result	LCS Rec.	Low Limit	High Limit	Qualifier
PROPENE	0.025	0	0	10	200	J4
DICHLORODIFLUOROMETHANE	0.025	0	0	56	134	J4
CHLOROMETHANE	0.025	0.000744457	2.98	55.8	134	J4
VINYL CHLORIDE	0.025	0	0	61.5	134	J4
1,3-BUTADIENE	0.025	0	0	36.2	142	J4
BROMOMETHANE	0.025	0	0	22.4	187	J4
CHLOROETHANE	0.025	0	0	41.2	153	J4
TRICHLOROFLUOROMETHANE	0.025	0	0	49.1	157	J4
DICHLOROFLUOROMETHANE	0.025	0	0	53.5	145	J4
ETHYL ETHER	0.025	0	0	56.6	136	J4
ACROLEIN	0.125	0	0	40.4	172	J4
1,1-DICHLOROETHENE	**0.025**	**0**	**0**	**59.9**	**137**	**J4**
1,1,2-TRICHLOROTRIFLUOROETHANE	0.025	0	0	62	141	J4
ACETONE	0.125	0.001677492	1.34	28.7	175	J4
IODOMETHANE	0.125	0.0002047209	0.164	64.6	137	J4
CARBON DISULFIDE	0.025	0.000178945	0.716	53	134	J4
METHYLENE CHLORIDE	0.025	0.001597047	6.39	69.5	120	J4
ACRYLONITRILE	0.125	0.1960738	157	58.2	145	J4
n-Hexane	0.025	0.000197639	0.791	59.5	132	J4
TRANS-1,2-DICHLOROETHENE	0.025	0	0	72.6	125	J4
METHYL TERT-BUTYL ETHER	0.025	0.0001913457	0.765	70.1	125	J4
1,1-DICHLOROETHANE	0.025	0.0006687675	2.68	71.7	127	J4
VINYL ACETATE	0.125	0.001480054	1.18	41.7	159	J4
DI-ISOPROPYL ETHER	0.025	0	0	65.1	135	J4
2,2-Dichloropropane	0.025	0.0001596547	0.639	61.3	134	J4
CIS-1,2-DICHLOROETHENE	0.025	0	0	77.3	122	J4
2-BUTANONE (MEK)	0.125	0.01317702	10.5	46.4	155	J4
BROMOCHLOROMETHANE	0.025	0	0	78.9	123	J4
TETRAHYDROFURAN	0.025	0.01498634	59.9	54	134	
CHLOROFORM	0.025	0.0004944226	1.98	73.2	125	J4
1,1,1-TRICHLOROETHANE	0.025	0	0	71.1	129	J4
CARBON TETRACHLORIDE	0.025	0	0	70.9	129	J4
1,1-Dichloropropene	0.025	0	0	72.5	127	J4
2,2,4-TRIMETHYLPENTANE	0.025	0.01301971	52.1	56.9	117	J4
BENZENE	**0.025**	**0**	**0**	**73**	**122**	**J4**
1,2-DICHLOROETHANE	0.025	0	0	65.3	126	J4
TRICHLOROETHENE	**0.025**	**0.0007153275**	**2.86**	**79.5**	**121**	**J4**
1,2-DICHLOROPROPANE	0.025	0	0	77.4	125	J4
DIBROMOMETHANE	0.025	0	0	79.5	118	J4
BROMODICHLOROMETHANE	0.025	0	0	75.5	121	J4
2-CHLOROETHYL VINYL ETHER	0.125	0	0	23.4	162	J4
CIS-1,3-DICHLOROPROPENE	0.025	0	0	77.7	124	J4
4-METHYL-2-PENTANONE (MIBK)	0.125	0.0006251739	0.5	63.3	138	J4

LCS Summary Report

Instrument ID	: VOCMS25	Work Group	: WG829141	Initial Prep Amt	: 0
Lab File ID	: 1115_06-4	Dilution	: 1	Final Prep Amt	: 0
Analysis Date	: 11/15/15 0124	Multiplier	: 1	Method	: V825I15O
Result Units	: PPM				

Parameter	True Value	LCS Result	LCS Rec.	Low Limit	High Limit	Qualifier
TOLUENE	**0.025**	**0.0001568563**	**0.627**	**77.9**	**116**	**J4**
TRANS-1,3-DICHLOROPROPENE	0.025	0.0008677543	3.47	73.5	127	J4
1,1,2-TRICHLOROETHANE	0.025	0.0001644626	0.658	81.6	120	J4
TETRACHLOROETHENE	0.025	0.008898592	35.6	73.5	130	J4
1,3-Dichloropropane	0.025	0	0	80.6	115	J4
2-HEXANONE	0.125	0.000872305	0.698	59.4	151	J4
CHLORODIBROMOMETHANE	0.025	0	0	78.2	124	J4
1,2-DIBROMOETHANE	0.025	0	0	79.8	122	J4
CHLOROBENZENE	**0.025**	**0**	**0**	**79.7**	**122**	**J4**
1,1,1,2-TETRACHLOROETHANE	0.025	0.0005541157	2.22	78.5	125	J4
ETHYLBENZENE	0.025	0.0001793686	0.717	80.9	121	J4
M&P-XYLENE	0.05	0.0003377283	0.675	78.5	122	J4
O-XYLENE	0.025	0.000209787	0.839	79.1	123	J4
STYRENE	0.025	0.000175578	0.702	79.9	124	J4
Bromoform	0.025	0	0	71.5	131	J4
Isopropylbenzene	0.025	0.0002378579	0.951	81.6	124	J4
Bromobenzene	0.025	0.0002461796	0.985	81.5	115	J4
1,1,2,2-TETRACHLOROETHANE	0.025	0	0	79.3	123	J4
1,2,3-TRICHLOROPROPANE	0.025	0	0	74.9	124	J4
TRANS-1,4-DICHLORO-2-BUTENE	0.025	0.004117147	16.5	58.3	129	J4
n-Propylbenzene	0.025	0.0002953848	1.18	81.9	122	J4
4-ETHYLTOLUENE	0.025	0.0002752081	1.1	69.5	137	J4
2-Chlorotoluene	0.025	0.0002298757	0.92	76.4	125	J4
4-Chlorotoluene	0.025	0.0002583384	1.03	81.5	121	J4
1,3,5-Trimethylbenzene	0.025	0.000301844	1.21	81	123	J4
tert-Butylbenzene	0.025	0.008689629	34.8	79.3	127	J4
1,2,4-Trimethylbenzene	0.025	0.0003296552	1.32	79	122	J4
sec-Butylbenzene	0.025	0.0003214351	1.29	80.6	126	J4
1,3-DICHLOROBENZENE	0.025	0.0002738546	1.1	77.6	127	J4
p-Isopropyltoluene	0.025	0.0003286701	1.31	77.6	129	J4
DICYCLOPENTADIENE	0.025	0.0001354034	0.542	73.4	126	J4
1,4-DICHLOROBENZENE	0.025	0.0003318723	1.33	82.2	114	J4
1,2,3-TRIMETHYLBENZENE	0.025	0.0003854079	1.54	79.9	118	J4
1,2-DICHLOROBENZENE	0.025	0.000350516	1.4	84.7	118	J4
n-Butylbenzene	0.025	0.0004802864	1.92	75.9	134	J4
1,2-Dibromo-3-chloropropane	0.025	0	0	64.8	131	J4
1,2,4-Trichlorobenzene	0.025	0.0006067933	2.43	76.1	136	J4
HEXACHLORO-1,3-BUTADIENE	0.025	0.000514931	2.06	73.7	133	J4
Naphthalene	0.025	0.0007206584	2.88	69.7	134	J4
1,2,3-Trichlorobenzene	0.025	0.0006950451	2.78	75.7	134	J4
1-Methylnaphthalene	0.025	0.001434676	5.74	48.8	157	J4
2-Methylnaphthalene	0.025	0.001407481	5.63	55.6	154	J4
Methyl Cyclohexane	0.01	0.008569879	85.7	70	130	

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

LCS Summary Report

Instrument ID	: VOCMS25	Work Group	: WG829141	Initial Prep Amt	: 0
Lab File ID	: 1115_06-4	Dilution	: 1	Final Prep Amt	: 0
Analysis Date	: 11/15/15 0124	Multiplier	: 1	Method	: V825I15O
Result Units	: PPM				

Parameter	True Value	LCS Result	LCS Rec.	Low Limit	High Limit	Qualifier
XYLENES, TOTAL		0.0005475153	0	0	0	J4

Surrogate Parameter	Spike Amt	Surr Result	Surr Rec.	Low Limit	High Limit	Qualifier
DIBROMOFLUOROMETHANE	40	0.03989581	99.74	79	121	
a,a,a-Trifluorotoluene	40	0.04143057	103.58	90	116	
TOLUENE-D8	40	0.04223535	105.59	90	115	
4-BROMOFLUOROBENZENE	40	0.03901502	97.54	80	120	

IS Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	391533	177000	706000	3.77		
8260-1,4-DIFLUOROBENZENE	622702	296000	1180000	4.08		
8260-2-BROMO-1-CHLOROPROPANE	108675	49700	199000	5.22		
8260-1,4-DICHLOROBENZENE-D4	265896	128000	511000	7.62		
AP9-PENTAFLUOROBENZENE	391533	177000	706000	3.77		
AP9-1,4-DIFLUOROBENZENE	622702	296000	1180000	4.08		
AP9-2-BROMO-1-CHLOROPROPANE	108675	49700	199000	5.22		
AP9-1,4-DICHLOROBENZENE-D4	265896	128000	511000	7.62		

Total Parm Count	: **87**	J3 Qual Count	: 0	J6 Qual Count	: 0
J1 Qual Count	: 0	J4 Qual Count	: 85	V Qual Count	: 0
J2 Qual Count	: 0	J5 Qual Count	: 0	Total J4 Count	: 85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 06.D
Acq On : 15 Nov 2015 1:24 am
Operator : 522
Sample : LCS 1x WG829141
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:31 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.765	168	391533	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.080	114	622702	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.222	79	108675	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.624	152	265896	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.765	168	391533	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.080	114	622702	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.222	79	108675	40.0000000 ppb	# 0.00
128) AP9-1,4-DICHLOROBENZEN...	7.624	152	265896	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.524	111	235315	39.8958130 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 99.74%		
46) a,a,a-Trifluorotoluene	4.450	146	332701	41.4305694 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 103.58%		
50) TOLUENE-D8	4.903	98	768804	42.2353476 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 105.59%		
68) 4-BROMOFLUOROBENZENE	6.775	95	266270	39.0150234 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 97.54%		
Target Compounds					Qvalue
5) CHLOROMETHANE	1.521	50	5511	0.7444570 ppb #	63
16) ACETONE	2.588	43	4017	1.6774917 ppb	96
17) IODOMETHANE	2.338	142	1860	0.2047209 ppb #	37
18) CARBON DISULFIDE	2.277	76	2877	0.1789450 ppb #	1
19) METHYLENE CHLORIDE	2.566	84	8820	1.5970475 ppb	96
20) ACRYLONITRILE	2.984	53	361425	196.0738239 ppb #	52
21) n-Hexane	2.707	56	926	0.1976390 ppb #	1
23) METHYL TERT-BUTYL ETHER	2.720	73	2453	0.1913457 ppb #	44
24) 1,1-DICHLOROETHANE	2.984	63	6557	0.6687675 ppb #	42
25) VINYL ACETATE	3.109	43	16269	1.4800540 ppb #	90
27) 2,2-Dichloropropane	3.412	77	956	0.1596547 ppb #	57
29) 2-BUTANONE (MEK)	3.666	43	45491	13.1770237 ppb #	54
31) TETRAHYDROFURAN	3.469	42	26406	14.9863397 ppb #	33
32) CHLOROFORM	3.415	83	4600	0.4944226 ppb #	59
37) 2,2,4-TRIMETHYLPENTANE	3.666	57	272318	13.0197078 ppb #	1
42) TRICHLOROETHENE	4.080	130	3410	0.7153275 ppb #	64
49) 4-METHYL-2-PENTANONE (...	5.145	43	3408	0.6251739 ppb	97
51) TOLUENE	4.939	91	3197	0.1568563 ppb	94
52) TRANS-1,3-DICHLOROPROPENE	5.225	75	6274	0.8677543 ppb #	1
54) 1,1,2-TRICHLOROETHANE	5.264	97	703	0.1644626 ppb #	1
55) TETRACHLOROETHENE	5.193	164	32471	8.8985918 ppb	97
57) 2-HEXANONE	5.698	58	1959	0.8723050 ppb	100
61) 1,1,1,2-TETRACHLOROETHANE	5.965	133	2419	0.5541157 ppb #	99
62) ETHYLBENZENE	5.939	106	1178	0.1793686 ppb	96
63) M&P-XYLENE	6.038	106	2827	0.3377283 ppb	91
64) O-XYLENE	6.344	106	1679	0.2097870 ppb	93
65) STYRENE	6.376	104	2325	0.1755780 ppb	96
67) Isopropylbenzene	6.566	105	4895	0.2378579 ppb #	91
69) Bromobenzene	6.862	77	2419	0.2461796 ppb #	86
72) TRANS-1,4-DICHLORO-2-B...	7.048	53	6639	4.1171468 ppb #	56
73) n-Propylbenzene	6.868	91	7598	0.2953848 ppb #	97
74) 4-ETHYLTOLUENE	6.948	105	5794	0.2752081 ppb	93
75) 2-Chlorotoluene	6.993	126	1151	0.2298757 ppb	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 06.D
Acq On : 15 Nov 2015 1:24 am
Operator : 522
Sample : LCS 1x WG829141
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:31 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

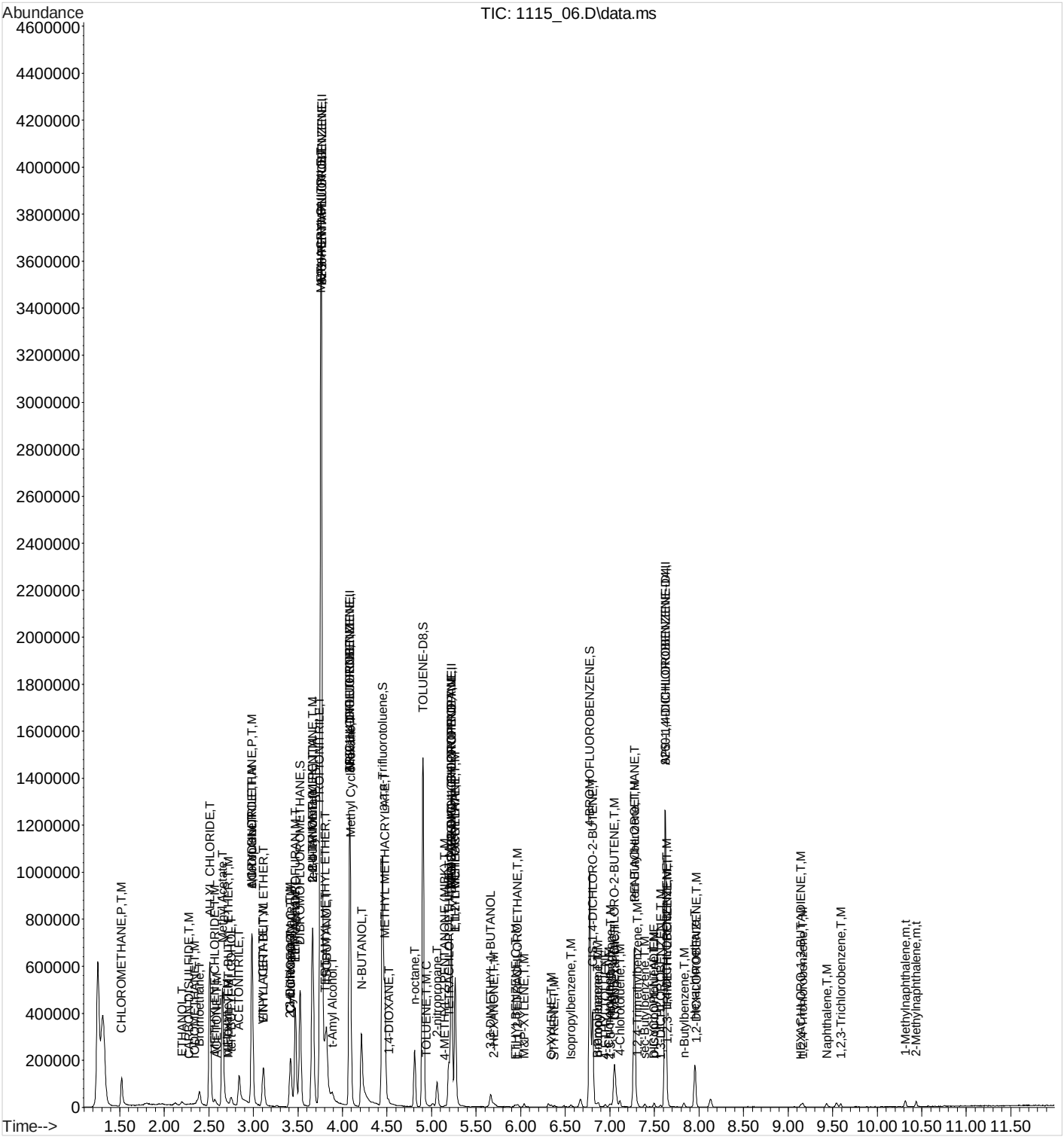
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
76)	4-Chlorotoluene	7.116	91	3912	0.2583384	ppb	#	91
77)	1,3,5-Trimethylbenzene	7.009	105	5088	0.3018440	ppb		92
78)	tert-Butylbenzene	7.276	119	117972	8.6896282	ppb	#	31
79)	1,2,4-Trimethylbenzene	7.309	105	5616	0.3296552	ppb		99
80)	sec-Butylbenzene	7.392	105	7115	0.3214351	ppb		98
81)	1,3-DICHLOROBENZENE	7.569	146	2623	0.2738546	ppb		92
82)	p-Isopropyltoluene	7.495	119	5841	0.3286701	ppb		95
83)	DICYCLOPENTADIENE	7.492	66	3181	0.1354034	ppb	#	73
85)	1,4-DICHLOROBENZENE	7.640	146	3152	0.3318723	ppb	#	1
86)	1,2,3-TRIMETHYLBENZENE	7.646	105	6361	0.3854079	ppb		99
87)	1,2-DICHLOROBENZENE	7.968	146	3007	0.3505160	ppb		90
88)	n-Butylbenzene	7.833	91	7884	0.4802864	ppb		98
90)	1,2,4-Trichlorobenzene	9.167	180	3248	0.6067933	ppb	#	87
91)	HEXACHLORO-1,3-BUTADIENE	9.141	225	1487	0.5149310	ppb	#	73
92)	Naphthalene	9.434	128	9798	0.7206584	ppb		95
93)	1,2,3-Trichlorobenzene	9.591	180	3473	0.6950451	ppb		94
94)	1-Methylnaphthalene	10.315	142	9655	1.4346761	ppb		93
95)	2-Methylnaphthalene	10.437	142	7849	1.4074812	ppb	#	93
97)	ETHANOL	2.199	45	16269	379.3838504	ppb	#	23
98)	Bromoethane	2.396	108	37843	9.6120277	ppb		99
100)	Methyl Acetate	2.653	43	587463	150.3224623	ppb	#	99
101)	ACETONITRILE	2.839	41	183419	288.8451317	ppb		93
102)	ALLYL CHLORIDE	2.511	76	106390	46.6307545	ppb		95
103)	tert-BUTYL ALCOHOL	2.752	59	38079	42.3640800	ppb	#	93
104)	chloroprene	2.984	53	361425	50.7861266	ppb		90
105)	ETHYL TERT-BUTYL ETHER	3.113	59	122289	8.4285555	ppb		99
106)	PROPIONITRILE	3.743	54	246892	344.2268837	ppb	#	79
107)	Ethyl Acetate	3.469	43	415767	79.0669774	ppb		98
108)	METHACRYLONITRILE	3.759	67	746841	368.0680879	ppb		90
109)	Cyclohexane	3.418	56	90163	7.6537740	ppb		93
110)	tert-butyl formate	3.666	59	357244	111.3941959	ppb		95
111)	ISOBUTANOL	3.820	43	188524	576.2887246	ppb	#	80
112)	t-Amyl Alcohol	3.887	59	13915	32.8189492	ppb		85
113)	TERT-AMYL METHYL ETHER	3.804	73	124871	7.9303474	ppb	#	66
115)	N-BUTANOL	4.215	56	185249	1277.4344058	ppb		94
116)	Methyl Cyclohexane	4.090	83	92443	8.5698790	ppb		94
117)	2-nitropropane	5.061	43	61097	43.5399640	ppb	#	92
118)	METHYL METHACRYLATE	4.476	41	201481	41.3977104	ppb		92
119)	1,4-DIOXANE	4.518	88	16193	347.3221335	ppb	#	85
120)	n-octane	4.810	85	31775	8.5083762	ppb		95
121)	3,3-DIMETHYL-1-BUTANOL	5.662	57	25752	40.0105919	ppb	#	77
123)	ETHYL METHACRYLATE	5.264	69	222349	39.7405587	ppb		93
124)	CIS-1,4-DICHLORO-2-BUTENE	6.807	53	73413	44.5997944	ppb	#	80
125)	Cyclohexanone	7.055	55	80401	59.4808571	ppb		93
126)	PENTACHLOROETHANE	7.276	117	118050	36.5784315	ppb		97
127)	Hexachloroethane	7.955	117	34765	8.9571093	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 06.D
Acq On : 15 Nov 2015 1:24 am
Operator : 522
Sample : LCS 1x WG829141
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:31 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 09.D
Acq On : 15 Nov 2015 2:19 am
Operator : 522
Sample : BLANK 1x WG829141
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Feb 02 13:12:47 2016
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

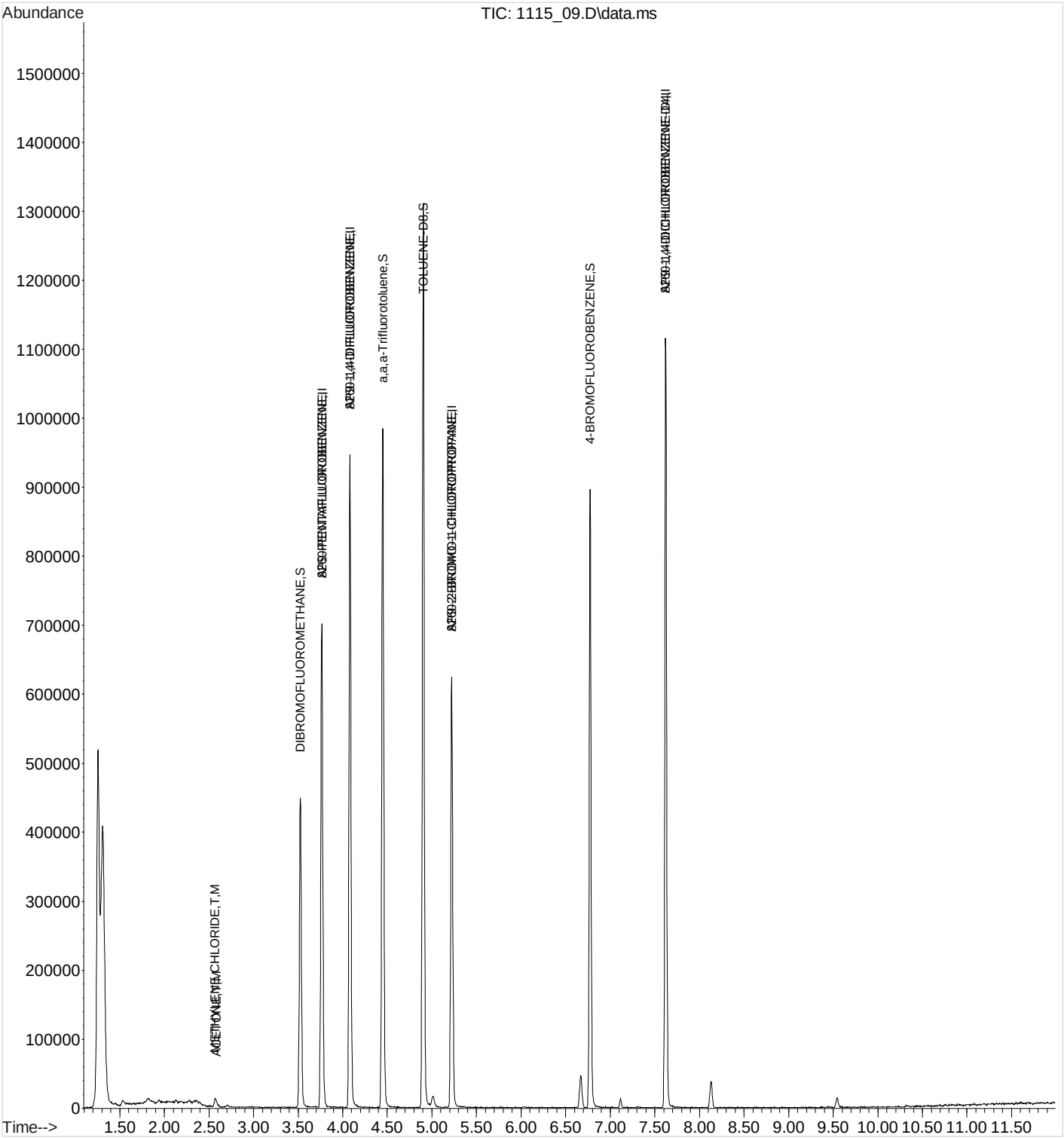
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.765	168	357644	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.080	114	565634	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.222	79	94166	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.620	152	238491	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.765	168	357644	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.080	114	565634	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.222	79	94166	40.0000000	ppb	# 0.00
128) AP9-1,4-DICHLOROBENZEN...	7.620	152	238491	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.524	111	214618	39.8346751	ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 99.59%			
46) a,a,a-Trifluorotoluene	4.450	146	311516	42.7062962	ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 106.77%			
50) TOLUENE-D8	4.903	98	684166	41.3777318	ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 103.44%			
68) 4-BROMOFLUOROBENZENE	6.775	95	243976	41.2564891	ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 103.14%			
Target Compounds						Qvalue
16) ACETONE	2.585	43	1957	0.8946781	ppb	92
19) METHYLENE CHLORIDE	2.569	84	4824	0.9562556	ppb	97

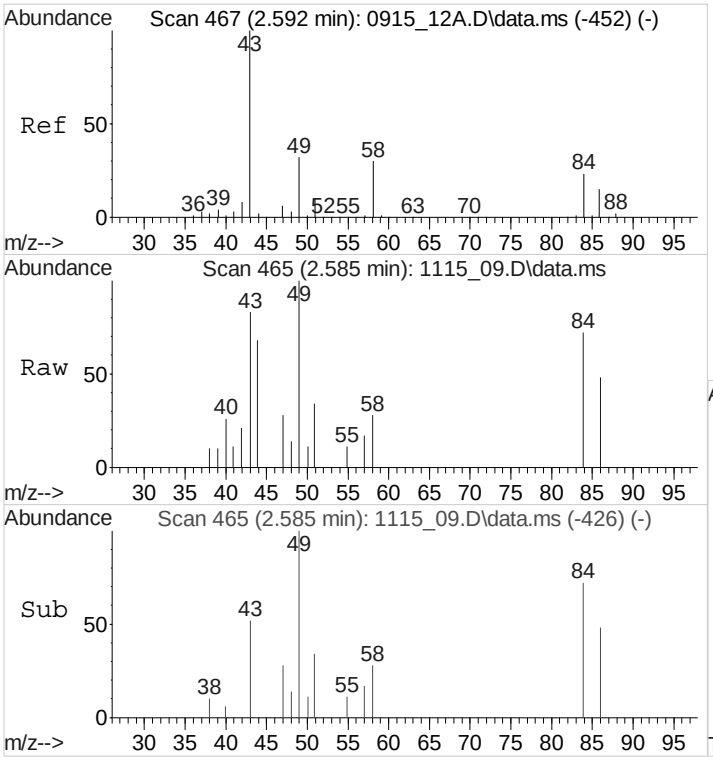
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 09.D
Acq On : 15 Nov 2015 2:19 am
Operator : 522
Sample : BLANK 1x WG829141
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Feb 02 13:12:47 2016
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

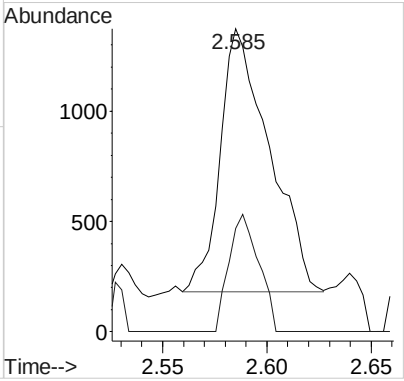


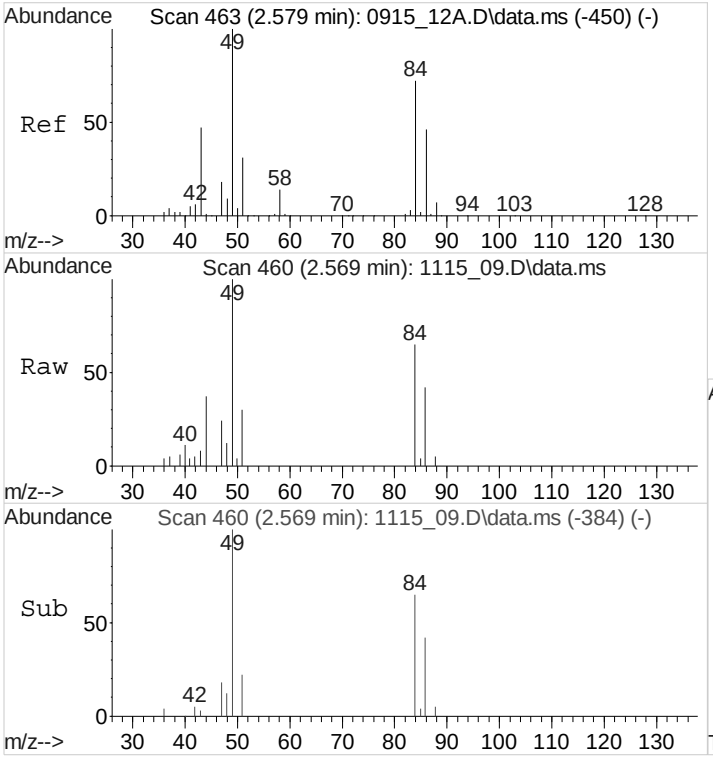


#16
ACETONE
Concen: 0.8946781 ppb
RT: 2.585 min Scan# 465
Delta R.T. -0.006 min
Lab File: 1115 09.D
Acq: 15 Nov 2015 2:19 am

Tgt Ion: 43 Resp: 1957

Ion	Ratio	Lower	Upper
43	100		
58	27.0	25.0	37.4

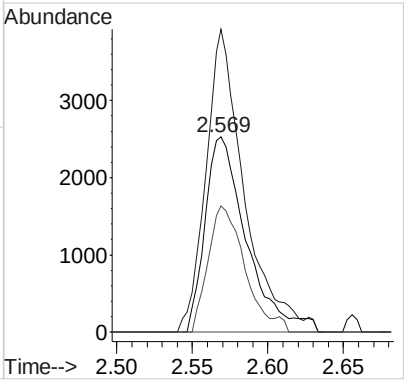




#19
METHYLENE CHLORIDE
Concen: 0.9562556 ppb
RT: 2.569 min Scan# 460
Delta R.T. -0.006 min
Lab File: 1115_09.D
Acq: 15 Nov 2015 2:19 am

Tgt Ion: 84 Resp: 4824

Ion	Ratio	Lower	Upper
84	100		
49	143.8	115.0	172.4
86	57.7	51.4	77.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 10.D
Acq On : 15 Nov 2015 2:56 am
Operator : 522
Sample : MS 1x WG829141 L800480-05
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:51 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.765	168	371438	40.0000000 ppb		0.00
41) 8260-1,4-DIFLUOROBENZENE	4.080	114	586505	40.0000000 ppb		0.00
53) 8260-2-BROMO-1-CHLOROP...	5.222	79	99483	40.0000000 ppb		0.00
84) 8260-1,4-DICHLOROBENZE...	7.620	152	266895	40.0000000 ppb		0.00
96) AP9-PENTAFLUOROBENZENE	3.765	168	371438	40.0000000 ppb		0.00
114) AP9-1,4-DIFLUOROBENZENE	4.080	114	586505	40.0000000 ppb		0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.222	79	99483	40.0000000 ppb	#	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.620	152	266895	40.0000000 ppb		0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.524	111	221284	39.5466555 ppb		0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 98.87%			
46) a,a,a-Trifluorotoluene	4.447	146	325017	42.9715892 ppb		0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 107.43%			
50) TOLUENE-D8	4.903	98	730998	42.6368557 ppb		0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 106.59%			
68) 4-BROMOFLUOROBENZENE	6.775	95	263000	42.0965164 ppb		0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 105.24%			
Target Compounds						Qvalue
3) PROPENE	1.350	41	7583	8.9720742 ppb		92
4) DICHLORODIFLUOROMETHANE	1.389	85	121434	25.1205892 ppb		99
5) CHLOROMETHANE	1.521	50	134492	19.1508340 ppb		98
6) VINYL CHLORIDE	1.582	62	131965	23.8536708 ppb		100
7) 1,3-BUTADIENE	1.588	39	81368	22.3574758 ppb		95
8) BROMOMETHANE	1.794	94	92931	22.7841210 ppb		99
9) CHLOROETHANE	1.878	64	65648	23.2846146 ppb		95
10) TRICHLOROFLUOROMETHANE	1.958	101	189740	27.7987110 ppb		97
11) DICHLOROFLUOROMETHANE	1.990	67	222442	25.8676132 ppb		99
12) ETHYL ETHER	2.125	59	73641	22.9091298 ppb		97
13) ACROLEIN	2.428	56	64014	116.0517359 ppb		99
14) 1,1-DICHLOROETHENE	2.247	61	173149	26.7952310 ppb		90
15) 1,1,2-TRICHLOROTRIFLUO...	2.286	101	93357	23.8656028 ppb		95
16) ACETONE	2.588	43	309945	136.4348236 ppb	#	88
17) IODOMETHANE	2.334	142	933701	108.3275873 ppb	#	90
18) CARBON DISULFIDE	2.280	76	349767	22.9319341 ppb	#	93
19) METHYLENE CHLORIDE	2.569	84	115701	22.0835250 ppb		95
20) ACRYLONITRILE	3.010	53	153118	87.5607991 ppb		96
21) n-Hexane	2.707	56	95081	21.3913139 ppb		97
22) TRANS-1,2-DICHLOROETHENE	2.662	96	100129	21.0467904 ppb		93
23) METHYL TERT-BUTYL ETHER	2.717	73	248952	20.4700456 ppb		99
24) 1,1-DICHLOROETHANE	2.993	63	207148	22.2706429 ppb		100
25) VINYL ACETATE	3.109	43	1193256	114.4280136 ppb		98
26) DI-ISOPROPYL ETHER	2.913	45	370724	21.0962838 ppb		89
27) 2,2-Dichloropropane	3.347	77	145689	25.6467638 ppb		95
28) CIS-1,2-DICHLOROETHENE	3.286	96	113011	21.5171235 ppb		96
29) 2-BUTANONE (MEK)	3.579	43	325304	99.3260780 ppb		94
30) BROMOCHLOROMETHANE	3.392	130	66563	21.1254344 ppb		88
31) TETRAHYDROFURAN	3.521	42	28108	16.8153124 ppb	#	83
32) CHLOROFORM	3.424	83	218726	24.7812325 ppb		100
34) 1,1,1-TRICHLOROETHANE	3.553	97	175438	26.0557987 ppb		98
35) CARBON TETRACHLORIDE	3.524	117	191073	26.5925884 ppb		99
36) 1,1-Dichloropropene	3.620	75	148825	22.9504540 ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 10.D
Acq On : 15 Nov 2015 2:56 am
Operator : 522
Sample : MS 1x WG829141 L800480-05
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:51 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.675	57	392031	19.7572883 ppb		90
38)	HEPTANE	3.720	43	192621	20.7889109 ppb		97
39)	BENZENE	3.755	78	423357	21.0967104 ppb		94
40)	1,2-DICHLOROETHANE	3.858	62	170144	26.8268727 ppb	#	93
42)	TRICHLOROETHENE	4.080	130	107565	23.9568682 ppb		94
43)	1,2-DICHLOROPROPANE	4.376	62	84094	22.6102432 ppb		98
44)	DIBROMOMETHANE	4.321	93	76735	25.0701993 ppb		99
45)	BROMODICHLOROMETHANE	4.405	83	171699	27.3383633 ppb		98
47)	2-CHLOROETHYL VINYL ETHER	4.723	63	288028	113.9355295 ppb		99
48)	CIS-1,3-DICHLOROPROPENE	4.781	75	196181	25.4957600 ppb		100
49)	4-METHYL-2-PENTANONE (...	5.144	43	503929	98.1474761 ppb		98
51)	TOLUENE	4.935	91	450677	23.4765019 ppb		100
52)	TRANS-1,3-DICHLOROPROPENE	5.180	75	170957	25.1042752 ppb	#	96
54)	1,1,2-TRICHLOROETHANE	5.286	97	89759	22.9387893 ppb		99
55)	TETRACHLOROETHENE	5.189	164	83068	24.8679596 ppb		97
56)	1,3-Dichloropropane	5.469	76	161270	23.2547438 ppb		100
57)	2-HEXANONE	5.688	58	227843	110.8282251 ppb		89
58)	CHLORODIBROMOMETHANE	5.411	129	117061	25.8816332 ppb		99
59)	1,2-DIBROMOETHANE	5.579	107	100292	23.4398280 ppb		98
60)	CHLOROBENZENE	5.929	112	289969	24.7365722 ppb		97
61)	1,1,1,2-TETRACHLOROETHANE	5.964	133	105705	26.4509262 ppb	#	100
62)	ETHYLBENZENE	5.939	106	150588	25.0479588 ppb		94
63)	M&P-XYLENE	6.035	106	366493	47.8286547 ppb		98
64)	O-XYLENE	6.341	106	177675	24.2512924 ppb		96
65)	STYRENE	6.376	104	288860	23.8295261 ppb		95
66)	Bromoform	6.402	173	70845	24.5569602 ppb		98
67)	Isopropylbenzene	6.562	105	477685	25.3563827 ppb		98
69)	Bromobenzene	6.858	77	234378	26.0563594 ppb		99
70)	1,1,2,2-TETRACHLOROETHANE	6.906	83	130663	22.2560467 ppb		99
71)	1,2,3-TRICHLOROPROPANE	7.013	110	30476	23.6549604 ppb		97
72)	TRANS-1,4-DICHLORO-2-B...	7.038	53	37992	25.7375150 ppb	#	81
73)	n-Propylbenzene	6.868	91	623141	26.4640311 ppb		98
74)	4-ETHYLTOLUENE	6.945	105	471262	24.4526458 ppb		100
75)	2-Chlorotoluene	6.993	126	108352	23.6393503 ppb	#	97
76)	4-Chlorotoluene	7.112	91	357376	25.7807895 ppb		100
77)	1,3,5-Trimethylbenzene	7.009	105	407531	26.4105111 ppb		96
78)	tert-Butylbenzene	7.254	119	322912	25.9828757 ppb		95
79)	1,2,4-Trimethylbenzene	7.305	105	403055	25.8450815 ppb		98
80)	sec-Butylbenzene	7.392	105	519371	25.6316717 ppb		100
81)	1,3-DICHLOROBENZENE	7.566	146	220895	25.1934946 ppb		99
82)	p-Isopropyltoluene	7.498	119	422873	25.9934375 ppb		98
83)	DICYCLOPENTADIENE	7.492	66	512062	23.8105421 ppb		100
85)	1,4-DICHLOROBENZENE	7.633	146	231567	24.2903009 ppb		99
86)	1,2,3-TRIMETHYLBENZENE	7.646	105	404842	24.4372402 ppb		99
87)	1,2-DICHLOROBENZENE	7.964	146	212512	24.6790966 ppb		98
88)	n-Butylbenzene	7.829	91	455282	27.6315688 ppb		99
89)	1,2-Dibromo-3-chloropr...	8.598	157	21750	22.3435165 ppb		90
90)	1,2,4-Trichlorobenzene	9.164	180	153047	28.4853084 ppb		99
91)	HEXACHLORO-1,3-BUTADIENE	9.144	225	84210	29.0518049 ppb		96
92)	Naphthalene	9.430	128	338635	24.8139123 ppb		99
93)	1,2,3-Trichlorobenzene	9.588	180	142021	28.3160161 ppb		97
94)	1-Methylnaphthalene	10.311	142	186616	27.6262423 ppb		97
95)	2-Methylnaphthalene	10.437	142	156665	27.9879848 ppb		98
97)	ETHANOL	2.241	45	537	13.2000114 ppb	#	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 10.D
Acq On : 15 Nov 2015 2:56 am
Operator : 522
Sample : MS 1x WG829141 L800480-05
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:51 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

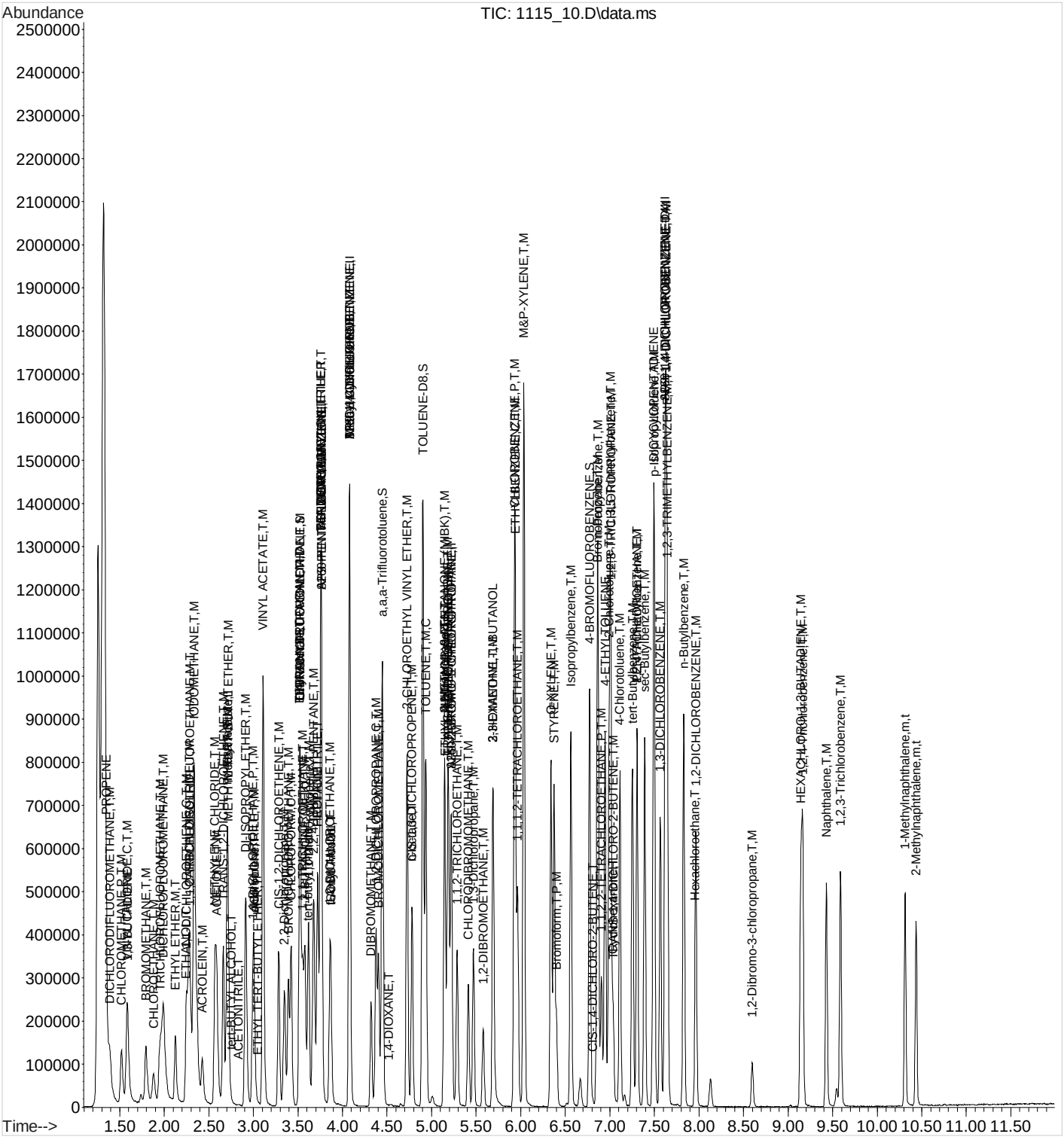
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) Methyl Acetate	2.710	43	180366	48.6496898	ppb	#	72
101) ACETONITRILE	2.829	41	603	1.0009677	ppb	#	56
103) tert-BUTYL ALCOHOL	2.752	59	1537	1.8024704	ppb	#	65
104) chloroprene	3.010	53	153118	22.6795894	ppb	#	23
105) ETHYL TERT-BUTYL ETHER	3.048	59	1950	0.1416715	ppb	#	41
106) PROPIONITRILE	3.720	54	2534	3.7241436	ppb	#	1
107) Ethyl Acetate	3.521	43	7359	1.4751832	ppb	#	48
108) METHACRYLONITRILE	3.759	67	1113	0.5781988	ppb	#	1
110) tert-butyl formate	3.611	59	584	0.1919519	ppb	#	10
111) ISOBUTANOL	3.868	43	6728	21.6791125	ppb	#	1
112) t-Amyl Alcohol	3.868	59	5558	13.8178999	ppb	#	38
113) TERT-AMYL METHYL ETHER	3.755	73	8306	0.5560382	ppb	#	1
116) Methyl Cyclohexane	4.080	83	10991	0.4958310	ppb	#	44
117) 2-nitropropane	5.144	43	503929	381.2817979	ppb	#	43
119) 1,4-DIOXANE	4.517	88	1492	33.9768028	ppb	#	81
120) n-octane	4.781	85	3027	0.8605618	ppb	#	21
121) 3,3-DIMETHYL-1-BUTANOL	5.688	57	78518	129.5214753	ppb	#	37
123) ETHYL METHACRYLATE	5.151	69	3579	0.6987813	ppb	#	1
124) CIS-1,4-DICHLORO-2-BUTENE	6.807	53	1592	1.0565346	ppb	#	16
125) Cyclohexanone	7.035	55	581	0.4695401	ppb	#	22
126) PENTACHLOROETHANE	7.305	117	13541	4.5834300	ppb	#	13
127) Hexachloroethane	7.955	117	992	0.2792017	ppb	#	14

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 10.D
Acq On : 15 Nov 2015 2:56 am
Operator : 522
Sample : MS 1x WG829141 L800480-05
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:51 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 11.D
Acq On : 15 Nov 2015 3:15 am
Operator : 522
Sample : MSD 1x WG829141 L800480-05
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:56 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.768	168	398243	40.0000000 ppb		0.00
41) 8260-1,4-DIFLUOROBENZENE	4.083	114	669230	40.0000000 ppb		0.00
53) 8260-2-BROMO-1-CHLOROP...	5.222	79	111936	40.0000000 ppb		0.00
84) 8260-1,4-DICHLOROBENZE...	7.623	152	294514	40.0000000 ppb		0.00
96) AP9-PENTAFLUOROBENZENE	3.768	168	398243	40.0000000 ppb		0.00
114) AP9-1,4-DIFLUOROBENZENE	4.083	114	669230	40.0000000 ppb		0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.222	79	111936	40.0000000 ppb	#	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.623	152	294514	40.0000000 ppb		0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.527	111	248453	41.4135227 ppb		0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 103.53%			
46) a,a,a-Trifluorotoluene	4.450	146	350046	40.5598906 ppb		0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 101.40%			
50) TOLUENE-D8	4.903	98	786732	40.2153742 ppb		0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 100.54%			
68) 4-BROMOFLUOROBENZENE	6.775	95	284450	40.4646173 ppb		0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 101.16%			
Target Compounds						Qvalue
3) PROPENE	1.357	41	9038	10.3013796 ppb		89
4) DICHLORODIFLUOROMETHANE	1.399	85	150346	29.0081198 ppb		95
5) CHLOROMETHANE	1.530	50	164931	21.9044177 ppb		99
6) VINYL CHLORIDE	1.592	62	162151	27.3372152 ppb		98
7) 1,3-BUTADIENE	1.598	39	100276	25.6982951 ppb		95
8) BROMOMETHANE	1.804	94	104938	23.9962088 ppb		96
9) CHLOROETHANE	1.891	64	78919	26.1076216 ppb		94
10) TRICHLOROFLUOROMETHANE	1.965	101	217006	29.6534812 ppb		99
11) DICHLOROFLUOROMETHANE	2.000	67	259598	28.1565274 ppb		100
12) ETHYL ETHER	2.132	59	85024	24.6699704 ppb		98
13) ACROLEIN	2.434	56	75215	127.1801453 ppb		95
14) 1,1-DICHLOROETHENE	2.257	61	204219	29.4762238 ppb		90
15) 1,1,2-TRICHLOROTRIFLUO...	2.296	101	108268	25.8145058 ppb		95
16) ACETONE	2.595	43	358615	147.2337018 ppb		89
17) IODOMETHANE	2.341	142	1070144	115.8008237 ppb		91
18) CARBON DISULFIDE	2.286	76	413373	25.2779669 ppb	#	92
19) METHYLENE CHLORIDE	2.575	84	131682	23.4420658 ppb		95
20) ACRYLONITRILE	3.013	53	186520	99.4825839 ppb		98
21) n-Hexane	2.714	56	117125	24.5771491 ppb		92
22) TRANS-1,2-DICHLOROETHENE	2.669	96	115987	22.7391117 ppb		95
23) METHYL TERT-BUTYL ETHER	2.723	73	292261	22.4136320 ppb		97
24) 1,1-DICHLOROETHANE	3.000	63	244734	24.5405617 ppb		99
25) VINYL ACETATE	3.112	43	1364948	122.0823892 ppb		99
26) DI-ISOPROPYL ETHER	2.919	45	422590	22.4291417 ppb		93
27) 2,2-Dichloropropane	3.354	77	169092	27.7630422 ppb		95
28) CIS-1,2-DICHLOROETHENE	3.289	96	127708	22.6787848 ppb		95
29) 2-BUTANONE (MEK)	3.582	43	396799	113.0010904 ppb		100
30) BROMOCHLOROMETHANE	3.399	130	79636	23.5732999 ppb		94
31) TETRAHYDROFURAN	3.527	42	34099	19.0263210 ppb	#	87
32) CHLOROFORM	3.427	83	246448	26.0426978 ppb		99
34) 1,1,1-TRICHLOROETHANE	3.559	97	202203	28.0095737 ppb		97
35) CARBON TETRACHLORIDE	3.527	117	214526	27.8470635 ppb		99
36) 1,1-Dichloropropene	3.624	75	180407	25.9481833 ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 11.D
Acq On : 15 Nov 2015 3:15 am
Operator : 522
Sample : MSD 1x WG829141 L800480-05
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:56 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.681	57	473932	22.2772276	ppb		91
38)	HEPTANE	3.723	43	233609	23.5155888	ppb		97
39)	BENZENE	3.759	78	468455	21.7727887	ppb		94
40)	1,2-DICHLOROETHANE	3.862	62	189799	27.9116500	ppb	#	94
42)	TRICHLOROETHENE	4.083	130	127756	24.9365683	ppb		97
43)	1,2-DICHLOROPROPANE	4.379	62	99449	23.4334893	ppb		98
44)	DIBROMOMETHANE	4.325	93	85452	24.4671193	ppb		98
45)	BROMODICHLOROMETHANE	4.408	83	192337	26.8388498	ppb		99
47)	2-CHLOROETHYL VINYL ETHER	4.726	63	327901	113.6746237	ppb		99
48)	CIS-1,3-DICHLOROPROPENE	4.784	75	219758	25.0294917	ppb		99
49)	4-METHYL-2-PENTANONE (...	5.148	43	590918	100.8633344	ppb		96
51)	TOLUENE	4.939	91	493703	22.5387629	ppb		99
52)	TRANS-1,3-DICHLOROPROPENE	5.183	75	198431	25.5368095	ppb		98
54)	1,1,2-TRICHLOROETHANE	5.289	97	104809	23.8051079	ppb		100
55)	TETRACHLOROETHENE	5.193	164	95843	25.5003351	ppb		96
56)	1,3-Dichloropropane	5.472	76	174559	22.3706863	ppb		99
57)	2-HEXANONE	5.691	58	274993	118.8818121	ppb		93
58)	CHLORODIBROMOMETHANE	5.415	129	136596	26.8408658	ppb		99
59)	1,2-DIBROMOETHANE	5.582	107	113418	23.5585851	ppb		98
60)	CHLOROBENZENE	5.929	112	331485	25.1322238	ppb		98
61)	1,1,1,2-TETRACHLOROETHANE	5.968	133	117401	26.1093608	ppb		100
62)	ETHYLBENZENE	5.939	106	168949	24.9756437	ppb		93
63)	M&P-XYLENE	6.035	106	413006	47.9024727	ppb		94
64)	O-XYLENE	6.341	106	195042	23.6600575	ppb		94
65)	STYRENE	6.376	104	322195	23.6225015	ppb		94
66)	Bromoform	6.402	173	80855	24.9087178	ppb		99
67)	Isopropylbenzene	6.566	105	522585	24.6536782	ppb		98
69)	Bromobenzene	6.858	77	253237	25.0209123	ppb		99
70)	1,1,2,2-TETRACHLOROETHANE	6.906	83	152700	23.1160447	ppb	#	99
71)	1,2,3-TRICHLOROPROPANE	7.016	110	36586	25.2381943	ppb		95
72)	TRANS-1,4-DICHLORO-2-B...	7.038	53	46033	27.7155069	ppb		92
73)	n-Propylbenzene	6.868	91	696558	26.2909358	ppb		98
74)	4-ETHYLTOLUENE	6.948	105	534717	24.6584922	ppb		99
75)	2-Chlorotoluene	6.993	126	124607	24.1612909	ppb		97
76)	4-Chlorotoluene	7.115	91	396666	25.4316709	ppb		99
77)	1,3,5-Trimethylbenzene	7.009	105	466741	26.8825955	ppb		96
78)	tert-Butylbenzene	7.254	119	367560	26.2851442	ppb		96
79)	1,2,4-Trimethylbenzene	7.305	105	439437	25.0431701	ppb		99
80)	sec-Butylbenzene	7.392	105	602693	26.4347053	ppb		99
81)	1,3-DICHLOROBENZENE	7.569	146	253797	25.7257533	ppb		96
82)	p-Isopropyltoluene	7.498	119	499938	27.3117166	ppb		99
83)	DICYCLOPENTADIENE	7.492	66	597151	24.6780017	ppb		100
85)	1,4-DICHLOROBENZENE	7.633	146	257155	24.4447552	ppb		98
86)	1,2,3-TRIMETHYLBENZENE	7.646	105	463925	25.3775017	ppb		98
87)	1,2-DICHLOROBENZENE	7.964	146	239940	25.2512539	ppb		99
88)	n-Butylbenzene	7.829	91	522983	28.7638574	ppb		98
89)	1,2-Dibromo-3-chloropr...	8.598	157	26724	24.8787308	ppb		94
90)	1,2,4-Trichlorobenzene	9.164	180	179135	30.2141963	ppb		98
91)	HEXACHLORO-1,3-BUTADIENE	9.144	225	97930	30.6167931	ppb		99
92)	Naphthalene	9.430	128	394912	26.2239570	ppb		99
93)	1,2,3-Trichlorobenzene	9.588	180	167103	30.1924479	ppb		99
94)	1-Methylnaphthalene	10.311	142	224616	30.1333991	ppb		98
95)	2-Methylnaphthalene	10.437	142	189889	30.7421294	ppb		95
100)	Methyl Acetate	2.659	43	8513	2.1416388	ppb	#	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 11.D
Acq On : 15 Nov 2015 3:15 am
Operator : 522
Sample : MSD 1x WG829141 L800480-05
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:56 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

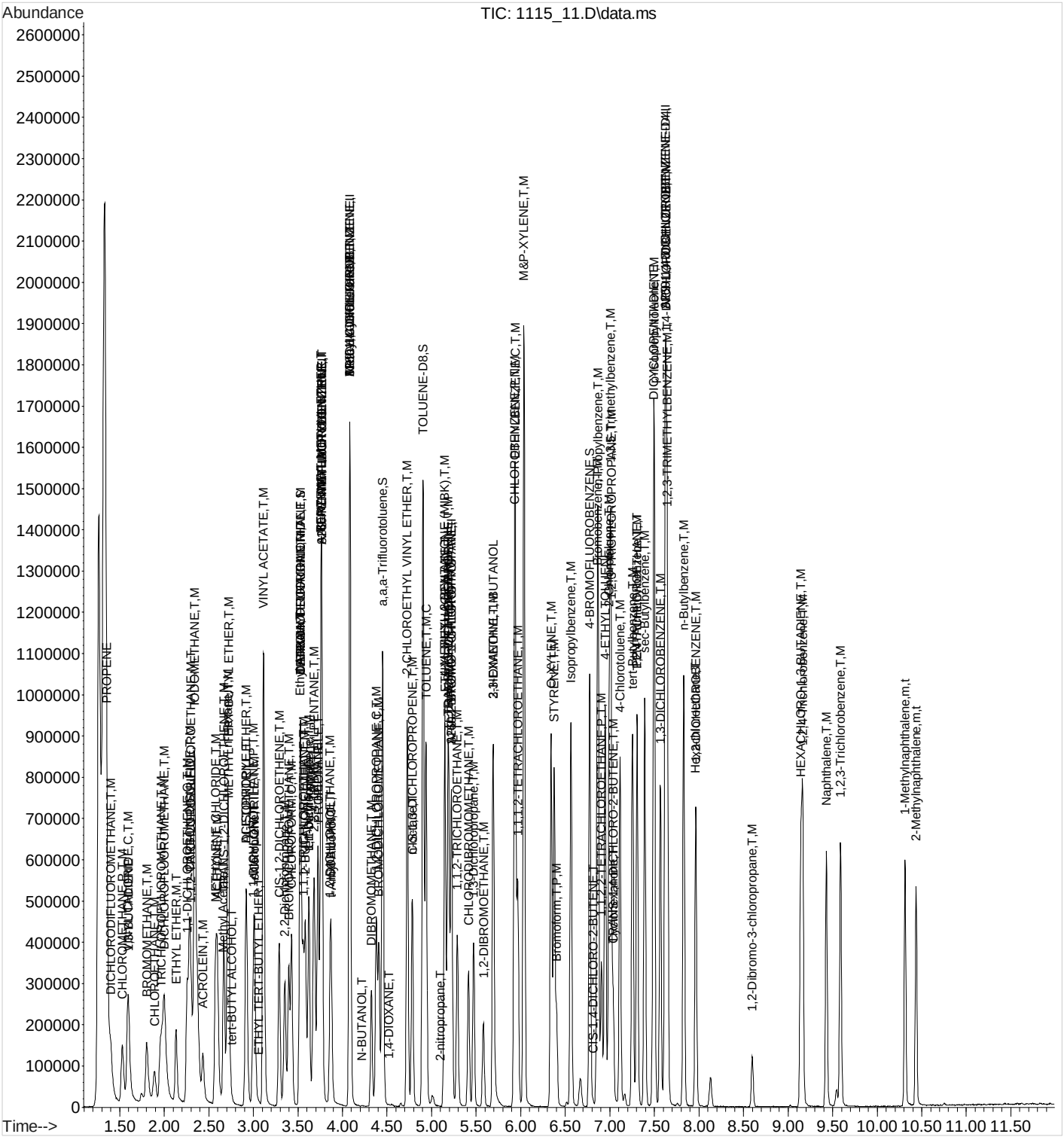
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
101) ACETONITRILE	2.919	41	75573	117.0058605 ppb #	34
103) tert-BUTYL ALCOHOL	2.755	59	2380	2.6032113 ppb #	65
104) chloroprene	3.013	53	186520	25.7675145 ppb #	23
105) ETHYL TERT-BUTYL ETHER	3.061	59	2602	0.1763166 ppb #	41
106) PROPIONITRILE	3.730	54	2517	3.4501756 ppb #	1
107) Ethyl Acetate	3.524	43	7235	1.3527074 ppb #	60
108) METHACRYLONITRILE	3.765	67	1667	0.8077107 ppb #	1
110) tert-butyl formate	3.624	59	897	0.2749858 ppb #	10
111) ISOBUTANOL	3.871	43	7941	23.8654097 ppb #	1
112) t-Amyl Alcohol	3.874	59	6812	15.7956071 ppb #	24
113) TERT-AMYL METHYL ETHER	3.759	73	9302	0.5808008 ppb #	1
115) N-BUTANOL	4.218	56	809	5.1908218 ppb #	26
116) Methyl Cyclohexane	4.083	83	11700	0.4175868 ppb #	49
117) 2-nitropropane	5.096	43	610	0.4044854 ppb #	17
119) 1,4-DIOXANE	4.517	88	1256	25.0668431 ppb #	86
120) n-octane	4.784	85	2874	0.7160655 ppb #	25
121) 3,3-DIMETHYL-1-BUTANOL	5.691	57	92204	133.2964655 ppb #	37
123) ETHYL METHACRYLATE	5.151	69	3840	0.6663308 ppb #	1
124) CIS-1,4-DICHLORO-2-BUTENE	6.810	53	1625	0.9584581 ppb #	19
125) Cyclohexanone	7.038	55	957	0.6873652 ppb #	22
126) PENTACHLOROETHANE	7.305	117	15305	4.6041799 ppb #	13
127) Hexachloroethane	7.961	117	1180	0.2951668 ppb #	59

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 11.D
Acq On : 15 Nov 2015 3:15 am
Operator : 522
Sample : MSD 1x WG829141 L800480-05
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Nov 17 09:10:56 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 13.D
Acq On : 15 Nov 2015 3:51 am
Operator : 522
Sample : L800830-01 1x WG829141 V8260 tb
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Feb 02 13:00:21 2016
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

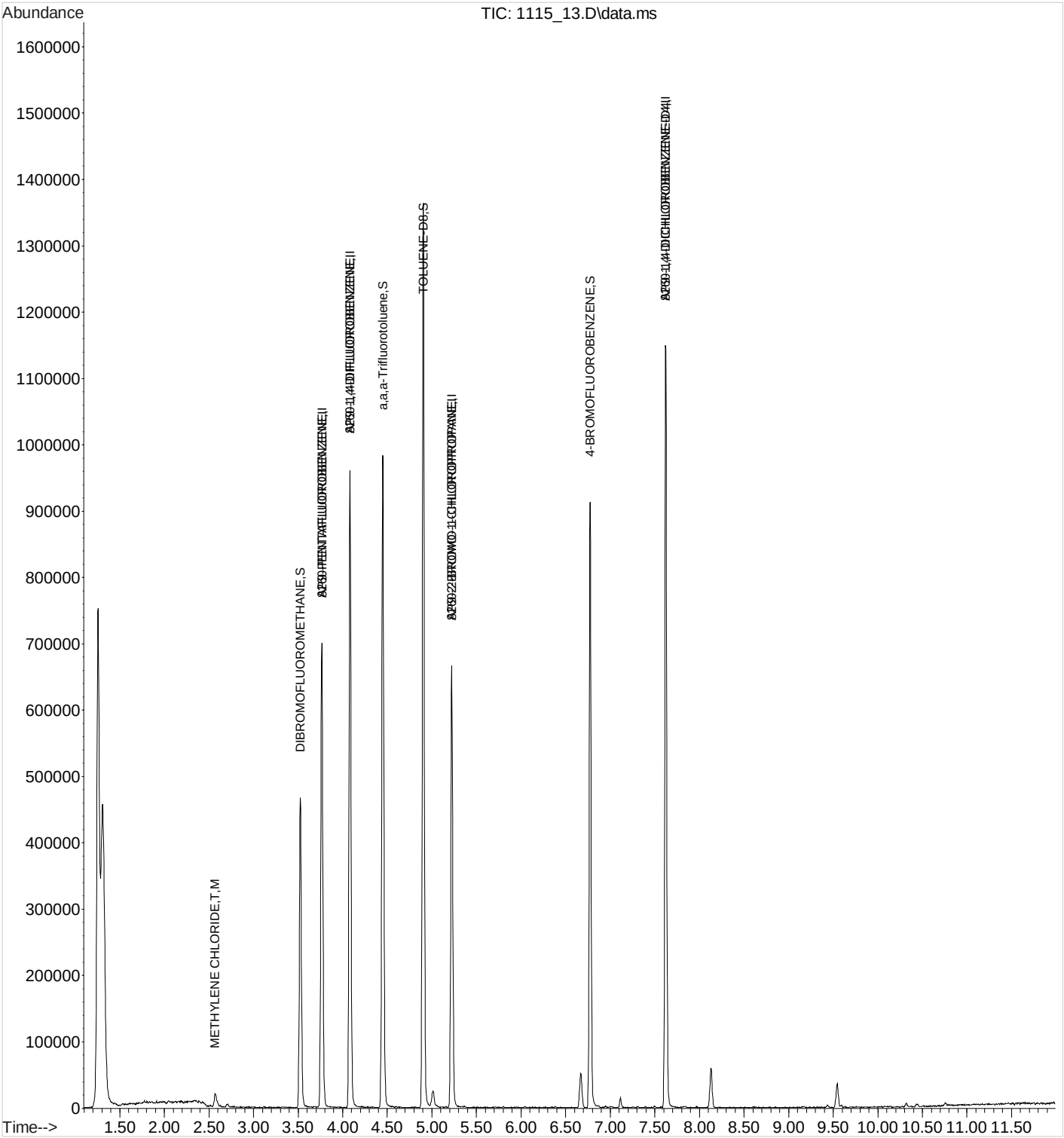
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.765	168	362057	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.083	114	573926	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.222	79	99065	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.620	152	248365	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.765	168	362057	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.083	114	573926	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.222	79	99065	40.0000000	ppb	# 0.00
128) AP9-1,4-DICHLOROBENZEN...	7.620	152	248365	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.524	111	219452	40.2354325	ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 100.59%			
46) a,a,a-Trifluorotoluene	4.450	146	309952	41.8779680	ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 104.69%			
50) TOLUENE-D8	4.903	98	709540	42.2923370	ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 105.73%			
68) 4-BROMOFLUOROBENZENE	6.775	95	246961	39.6960610	ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 99.24%			
Target Compounds						Qvalue
19) METHYLENE CHLORIDE	2.569	84	7231	1.4159210	ppb	91

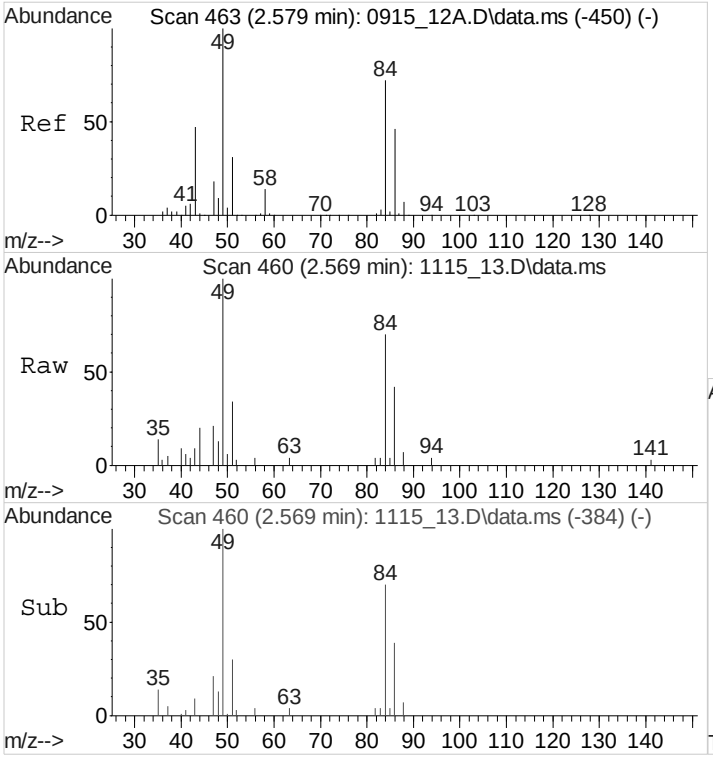
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 13.D
Acq On : 15 Nov 2015 3:51 am
Operator : 522
Sample : L800830-01 1x WG829141 V8260 tb
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Feb 02 13:00:21 2016
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

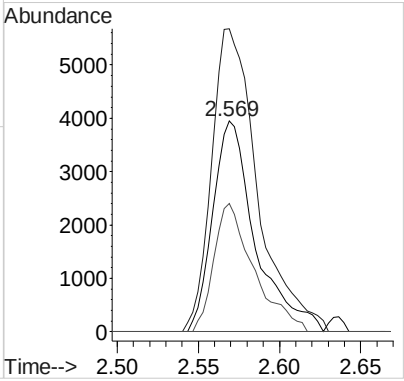




#19
METHYLENE CHLORIDE
Concen: 1.4159210 ppb
RT: 2.569 min Scan# 460
Delta R.T. -0.006 min
Lab File: 1115 13.D
Acq: 15 Nov 2015 3:51 am

Tgt Ion: 84 Resp: 7231

Ion	Ratio	Lower	Upper
84	100		
49	155.2	115.0	172.4
86	57.2	51.4	77.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 14.D
Acq On : 15 Nov 2015 4:09 am
Operator : 522
Sample : L800830-02 1x WG829141 V8260 tb
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Feb 02 13:11:49 2016
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

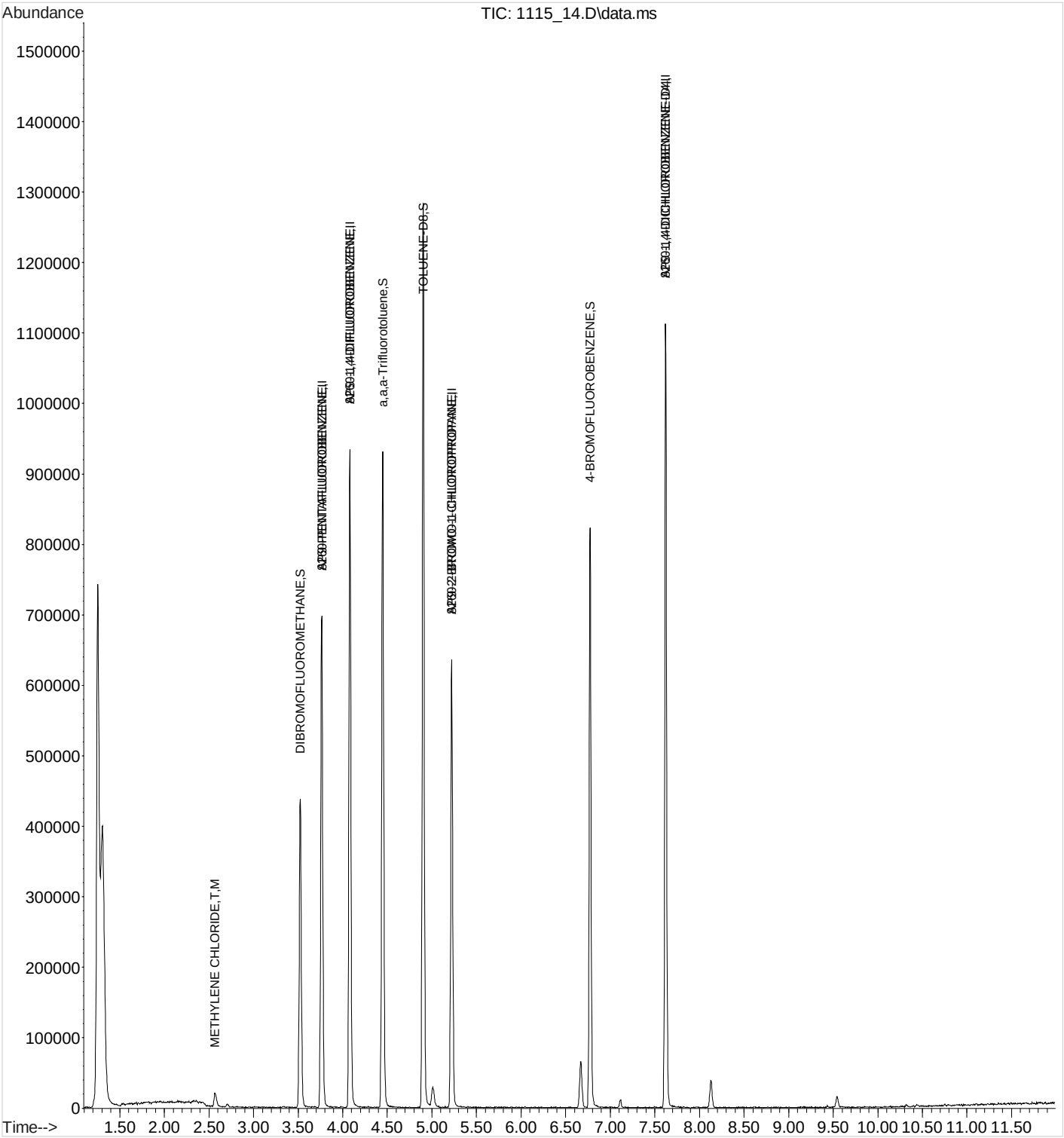
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.765	168	353778	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.080	114	565913	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.222	79	95826	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.620	152	233907	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.765	168	353778	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.080	114	565913	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.222	79	95826	40.0000000	ppb	# 0.00
128) AP9-1,4-DICHLOROBENZEN...	7.620	152	233907	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.524	111	214009	40.1557087	ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 100.39%			
46) a,a,a-Trifluorotoluene	4.450	146	296376	40.6106947	ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 101.53%			
50) TOLUENE-D8	4.903	98	663134	40.0859633	ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 100.21%			
68) 4-BROMOFLUOROBENZENE	6.775	95	226202	37.5882722	ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 93.97%			
Target Compounds						Qvalue
19) METHYLENE CHLORIDE	2.569	84	7178	1.4384350	ppb	91

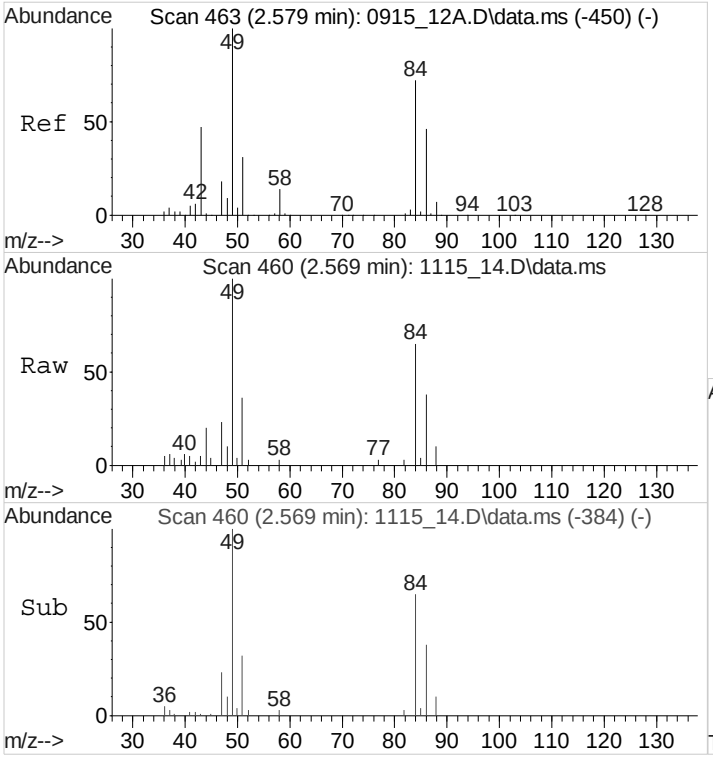
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 14.D
Acq On : 15 Nov 2015 4:09 am
Operator : 522
Sample : L800830-02 1x WG829141 V8260 tb
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Feb 02 13:11:49 2016
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

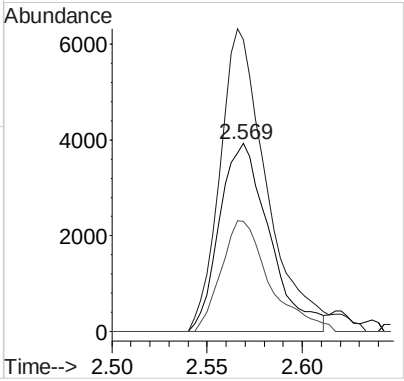




#19
METHYLENE CHLORIDE
Concen: 1.4384350 ppb
RT: 2.569 min Scan# 460
Delta R.T. -0.006 min
Lab File: 1115 14.D
Acq: 15 Nov 2015 4:09 am

Tgt Ion: 84 Resp: 7178

Ion	Ratio	Lower	Upper
84	100		
49	154.0	115.0	172.4
86	57.2	51.4	77.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 15.D
Acq On : 15 Nov 2015 4:28 am
Operator : 522
Sample : L800830-03 1x WG829141 V8260 fb
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Feb 02 13:01:50 2016
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

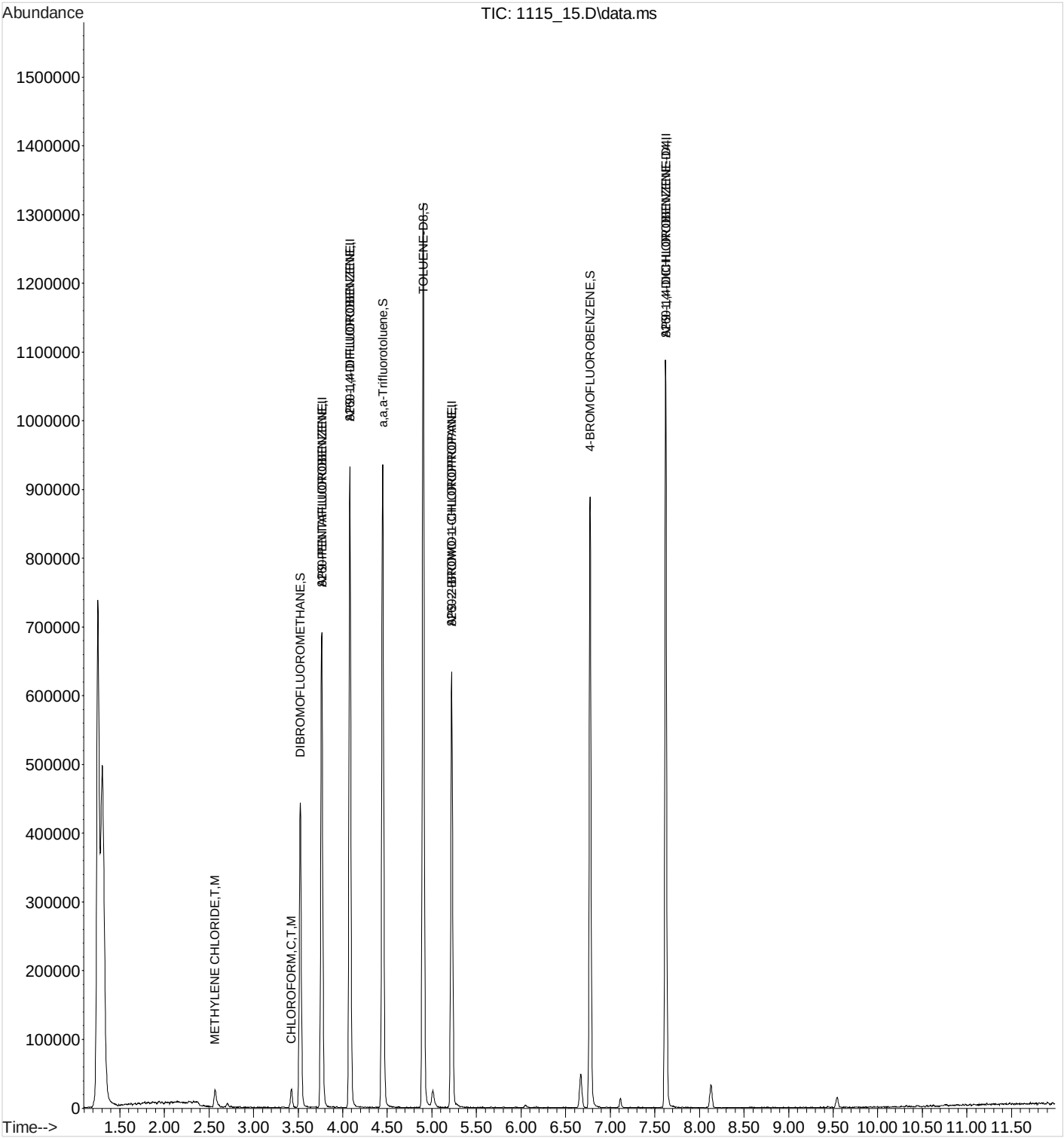
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.765	168	349706	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.080	114	547682	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.222	79	93767	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.624	152	229711	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.765	168	349706	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.080	114	547682	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.222	79	93767	40.0000000	ppb	# 0.00
128) AP9-1,4-DICHLOROBENZEN...	7.624	152	229711	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.524	111	210190	39.8983601	ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 99.75%			
46) a,a,a-Trifluorotoluene	4.450	146	297519	42.1243580	ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 105.31%			
50) TOLUENE-D8	4.904	98	682975	42.6596255	ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 106.65%			
68) 4-BROMOFLUOROBENZENE	6.775	95	241282	40.9745493	ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 102.44%			
Target Compounds						Qvalue
19) METHYLENE CHLORIDE	2.569	84	9747	1.9759934	ppb	93
32) CHLOROFORM	3.424	83	15637	1.8817381	ppb	96

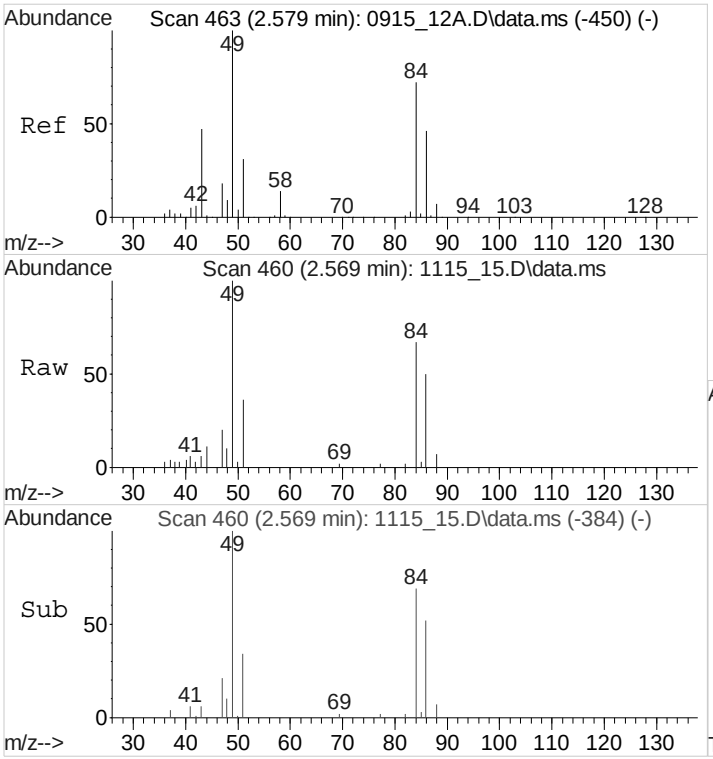
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 15.D
Acq On : 15 Nov 2015 4:28 am
Operator : 522
Sample : L800830-03 1x WG829141 V8260 fb
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Feb 02 13:01:50 2016
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

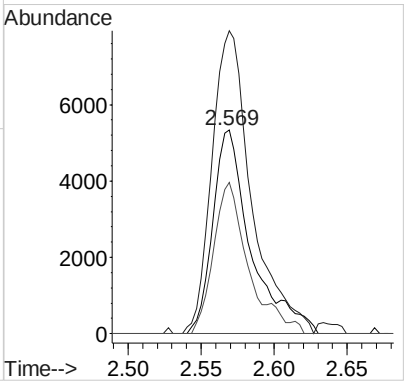


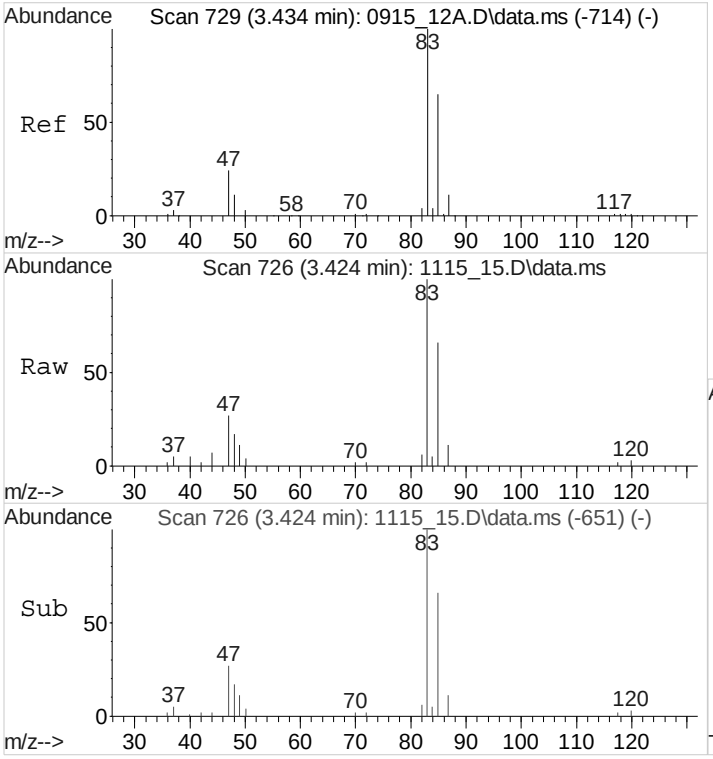


#19
METHYLENE CHLORIDE
Concen: 1.9759934 ppb
RT: 2.569 min Scan# 460
Delta R.T. -0.006 min
Lab File: 1115 15.D
Acq: 15 Nov 2015 4:28 am

Tgt Ion: 84 Resp: 9747

Ion	Ratio	Lower	Upper
84	100		
49	154.4	115.0	172.4
86	68.1	51.4	77.2

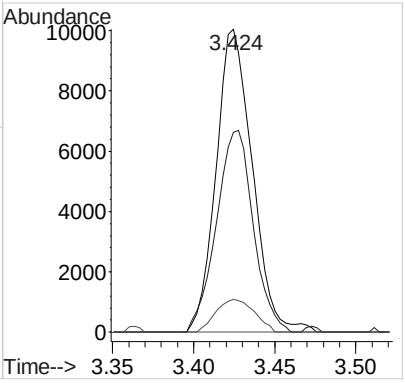




#32
CHLOROFORM
Concen: 1.8817381 ppb
RT: 3.424 min Scan# 726
Delta R.T. -0.010 min
Lab File: 1115_15.D
Acq: 15 Nov 2015 4:28 am

Tgt Ion: 83 Resp: 15637

Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.4	77.2
87	11.4	8.6	13.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 16.D
Acq On : 15 Nov 2015 4:46 am
Operator : 522
Sample : L800830-04 1x WG829141 V8260 fb
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Feb 02 13:12:18 2016
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

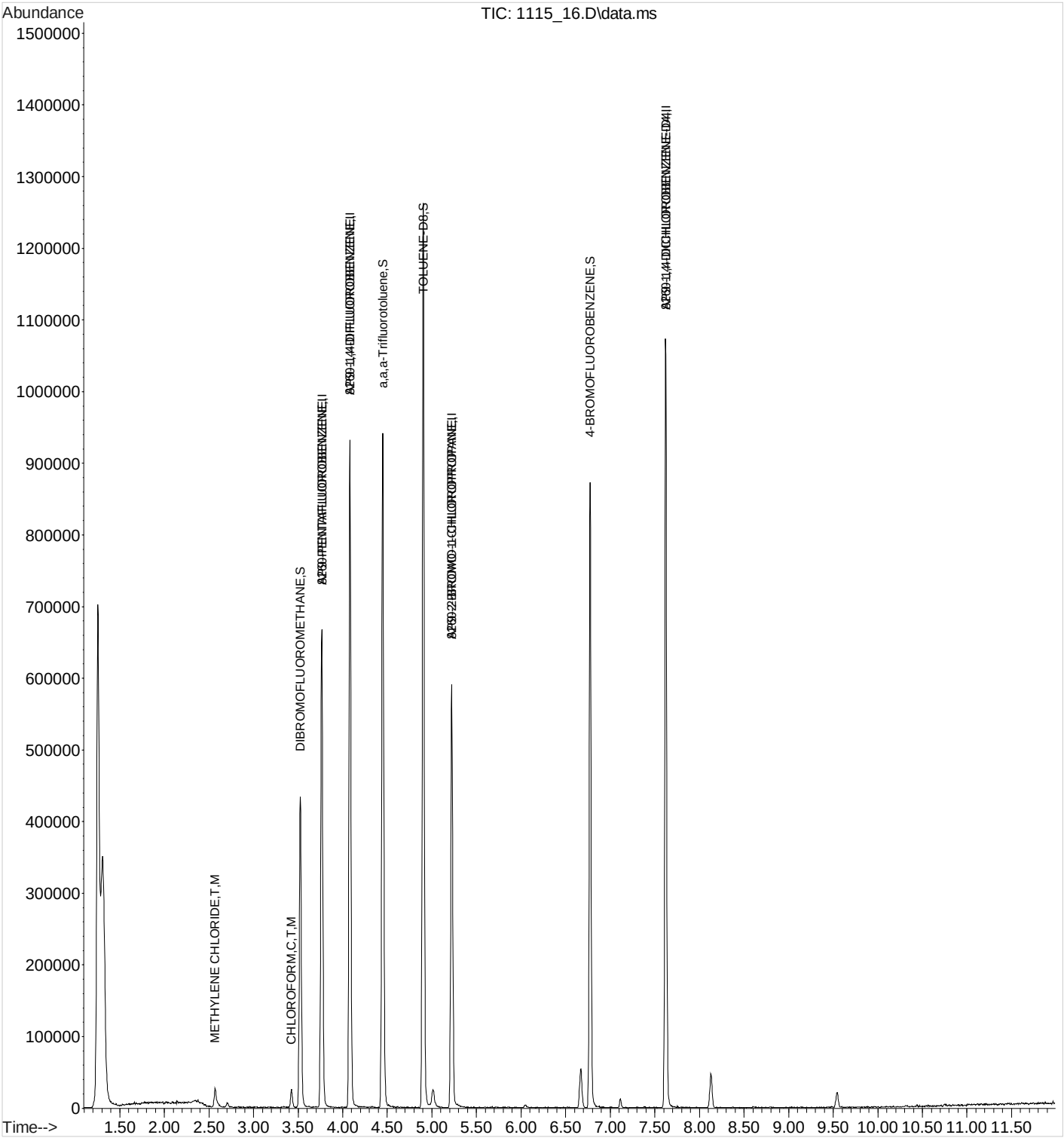
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.765	168	333990	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.080	114	544769	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.222	79	87897	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.623	152	227642	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.765	168	333990	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.080	114	544769	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.222	79	87897	40.0000000	ppb	# 0.00
128) AP9-1,4-DICHLOROBENZEN...	7.623	152	227642	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.524	111	205516	40.8468203	ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 102.12%			
46) a,a,a-Trifluorotoluene	4.450	146	300894	42.8300122	ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 107.08%			
50) TOLUENE-D8	4.903	98	652108	40.9494282	ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 102.37%			
68) 4-BROMOFLUOROBENZENE	6.775	95	233016	42.2134622	ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 105.53%			
Target Compounds						Qvalue
19) METHYLENE CHLORIDE	2.569	84	10012	2.1252254	ppb	96
32) CHLOROFORM	3.424	83	14015	1.7659096	ppb	97

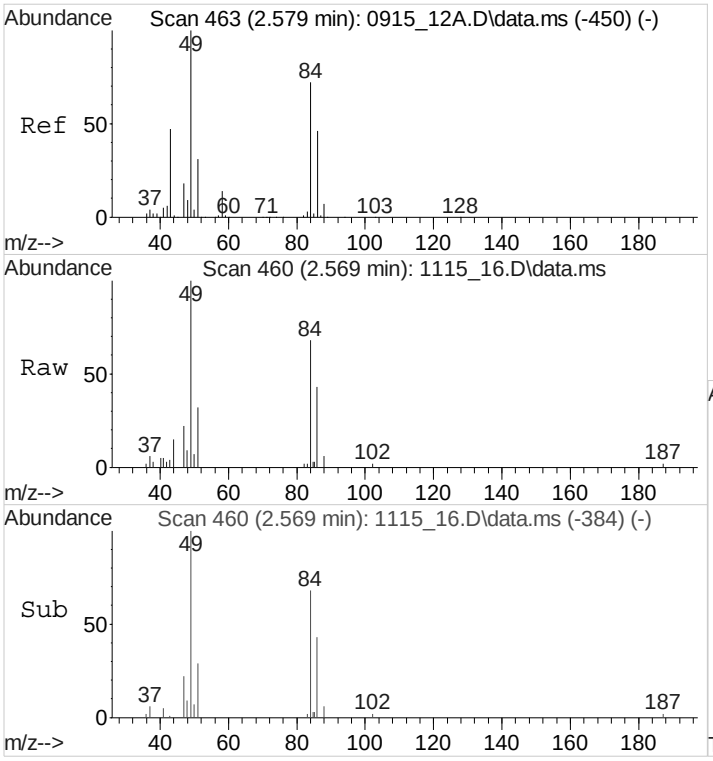
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\111515\
Data File : 1115 16.D
Acq On : 15 Nov 2015 4:46 am
Operator : 522
Sample : L800830-04 1x WG829141 V8260 fb
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Feb 02 13:12:18 2016
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

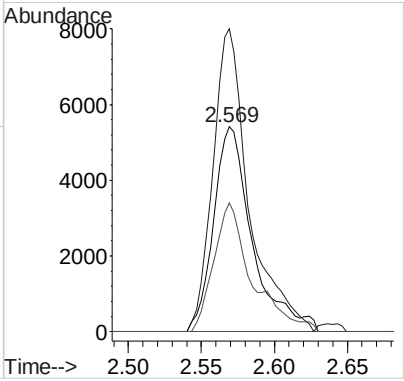


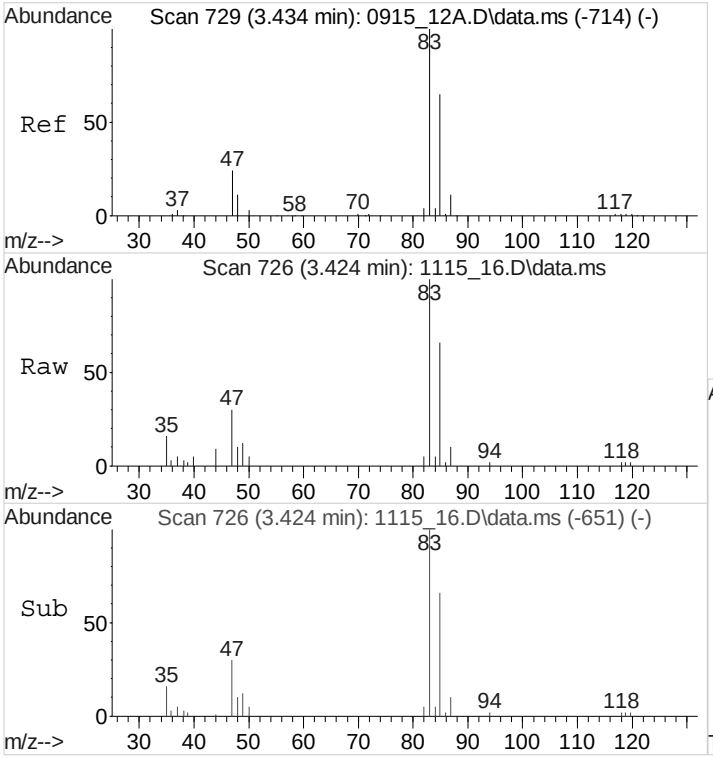


#19
METHYLENE CHLORIDE
Concen: 2.1252254 ppb
RT: 2.569 min Scan# 460
Delta R.T. -0.006 min
Lab File: 1115 16.D
Acq: 15 Nov 2015 4:46 am

Tgt Ion: 84 Resp: 10012

Ion	Ratio	Lower	Upper
84	100		
49	137.9	115.0	172.4
86	61.9	51.4	77.2

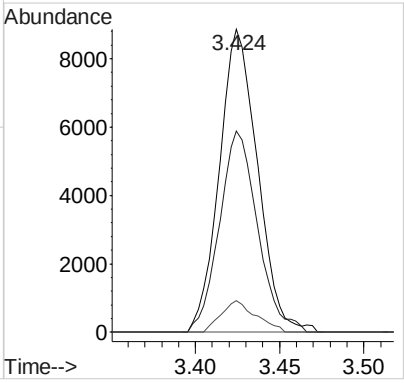




#32
CHLOROFORM
Concen: 1.7659096 ppb
RT: 3.424 min Scan# 726
Delta R.T. -0.010 min
Lab File: 1115_16.D
Acq: 15 Nov 2015 4:46 am

Tgt Ion: 83 Resp: 14015

Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.2
87	9.4	8.6	13.0



Calibration

Instrument: VOCMS25
Method: V825I15O

Initial Calibration Run Log

File ID	Level ID	Date Analyzed
0915_04A.D	.25	9/15/2015 11:55:00 AM
0915_05A.D	.5	9/15/2015 12:13:00 PM
0915_06A.D	1	9/15/2015 12:32:00 PM
0915_07A.D	2	9/15/2015 12:50:00 PM
0915_08A.D	5.0	9/15/2015 1:08:00 PM
0915_09A.D	10	9/15/2015 1:26:00 PM
0915_10A.D	25	9/15/2015 1:45:00 PM
0915_11A.D	40	9/15/2015 2:03:00 PM
0915_12A.D	75	9/15/2015 2:21:00 PM
0915_13A.D	100	9/15/2015 2:39:00 PM
0915_14A.D	200	9/15/2015 2:58:00 PM
0915_18A.D	1A	9/15/2015 4:11:00 PM
0915_19A.D	2.5A	9/15/2015 4:29:00 PM
0915_20A.D	5A	9/15/2015 4:47:00 PM
0915_21A.D	7.5A	9/15/2015 5:05:00 PM
0915_22A.D	10A	9/15/2015 5:24:00 PM
0915_23A.D	12A	9/15/2015 5:42:00 PM
0915_24A.D	15A	9/15/2015 6:00:00 PM
0915_25A.D	17A	9/15/2015 6:18:00 PM
0915_26A.D	20A	9/15/2015 6:37:00 PM

Mint Miner 2.6.4 Directory Scan: y:\091515A

16 Sep 2015 15:51

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\091515A\0915_01A.D					
Original Path: 0915_01A.D					
0	Scanned		621	VOCMS25	INSTBLK (water IS/SURR15A20860)
Scan File Path: y:\091515A\0915_02A.D					
Original Path: y:\091515A\0915_02A.D					
0	No Audit				
Scan File Path: y:\091515A\0915_03A.D					
Original Path: y:\091515A\0915_03A.D					
0	No Audit				
Scan File Path: y:\091515A\0915_04A.D					
Original Path: C:\msdchem\1\data\091515A\0915_04A.D					
17	Scanned	D(13), MZ(4)	621	VOCMS25	STD VMS 0.25 ppb 15I04618 (water IS/SURR15
Scan File Path: y:\091515A\0915_05A.D					
Original Path: C:\msdchem\1\data\091515A\0915_05A.D					
17	Scanned	D(13), MZ(4)	621	VOCMS25	STD VMS 0.5 ppb 15I04618 (water IS/SURR15A
Scan File Path: y:\091515A\0915_06A.D					
Original Path: C:\msdchem\1\data\091515A\0915_06A.D					
17	Scanned	D(16), ENR(1)	621	VOCMS25	STD VMS 1 ppb 15I04618 (water IS/SURR15A2
Scan File Path: y:\091515A\0915_07A.D					
Original Path: C:\msdchem\1\data\091515A\0915_07A.D					
20	Scanned	D(19), ENR(1)	621	VOCMS25	STD VMS 2 ppb 15I04618 (water IS/SURR15A2
Scan File Path: y:\091515A\0915_08A.D					
Original Path: C:\msdchem\1\data\091515A\0915_08A.D					
24	Scanned	D(23), ENR(1)	621	VOCMS25	STD VMS 5.0 ppb 15I04618 (water IS/SURR15A
Scan File Path: y:\091515A\0915_09A.D					
Original Path: C:\msdchem\1\data\091515A\0915_09A.D					
26	Scanned	D(25), ENR(1)	621	VOCMS25	STD VMS 10 ppb 15I04618 (water IS/SURR15A
Scan File Path: y:\091515A\0915_10A.D					
Original Path: C:\msdchem\1\data\091515A\0915_10A.D					
56	Scanned	D(55), ENR(1)	621	VOCMS25	MSTD VMS 25 ppb 15I04618 (water IS/SURR15
Scan File Path: y:\091515A\0915_11A.D					
Original Path: C:\msdchem\1\data\091515A\0915_11A.D					
29	Scanned	D(28), ENR(1)	621	VOCMS25	STD VMS 40 ppb 15I04618 (water IS/SURR15A

Mint Miner 2.6.4 Directory Scan: y:\091515A

16 Sep 2015 15:51

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\091515A\0915_12A.D					
Original Path: C:\msdchem\1\data\091515A\0915_12A.D					
31	Scanned	D(30), ENR(1)	621	VOCMS25	STD VMS 75 ppb 15I04618 (water IS/SURR15A
Scan File Path: y:\091515A\0915_13A.D					
Original Path: C:\msdchem\1\data\091515A\0915_13A.D					
31	Scanned	D(30), ENR(1)	621	VOCMS25	STD VMS 100 ppb 15I04618 (water IS/SURR15.
Scan File Path: y:\091515A\0915_14A.D					
Original Path: C:\msdchem\1\data\091515A\0915_14A.D					
32	Scanned	D(31), ENR(1)	621	VOCMS25	STD VMS 200 ppb 15I04618 (water IS/SURR15.
Scan File Path: y:\091515A\0915_15A.D					
Original Path: y:\091515A\0915_15A.D					
0	No Audit				
Scan File Path: y:\091515A\0915_16A.D					
Original Path: C:\msdchem\1\data\091515A\0915_16A.D\data.ms					
0	Scanned		621	VOCMS25	SSCV VMS 25 ppb 15I04620 (water IS/SURR15
Scan File Path: y:\091515A\0915_17A.D					
Original Path: C:\msdchem\1\data\091515A\0915_17A.D\data.ms					
0	Scanned		621	VOCMS25	INSTBLK (water IS/SURR15A20860)
Scan File Path: y:\091515A\0915_18A.D					
Original Path: C:\msdchem\1\data\091515A\0915_18A.D					
74	Scanned	D(53), DK(4), DC(2), DP(2), DS(2), DB(2), ENR(1)	621	VOCMS25	STD VMS 1a ppb 15H20824 (water IS/SURR15/
Scan File Path: y:\091515A\0915_18AB.D					
Original Path: C:\msdchem\1\data\091515A\0915_18A.D					
74	Scanned	D(53), DK(4), DC(2), DP(2), DS(2), DB(2), ENR(1)	621	VOCMS25	STD VMS 1a ppb 15H20824 (water IS/SURR15/
Scan File Path: y:\091515A\0915_19A.D					
Original Path: C:\msdchem\1\data\091515A\0915_19A.D					
85	Scanned	D(53), DK(5), DC(3), DP(3), DS(2), DB(2), M(3), MR(1), ENR(1)	621	VOCMS25	STD VMS 2.5 ppb 15H20824 (water IS/SURR15
Scan File Path: y:\091515A\0915_20A.D					
Original Path: C:\msdchem\1\data\091515A\0915_20A.D					
79	Scanned	D(53), DK(5), DC(3), DP(3), DS(2), DB(2), M(2), ENR(1)	621	VOCMS25	STD VMS 5 ppb 15H20824 (water IS/SURR15A

Mint Miner 2.6.4 Directory Scan: y:\091515A

16 Sep 2015 15:51

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\091515A\0915_21A.D					
Original Path: C:\msdchem\1\data\091515A\0915_21A.D					
78	Scanned	D(54), DC(3), DK(4), DP(3), DS(2), DB(2), M(1), ENR(1)	621	VOCMS25	STD VMS 7.5 ppb 15H20824 (water IS/SURR15
Scan File Path: y:\091515A\0915_22A.D					
Original Path: C:\msdchem\1\data\091515A\0915_22A.D					
83	Scanned	D(54), DC(3), DK(4), DP(3), DS(2), DB(2), MR(1), M(1), ENR(1)	621	VOCMS25	MSTD VMS 10a ppb 15H20824 (water IS/SURR
Scan File Path: y:\091515A\0915_23A.D					
Original Path: C:\msdchem\1\data\091515A\0915_23A.D					
78	Scanned	D(50), DP(3), DS(2), DC(2), DK(3), DB(2), M(2), MR(1), ENR(1)	621	VOCMS25	STD VMS 12.5 ppb 15H20824 (water IS/SURR1
Scan File Path: y:\091515A\0915_24A.D					
Original Path: C:\msdchem\1\data\091515A\0915_24A.D					
74	Scanned	D(52), DP(3), DS(2), DC(2), DK(3), DB(2), M(1), ENR(1)	621	VOCMS25	STD VMS 15 ppb 15H20824 (water IS/SURR15/
Scan File Path: y:\091515A\0915_25A.D					
Original Path: C:\msdchem\1\data\091515A\0915_25A.D					
77	Scanned	D(53), DC(3), DK(4), DP(3), DS(2), DB(2), M(1), ENR(1)	621	VOCMS25	STD VMS 17.5 ppb 15H20824 (water IS/SURR1
Scan File Path: y:\091515A\0915_26A.D					
Original Path: C:\msdchem\1\data\091515A\0915_26A.D\data.ms					
232	Scanned	D(156), DP(9), DS(6), DC(6), DK(9), DB(6), M(6), MM(1), MR(1)	621	VOCMS25	STD VMS 20 ppb 15H20824 (water IS/SURR15/
Scan File Path: y:\091515A\0915_27A.D					
Original Path: C:\msdchem\1\data\091515A\0915_27A.D\data.ms					
0	Scanned		621	VOCMS25	STD VMS 20 a 15H20824 (water IS/SURR15A2
Scan File Path: y:\091515A\0915_28A.D					
Original Path: C:\msdchem\1\data\091515A\0915_28A.D\data.ms					
0	Scanned		621	VOCMS25	SSCV VMS 10a ppb 15H19752 (water IS/SURR

D = Deletion of any analyte
DC = Deletion of a CCC
DP = Deletion of an SPCC
ENR = Quant report set to not reviewed (Disables MZ code)
MM = More than 3 manual integrations of the same analyte
MZ = Manual integrated but indicator missing from either the quant report or audit file
DB = Deletion of a common contaminant
DK = Deletion of a spike compound
DS = Deletion of a surrogate
M = Manual integration (non-specific)
MR = Manual integration with before/after ratio <10%

Level	Status	Code	Operator	Instrument	Sample ID

ScanSummary.rpt

Total Files Scanned	29	Beginning Analyzed Date	9/15/2015 11:00:00AM
Methods	0	Ending Analyzed Date	9/15/2015 7:13:00PM
Samples	28	Analyzed Range	8 hours, 13 minutes
Tunes	1	Greatest Time Between Tunes	N/A
CCCs	0	Greatest Time Between CCCs	N/A

Distinct Method Last Updated count 0

Operators 1 Intruments 1

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

Injection Log

Instrument ID : VOCMS25
Computer Name : VOCCOMPAN

Released By : John A. Heath Jr.
Date Released : 9/16/2015 3:21:59 PM

Run ID : 091515A
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
1	0915_01A	INSTBLK	V825I15O						1	1	09/15/15 1100	"water IS/SURR15A20860"
2	0915_01A	INSTBLK								1	09/15/15 1100	
3	0915_04A	STD VMS 0.25 PPB 15I04618	V825I15O						1	1	09/15/15 1155	"water IS/SURR15A20860"
4	0915_05A	STD VMS 0.5 PPB 15I04618	V825I15O						1	1	09/15/15 1213	"water IS/SURR15A20860"
5	0915_06A	STD VMS 1 PPB 15I04618	V825I15O						1	1	09/15/15 1232	"water IS/SURR15A20860"
6	0915_07A	STD VMS 2 PPB 15I04618	V825I15O						1	1	09/15/15 1250	"water IS/SURR15A20860"
7	0915_08A	STD VMS 5.0 PPB 15I04618	V825I15O						1	1	09/15/15 1308	"water IS/SURR15A20860"
8	0915_09A	STD VMS 10 PPB 15I04618	V825I15O						1	1	09/15/15 1326	"water IS/SURR15A20860"
9	0915_10A	MSTD VMS 25 PPB 15I04618	V825I15O						1	1	09/15/15 1345	"water IS/SURR15A20860"
10	0915_11A	STD VMS 40 PPB 15I04618	V825I15O						1	1	09/15/15 1403	"water IS/SURR15A20860"
11	0915_12A	STD VMS 75 PPB 15I04618	V825I15O						1	1	09/15/15 1421	"water IS/SURR15A20860"
12	0915_13A	STD VMS 100 PPB 15I04618	V825I15O						1	1	09/15/15 1439	"water IS/SURR15A20860"
13	0915_14A	STD VMS 200 PPB 15I04618	V825I15O						1	1	09/15/15 1458	"water IS/SURR15A20860"
14	0915_16A	SSCV VMS 25 PPB 15I04620	V825I15O						1	1	09/15/15 1534	"water IS/SURR15A20860"

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

Injection Log

Instrument ID : VOCMS25
Computer Name : VOCCOMPAN

Released By : John A. Heath Jr.
Date Released : 9/16/2015 3:21:59 PM

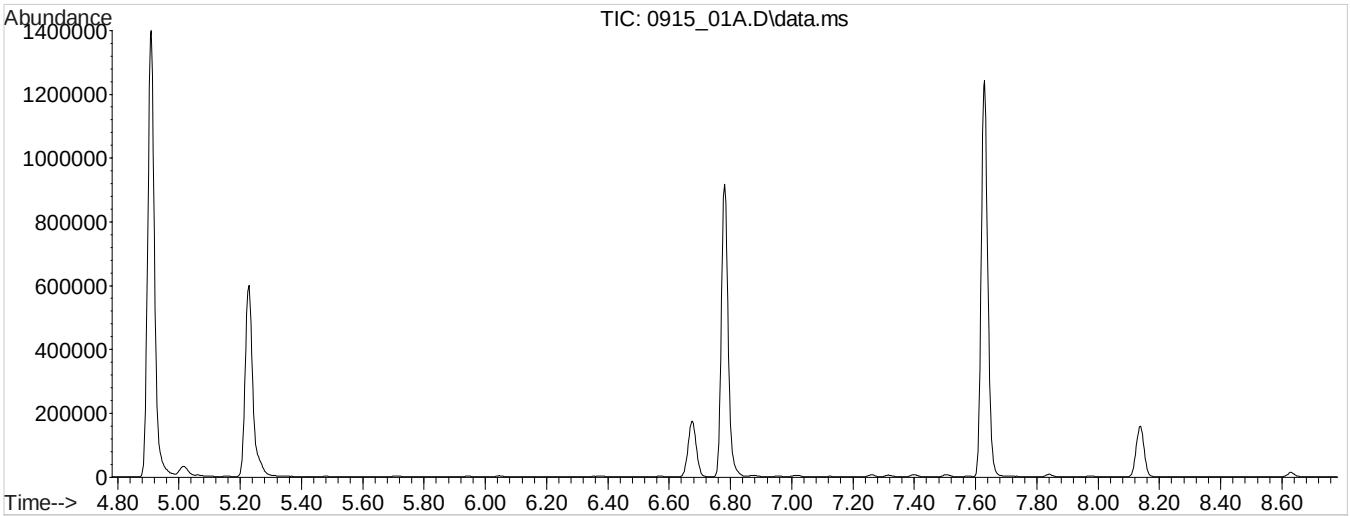
Run ID : 091515A
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	State	Dil.	Mult.	Injected	Misc.
15	0915_18A	STD VMS 1A PPB 15H20824	V825I15O						1	1	09/15/15 1611	"water IS/SURR15A20860"
16	0915_18 AB	RL VMS 1A PPB 15H20824	V825I15O						1	1	09/15/15 1611	"water IS/SURR15A20860"
17	0915_19A	STD VMS 2.5 PPB 15H20824	V825I15O						1	1	09/15/15 1629	"water IS/SURR15A20860"
18	0915_20A	STD VMS 5 PPB 15H20824	V825I15O						1	1	09/15/15 1647	"water IS/SURR15A20860"
19	0915_21A	STD VMS 7.5 PPB 15H20824	V825I15O						1	1	09/15/15 1705	"water IS/SURR15A20860"
20	0915_22A	MSTD VMS 10A PPB 15H20824	V825I15O						1	1	09/15/15 1724	"water IS/SURR15A20860"
21	0915_23A	STD VMS 12.5 PPB 15H20824	V825I15O						1	1	09/15/15 1742	"water IS/SURR15A20860"
22	0915_24A	STD VMS 15 PPB 15H20824	V825I15O						1	1	09/15/15 1800	"water IS/SURR15A20860"
23	0915_25A	STD VMS 17.5 PPB 15H20824	V825I15O						1	1	09/15/15 1818	"water IS/SURR15A20860"
24	0915_26A	STD VMS 20 PPB 15H20824	V825I15O						1	1	09/15/15 1837	"water IS/SURR15A20860"
25	0915_28A	SSCV VMS 10A PPB 15H19752	V825I15O						1	1	09/15/15 1913	"water IS/SURR15A20860"

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 01A.D
Acq On : 15 Sep 2015 11:00 am
Operator : 621
Sample : INSTBLK
Misc : water IS/SURR15A20860
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\V825I15O.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
Last Update : Wed Sep 16 15:00:05 2015



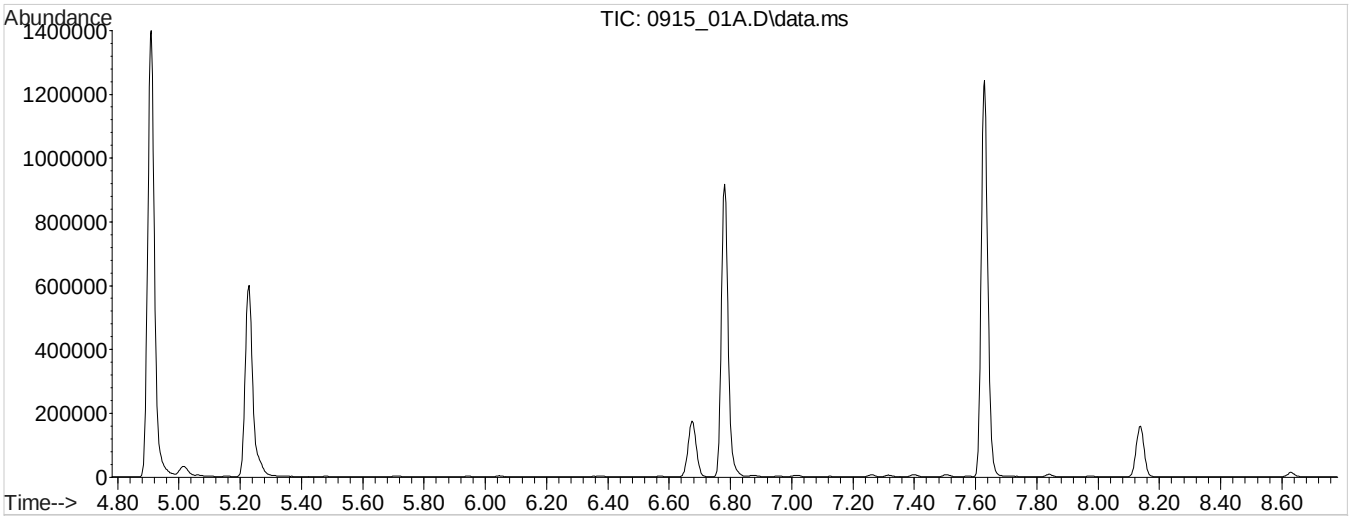
AutoFind: Scans 1769, 1770, 1771; Background Corrected with Scan 1757

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	36243	PASS
75	95	30	60	46.5	88837	PASS
95	95	100	100	100.0	190955	PASS
96	95	5	9	6.3	12000	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	76.3	145771	PASS
175	174	5	9	7.8	11357	PASS
176	174	95	101	98.1	143040	PASS
177	176	5	9	6.4	9089	PASS

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 01A.D
Acq On : 15 Sep 2015 11:00 am
Operator : 621
Sample : INSTBLK
Misc : water IS/SURR15A20860
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\V825I15O.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
Last Update : Wed Sep 16 15:00:05 2015



AutoFind: Scans 1769, 1770, 1771; Background Corrected with Scan 1757

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	36243	PASS
75	95	30	60	46.5	88837	PASS
95	95	100	100	100.0	190955	PASS
96	95	5	9	6.3	12000	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	76.3	145771	PASS
175	174	5	9	7.8	11357	PASS
176	174	95	101	98.1	143040	PASS
177	176	5	9	6.4	9089	PASS

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260B	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:59 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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				0.16	0.103	0.082	0.076	0.079	0.068	0.073	0.069										0.088783	34.79	0.999	0
DICHLORODIFLUOROMETHANE	0.569	0.514	0.527	0.533	0.526	0.516	0.513	0.504	0.509	0.514	0.501										0.520576	3.61	0.036	1
CHLOROMETHANE		0.987	0.868	0.809	0.74	0.709	0.713	0.697	0.664	0.692	0.683										0.75628	13.51	0.135	1
VINYL CHLORIDE	0.638	0.561	0.566	0.594	0.584	0.589	0.587	0.593	0.589	0.623	0.629										0.595768	4.12	0.041	1
1,3-BUTADIENE	0.429	0.313	0.306	0.416	0.376	0.398	0.419	0.409	0.4	0.419	0.426										0.391926	11.11	0.111	1
BROMOMETHANE	0.41	0.483	0.57	0.426	0.46	0.43	0.419	0.401	0.4	0.423	0.41										0.43924	11.39	0.114	1
CHLOROETHANE	0.328	0.35	0.322	0.352	0.306	0.305	0.3	0.296	0.298	0.254	0.229										0.303617	12.1	0.121	1
TRICHLOROFLUOROMETHANE	0.732	0.743	0.775	0.76	0.717	0.73	0.729	0.717	0.71	0.742	0.73										0.735035	2.6	0.026	1
DICHLOROFLUOROMETHANE	0.962	1.035	0.986	0.941	0.924	0.892	0.913	0.903	0.863	0.899	0.868										0.926049	5.6	0.056	1
ETHYL ETHER	0.389	0.312	0.37	0.363	0.346	0.342	0.352	0.331	0.324	0.345	0.334										0.346166	6.3	0.063	1
ACROLEIN		0.057	0.064	0.057	0.054	0.061	0.058	0.056	0.056	0.062	0.069										0.059401	7.8	0.078	1
1,1-DICHLOROETHENE	0.738	0.789	0.69	0.714	0.695	0.681	0.695	0.664	0.656	0.669	0.664										0.695883	5.64	0.056	1
1,1,2 -TRICHLOROTRIFLUOROETHANE	0.442	0.443	0.403	0.432	0.441	0.409	0.435	0.411	0.402	0.409	0.407										0.421258	4	0.04	1
ACETONE		0.301	0.252	0.234	0.232	0.207	0.226	0.215	0.216	0.284	0.279										0.244643	13.41	0.134	1
IODOMETHANE		1.261	1.022	0.95	0.893	0.867	0.864	0.854	0.865	0.847	0.86										0.928202	13.89	0.139	1
CARBON DISULFIDE		2.166	1.834	1.703	1.566	1.526	1.576	1.508	1.48	1.539	1.527										1.642524	12.95	0.13	1
METHYLENE CHLORIDE		0.709	0.63	0.579	0.559	0.53	0.54	0.526	0.528	0.527	0.513										0.564212	10.88	0.109	1
ACRYLONITRILE	0.202	0.177	0.181	0.185	0.187	0.184	0.196	0.189	0.187	0.196	0.189										0.188317	3.9	0.039	1
n-Hexane	0.58	0.504	0.461	0.484	0.488	0.475	0.482	0.453	0.448	0.451	0.438										0.478663	8.21	0.082	1
TRANS-1,2-DICHLOROETHENE	0.524	0.538	0.535	0.529	0.529	0.51	0.506	0.501	0.492	0.492	0.48										0.512327	3.86	0.039	1

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260B	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:59 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
METHYL TERT-BUTYL ETHER	1.362	1.37	1.267	1.311	1.339	1.267	1.343	1.292	1.269	1.297	1.29										1.309696	2.91	0.029	1
1,1-DICHLOROETHANE	1.041	1.021	1.095	1	1.017	1.004	1.008	0.973	0.966	0.955	0.94										1.001663	4.34	0.043	1
VINYL ACETATE	1.194	1.169	1.074	1.119	1.105	1.164	1.222	1.1	1.113	1.069	1.023										1.122988	5.25	0.052	1
DI-ISOPROPYL ETHER	1.877	1.889	1.965	1.912	1.915	1.904	1.936	1.888	1.835	1.848	1.848										1.892424	2.09	0.021	1
2,2-Dichloropropane	0.802	0.621	0.656	0.634	0.606	0.589	0.629	0.579	0.552	0.561	0.5										0.611741	12.56	0.126	1
CIS-1,2-DICHLOROETHENE	0.608	0.585	0.585	0.572	0.57	0.571	0.574	0.543	0.536	0.544	0.533										0.565601	4.2	0.042	1
2-BUTANONE (MEK)	0.354	0.367	0.321	0.35	0.343	0.343	0.364	0.341	0.349	0.38	0.366										0.352695	4.55	0.045	1
BROMOCHLOROMETHANE	0.356	0.369	0.337	0.352	0.335	0.327	0.343	0.332	0.327	0.333	0.323										0.339313	4.12	0.041	1
TETRAHYDROFURAN	0.216	0.183	0.163	0.19	0.175	0.17	0.176	0.171	0.164	0.192	0.181										0.180011	8.41	0.084	1
CHLOROFORM	0.963	0.983	1.005	1.002	0.959	0.936	0.969	0.929	0.902	0.913	0.895										0.950498	4.02	0.04	1
DIBROMOFLUOROMETHANE	0.623	0.615	0.623	0.621	0.606	0.592	0.605	0.591	0.585	0.585	0.583										0.602579	2.66	0.027	1
1,1,1-TRICHLOROETHANE	0.728	0.739	0.756	0.737	0.716	0.729	0.721	0.723	0.706	0.725	0.698										0.725092	2.19	0.022	1
CARBON TETRACHLORIDE	0.78	0.762	0.83	0.785	0.76	0.767	0.777	0.758	0.747	0.781	0.765										0.773771	2.86	0.029	1
1,1-Dichloropropene	0.702	0.743	0.698	0.737	0.701	0.695	0.704	0.684	0.682	0.672	0.662										0.698326	3.51	0.035	1
2,2,4-TRIMETHYLPENTANE	2.405	2.306	2.305	2.224	2.104	2.173	2.164	2.079	1.956	1.989	1.798										2.136814	8.28	0.083	1
HEPTANE	0.855	0.888	1.167	1.077	1.001	1.035	1.039	1.007	0.989	0.953	0.965										0.997805	8.6	0.086	1
BENZENE	2.479	2.378	2.327	2.214	2.158	2.12	2.076	2.03	1.994	2.027	1.967										2.161054	7.85	0.078	1
1,2-DICHLOROETHANE	0.741	0.668	0.702	0.721	0.707	0.673	0.677	0.676	0.649	0.661	0.638										0.682999	4.58	0.046	1
8260-1,4-DIFLUOROBENZENE																								
TRICHLOROETHENE	0.305	0.324	0.312	0.312	0.312	0.31	0.303	0.298	0.293	0.301	0.299										0.306217	2.83	0.028	1
1,2-DICHLOROPROPANE	0.286	0.245	0.244	0.256	0.253	0.26	0.254	0.252	0.249	0.248	0.244										0.253658	4.7	0.047	1
DIBROMOMETHANE	0.219	0.215	0.193	0.224	0.207	0.213	0.208	0.205	0.2	0.21	0.204										0.208749	4.12	0.041	1

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260B	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:59 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
BROMODICHLOROMETHANE	0.416	0.41	0.425	0.449	0.43	0.442	0.427	0.428	0.43	0.43	0.425										0.428335	2.49	0.025	1
α,a,a-Trifluorotoluene	0.526	0.536	0.521	0.534	0.518	0.539	0.514	0.503	0.508	0.496	0.48										0.515838	3.53	0.035	1
2-CHLOROETHYL VINYL ETHER	0.154	0.169	0.164	0.178	0.169	0.179	0.179	0.174	0.174	0.181	0.176										0.172411	4.61	0.046	1
CIS-1,3-DICHLOROPROPENE	0.487	0.526	0.534	0.524	0.515	0.544	0.526	0.533	0.523	0.529	0.533										0.52478	2.81	0.028	1
4-METHYL-2-PENTANONE (MIBK)	0.309	0.321	0.304	0.344	0.348	0.366	0.378	0.363	0.361	0.382	0.376										0.35017	7.91	0.079	1
TOLUENE-D8	1.205	1.217	1.201	1.209	1.149	1.182	1.162	1.145	1.144	1.128	1.12										1.169282	2.99	0.03	1
TOLUENE	1.576	1.406	1.395	1.335	1.247	1.273	1.24	1.229	1.2	1.244	1.256										1.309243	8.51	0.085	1
TRANS-1,3-DICHLOROPROPENE	0.435	0.437	0.439	0.443	0.451	0.48	0.49	0.483	0.477	0.49	0.485										0.464438	4.99	0.05	1
8260-2-BROMO-1 -CHLOROPROPANE																								
1,1,2-TRICHLOROETHANE	1.525	1.563	1.553	1.559	1.61	1.548	1.551	1.574	1.567	1.647	1.609										1.573326	2.23	0.022	1
TETRACHLOROETHENE	1.299	1.312	1.412	1.399	1.323	1.285	1.315	1.322	1.314	1.403	1.389										1.343089	3.51	0.035	1
1,3-Dichloropropane	3.058	3.036	2.78	2.725	2.871	2.689	2.663	2.667	2.722	2.789	2.672										2.788388	5.11	0.051	1
2-HEXANONE	0.727	0.689	0.704	0.73	0.832	0.791	0.875	0.889	0.917	0.984	0.957										0.826602	12.72	0.127	1
CHLORODIBROMOMETHANE	1.479	1.762	1.702	1.808	1.877	1.788	1.841	1.896	1.892	2.021	1.938										1.818577	7.86	0.079	1
1,2-DIBROMOETHANE	1.78	1.809	1.637	1.767	1.76	1.663	1.682	1.668	1.682	1.771	1.705										1.720374	3.38	0.034	1
CHLOROBENZENE	4.78	4.706	4.7	4.649	4.767	4.56	4.585	4.72	4.638	4.915	4.825										4.713279	2.23	0.022	1
1,1,1,2-TETRACHLOROETHANE	1.424	1.459	1.543	1.682	1.702	1.586	1.598	1.628	1.642	1.713	1.698										1.606815	6.1	0.061	1
ETHYLBENZENE	2.166	2.455	2.398	2.452	2.41	2.339	2.413	2.469	2.416	2.53	2.543										2.417292	4.21	0.042	1
M&P-XYLENE	3.29	2.975	3.101	3.049	3.094	2.95	3.021	3.034	3.022	3.175	3.18										3.080978	3.27	0.033	1
O-XYLENE	3.039	2.741	2.951	2.96	3.005	2.83	2.895	2.946	2.925	3.109	3.002										2.945795	3.4	0.034	1
STYRENE	4.741	4.908	4.554	4.666	4.892	4.697	4.936	5.005	4.887	5.271	5.056										4.873973	4.15	0.041	1
Bromoform	1.09	1.057	1.081	1.072	1.174	1.112	1.177	1.211	1.227	1.3	1.258										1.159967	7.14	0.071	1

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260B	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:59 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
Isopropylbenzene	7.321	7.656	7.482	7.502	7.515	7.438	7.581	7.57	7.391	8.044	7.821										7.5747	2.71	0.027	1
4-BROMOFLUOROBENZENE	2.492	2.553	2.544	2.578	2.553	2.47	2.435	2.514	2.528	2.533	2.433										2.512006	1.94	0.019	1
Bromobenzene	3.706	3.914	3.714	3.556	3.711	3.388	3.505	3.638	3.422	3.658	3.574										3.616714	4.15	0.041	1
1,1,2,2-TETRACHLOROETHANE	2.326	2.48	2.529	2.349	2.347	2.227	2.306	2.284	2.312	2.472	2.335										2.360564	3.93	0.039	1
1,2,3-TRICHLOROPROPANE		0.468	0.48	0.449	0.535	0.519	0.522	0.53	0.537	0.587	0.552										0.51802	7.96	0.08	1
TRANS-1,4-DICHLORO-2-BUTENE		0.74	0.506	0.536	0.558	0.562	0.587	0.601	0.58	0.643	0.623										0.593522	10.99	0.11	1
n-Propylbenzene	9.57	9.823	9.657	9.296	9.439	8.878	9.279	9.558	9.144	9.835	9.665										9.467634	3.12	0.031	1
4-ETHYLTOLUENE	7.948	8.005	7.675	7.556	7.78	7.44	7.539	7.8	7.473	8.094	7.93										7.749036	2.94	0.029	1
2-Chlorotoluene	1.66	1.996	1.912	1.823	1.922	1.775	1.767	1.832	1.804	1.913	1.869										1.842946	5.03	0.05	1
4-Chlorotoluene	5.599	5.965	5.611	5.523	5.53	5.409	5.427	5.409	5.47	5.69	5.676										5.573658	2.95	0.029	1
1,3,5-Trimethylbenzene	6.268	6.044	6.245	6.038	6.165	5.922	5.988	6.2	6.107	6.727	6.545										6.204331	3.9	0.039	1
tert-Butylbenzene	4.889	4.693	5.08	5.017	5.053	4.752	4.783	5.084	4.976	5.359	5.28										4.996985	4.2	0.042	1
1,2,4-Trimethylbenzene	6.976	6.311	6.175	6.319	6.156	5.878	6.041	6.18	6.023	6.549	6.364										6.270433	4.75	0.047	1
sec-Butylbenzene	8.224	7.781	7.871	8.247	8.195	7.946	8.03	8.135	7.882	8.738	8.571										8.147266	3.65	0.036	1
1,3-DICHLOROBENZENE	3.534	3.593	3.653	3.592	3.558	3.482	3.437	3.441	3.306	3.646	3.538										3.525402	2.92	0.029	1
p-Isopropyltoluene	6.294	6.676	6.556	6.267	6.489	6.345	6.582	6.391	6.319	6.937	7.097										6.541199	4.15	0.041	1
DICYCLOPENTADIENE	8.579	9.04	8.666	8.499	8.831	8.36	8.667	8.498	8.35	8.922	8.708										8.646979	2.55	0.026	1
8260-1,4-DICHLOROBENZENE-D4																								
1,4-DICHLOROBENZENE	1.703	1.565	1.523	1.406	1.386	1.371	1.356	1.331	1.323	1.359	1.394										1.428773	8.29	0.083	1
1,2,3-TRIMETHYLBENZENE	2.63	2.603	2.446	2.464	2.459	2.418	2.45	2.382	2.378	2.493	2.587										2.482864	3.51	0.035	1
1,2-DICHLOROBENZENE	1.343	1.402	1.327	1.267	1.272	1.269	1.253	1.261	1.248	1.276	1.279										1.290547	3.66	0.037	1
n-Butylbenzene	2.443	2.531	2.49	2.455	2.427	2.468	2.454	2.407	2.435	2.508	2.546										2.469417	1.79	0.018	1

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260B	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:59 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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-Dibromo-3-chloropropane			0.127	0.144	0.13	0.135	0.15	0.141	0.156	0.166	0.164										0.145891	9.75	0.097	1
1,2,4-Trichlorobenzene	0.84	0.848	0.806	0.758	0.795	0.763	0.768	0.728	0.761	0.852	0.938										0.805236	7.49	0.075	1
HEXACHLORO-1,3-BUTADIENE	0.456	0.458	0.441	0.428	0.436	0.403	0.407	0.393	0.406	0.453	0.497										0.43442	7.13	0.071	1
Naphthalene	2.313	2.153	1.915	1.944	1.806	1.841	1.987	1.955	2.038	2.235	2.312										2.045296	8.86	0.089	1
1,2,3-Trichlorobenzene	0.851	0.796	0.744	0.713	0.718	0.714	0.715	0.678	0.706	0.807	0.827										0.751692	7.69	0.077	1
1-Methylnaphthalene	1.262	1.049	0.917	0.912	0.897	0.951	0.969	0.929	0.975	1.157	1.118										1.012387	11.78	0.118	1
2-Methylnaphthalene	1.042	0.891	0.798	0.772	0.775	0.763	0.792	0.771	0.778	0.934	0.912										0.838919	10.97	0.11	1
AP9-PENTAFLUOROBENZENE																								
ETHANOL												0.004	0.005	0.004	0.005	0.005	0.004	0.004	0.004	0.005	0.004381	8.32	0.083	1
Bromoethane												0.412	0.426	0.42	0.412	0.391	0.385	0.395	0.383	0.395	0.402219	3.89	0.039	1
2-PROPANOL																					0	0	0	1
Methyl Acetate												0.386	0.423	0.424	0.416	0.383	0.379	0.392	0.4	0.39	0.399253	4.4	0.044	1
ACETONITRILE												0.057	0.059	0.071	0.069	0.066	0.063	0.066	0.067	0.066	0.064874	7.13	0.071	1
ALLYL CHLORIDE												0.228	0.242	0.239	0.242	0.229	0.222	0.237	0.231	0.228	0.233088	3.08	0.031	1
tert-BUTYL ALCOHOL												0.082	0.085	0.092	0.098	0.094	0.088	0.094	0.098	0.095	0.091829	6.14	0.061	1
chloroprene												0.731	0.757	0.761	0.743	0.724	0.705	0.704	0.713	0.704	0.727051	3.08	0.031	1
ETHYL TERT-BUTYL ETHER												1.456	1.555	1.541	1.54	1.511	1.436	1.468	1.407	1.426	1.482265	3.75	0.037	1
PROPIONITRILE												0.071	0.076	0.078	0.075	0.072	0.071	0.072	0.073	0.071	0.073275	3.57	0.036	1
Ethyl Acetate												0.51	0.557	0.56	0.55	0.532	0.526	0.538	0.544	0.52	0.537213	3.14	0.031	1
METHACRYLONITRILE												0.204	0.223	0.215	0.211	0.204	0.202	0.204	0.203	0.2	0.207296	3.58	0.036	1
Cyclohexane												1.224	1.282	1.259	1.244	1.178	1.173	1.185	1.141	1.146	1.203495	4.2	0.042	1
tert-butyl formate												0.309	0.327	0.338	0.332	0.335	0.327	0.33	0.323	0.326	0.327638	2.58	0.026	1

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260B	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:59 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
ISOBUTANOL												0.029	0.034	0.033	0.034	0.034	0.032	0.035	0.035	0.034	0.033421	5.69	0.057	1
2-Amyl Alcohol												0.044	0.037	0.043	0.044	0.044	0.041	0.043	0.046	0.047	0.043316	7.36	0.074	1
TERT-AMYL METHYL ETHER												1.597	1.736	1.629	1.601	1.608	1.592	1.622	1.543	1.55	1.608648	3.47	0.035	1
AP9-1,4-DIFLUOROBENZENE																								
N-BUTANOL												0.008	0.009	0.009	0.01	0.009	0.009	0.01	0.01	0.01	0.009315	8.4	0.084	1
Methyl Cyclohexane												1.051	0.828	0.738	0.703	0.692	0.679	0.668	0.654	0.67	0.742567	17.1	1	0
2-nitropropane												0.085	0.09	0.09	0.094	0.09	0.089	0.089	0.093	0.092	0.090139	3	0.03	1
METHYL METHACRYLATE												0.282	0.315	0.326	0.322	0.312	0.311	0.31	0.313	0.321	0.312635	4.07	0.041	1
1,4-DIOXANE												0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002995	9.95	0.1	1
n-octane												0.225	0.24	0.241	0.25	0.239	0.235	0.246	0.242	0.24	0.239894	2.92	0.029	1
3,3-DIMETHYL-1-BUTANOL												0.038	0.039	0.04	0.043	0.041	0.039	0.043	0.044	0.045	0.041344	6.46	0.065	1
AP9-2-BROMO-1 -CHLOROPROPANE																								
ETHYL METHACRYLATE												1.633	2.122	2.116	2.115	2.075	2.024	2.202	2.16	2.087	2.059357	8.13	0.081	1
CIS-1,4-DICHLORO-2-BUTENE												0.542	0.6	0.616	0.605	0.604	0.604	0.641	0.638	0.603	0.605857	4.69	0.047	1
Cyclohexanone												0.451	0.529	0.521	0.486	0.493	0.473	0.503	0.517	0.503	0.497525	4.97	0.05	1
PENTACHLOROETHANE												1.103	1.207	1.172	1.158	1.175	1.189	1.285	1.195	1.206	1.187876	4.07	0.041	1
Hexachloroethane												1.189	1.459	1.403	1.466	1.41	1.437	1.557	1.455	1.48	1.42858	7.02	0.07	1
AP9-1,4-DICHLOROBENZENE-D4																								

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 601-602	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:19:39 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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				0.16	0.103	0.082	0.076	0.079	0.068	0.073	0.069										0.088783	34.79	0.999	0
DICHLORODIFLUOROMETHANE	0.569	0.514	0.527	0.533	0.526	0.516	0.513	0.504	0.509	0.514	0.501										0.520576	3.61	0.036	1
CHLOROMETHANE		0.987	0.868	0.809	0.74	0.709	0.713	0.697	0.664	0.692	0.683										0.75628	13.51	0.135	1
VINYL CHLORIDE	0.638	0.561	0.566	0.594	0.584	0.589	0.587	0.593	0.589	0.623	0.629										0.595768	4.12	0.041	1
1,3-BUTADIENE	0.429	0.313	0.306	0.416	0.376	0.398	0.419	0.409	0.4	0.419	0.426										0.391926	11.11	0.111	1
BROMOMETHANE	0.41	0.483	0.57	0.426	0.46	0.43	0.419	0.401	0.4	0.423	0.41										0.43924	11.39	0.114	1
CHLOROETHANE	0.328	0.35	0.322	0.352	0.306	0.305	0.3	0.296	0.298	0.254	0.229										0.303617	12.1	0.121	1
TRICHLOROFLUOROMETHANE	0.732	0.743	0.775	0.76	0.717	0.73	0.729	0.717	0.71	0.742	0.73										0.735035	2.6	0.026	1
DICHLOROFLUOROMETHANE	0.962	1.035	0.986	0.941	0.924	0.892	0.913	0.903	0.863	0.899	0.868										0.926049	5.6	0.056	1
ETHYL ETHER	0.389	0.312	0.37	0.363	0.346	0.342	0.352	0.331	0.324	0.345	0.334										0.346166	6.3	0.063	1
ACROLEIN		0.057	0.064	0.057	0.054	0.061	0.058	0.056	0.056	0.062	0.069										0.059401	7.8	0.078	1
1,1-DICHLOROETHENE	0.738	0.789	0.69	0.714	0.695	0.681	0.695	0.664	0.656	0.669	0.664										0.695883	5.64	0.056	1
1,1,2 -TRICHLOROTRIFLUOROETHANE	0.442	0.443	0.403	0.432	0.441	0.409	0.435	0.411	0.402	0.409	0.407										0.421258	4	0.04	1
ACETONE		0.301	0.252	0.234	0.232	0.207	0.226	0.215	0.216	0.284	0.279										0.244643	13.41	0.134	1
IODOMETHANE		1.261	1.022	0.95	0.893	0.867	0.864	0.854	0.865	0.847	0.86										0.928202	13.89	0.139	1
CARBON DISULFIDE		2.166	1.834	1.703	1.566	1.526	1.576	1.508	1.48	1.539	1.527										1.642524	12.95	0.13	1
METHYLENE CHLORIDE		0.709	0.63	0.579	0.559	0.53	0.54	0.526	0.528	0.527	0.513										0.564212	10.88	0.109	1
ACRYLONITRILE	0.202	0.177	0.181	0.185	0.187	0.184	0.196	0.189	0.187	0.196	0.189										0.188317	3.9	0.039	1
n-Hexane	0.58	0.504	0.461	0.484	0.488	0.475	0.482	0.453	0.448	0.451	0.438										0.478663	8.21	0.082	1
TRANS-1,2-DICHLOROETHENE	0.524	0.538	0.535	0.529	0.529	0.51	0.506	0.501	0.492	0.492	0.48										0.512327	3.86	0.039	1

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12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 601-602	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:19:39 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
METHYL TERT-BUTYL ETHER	1.362	1.37	1.267	1.311	1.339	1.267	1.343	1.292	1.269	1.297	1.29										1.309696	2.91	0.029	1
1,1-DICHLOROETHANE	1.041	1.021	1.095	1	1.017	1.004	1.008	0.973	0.966	0.955	0.94										1.001663	4.34	0.043	1
VINYL ACETATE	1.194	1.169	1.074	1.119	1.105	1.164	1.222	1.1	1.113	1.069	1.023										1.122988	5.25	0.052	1
DI-ISOPROPYL ETHER	1.877	1.889	1.965	1.912	1.915	1.904	1.936	1.888	1.835	1.848	1.848										1.892424	2.09	0.021	1
2,2-Dichloropropane	0.802	0.621	0.656	0.634	0.606	0.589	0.629	0.579	0.552	0.561	0.5										0.611741	12.56	0.126	1
CIS-1,2-DICHLOROETHENE	0.608	0.585	0.585	0.572	0.57	0.571	0.574	0.543	0.536	0.544	0.533										0.565601	4.2	0.042	1
2-BUTANONE (MEK)	0.354	0.367	0.321	0.35	0.343	0.343	0.364	0.341	0.349	0.38	0.366										0.352695	4.55	0.045	1
BROMOCHLOROMETHANE	0.356	0.369	0.337	0.352	0.335	0.327	0.343	0.332	0.327	0.333	0.323										0.339313	4.12	0.041	1
TETRAHYDROFURAN	0.216	0.183	0.163	0.19	0.175	0.17	0.176	0.171	0.164	0.192	0.181										0.180011	8.41	0.084	1
CHLOROFORM	0.963	0.983	1.005	1.002	0.959	0.936	0.969	0.929	0.902	0.913	0.895										0.950498	4.02	0.04	1
DIBROMOFLUOROMETHANE	0.623	0.615	0.623	0.621	0.606	0.592	0.605	0.591	0.585	0.585	0.583										0.602579	2.66	0.027	1
1,1,1-TRICHLOROETHANE	0.728	0.739	0.756	0.737	0.716	0.729	0.721	0.723	0.706	0.725	0.698										0.725092	2.19	0.022	1
CARBON TETRACHLORIDE	0.78	0.762	0.83	0.785	0.76	0.767	0.777	0.758	0.747	0.781	0.765										0.773771	2.86	0.029	1
1,1-Dichloropropene	0.702	0.743	0.698	0.737	0.701	0.695	0.704	0.684	0.682	0.672	0.662										0.698326	3.51	0.035	1
2,2,4-TRIMETHYLPENTANE	2.405	2.306	2.305	2.224	2.104	2.173	2.164	2.079	1.956	1.989	1.798										2.136814	8.28	0.083	1
HEPTANE	0.855	0.888	1.167	1.077	1.001	1.035	1.039	1.007	0.989	0.953	0.965										0.997805	8.6	0.086	1
BENZENE	2.479	2.378	2.327	2.214	2.158	2.12	2.076	2.03	1.994	2.027	1.967										2.161054	7.85	0.078	1
1,2-DICHLOROETHANE	0.741	0.668	0.702	0.721	0.707	0.673	0.677	0.676	0.649	0.661	0.638										0.682999	4.58	0.046	1
8260-1,4-DIFLUOROBENZENE																								
TRICHLOROETHENE	0.305	0.324	0.312	0.312	0.312	0.31	0.303	0.298	0.293	0.301	0.299										0.306217	2.83	0.028	1
1,2-DICHLOROPROPANE	0.286	0.245	0.244	0.256	0.253	0.26	0.254	0.252	0.249	0.248	0.244										0.253658	4.7	0.047	1
DIBROMOMETHANE	0.219	0.215	0.193	0.224	0.207	0.213	0.208	0.205	0.2	0.21	0.204										0.208749	4.12	0.041	1

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 601-602	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:19:39 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
BROMODICHLOROMETHANE	0.416	0.41	0.425	0.449	0.43	0.442	0.427	0.428	0.43	0.43	0.425										0.428335	2.49	0.025	1
α,a,a-Trifluorotoluene	0.526	0.536	0.521	0.534	0.518	0.539	0.514	0.503	0.508	0.496	0.48										0.515838	3.53	0.035	1
2-CHLOROETHYL VINYL ETHER	0.154	0.169	0.164	0.178	0.169	0.179	0.179	0.174	0.174	0.181	0.176										0.172411	4.61	0.046	1
CIS-1,3-DICHLOROPROPENE	0.487	0.526	0.534	0.524	0.515	0.544	0.526	0.533	0.523	0.529	0.533										0.52478	2.81	0.028	1
4-METHYL-2-PENTANONE (MIBK)	0.309	0.321	0.304	0.344	0.348	0.366	0.378	0.363	0.361	0.382	0.376										0.35017	7.91	0.079	1
TOLUENE-D8	1.205	1.217	1.201	1.209	1.149	1.182	1.162	1.145	1.144	1.128	1.12										1.169282	2.99	0.03	1
TOLUENE	1.576	1.406	1.395	1.335	1.247	1.273	1.24	1.229	1.2	1.244	1.256										1.309243	8.51	0.085	1
TRANS-1,3-DICHLOROPROPENE	0.435	0.437	0.439	0.443	0.451	0.48	0.49	0.483	0.477	0.49	0.485										0.464438	4.99	0.05	1
8260-2-BROMO-1 -CHLOROPROPANE																								
1,1,2-TRICHLOROETHANE	1.525	1.563	1.553	1.559	1.61	1.548	1.551	1.574	1.567	1.647	1.609										1.573326	2.23	0.022	1
TETRACHLOROETHENE	1.299	1.312	1.412	1.399	1.323	1.285	1.315	1.322	1.314	1.403	1.389										1.343089	3.51	0.035	1
1,3-Dichloropropane	3.058	3.036	2.78	2.725	2.871	2.689	2.663	2.667	2.722	2.789	2.672										2.788388	5.11	0.051	1
2-HEXANONE	0.727	0.689	0.704	0.73	0.832	0.791	0.875	0.889	0.917	0.984	0.957										0.826602	12.72	0.127	1
CHLORODIBROMOMETHANE	1.479	1.762	1.702	1.808	1.877	1.788	1.841	1.896	1.892	2.021	1.938										1.818577	7.86	0.079	1
1,2-DIBROMOETHANE	1.78	1.809	1.637	1.767	1.76	1.663	1.682	1.668	1.682	1.771	1.705										1.720374	3.38	0.034	1
CHLOROBENZENE	4.78	4.706	4.7	4.649	4.767	4.56	4.585	4.72	4.638	4.915	4.825										4.713279	2.23	0.022	1
1,1,1,2-TETRACHLOROETHANE	1.424	1.459	1.543	1.682	1.702	1.586	1.598	1.628	1.642	1.713	1.698										1.606815	6.1	0.061	1
ETHYLBENZENE	2.166	2.455	2.398	2.452	2.41	2.339	2.413	2.469	2.416	2.53	2.543										2.417292	4.21	0.042	1
M&P-XYLENE	3.29	2.975	3.101	3.049	3.094	2.95	3.021	3.034	3.022	3.175	3.18										3.080978	3.27	0.033	1
O-XYLENE	3.039	2.741	2.951	2.96	3.005	2.83	2.895	2.946	2.925	3.109	3.002										2.945795	3.4	0.034	1
STYRENE	4.741	4.908	4.554	4.666	4.892	4.697	4.936	5.005	4.887	5.271	5.056										4.873973	4.15	0.041	1
Bromoform	1.09	1.057	1.081	1.072	1.174	1.112	1.177	1.211	1.227	1.3	1.258										1.159967	7.14	0.071	1

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 601-602	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:19:39 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
Isopropylbenzene	7.321	7.656	7.482	7.502	7.515	7.438	7.581	7.57	7.391	8.044	7.821										7.5747	2.71	0.027	1
4-BROMOFLUOROBENZENE	2.492	2.553	2.544	2.578	2.553	2.47	2.435	2.514	2.528	2.533	2.433										2.512006	1.94	0.019	1
Bromobenzene	3.706	3.914	3.714	3.556	3.711	3.388	3.505	3.638	3.422	3.658	3.574										3.616714	4.15	0.041	1
1,1,2,2-TETRACHLOROETHANE	2.326	2.48	2.529	2.349	2.347	2.227	2.306	2.284	2.312	2.472	2.335										2.360564	3.93	0.039	1
1,2,3-TRICHLOROPROPANE		0.468	0.48	0.449	0.535	0.519	0.522	0.53	0.537	0.587	0.552										0.51802	7.96	0.08	1
TRANS-1,4-DICHLORO-2-BUTENE		0.74	0.506	0.536	0.558	0.562	0.587	0.601	0.58	0.643	0.623										0.593522	10.99	0.11	1
n-Propylbenzene	9.57	9.823	9.657	9.296	9.439	8.878	9.279	9.558	9.144	9.835	9.665										9.467634	3.12	0.031	1
4-ETHYLTOLUENE	7.948	8.005	7.675	7.556	7.78	7.44	7.539	7.8	7.473	8.094	7.93										7.749036	2.94	0.029	1
2-Chlorotoluene	1.66	1.996	1.912	1.823	1.922	1.775	1.767	1.832	1.804	1.913	1.869										1.842946	5.03	0.05	1
4-Chlorotoluene	5.599	5.965	5.611	5.523	5.53	5.409	5.427	5.409	5.47	5.69	5.676										5.573658	2.95	0.029	1
1,3,5-Trimethylbenzene	6.268	6.044	6.245	6.038	6.165	5.922	5.988	6.2	6.107	6.727	6.545										6.204331	3.9	0.039	1
tert-Butylbenzene	4.889	4.693	5.08	5.017	5.053	4.752	4.783	5.084	4.976	5.359	5.28										4.996985	4.2	0.042	1
1,2,4-Trimethylbenzene	6.976	6.311	6.175	6.319	6.156	5.878	6.041	6.18	6.023	6.549	6.364										6.270433	4.75	0.047	1
sec-Butylbenzene	8.224	7.781	7.871	8.247	8.195	7.946	8.03	8.135	7.882	8.738	8.571										8.147266	3.65	0.036	1
1,3-DICHLOROBENZENE	3.534	3.593	3.653	3.592	3.558	3.482	3.437	3.441	3.306	3.646	3.538										3.525402	2.92	0.029	1
p-Isopropyltoluene	6.294	6.676	6.556	6.267	6.489	6.345	6.582	6.391	6.319	6.937	7.097										6.541199	4.15	0.041	1
DICYCLOPENTADIENE	8.579	9.04	8.666	8.499	8.831	8.36	8.667	8.498	8.35	8.922	8.708										8.646979	2.55	0.026	1
8260-1,4-DICHLOROBENZENE-D4																								
1,4-DICHLOROBENZENE	1.703	1.565	1.523	1.406	1.386	1.371	1.356	1.331	1.323	1.359	1.394										1.428773	8.29	0.083	1
1,2,3-TRIMETHYLBENZENE	2.63	2.603	2.446	2.464	2.459	2.418	2.45	2.382	2.378	2.493	2.587										2.482864	3.51	0.035	1
1,2-DICHLOROBENZENE	1.343	1.402	1.327	1.267	1.272	1.269	1.253	1.261	1.248	1.276	1.279										1.290547	3.66	0.037	1
n-Butylbenzene	2.443	2.531	2.49	2.455	2.427	2.468	2.454	2.407	2.435	2.508	2.546										2.469417	1.79	0.018	1

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INITIAL CALIBRATION SUMMARY

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Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:19:39 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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-Dibromo-3-chloropropane			0.127	0.144	0.13	0.135	0.15	0.141	0.156	0.166	0.164										0.145891	9.75	0.097	1
1,2,4-Trichlorobenzene	0.84	0.848	0.806	0.758	0.795	0.763	0.768	0.728	0.761	0.852	0.938										0.805236	7.49	0.075	1
HEXACHLORO-1,3-BUTADIENE	0.456	0.458	0.441	0.428	0.436	0.403	0.407	0.393	0.406	0.453	0.497										0.43442	7.13	0.071	1
Naphthalene	2.313	2.153	1.915	1.944	1.806	1.841	1.987	1.955	2.038	2.235	2.312										2.045296	8.86	0.089	1
1,2,3-Trichlorobenzene	0.851	0.796	0.744	0.713	0.718	0.714	0.715	0.678	0.706	0.807	0.827										0.751692	7.69	0.077	1
1-Methylnaphthalene	1.262	1.049	0.917	0.912	0.897	0.951	0.969	0.929	0.975	1.157	1.118										1.012387	11.78	0.118	1
2-Methylnaphthalene	1.042	0.891	0.798	0.772	0.775	0.763	0.792	0.771	0.778	0.934	0.912										0.838919	10.97	0.11	1
AP9-PENTAFLUOROBENZENE																								
ETHANOL												0.004	0.005	0.004	0.005	0.005	0.004	0.004	0.004	0.005	0.004381	8.32	0.083	1
Bromoethane												0.412	0.426	0.42	0.412	0.391	0.385	0.395	0.383	0.395	0.402219	3.89	0.039	1
2-PROPANOL																					0	0	0	1
Methyl Acetate												0.386	0.423	0.424	0.416	0.383	0.379	0.392	0.4	0.39	0.399253	4.4	0.044	1
ACETONITRILE												0.057	0.059	0.071	0.069	0.066	0.063	0.066	0.067	0.066	0.064874	7.13	0.071	1
ALLYL CHLORIDE												0.228	0.242	0.239	0.242	0.229	0.222	0.237	0.231	0.228	0.233088	3.08	0.031	1
tert-BUTYL ALCOHOL												0.082	0.085	0.092	0.098	0.094	0.088	0.094	0.098	0.095	0.091829	6.14	0.061	1
chloroprene												0.731	0.757	0.761	0.743	0.724	0.705	0.704	0.713	0.704	0.727051	3.08	0.031	1
ETHYL TERT-BUTYL ETHER												1.456	1.555	1.541	1.54	1.511	1.436	1.468	1.407	1.426	1.482265	3.75	0.037	1
PROPIONITRILE												0.071	0.076	0.078	0.075	0.072	0.071	0.072	0.073	0.071	0.073275	3.57	0.036	1
Ethyl Acetate												0.51	0.557	0.56	0.55	0.532	0.526	0.538	0.544	0.52	0.537213	3.14	0.031	1
METHACRYLONITRILE												0.204	0.223	0.215	0.211	0.204	0.202	0.204	0.203	0.2	0.207296	3.58	0.036	1
Cyclohexane												1.224	1.282	1.259	1.244	1.178	1.173	1.185	1.141	1.146	1.203495	4.2	0.042	1
tert-butyl formate												0.309	0.327	0.338	0.332	0.335	0.327	0.33	0.323	0.326	0.327638	2.58	0.026	1

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 601-602	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:19:39 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
ISOBUTANOL												0.029	0.034	0.033	0.034	0.034	0.032	0.035	0.035	0.034	0.033421	5.69	0.057	1
2-Amyl Alcohol												0.044	0.037	0.043	0.044	0.044	0.041	0.043	0.046	0.047	0.043316	7.36	0.074	1
TERT-AMYL METHYL ETHER												1.597	1.736	1.629	1.601	1.608	1.592	1.622	1.543	1.55	1.608648	3.47	0.035	1
AP9-1,4-DIFLUOROBENZENE																								
N-BUTANOL												0.008	0.009	0.009	0.01	0.009	0.009	0.01	0.01	0.01	0.009315	8.4	0.084	1
Methyl Cyclohexane												1.051	0.828	0.738	0.703	0.692	0.679	0.668	0.654	0.67	0.742567	17.1	1	0
2-nitropropane												0.085	0.09	0.09	0.094	0.09	0.089	0.089	0.093	0.092	0.090139	3	0.03	1
METHYL METHACRYLATE												0.282	0.315	0.326	0.322	0.312	0.311	0.31	0.313	0.321	0.312635	4.07	0.041	1
1,4-DIOXANE												0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002995	9.95	0.1	1
n-octane												0.225	0.24	0.241	0.25	0.239	0.235	0.246	0.242	0.24	0.239894	2.92	0.029	1
3,3-DIMETHYL-1-BUTANOL												0.038	0.039	0.04	0.043	0.041	0.039	0.043	0.044	0.045	0.041344	6.46	0.065	1
AP9-2-BROMO-1 -CHLOROPROPANE																								
ETHYL METHACRYLATE												1.633	2.122	2.116	2.115	2.075	2.024	2.202	2.16	2.087	2.059357	8.13	0.081	1
CIS-1,4-DICHLORO-2-BUTENE												0.542	0.6	0.616	0.605	0.604	0.604	0.641	0.638	0.603	0.605857	4.69	0.047	1
Cyclohexanone												0.451	0.529	0.521	0.486	0.493	0.473	0.503	0.517	0.503	0.497525	4.97	0.05	1
PENTACHLOROETHANE												1.103	1.207	1.172	1.158	1.175	1.189	1.285	1.195	1.206	1.187876	4.07	0.041	1
Hexachloroethane												1.189	1.459	1.403	1.466	1.41	1.437	1.557	1.455	1.48	1.42858	7.02	0.07	1
AP9-1,4-DICHLOROBENZENE-D4																								

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 624	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:20:09 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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				0.16	0.103	0.082	0.076	0.079	0.068	0.073	0.069										0.088783	34.79	0.999	0
DICHLORODIFLUOROMETHANE	0.569	0.514	0.527	0.533	0.526	0.516	0.513	0.504	0.509	0.514	0.501										0.520576	3.61	0.036	1
CHLOROMETHANE		0.987	0.868	0.809	0.74	0.709	0.713	0.697	0.664	0.692	0.683										0.75628	13.51	0.135	1
VINYL CHLORIDE	0.638	0.561	0.566	0.594	0.584	0.589	0.587	0.593	0.589	0.623	0.629										0.595768	4.12	0.041	1
1,3-BUTADIENE	0.429	0.313	0.306	0.416	0.376	0.398	0.419	0.409	0.4	0.419	0.426										0.391926	11.11	0.111	1
BROMOMETHANE	0.41	0.483	0.57	0.426	0.46	0.43	0.419	0.401	0.4	0.423	0.41										0.43924	11.39	0.114	1
CHLOROETHANE	0.328	0.35	0.322	0.352	0.306	0.305	0.3	0.296	0.298	0.254	0.229										0.303617	12.1	0.121	1
TRICHLOROFLUOROMETHANE	0.732	0.743	0.775	0.76	0.717	0.73	0.729	0.717	0.71	0.742	0.73										0.735035	2.6	0.026	1
DICHLOROFLUOROMETHANE	0.962	1.035	0.986	0.941	0.924	0.892	0.913	0.903	0.863	0.899	0.868										0.926049	5.6	0.056	1
ETHYL ETHER	0.389	0.312	0.37	0.363	0.346	0.342	0.352	0.331	0.324	0.345	0.334										0.346166	6.3	0.063	1
ACROLEIN		0.057	0.064	0.057	0.054	0.061	0.058	0.056	0.056	0.062	0.069										0.059401	7.8	0.078	1
1,1-DICHLOROETHENE	0.738	0.789	0.69	0.714	0.695	0.681	0.695	0.664	0.656	0.669	0.664										0.695883	5.64	0.056	1
1,1,2 -TRICHLOROTRIFLUOROETHANE	0.442	0.443	0.403	0.432	0.441	0.409	0.435	0.411	0.402	0.409	0.407										0.421258	4	0.04	1
ACETONE		0.301	0.252	0.234	0.232	0.207	0.226	0.215	0.216	0.284	0.279										0.244643	13.41	0.134	1
IODOMETHANE		1.261	1.022	0.95	0.893	0.867	0.864	0.854	0.865	0.847	0.86										0.928202	13.89	0.139	1
CARBON DISULFIDE		2.166	1.834	1.703	1.566	1.526	1.576	1.508	1.48	1.539	1.527										1.642524	12.95	0.13	1
METHYLENE CHLORIDE		0.709	0.63	0.579	0.559	0.53	0.54	0.526	0.528	0.527	0.513										0.564212	10.88	0.109	1
ACRYLONITRILE	0.202	0.177	0.181	0.185	0.187	0.184	0.196	0.189	0.187	0.196	0.189										0.188317	3.9	0.039	1
n-Hexane	0.58	0.504	0.461	0.484	0.488	0.475	0.482	0.453	0.448	0.451	0.438										0.478663	8.21	0.082	1
TRANS-1,2-DICHLOROETHENE	0.524	0.538	0.535	0.529	0.529	0.51	0.506	0.501	0.492	0.492	0.48										0.512327	3.86	0.039	1

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Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:20:09 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
METHYL TERT-BUTYL ETHER	1.362	1.37	1.267	1.311	1.339	1.267	1.343	1.292	1.269	1.297	1.29										1.309696	2.91	0.029	1
1,1-DICHLOROETHANE	1.041	1.021	1.095	1	1.017	1.004	1.008	0.973	0.966	0.955	0.94										1.001663	4.34	0.043	1
VINYL ACETATE	1.194	1.169	1.074	1.119	1.105	1.164	1.222	1.1	1.113	1.069	1.023										1.122988	5.25	0.052	1
DI-ISOPROPYL ETHER	1.877	1.889	1.965	1.912	1.915	1.904	1.936	1.888	1.835	1.848	1.848										1.892424	2.09	0.021	1
2,2-Dichloropropane	0.802	0.621	0.656	0.634	0.606	0.589	0.629	0.579	0.552	0.561	0.5										0.611741	12.56	0.126	1
CIS-1,2-DICHLOROETHENE	0.608	0.585	0.585	0.572	0.57	0.571	0.574	0.543	0.536	0.544	0.533										0.565601	4.2	0.042	1
2-BUTANONE (MEK)	0.354	0.367	0.321	0.35	0.343	0.343	0.364	0.341	0.349	0.38	0.366										0.352695	4.55	0.045	1
BROMOCHLOROMETHANE	0.356	0.369	0.337	0.352	0.335	0.327	0.343	0.332	0.327	0.333	0.323										0.339313	4.12	0.041	1
TETRAHYDROFURAN	0.216	0.183	0.163	0.19	0.175	0.17	0.176	0.171	0.164	0.192	0.181										0.180011	8.41	0.084	1
CHLOROFORM	0.963	0.983	1.005	1.002	0.959	0.936	0.969	0.929	0.902	0.913	0.895										0.950498	4.02	0.04	1
DIBROMOFLUOROMETHANE	0.623	0.615	0.623	0.621	0.606	0.592	0.605	0.591	0.585	0.585	0.583										0.602579	2.66	0.027	1
1,1,1-TRICHLOROETHANE	0.728	0.739	0.756	0.737	0.716	0.729	0.721	0.723	0.706	0.725	0.698										0.725092	2.19	0.022	1
CARBON TETRACHLORIDE	0.78	0.762	0.83	0.785	0.76	0.767	0.777	0.758	0.747	0.781	0.765										0.773771	2.86	0.029	1
1,1-Dichloropropene	0.702	0.743	0.698	0.737	0.701	0.695	0.704	0.684	0.682	0.672	0.662										0.698326	3.51	0.035	1
2,2,4-TRIMETHYLPENTANE	2.405	2.306	2.305	2.224	2.104	2.173	2.164	2.079	1.956	1.989	1.798										2.136814	8.28	0.083	1
HEPTANE	0.855	0.888	1.167	1.077	1.001	1.035	1.039	1.007	0.989	0.953	0.965										0.997805	8.6	0.086	1
BENZENE	2.479	2.378	2.327	2.214	2.158	2.12	2.076	2.03	1.994	2.027	1.967										2.161054	7.85	0.078	1
1,2-DICHLOROETHANE	0.741	0.668	0.702	0.721	0.707	0.673	0.677	0.676	0.649	0.661	0.638										0.682999	4.58	0.046	1
8260-1,4-DIFLUOROBENZENE																								
TRICHLOROETHENE	0.305	0.324	0.312	0.312	0.312	0.31	0.303	0.298	0.293	0.301	0.299										0.306217	2.83	0.028	1
1,2-DICHLOROPROPANE	0.286	0.245	0.244	0.256	0.253	0.26	0.254	0.252	0.249	0.248	0.244										0.253658	4.7	0.047	1
DIBROMOMETHANE	0.219	0.215	0.193	0.224	0.207	0.213	0.208	0.205	0.2	0.21	0.204										0.208749	4.12	0.041	1

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 624	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:20:09 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
BROMODICHLOROMETHANE	0.416	0.41	0.425	0.449	0.43	0.442	0.427	0.428	0.43	0.43	0.425										0.428335	2.49	0.025	1
α,a,a-Trifluorotoluene	0.526	0.536	0.521	0.534	0.518	0.539	0.514	0.503	0.508	0.496	0.48										0.515838	3.53	0.035	1
2-CHLOROETHYL VINYL ETHER	0.154	0.169	0.164	0.178	0.169	0.179	0.179	0.174	0.174	0.181	0.176										0.172411	4.61	0.046	1
CIS-1,3-DICHLOROPROPENE	0.487	0.526	0.534	0.524	0.515	0.544	0.526	0.533	0.523	0.529	0.533										0.52478	2.81	0.028	1
4-METHYL-2-PENTANONE (MIBK)	0.309	0.321	0.304	0.344	0.348	0.366	0.378	0.363	0.361	0.382	0.376										0.35017	7.91	0.079	1
TOLUENE-D8	1.205	1.217	1.201	1.209	1.149	1.182	1.162	1.145	1.144	1.128	1.12										1.169282	2.99	0.03	1
TOLUENE	1.576	1.406	1.395	1.335	1.247	1.273	1.24	1.229	1.2	1.244	1.256										1.309243	8.51	0.085	1
TRANS-1,3-DICHLOROPROPENE	0.435	0.437	0.439	0.443	0.451	0.48	0.49	0.483	0.477	0.49	0.485										0.464438	4.99	0.05	1
8260-2-BROMO-1 -CHLOROPROPANE																								
1,1,2-TRICHLOROETHANE	1.525	1.563	1.553	1.559	1.61	1.548	1.551	1.574	1.567	1.647	1.609										1.573326	2.23	0.022	1
TETRACHLOROETHENE	1.299	1.312	1.412	1.399	1.323	1.285	1.315	1.322	1.314	1.403	1.389										1.343089	3.51	0.035	1
1,3-Dichloropropane	3.058	3.036	2.78	2.725	2.871	2.689	2.663	2.667	2.722	2.789	2.672										2.788388	5.11	0.051	1
2-HEXANONE	0.727	0.689	0.704	0.73	0.832	0.791	0.875	0.889	0.917	0.984	0.957										0.826602	12.72	0.127	1
CHLORODIBROMOMETHANE	1.479	1.762	1.702	1.808	1.877	1.788	1.841	1.896	1.892	2.021	1.938										1.818577	7.86	0.079	1
1,2-DIBROMOETHANE	1.78	1.809	1.637	1.767	1.76	1.663	1.682	1.668	1.682	1.771	1.705										1.720374	3.38	0.034	1
CHLOROBENZENE	4.78	4.706	4.7	4.649	4.767	4.56	4.585	4.72	4.638	4.915	4.825										4.713279	2.23	0.022	1
1,1,1,2-TETRACHLOROETHANE	1.424	1.459	1.543	1.682	1.702	1.586	1.598	1.628	1.642	1.713	1.698										1.606815	6.1	0.061	1
ETHYLBENZENE	2.166	2.455	2.398	2.452	2.41	2.339	2.413	2.469	2.416	2.53	2.543										2.417292	4.21	0.042	1
M&P-XYLENE	3.29	2.975	3.101	3.049	3.094	2.95	3.021	3.034	3.022	3.175	3.18										3.080978	3.27	0.033	1
O-XYLENE	3.039	2.741	2.951	2.96	3.005	2.83	2.895	2.946	2.925	3.109	3.002										2.945795	3.4	0.034	1
STYRENE	4.741	4.908	4.554	4.666	4.892	4.697	4.936	5.005	4.887	5.271	5.056										4.873973	4.15	0.041	1
Bromoform	1.09	1.057	1.081	1.072	1.174	1.112	1.177	1.211	1.227	1.3	1.258										1.159967	7.14	0.071	1

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 624	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:20:09 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
Isopropylbenzene	7.321	7.656	7.482	7.502	7.515	7.438	7.581	7.57	7.391	8.044	7.821										7.5747	2.71	0.027	1
4-BROMOFLUOROBENZENE	2.492	2.553	2.544	2.578	2.553	2.47	2.435	2.514	2.528	2.533	2.433										2.512006	1.94	0.019	1
Bromobenzene	3.706	3.914	3.714	3.556	3.711	3.388	3.505	3.638	3.422	3.658	3.574										3.616714	4.15	0.041	1
1,1,2,2-TETRACHLOROETHANE	2.326	2.48	2.529	2.349	2.347	2.227	2.306	2.284	2.312	2.472	2.335										2.360564	3.93	0.039	1
1,2,3-TRICHLOROPROPANE		0.468	0.48	0.449	0.535	0.519	0.522	0.53	0.537	0.587	0.552										0.51802	7.96	0.08	1
TRANS-1,4-DICHLORO-2-BUTENE		0.74	0.506	0.536	0.558	0.562	0.587	0.601	0.58	0.643	0.623										0.593522	10.99	0.11	1
n-Propylbenzene	9.57	9.823	9.657	9.296	9.439	8.878	9.279	9.558	9.144	9.835	9.665										9.467634	3.12	0.031	1
4-ETHYLTOLUENE	7.948	8.005	7.675	7.556	7.78	7.44	7.539	7.8	7.473	8.094	7.93										7.749036	2.94	0.029	1
2-Chlorotoluene	1.66	1.996	1.912	1.823	1.922	1.775	1.767	1.832	1.804	1.913	1.869										1.842946	5.03	0.05	1
4-Chlorotoluene	5.599	5.965	5.611	5.523	5.53	5.409	5.427	5.409	5.47	5.69	5.676										5.573658	2.95	0.029	1
1,3,5-Trimethylbenzene	6.268	6.044	6.245	6.038	6.165	5.922	5.988	6.2	6.107	6.727	6.545										6.204331	3.9	0.039	1
tert-Butylbenzene	4.889	4.693	5.08	5.017	5.053	4.752	4.783	5.084	4.976	5.359	5.28										4.996985	4.2	0.042	1
1,2,4-Trimethylbenzene	6.976	6.311	6.175	6.319	6.156	5.878	6.041	6.18	6.023	6.549	6.364										6.270433	4.75	0.047	1
sec-Butylbenzene	8.224	7.781	7.871	8.247	8.195	7.946	8.03	8.135	7.882	8.738	8.571										8.147266	3.65	0.036	1
1,3-DICHLOROBENZENE	3.534	3.593	3.653	3.592	3.558	3.482	3.437	3.441	3.306	3.646	3.538										3.525402	2.92	0.029	1
p-Isopropyltoluene	6.294	6.676	6.556	6.267	6.489	6.345	6.582	6.391	6.319	6.937	7.097										6.541199	4.15	0.041	1
DICYCLOPENTADIENE	8.579	9.04	8.666	8.499	8.831	8.36	8.667	8.498	8.35	8.922	8.708										8.646979	2.55	0.026	1
8260-1,4-DICHLOROBENZENE-D4																								
1,4-DICHLOROBENZENE	1.703	1.565	1.523	1.406	1.386	1.371	1.356	1.331	1.323	1.359	1.394										1.428773	8.29	0.083	1
1,2,3-TRIMETHYLBENZENE	2.63	2.603	2.446	2.464	2.459	2.418	2.45	2.382	2.378	2.493	2.587										2.482864	3.51	0.035	1
1,2-DICHLOROBENZENE	1.343	1.402	1.327	1.267	1.272	1.269	1.253	1.261	1.248	1.276	1.279										1.290547	3.66	0.037	1
n-Butylbenzene	2.443	2.531	2.49	2.455	2.427	2.468	2.454	2.407	2.435	2.508	2.546										2.469417	1.79	0.018	1

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12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 624	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:20:09 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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-Dibromo-3-chloropropane			0.127	0.144	0.13	0.135	0.15	0.141	0.156	0.166	0.164										0.145891	9.75	0.097	1
1,2,4-Trichlorobenzene	0.84	0.848	0.806	0.758	0.795	0.763	0.768	0.728	0.761	0.852	0.938										0.805236	7.49	0.075	1
HEXACHLORO-1,3-BUTADIENE	0.456	0.458	0.441	0.428	0.436	0.403	0.407	0.393	0.406	0.453	0.497										0.43442	7.13	0.071	1
Naphthalene	2.313	2.153	1.915	1.944	1.806	1.841	1.987	1.955	2.038	2.235	2.312										2.045296	8.86	0.089	1
1,2,3-Trichlorobenzene	0.851	0.796	0.744	0.713	0.718	0.714	0.715	0.678	0.706	0.807	0.827										0.751692	7.69	0.077	1
1-Methylnaphthalene	1.262	1.049	0.917	0.912	0.897	0.951	0.969	0.929	0.975	1.157	1.118										1.012387	11.78	0.118	1
2-Methylnaphthalene	1.042	0.891	0.798	0.772	0.775	0.763	0.792	0.771	0.778	0.934	0.912										0.838919	10.97	0.11	1
AP9-PENTAFLUOROBENZENE																								
ETHANOL												0.004	0.005	0.004	0.005	0.005	0.004	0.004	0.004	0.005	0.004381	8.32	0.083	1
Bromoethane												0.412	0.426	0.42	0.412	0.391	0.385	0.395	0.383	0.395	0.402219	3.89	0.039	1
2-PROPANOL																					0	0	0	1
Methyl Acetate												0.386	0.423	0.424	0.416	0.383	0.379	0.392	0.4	0.39	0.399253	4.4	0.044	1
ACETONITRILE												0.057	0.059	0.071	0.069	0.066	0.063	0.066	0.067	0.066	0.064874	7.13	0.071	1
ALLYL CHLORIDE												0.228	0.242	0.239	0.242	0.229	0.222	0.237	0.231	0.228	0.233088	3.08	0.031	1
tert-BUTYL ALCOHOL												0.082	0.085	0.092	0.098	0.094	0.088	0.094	0.098	0.095	0.091829	6.14	0.061	1
chloroprene												0.731	0.757	0.761	0.743	0.724	0.705	0.704	0.713	0.704	0.727051	3.08	0.031	1
ETHYL TERT-BUTYL ETHER												1.456	1.555	1.541	1.54	1.511	1.436	1.468	1.407	1.426	1.482265	3.75	0.037	1
PROPIONITRILE												0.071	0.076	0.078	0.075	0.072	0.071	0.072	0.073	0.071	0.073275	3.57	0.036	1
Ethyl Acetate												0.51	0.557	0.56	0.55	0.532	0.526	0.538	0.544	0.52	0.537213	3.14	0.031	1
METHACRYLONITRILE												0.204	0.223	0.215	0.211	0.204	0.202	0.204	0.203	0.2	0.207296	3.58	0.036	1
Cyclohexane												1.224	1.282	1.259	1.244	1.178	1.173	1.185	1.141	1.146	1.203495	4.2	0.042	1
tert-butyl formate												0.309	0.327	0.338	0.332	0.335	0.327	0.33	0.323	0.326	0.327638	2.58	0.026	1

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 624	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: EPA	Released On	: 9/16/2015 3:20:09 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
ISOBUTANOL												0.029	0.034	0.033	0.034	0.034	0.032	0.035	0.035	0.034	0.033421	5.69	0.057	1
t-Amyl Alcohol												0.044	0.037	0.043	0.044	0.044	0.041	0.043	0.046	0.047	0.043316	7.36	0.074	1
TERT-AMYL METHYL ETHER												1.597	1.736	1.629	1.601	1.608	1.592	1.622	1.543	1.55	1.608648	3.47	0.035	1
AP9-1,4-DIFLUOROBENZENE																								
N-BUTANOL												0.008	0.009	0.009	0.01	0.009	0.009	0.01	0.01	0.01	0.009315	8.4	0.084	1
Methyl Cyclohexane												1.051	0.828	0.738	0.703	0.692	0.679	0.668	0.654	0.67	0.742567	17.1	1	0
2-nitropropane												0.085	0.09	0.09	0.094	0.09	0.089	0.089	0.093	0.092	0.090139	3	0.03	1
METHYL METHACRYLATE												0.282	0.315	0.326	0.322	0.312	0.311	0.31	0.313	0.321	0.312635	4.07	0.041	1
1,4-DIOXANE												0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002995	9.95	0.1	1
n-octane												0.225	0.24	0.241	0.25	0.239	0.235	0.246	0.242	0.24	0.239894	2.92	0.029	1
3,3-DIMETHYL-1-BUTANOL												0.038	0.039	0.04	0.043	0.041	0.039	0.043	0.044	0.045	0.041344	6.46	0.065	1
AP9-2-BROMO-1 -CHLOROPROPANE																								
ETHYL METHACRYLATE												1.633	2.122	2.116	2.115	2.075	2.024	2.202	2.16	2.087	2.059357	8.13	0.081	1
CIS-1,4-DICHLORO-2-BUTENE												0.542	0.6	0.616	0.605	0.604	0.604	0.641	0.638	0.603	0.605857	4.69	0.047	1
Cyclohexanone												0.451	0.529	0.521	0.486	0.493	0.473	0.503	0.517	0.503	0.497525	4.97	0.05	1
PENTACHLOROETHANE												1.103	1.207	1.172	1.158	1.175	1.189	1.285	1.195	1.206	1.187876	4.07	0.041	1
Hexachloroethane												1.189	1.459	1.403	1.466	1.41	1.437	1.557	1.455	1.48	1.42858	7.02	0.07	1
AP9-1,4-DICHLOROBENZENE-D4																								

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260SC	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SC	Released On	: 9/16/2015 3:20:35 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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				0.16	0.103	0.082	0.076	0.079	0.068	0.073	0.069										0.088783	34.79	0.999	0
DICHLORODIFLUOROMETHANE	0.569	0.514	0.527	0.533	0.526	0.516	0.513	0.504	0.509	0.514	0.501										0.520576	3.61	0.036	1
CHLOROMETHANE		0.987	0.868	0.809	0.74	0.709	0.713	0.697	0.664	0.692	0.683										0.75628	13.51	0.135	1
VINYL CHLORIDE	0.638	0.561	0.566	0.594	0.584	0.589	0.587	0.593	0.589	0.623	0.629										0.595768	4.12	0.041	1
1,3-BUTADIENE	0.429	0.313	0.306	0.416	0.376	0.398	0.419	0.409	0.4	0.419	0.426										0.391926	11.11	0.111	1
BROMOMETHANE	0.41	0.483	0.57	0.426	0.46	0.43	0.419	0.401	0.4	0.423	0.41										0.43924	11.39	0.114	1
CHLOROETHANE	0.328	0.35	0.322	0.352	0.306	0.305	0.3	0.296	0.298	0.254	0.229										0.303617	12.1	0.121	1
TRICHLOROFLUOROMETHANE	0.732	0.743	0.775	0.76	0.717	0.73	0.729	0.717	0.71	0.742	0.73										0.735035	2.6	0.026	1
DICHLOROFLUOROMETHANE	0.962	1.035	0.986	0.941	0.924	0.892	0.913	0.903	0.863	0.899	0.868										0.926049	5.6	0.056	1
ETHYL ETHER	0.389	0.312	0.37	0.363	0.346	0.342	0.352	0.331	0.324	0.345	0.334										0.346166	6.3	0.063	1
ACROLEIN		0.057	0.064	0.057	0.054	0.061	0.058	0.056	0.056	0.062	0.069										0.059401	7.8	0.078	1
1,1-DICHLOROETHENE	0.738	0.789	0.69	0.714	0.695	0.681	0.695	0.664	0.656	0.669	0.664										0.695883	5.64	0.056	1
1,1,2 -TRICHLOROTRIFLUOROETHANE	0.442	0.443	0.403	0.432	0.441	0.409	0.435	0.411	0.402	0.409	0.407										0.421258	4	0.04	1
ACETONE		0.301	0.252	0.234	0.232	0.207	0.226	0.215	0.216	0.284	0.279										0.244643	13.41	0.134	1
IODOMETHANE		1.261	1.022	0.95	0.893	0.867	0.864	0.854	0.865	0.847	0.86										0.928202	13.89	0.139	1
CARBON DISULFIDE		2.166	1.834	1.703	1.566	1.526	1.576	1.508	1.48	1.539	1.527										1.642524	12.95	0.13	1
METHYLENE CHLORIDE		0.709	0.63	0.579	0.559	0.53	0.54	0.526	0.528	0.527	0.513										0.564212	10.88	0.109	1
ACRYLONITRILE	0.202	0.177	0.181	0.185	0.187	0.184	0.196	0.189	0.187	0.196	0.189										0.188317	3.9	0.039	1
n-Hexane	0.58	0.504	0.461	0.484	0.488	0.475	0.482	0.453	0.448	0.451	0.438										0.478663	8.21	0.082	1
TRANS-1,2-DICHLOROETHENE	0.524	0.538	0.535	0.529	0.529	0.51	0.506	0.501	0.492	0.492	0.48										0.512327	3.86	0.039	1

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260SC	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SC	Released On	: 9/16/2015 3:20:35 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
METHYL TERT-BUTYL ETHER	1.362	1.37	1.267	1.311	1.339	1.267	1.343	1.292	1.269	1.297	1.29										1.309696	2.91	0.029	1
1,1-DICHLOROETHANE	1.041	1.021	1.095	1	1.017	1.004	1.008	0.973	0.966	0.955	0.94										1.001663	4.34	0.043	1
VINYL ACETATE	1.194	1.169	1.074	1.119	1.105	1.164	1.222	1.1	1.113	1.069	1.023										1.122988	5.25	0.052	1
DI-ISOPROPYL ETHER	1.877	1.889	1.965	1.912	1.915	1.904	1.936	1.888	1.835	1.848	1.848										1.892424	2.09	0.021	1
2,2-Dichloropropane	0.802	0.621	0.656	0.634	0.606	0.589	0.629	0.579	0.552	0.561	0.5										0.611741	12.56	0.126	1
CIS-1,2-DICHLOROETHENE	0.608	0.585	0.585	0.572	0.57	0.571	0.574	0.543	0.536	0.544	0.533										0.565601	4.2	0.042	1
2-BUTANONE (MEK)	0.354	0.367	0.321	0.35	0.343	0.343	0.364	0.341	0.349	0.38	0.366										0.352695	4.55	0.045	1
BROMOCHLOROMETHANE	0.356	0.369	0.337	0.352	0.335	0.327	0.343	0.332	0.327	0.333	0.323										0.339313	4.12	0.041	1
TETRAHYDROFURAN	0.216	0.183	0.163	0.19	0.175	0.17	0.176	0.171	0.164	0.192	0.181										0.180011	8.41	0.084	1
CHLOROFORM	0.963	0.983	1.005	1.002	0.959	0.936	0.969	0.929	0.902	0.913	0.895										0.950498	4.02	0.04	1
DIBROMOFLUOROMETHANE	0.623	0.615	0.623	0.621	0.606	0.592	0.605	0.591	0.585	0.585	0.583										0.602579	2.66	0.027	1
1,1,1-TRICHLOROETHANE	0.728	0.739	0.756	0.737	0.716	0.729	0.721	0.723	0.706	0.725	0.698										0.725092	2.19	0.022	1
CARBON TETRACHLORIDE	0.78	0.762	0.83	0.785	0.76	0.767	0.777	0.758	0.747	0.781	0.765										0.773771	2.86	0.029	1
1,1-Dichloropropene	0.702	0.743	0.698	0.737	0.701	0.695	0.704	0.684	0.682	0.672	0.662										0.698326	3.51	0.035	1
2,2,4-TRIMETHYLPENTANE	2.405	2.306	2.305	2.224	2.104	2.173	2.164	2.079	1.956	1.989	1.798										2.136814	8.28	0.083	1
HEPTANE	0.855	0.888	1.167	1.077	1.001	1.035	1.039	1.007	0.989	0.953	0.965										0.997805	8.6	0.086	1
BENZENE	2.479	2.378	2.327	2.214	2.158	2.12	2.076	2.03	1.994	2.027	1.967										2.161054	7.85	0.078	1
1,2-DICHLOROETHANE	0.741	0.668	0.702	0.721	0.707	0.673	0.677	0.676	0.649	0.661	0.638										0.682999	4.58	0.046	1
8260-1,4-DIFLUOROBENZENE																								
TRICHLOROETHENE	0.305	0.324	0.312	0.312	0.312	0.31	0.303	0.298	0.293	0.301	0.299										0.306217	2.83	0.028	1
1,2-DICHLOROPROPANE	0.286	0.245	0.244	0.256	0.253	0.26	0.254	0.252	0.249	0.248	0.244										0.253658	4.7	0.047	1
DIBROMOMETHANE	0.219	0.215	0.193	0.224	0.207	0.213	0.208	0.205	0.2	0.21	0.204										0.208749	4.12	0.041	1

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260SC	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SC	Released On	: 9/16/2015 3:20:35 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
BROMODICHLOROMETHANE	0.416	0.41	0.425	0.449	0.43	0.442	0.427	0.428	0.43	0.43	0.425										0.428335	2.49	0.025	1
α,a,a-Trifluorotoluene	0.526	0.536	0.521	0.534	0.518	0.539	0.514	0.503	0.508	0.496	0.48										0.515838	3.53	0.035	1
2-CHLOROETHYL VINYL ETHER	0.154	0.169	0.164	0.178	0.169	0.179	0.179	0.174	0.174	0.181	0.176										0.172411	4.61	0.046	1
CIS-1,3-DICHLOROPROPENE	0.487	0.526	0.534	0.524	0.515	0.544	0.526	0.533	0.523	0.529	0.533										0.52478	2.81	0.028	1
4-METHYL-2-PENTANONE (MIBK)	0.309	0.321	0.304	0.344	0.348	0.366	0.378	0.363	0.361	0.382	0.376										0.35017	7.91	0.079	1
TOLUENE-D8	1.205	1.217	1.201	1.209	1.149	1.182	1.162	1.145	1.144	1.128	1.12										1.169282	2.99	0.03	1
TOLUENE	1.576	1.406	1.395	1.335	1.247	1.273	1.24	1.229	1.2	1.244	1.256										1.309243	8.51	0.085	1
TRANS-1,3-DICHLOROPROPENE	0.435	0.437	0.439	0.443	0.451	0.48	0.49	0.483	0.477	0.49	0.485										0.464438	4.99	0.05	1
8260-2-BROMO-1 -CHLOROPROPANE																								
1,1,2-TRICHLOROETHANE	1.525	1.563	1.553	1.559	1.61	1.548	1.551	1.574	1.567	1.647	1.609										1.573326	2.23	0.022	1
TETRACHLOROETHENE	1.299	1.312	1.412	1.399	1.323	1.285	1.315	1.322	1.314	1.403	1.389										1.343089	3.51	0.035	1
1,3-Dichloropropane	3.058	3.036	2.78	2.725	2.871	2.689	2.663	2.667	2.722	2.789	2.672										2.788388	5.11	0.051	1
2-HEXANONE	0.727	0.689	0.704	0.73	0.832	0.791	0.875	0.889	0.917	0.984	0.957										0.826602	12.72	0.127	1
CHLORODIBROMOMETHANE	1.479	1.762	1.702	1.808	1.877	1.788	1.841	1.896	1.892	2.021	1.938										1.818577	7.86	0.079	1
1,2-DIBROMOETHANE	1.78	1.809	1.637	1.767	1.76	1.663	1.682	1.668	1.682	1.771	1.705										1.720374	3.38	0.034	1
CHLOROBENZENE	4.78	4.706	4.7	4.649	4.767	4.56	4.585	4.72	4.638	4.915	4.825										4.713279	2.23	0.022	1
1,1,1,2-TETRACHLOROETHANE	1.424	1.459	1.543	1.682	1.702	1.586	1.598	1.628	1.642	1.713	1.698										1.606815	6.1	0.061	1
ETHYLBENZENE	2.166	2.455	2.398	2.452	2.41	2.339	2.413	2.469	2.416	2.53	2.543										2.417292	4.21	0.042	1
M&P-XYLENE	3.29	2.975	3.101	3.049	3.094	2.95	3.021	3.034	3.022	3.175	3.18										3.080978	3.27	0.033	1
O-XYLENE	3.039	2.741	2.951	2.96	3.005	2.83	2.895	2.946	2.925	3.109	3.002										2.945795	3.4	0.034	1
STYRENE	4.741	4.908	4.554	4.666	4.892	4.697	4.936	5.005	4.887	5.271	5.056										4.873973	4.15	0.041	1
Bromoform	1.09	1.057	1.081	1.072	1.174	1.112	1.177	1.211	1.227	1.3	1.258										1.159967	7.14	0.071	1

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260SC	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SC	Released On	: 9/16/2015 3:20:35 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
Isopropylbenzene	7.321	7.656	7.482	7.502	7.515	7.438	7.581	7.57	7.391	8.044	7.821										7.5747	2.71	0.027	1
4-BROMOFLUOROBENZENE	2.492	2.553	2.544	2.578	2.553	2.47	2.435	2.514	2.528	2.533	2.433										2.512006	1.94	0.019	1
Bromobenzene	3.706	3.914	3.714	3.556	3.711	3.388	3.505	3.638	3.422	3.658	3.574										3.616714	4.15	0.041	1
1,1,2,2-TETRACHLOROETHANE	2.326	2.48	2.529	2.349	2.347	2.227	2.306	2.284	2.312	2.472	2.335										2.360564	3.93	0.039	1
1,2,3-TRICHLOROPROPANE		0.468	0.48	0.449	0.535	0.519	0.522	0.53	0.537	0.587	0.552										0.51802	7.96	0.08	1
TRANS-1,4-DICHLORO-2-BUTENE		0.74	0.506	0.536	0.558	0.562	0.587	0.601	0.58	0.643	0.623										0.593522	10.99	0.11	1
n-Propylbenzene	9.57	9.823	9.657	9.296	9.439	8.878	9.279	9.558	9.144	9.835	9.665										9.467634	3.12	0.031	1
4-ETHYLTOLUENE	7.948	8.005	7.675	7.556	7.78	7.44	7.539	7.8	7.473	8.094	7.93										7.749036	2.94	0.029	1
2-Chlorotoluene	1.66	1.996	1.912	1.823	1.922	1.775	1.767	1.832	1.804	1.913	1.869										1.842946	5.03	0.05	1
4-Chlorotoluene	5.599	5.965	5.611	5.523	5.53	5.409	5.427	5.409	5.47	5.69	5.676										5.573658	2.95	0.029	1
1,3,5-Trimethylbenzene	6.268	6.044	6.245	6.038	6.165	5.922	5.988	6.2	6.107	6.727	6.545										6.204331	3.9	0.039	1
tert-Butylbenzene	4.889	4.693	5.08	5.017	5.053	4.752	4.783	5.084	4.976	5.359	5.28										4.996985	4.2	0.042	1
1,2,4-Trimethylbenzene	6.976	6.311	6.175	6.319	6.156	5.878	6.041	6.18	6.023	6.549	6.364										6.270433	4.75	0.047	1
sec-Butylbenzene	8.224	7.781	7.871	8.247	8.195	7.946	8.03	8.135	7.882	8.738	8.571										8.147266	3.65	0.036	1
1,3-DICHLOROBENZENE	3.534	3.593	3.653	3.592	3.558	3.482	3.437	3.441	3.306	3.646	3.538										3.525402	2.92	0.029	1
p-Isopropyltoluene	6.294	6.676	6.556	6.267	6.489	6.345	6.582	6.391	6.319	6.937	7.097										6.541199	4.15	0.041	1
DICYCLOPENTADIENE	8.579	9.04	8.666	8.499	8.831	8.36	8.667	8.498	8.35	8.922	8.708										8.646979	2.55	0.026	1
8260-1,4-DICHLOROBENZENE-D4																								
1,4-DICHLOROBENZENE	1.703	1.565	1.523	1.406	1.386	1.371	1.356	1.331	1.323	1.359	1.394										1.428773	8.29	0.083	1
1,2,3-TRIMETHYLBENZENE	2.63	2.603	2.446	2.464	2.459	2.418	2.45	2.382	2.378	2.493	2.587										2.482864	3.51	0.035	1
1,2-DICHLOROBENZENE	1.343	1.402	1.327	1.267	1.272	1.269	1.253	1.261	1.248	1.276	1.279										1.290547	3.66	0.037	1
n-Butylbenzene	2.443	2.531	2.49	2.455	2.427	2.468	2.454	2.407	2.435	2.508	2.546										2.469417	1.79	0.018	1

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Method	: V825I15O	Review Protocol	: SC	Released On	: 9/16/2015 3:20:35 PM

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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-Dibromo-3-chloropropane			0.127	0.144	0.13	0.135	0.15	0.141	0.156	0.166	0.164										0.145891	9.75	0.097	1
1,2,4-Trichlorobenzene	0.84	0.848	0.806	0.758	0.795	0.763	0.768	0.728	0.761	0.852	0.938										0.805236	7.49	0.075	1
HEXACHLORO-1,3-BUTADIENE	0.456	0.458	0.441	0.428	0.436	0.403	0.407	0.393	0.406	0.453	0.497										0.43442	7.13	0.071	1
Naphthalene	2.313	2.153	1.915	1.944	1.806	1.841	1.987	1.955	2.038	2.235	2.312										2.045296	8.86	0.089	1
1,2,3-Trichlorobenzene	0.851	0.796	0.744	0.713	0.718	0.714	0.715	0.678	0.706	0.807	0.827										0.751692	7.69	0.077	1
1-Methylnaphthalene	1.262	1.049	0.917	0.912	0.897	0.951	0.969	0.929	0.975	1.157	1.118										1.012387	11.78	0.118	1
2-Methylnaphthalene	1.042	0.891	0.798	0.772	0.775	0.763	0.792	0.771	0.778	0.934	0.912										0.838919	10.97	0.11	1
4P9-PENTAFLUOROBENZENE																								
ETHANOL												0.004	0.005	0.004	0.005	0.005	0.004	0.004	0.004	0.005	0.004381	8.32	0.083	1
Bromoethane												0.412	0.426	0.42	0.412	0.391	0.385	0.395	0.383	0.395	0.402219	3.89	0.039	1
2-PROPANOL																					0	0	0	1
Methyl Acetate												0.386	0.423	0.424	0.416	0.383	0.379	0.392	0.4	0.39	0.399253	4.4	0.044	1
ACETONITRILE												0.057	0.059	0.071	0.069	0.066	0.063	0.066	0.067	0.066	0.064874	7.13	0.071	1
ALLYL CHLORIDE												0.228	0.242	0.239	0.242	0.229	0.222	0.237	0.231	0.228	0.233088	3.08	0.031	1
tert-BUTYL ALCOHOL												0.082	0.085	0.092	0.098	0.094	0.088	0.094	0.098	0.095	0.091829	6.14	0.061	1
chloroprene												0.731	0.757	0.761	0.743	0.724	0.705	0.704	0.713	0.704	0.727051	3.08	0.031	1
ETHYL TERT-BUTYL ETHER												1.456	1.555	1.541	1.54	1.511	1.436	1.468	1.407	1.426	1.482265	3.75	0.037	1
PROPIONITRILE												0.071	0.076	0.078	0.075	0.072	0.071	0.072	0.073	0.071	0.073275	3.57	0.036	1
Ethyl Acetate												0.51	0.557	0.56	0.55	0.532	0.526	0.538	0.544	0.52	0.537213	3.14	0.031	1
METHACRYLONITRILE												0.204	0.223	0.215	0.211	0.204	0.202	0.204	0.203	0.2	0.207296	3.58	0.036	1
Cyclohexane												1.224	1.282	1.259	1.244	1.178	1.173	1.185	1.141	1.146	1.203495	4.2	0.042	1
tert-butyl formate												0.309	0.327	0.338	0.332	0.335	0.327	0.33	0.323	0.326	0.327638	2.58	0.026	1

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260SC	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SC	Released On	: 9/16/2015 3:20:35 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
ISOBUTANOL												0.029	0.034	0.033	0.034	0.034	0.032	0.035	0.035	0.034	0.033421	5.69	0.057	1
2-Amyl Alcohol												0.044	0.037	0.043	0.044	0.044	0.041	0.043	0.046	0.047	0.043316	7.36	0.074	1
TERT-AMYL METHYL ETHER												1.597	1.736	1.629	1.601	1.608	1.592	1.622	1.543	1.55	1.608648	3.47	0.035	1
AP9-1,4-DIFLUOROBENZENE																								
N-BUTANOL												0.008	0.009	0.009	0.01	0.009	0.009	0.01	0.01	0.01	0.009315	8.4	0.084	1
Methyl Cyclohexane												1.051	0.828	0.738	0.703	0.692	0.679	0.668	0.654	0.67	0.742567	17.1	1	0
2-nitropropane												0.085	0.09	0.09	0.094	0.09	0.089	0.089	0.093	0.092	0.090139	3	0.03	1
METHYL METHACRYLATE												0.282	0.315	0.326	0.322	0.312	0.311	0.31	0.313	0.321	0.312635	4.07	0.041	1
1,4-DIOXANE												0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002995	9.95	0.1	1
n-octane												0.225	0.24	0.241	0.25	0.239	0.235	0.246	0.242	0.24	0.239894	2.92	0.029	1
3,3-DIMETHYL-1-BUTANOL												0.038	0.039	0.04	0.043	0.041	0.039	0.043	0.044	0.045	0.041344	6.46	0.065	1
AP9-2-BROMO-1 -CHLOROPROPANE																								
ETHYL METHACRYLATE												1.633	2.122	2.116	2.115	2.075	2.024	2.202	2.16	2.087	2.059357	8.13	0.081	1
CIS-1,4-DICHLORO-2-BUTENE												0.542	0.6	0.616	0.605	0.604	0.604	0.641	0.638	0.603	0.605857	4.69	0.047	1
Cyclohexanone												0.451	0.529	0.521	0.486	0.493	0.473	0.503	0.517	0.503	0.497525	4.97	0.05	1
PENTACHLOROETHANE												1.103	1.207	1.172	1.158	1.175	1.189	1.285	1.195	1.206	1.187876	4.07	0.041	1
Hexachloroethane												1.189	1.459	1.403	1.466	1.41	1.437	1.557	1.455	1.48	1.42858	7.02	0.07	1
AP9-1,4-DICHLOROBENZENE-D4																								

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 6200	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SM 20th	Released On	: 9/16/2015 3:21:03 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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				0.16	0.103	0.082	0.076	0.079	0.068	0.073	0.069										0.088783	34.79	0.999	0
DICHLORODIFLUOROMETHANE	0.569	0.514	0.527	0.533	0.526	0.516	0.513	0.504	0.509	0.514	0.501										0.520576	3.61	0.036	1
CHLOROMETHANE		0.987	0.868	0.809	0.74	0.709	0.713	0.697	0.664	0.692	0.683										0.75628	13.51	0.135	1
VINYL CHLORIDE	0.638	0.561	0.566	0.594	0.584	0.589	0.587	0.593	0.589	0.623	0.629										0.595768	4.12	0.041	1
1,3-BUTADIENE	0.429	0.313	0.306	0.416	0.376	0.398	0.419	0.409	0.4	0.419	0.426										0.391926	11.11	0.111	1
BROMOMETHANE	0.41	0.483	0.57	0.426	0.46	0.43	0.419	0.401	0.4	0.423	0.41										0.43924	11.39	0.114	1
CHLOROETHANE	0.328	0.35	0.322	0.352	0.306	0.305	0.3	0.296	0.298	0.254	0.229										0.303617	12.1	0.121	1
TRICHLOROFLUOROMETHANE	0.732	0.743	0.775	0.76	0.717	0.73	0.729	0.717	0.71	0.742	0.73										0.735035	2.6	0.026	1
DICHLOROFLUOROMETHANE	0.962	1.035	0.986	0.941	0.924	0.892	0.913	0.903	0.863	0.899	0.868										0.926049	5.6	0.056	1
ETHYL ETHER	0.389	0.312	0.37	0.363	0.346	0.342	0.352	0.331	0.324	0.345	0.334										0.346166	6.3	0.063	1
ACROLEIN		0.057	0.064	0.057	0.054	0.061	0.058	0.056	0.056	0.062	0.069										0.059401	7.8	0.078	1
1,1-DICHLOROETHENE	0.738	0.789	0.69	0.714	0.695	0.681	0.695	0.664	0.656	0.669	0.664										0.695883	5.64	0.056	1
1,1,2 -TRICHLOROTRIFLUOROETHANE	0.442	0.443	0.403	0.432	0.441	0.409	0.435	0.411	0.402	0.409	0.407										0.421258	4	0.04	1
ACETONE		0.301	0.252	0.234	0.232	0.207	0.226	0.215	0.216	0.284	0.279										0.244643	13.41	0.134	1
IODOMETHANE		1.261	1.022	0.95	0.893	0.867	0.864	0.854	0.865	0.847	0.86										0.928202	13.89	0.139	1
CARBON DISULFIDE		2.166	1.834	1.703	1.566	1.526	1.576	1.508	1.48	1.539	1.527										1.642524	12.95	0.13	1
METHYLENE CHLORIDE		0.709	0.63	0.579	0.559	0.53	0.54	0.526	0.528	0.527	0.513										0.564212	10.88	0.109	1
ACRYLONITRILE	0.202	0.177	0.181	0.185	0.187	0.184	0.196	0.189	0.187	0.196	0.189										0.188317	3.9	0.039	1
n-Hexane	0.58	0.504	0.461	0.484	0.488	0.475	0.482	0.453	0.448	0.451	0.438										0.478663	8.21	0.082	1
TRANS-1,2-DICHLOROETHENE	0.524	0.538	0.535	0.529	0.529	0.51	0.506	0.501	0.492	0.492	0.48										0.512327	3.86	0.039	1

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 6200	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SM 20th	Released On	: 9/16/2015 3:21:03 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
METHYL TERT-BUTYL ETHER	1.362	1.37	1.267	1.311	1.339	1.267	1.343	1.292	1.269	1.297	1.29										1.309696	2.91	0.029	1
1,1-DICHLOROETHANE	1.041	1.021	1.095	1	1.017	1.004	1.008	0.973	0.966	0.955	0.94										1.001663	4.34	0.043	1
VINYL ACETATE	1.194	1.169	1.074	1.119	1.105	1.164	1.222	1.1	1.113	1.069	1.023										1.122988	5.25	0.052	1
DI-ISOPROPYL ETHER	1.877	1.889	1.965	1.912	1.915	1.904	1.936	1.888	1.835	1.848	1.848										1.892424	2.09	0.021	1
2,2-Dichloropropane	0.802	0.621	0.656	0.634	0.606	0.589	0.629	0.579	0.552	0.561	0.5										0.611741	12.56	0.126	1
CIS-1,2-DICHLOROETHENE	0.608	0.585	0.585	0.572	0.57	0.571	0.574	0.543	0.536	0.544	0.533										0.565601	4.2	0.042	1
2-BUTANONE (MEK)	0.354	0.367	0.321	0.35	0.343	0.343	0.364	0.341	0.349	0.38	0.366										0.352695	4.55	0.045	1
BROMOCHLOROMETHANE	0.356	0.369	0.337	0.352	0.335	0.327	0.343	0.332	0.327	0.333	0.323										0.339313	4.12	0.041	1
TETRAHYDROFURAN	0.216	0.183	0.163	0.19	0.175	0.17	0.176	0.171	0.164	0.192	0.181										0.180011	8.41	0.084	1
CHLOROFORM	0.963	0.983	1.005	1.002	0.959	0.936	0.969	0.929	0.902	0.913	0.895										0.950498	4.02	0.04	1
DIBROMOFLUOROMETHANE	0.623	0.615	0.623	0.621	0.606	0.592	0.605	0.591	0.585	0.585	0.583										0.602579	2.66	0.027	1
1,1,1-TRICHLOROETHANE	0.728	0.739	0.756	0.737	0.716	0.729	0.721	0.723	0.706	0.725	0.698										0.725092	2.19	0.022	1
CARBON TETRACHLORIDE	0.78	0.762	0.83	0.785	0.76	0.767	0.777	0.758	0.747	0.781	0.765										0.773771	2.86	0.029	1
1,1-Dichloropropene	0.702	0.743	0.698	0.737	0.701	0.695	0.704	0.684	0.682	0.672	0.662										0.698326	3.51	0.035	1
2,2,4-TRIMETHYLPENTANE	2.405	2.306	2.305	2.224	2.104	2.173	2.164	2.079	1.956	1.989	1.798										2.136814	8.28	0.083	1
HEPTANE	0.855	0.888	1.167	1.077	1.001	1.035	1.039	1.007	0.989	0.953	0.965										0.997805	8.6	0.086	1
BENZENE	2.479	2.378	2.327	2.214	2.158	2.12	2.076	2.03	1.994	2.027	1.967										2.161054	7.85	0.078	1
1,2-DICHLOROETHANE	0.741	0.668	0.702	0.721	0.707	0.673	0.677	0.676	0.649	0.661	0.638										0.682999	4.58	0.046	1
8260-1,4-DIFLUOROBENZENE																								
TRICHLOROETHENE	0.305	0.324	0.312	0.312	0.312	0.31	0.303	0.298	0.293	0.301	0.299										0.306217	2.83	0.028	1
1,2-DICHLOROPROPANE	0.286	0.245	0.244	0.256	0.253	0.26	0.254	0.252	0.249	0.248	0.244										0.253658	4.7	0.047	1
DIBROMOMETHANE	0.219	0.215	0.193	0.224	0.207	0.213	0.208	0.205	0.2	0.21	0.204										0.208749	4.12	0.041	1

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 6200	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SM 20th	Released On	: 9/16/2015 3:21:03 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
BROMODICHLOROMETHANE	0.416	0.41	0.425	0.449	0.43	0.442	0.427	0.428	0.43	0.43	0.425										0.428335	2.49	0.025	1
α,a,a-Trifluorotoluene	0.526	0.536	0.521	0.534	0.518	0.539	0.514	0.503	0.508	0.496	0.48										0.515838	3.53	0.035	1
2-CHLOROETHYL VINYL ETHER	0.154	0.169	0.164	0.178	0.169	0.179	0.179	0.174	0.174	0.181	0.176										0.172411	4.61	0.046	1
CIS-1,3-DICHLOROPROPENE	0.487	0.526	0.534	0.524	0.515	0.544	0.526	0.533	0.523	0.529	0.533										0.52478	2.81	0.028	1
4-METHYL-2-PENTANONE (MIBK)	0.309	0.321	0.304	0.344	0.348	0.366	0.378	0.363	0.361	0.382	0.376										0.35017	7.91	0.079	1
TOLUENE-D8	1.205	1.217	1.201	1.209	1.149	1.182	1.162	1.145	1.144	1.128	1.12										1.169282	2.99	0.03	1
TOLUENE	1.576	1.406	1.395	1.335	1.247	1.273	1.24	1.229	1.2	1.244	1.256										1.309243	8.51	0.085	1
TRANS-1,3-DICHLOROPROPENE	0.435	0.437	0.439	0.443	0.451	0.48	0.49	0.483	0.477	0.49	0.485										0.464438	4.99	0.05	1
8260-2-BROMO-1 -CHLOROPROPANE																								
1,1,2-TRICHLOROETHANE	1.525	1.563	1.553	1.559	1.61	1.548	1.551	1.574	1.567	1.647	1.609										1.573326	2.23	0.022	1
TETRACHLOROETHENE	1.299	1.312	1.412	1.399	1.323	1.285	1.315	1.322	1.314	1.403	1.389										1.343089	3.51	0.035	1
1,3-Dichloropropane	3.058	3.036	2.78	2.725	2.871	2.689	2.663	2.667	2.722	2.789	2.672										2.788388	5.11	0.051	1
2-HEXANONE	0.727	0.689	0.704	0.73	0.832	0.791	0.875	0.889	0.917	0.984	0.957										0.826602	12.72	0.127	1
CHLORODIBROMOMETHANE	1.479	1.762	1.702	1.808	1.877	1.788	1.841	1.896	1.892	2.021	1.938										1.818577	7.86	0.079	1
1,2-DIBROMOETHANE	1.78	1.809	1.637	1.767	1.76	1.663	1.682	1.668	1.682	1.771	1.705										1.720374	3.38	0.034	1
CHLOROBENZENE	4.78	4.706	4.7	4.649	4.767	4.56	4.585	4.72	4.638	4.915	4.825										4.713279	2.23	0.022	1
1,1,1,2-TETRACHLOROETHANE	1.424	1.459	1.543	1.682	1.702	1.586	1.598	1.628	1.642	1.713	1.698										1.606815	6.1	0.061	1
ETHYLBENZENE	2.166	2.455	2.398	2.452	2.41	2.339	2.413	2.469	2.416	2.53	2.543										2.417292	4.21	0.042	1
M&P-XYLENE	3.29	2.975	3.101	3.049	3.094	2.95	3.021	3.034	3.022	3.175	3.18										3.080978	3.27	0.033	1
O-XYLENE	3.039	2.741	2.951	2.96	3.005	2.83	2.895	2.946	2.925	3.109	3.002										2.945795	3.4	0.034	1
STYRENE	4.741	4.908	4.554	4.666	4.892	4.697	4.936	5.005	4.887	5.271	5.056										4.873973	4.15	0.041	1
Bromoform	1.09	1.057	1.081	1.072	1.174	1.112	1.177	1.211	1.227	1.3	1.258										1.159967	7.14	0.071	1

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12065 Lebanon Rd., Mt. Juliet, TN 37122

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 6200	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SM 20th	Released On	: 9/16/2015 3:21:03 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
Isopropylbenzene	7.321	7.656	7.482	7.502	7.515	7.438	7.581	7.57	7.391	8.044	7.821										7.5747	2.71	0.027	1
4-BROMOFLUOROBENZENE	2.492	2.553	2.544	2.578	2.553	2.47	2.435	2.514	2.528	2.533	2.433										2.512006	1.94	0.019	1
Bromobenzene	3.706	3.914	3.714	3.556	3.711	3.388	3.505	3.638	3.422	3.658	3.574										3.616714	4.15	0.041	1
1,1,2,2-TETRACHLOROETHANE	2.326	2.48	2.529	2.349	2.347	2.227	2.306	2.284	2.312	2.472	2.335										2.360564	3.93	0.039	1
1,2,3-TRICHLOROPROPANE		0.468	0.48	0.449	0.535	0.519	0.522	0.53	0.537	0.587	0.552										0.51802	7.96	0.08	1
TRANS-1,4-DICHLORO-2-BUTENE		0.74	0.506	0.536	0.558	0.562	0.587	0.601	0.58	0.643	0.623										0.593522	10.99	0.11	1
n-Propylbenzene	9.57	9.823	9.657	9.296	9.439	8.878	9.279	9.558	9.144	9.835	9.665										9.467634	3.12	0.031	1
4-ETHYLTOLUENE	7.948	8.005	7.675	7.556	7.78	7.44	7.539	7.8	7.473	8.094	7.93										7.749036	2.94	0.029	1
2-Chlorotoluene	1.66	1.996	1.912	1.823	1.922	1.775	1.767	1.832	1.804	1.913	1.869										1.842946	5.03	0.05	1
4-Chlorotoluene	5.599	5.965	5.611	5.523	5.53	5.409	5.427	5.409	5.47	5.69	5.676										5.573658	2.95	0.029	1
1,3,5-Trimethylbenzene	6.268	6.044	6.245	6.038	6.165	5.922	5.988	6.2	6.107	6.727	6.545										6.204331	3.9	0.039	1
tert-Butylbenzene	4.889	4.693	5.08	5.017	5.053	4.752	4.783	5.084	4.976	5.359	5.28										4.996985	4.2	0.042	1
1,2,4-Trimethylbenzene	6.976	6.311	6.175	6.319	6.156	5.878	6.041	6.18	6.023	6.549	6.364										6.270433	4.75	0.047	1
sec-Butylbenzene	8.224	7.781	7.871	8.247	8.195	7.946	8.03	8.135	7.882	8.738	8.571										8.147266	3.65	0.036	1
1,3-DICHLOROBENZENE	3.534	3.593	3.653	3.592	3.558	3.482	3.437	3.441	3.306	3.646	3.538										3.525402	2.92	0.029	1
p-Isopropyltoluene	6.294	6.676	6.556	6.267	6.489	6.345	6.582	6.391	6.319	6.937	7.097										6.541199	4.15	0.041	1
DICYCLOPENTADIENE	8.579	9.04	8.666	8.499	8.831	8.36	8.667	8.498	8.35	8.922	8.708										8.646979	2.55	0.026	1
8260-1,4-DICHLOROBENZENE-D4																								
1,4-DICHLOROBENZENE	1.703	1.565	1.523	1.406	1.386	1.371	1.356	1.331	1.323	1.359	1.394										1.428773	8.29	0.083	1
1,2,3-TRIMETHYLBENZENE	2.63	2.603	2.446	2.464	2.459	2.418	2.45	2.382	2.378	2.493	2.587										2.482864	3.51	0.035	1
1,2-DICHLOROBENZENE	1.343	1.402	1.327	1.267	1.272	1.269	1.253	1.261	1.248	1.276	1.279										1.290547	3.66	0.037	1
n-Butylbenzene	2.443	2.531	2.49	2.455	2.427	2.468	2.454	2.407	2.435	2.508	2.546										2.469417	1.79	0.018	1

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 6200	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SM 20th	Released On	: 9/16/2015 3:21:03 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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-Dibromo-3-chloropropane			0.127	0.144	0.13	0.135	0.15	0.141	0.156	0.166	0.164										0.145891	9.75	0.097	1
1,2,4-Trichlorobenzene	0.84	0.848	0.806	0.758	0.795	0.763	0.768	0.728	0.761	0.852	0.938										0.805236	7.49	0.075	1
HEXACHLORO-1,3-BUTADIENE	0.456	0.458	0.441	0.428	0.436	0.403	0.407	0.393	0.406	0.453	0.497										0.43442	7.13	0.071	1
Naphthalene	2.313	2.153	1.915	1.944	1.806	1.841	1.987	1.955	2.038	2.235	2.312										2.045296	8.86	0.089	1
1,2,3-Trichlorobenzene	0.851	0.796	0.744	0.713	0.718	0.714	0.715	0.678	0.706	0.807	0.827										0.751692	7.69	0.077	1
1-Methylnaphthalene	1.262	1.049	0.917	0.912	0.897	0.951	0.969	0.929	0.975	1.157	1.118										1.012387	11.78	0.118	1
2-Methylnaphthalene	1.042	0.891	0.798	0.772	0.775	0.763	0.792	0.771	0.778	0.934	0.912										0.838919	10.97	0.11	1
AP9-PENTAFLUOROBENZENE																								
ETHANOL												0.004	0.005	0.004	0.005	0.005	0.004	0.004	0.004	0.005	0.004381	8.32	0.083	1
Bromoethane												0.412	0.426	0.42	0.412	0.391	0.385	0.395	0.383	0.395	0.402219	3.89	0.039	1
2-PROPANOL																					0	0	0	1
Methyl Acetate												0.386	0.423	0.424	0.416	0.383	0.379	0.392	0.4	0.39	0.399253	4.4	0.044	1
ACETONITRILE												0.057	0.059	0.071	0.069	0.066	0.063	0.066	0.067	0.066	0.064874	7.13	0.071	1
ALLYL CHLORIDE												0.228	0.242	0.239	0.242	0.229	0.222	0.237	0.231	0.228	0.233088	3.08	0.031	1
tert-BUTYL ALCOHOL												0.082	0.085	0.092	0.098	0.094	0.088	0.094	0.098	0.095	0.091829	6.14	0.061	1
chloroprene												0.731	0.757	0.761	0.743	0.724	0.705	0.704	0.713	0.704	0.727051	3.08	0.031	1
ETHYL TERT-BUTYL ETHER												1.456	1.555	1.541	1.54	1.511	1.436	1.468	1.407	1.426	1.482265	3.75	0.037	1
PROPIONITRILE												0.071	0.076	0.078	0.075	0.072	0.071	0.072	0.073	0.071	0.073275	3.57	0.036	1
Ethyl Acetate												0.51	0.557	0.56	0.55	0.532	0.526	0.538	0.544	0.52	0.537213	3.14	0.031	1
METHACRYLONITRILE												0.204	0.223	0.215	0.211	0.204	0.202	0.204	0.203	0.2	0.207296	3.58	0.036	1
Cyclohexane												1.224	1.282	1.259	1.244	1.178	1.173	1.185	1.141	1.146	1.203495	4.2	0.042	1
tert-butyl formate												0.309	0.327	0.338	0.332	0.335	0.327	0.33	0.323	0.326	0.327638	2.58	0.026	1

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 6200	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SM 20th	Released On	: 9/16/2015 3:21:03 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
ISOBUTANOL												0.029	0.034	0.033	0.034	0.034	0.032	0.035	0.035	0.034	0.033421	5.69	0.057	1
2-Amyl Alcohol												0.044	0.037	0.043	0.044	0.044	0.041	0.043	0.046	0.047	0.043316	7.36	0.074	1
TERT-AMYL METHYL ETHER												1.597	1.736	1.629	1.601	1.608	1.592	1.622	1.543	1.55	1.608648	3.47	0.035	1
AP9-1,4-DIFLUOROBENZENE																								
N-BUTANOL												0.008	0.009	0.009	0.01	0.009	0.009	0.01	0.01	0.01	0.009315	8.4	0.084	1
Methyl Cyclohexane												1.051	0.828	0.738	0.703	0.692	0.679	0.668	0.654	0.67	0.742567	17.1	1	0
2-nitropropane												0.085	0.09	0.09	0.094	0.09	0.089	0.089	0.093	0.092	0.090139	3	0.03	1
METHYL METHACRYLATE												0.282	0.315	0.326	0.322	0.312	0.311	0.31	0.313	0.321	0.312635	4.07	0.041	1
1,4-DIOXANE												0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002995	9.95	0.1	1
n-octane												0.225	0.24	0.241	0.25	0.239	0.235	0.246	0.242	0.24	0.239894	2.92	0.029	1
3,3-DIMETHYL-1-BUTANOL												0.038	0.039	0.04	0.043	0.041	0.039	0.043	0.044	0.045	0.041344	6.46	0.065	1
AP9-2-BROMO-1 -CHLOROPROPANE																								
ETHYL METHACRYLATE												1.633	2.122	2.116	2.115	2.075	2.024	2.202	2.16	2.087	2.059357	8.13	0.081	1
CIS-1,4-DICHLORO-2-BUTENE												0.542	0.6	0.616	0.605	0.604	0.604	0.641	0.638	0.603	0.605857	4.69	0.047	1
Cyclohexanone												0.451	0.529	0.521	0.486	0.493	0.473	0.503	0.517	0.503	0.497525	4.97	0.05	1
PENTACHLOROETHANE												1.103	1.207	1.172	1.158	1.175	1.189	1.285	1.195	1.206	1.187876	4.07	0.041	1
Hexachloroethane												1.189	1.459	1.403	1.466	1.41	1.437	1.557	1.455	1.48	1.42858	7.02	0.07	1
AP9-1,4-DICHLOROBENZENE-D4																								

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260C	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:31 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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				0.16	0.103	0.082	0.076	0.079	0.068	0.073	0.069										0.088783	34.79	0.999	0	
DICHLORODIFLUOROMETHANE	0.569	0.514	0.527	0.533	0.526	0.516	0.513	0.504	0.509	0.514	0.501										0.520576	3.61	0.036	1	0.1
CHLOROMETHANE		0.987	0.868	0.809	0.74	0.709	0.713	0.697	0.664	0.692	0.683										0.75628	13.51	0.135	1	0.1
VINYL CHLORIDE	0.638	0.561	0.566	0.594	0.584	0.589	0.587	0.593	0.589	0.623	0.629										0.595768	4.12	0.041	1	0.1
1,3-BUTADIENE	0.429	0.313	0.306	0.416	0.376	0.398	0.419	0.409	0.4	0.419	0.426										0.391926	11.11	0.111	1	
BROMOMETHANE	0.41	0.483	0.57	0.426	0.46	0.43	0.419	0.401	0.4	0.423	0.41										0.43924	11.39	0.114	1	0.1
CHLOROETHANE	0.328	0.35	0.322	0.352	0.306	0.305	0.3	0.296	0.298	0.254	0.229										0.303617	12.1	0.121	1	0.1
TRICHLOROFLUOROMETHANE	0.732	0.743	0.775	0.76	0.717	0.73	0.729	0.717	0.71	0.742	0.73										0.735035	2.6	0.026	1	0.1
DICHLOROFLUOROMETHANE	0.962	1.035	0.986	0.941	0.924	0.892	0.913	0.903	0.863	0.899	0.868										0.926049	5.6	0.056	1	
ETHYL ETHER	0.389	0.312	0.37	0.363	0.346	0.342	0.352	0.331	0.324	0.345	0.334										0.346166	6.3	0.063	1	
ACROLEIN		0.057	0.064	0.057	0.054	0.061	0.058	0.056	0.056	0.062	0.069										0.059401	7.8	0.078	1	
1,1-DICHLOROETHENE	0.738	0.789	0.69	0.714	0.695	0.681	0.695	0.664	0.656	0.669	0.664										0.695883	5.64	0.056	1	0.1
1,1,2 -TRICHLOROTRIFLUOROETHANE	0.442	0.443	0.403	0.432	0.441	0.409	0.435	0.411	0.402	0.409	0.407										0.421258	4	0.04	1	0.1
ACETONE		0.301	0.252	0.234	0.232	0.207	0.226	0.215	0.216	0.284	0.279										0.244643	13.41	0.134	1	0.1
IODOMETHANE		1.261	1.022	0.95	0.893	0.867	0.864	0.854	0.865	0.847	0.86										0.928202	13.89	0.139	1	
CARBON DISULFIDE		2.166	1.834	1.703	1.566	1.526	1.576	1.508	1.48	1.539	1.527										1.642524	12.95	0.13	1	0.1
METHYLENE CHLORIDE		0.709	0.63	0.579	0.559	0.53	0.54	0.526	0.528	0.527	0.513										0.564212	10.88	0.109	1	0.1
ACRYLONITRILE	0.202	0.177	0.181	0.185	0.187	0.184	0.196	0.189	0.187	0.196	0.189										0.188317	3.9	0.039	1	
n-Hexane	0.58	0.504	0.461	0.484	0.488	0.475	0.482	0.453	0.448	0.451	0.438										0.478663	8.21	0.082	1	
TRANS-1,2-DICHLOROETHENE	0.524	0.538	0.535	0.529	0.529	0.51	0.506	0.501	0.492	0.492	0.48										0.512327	3.86	0.039	1	0.1

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260C	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:31 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
METHYL TERT-BUTYL ETHER	1.362	1.37	1.267	1.311	1.339	1.267	1.343	1.292	1.269	1.297	1.29										1.309696	2.91	0.029	1	0.1
1,1-DICHLOROETHANE	1.041	1.021	1.095	1	1.017	1.004	1.008	0.973	0.966	0.955	0.94										1.001663	4.34	0.043	1	0.2
VINYL ACETATE	1.194	1.169	1.074	1.119	1.105	1.164	1.222	1.1	1.113	1.069	1.023										1.122988	5.25	0.052	1	
DI-ISOPROPYL ETHER	1.877	1.889	1.965	1.912	1.915	1.904	1.936	1.888	1.835	1.848	1.848										1.892424	2.09	0.021	1	
2,2-Dichloropropane	0.802	0.621	0.656	0.634	0.606	0.589	0.629	0.579	0.552	0.561	0.5										0.611741	12.56	0.126	1	
CIS-1,2-DICHLOROETHENE	0.608	0.585	0.585	0.572	0.57	0.571	0.574	0.543	0.536	0.544	0.533										0.565601	4.2	0.042	1	0.1
2-BUTANONE (MEK)	0.354	0.367	0.321	0.35	0.343	0.343	0.364	0.341	0.349	0.38	0.366										0.352695	4.55	0.045	1	0.1
BROMOCHLOROMETHANE	0.356	0.369	0.337	0.352	0.335	0.327	0.343	0.332	0.327	0.333	0.323										0.339313	4.12	0.041	1	
TETRAHYDROFURAN	0.216	0.183	0.163	0.19	0.175	0.17	0.176	0.171	0.164	0.192	0.181										0.180011	8.41	0.084	1	
CHLOROFORM	0.963	0.983	1.005	1.002	0.959	0.936	0.969	0.929	0.902	0.913	0.895										0.950498	4.02	0.04	1	0.2
DIBROMOFLUOROMETHANE	0.623	0.615	0.623	0.621	0.606	0.592	0.605	0.591	0.585	0.585	0.583										0.602579	2.66	0.027	1	
1,1,1-TRICHLOROETHANE	0.728	0.739	0.756	0.737	0.716	0.729	0.721	0.723	0.706	0.725	0.698										0.725092	2.19	0.022	1	0.1
CARBON TETRACHLORIDE	0.78	0.762	0.83	0.785	0.76	0.767	0.777	0.758	0.747	0.781	0.765										0.773771	2.86	0.029	1	0.1
1,1-Dichloropropene	0.702	0.743	0.698	0.737	0.701	0.695	0.704	0.684	0.682	0.672	0.662										0.698326	3.51	0.035	1	
2,2,4-TRIMETHYLPENTANE	2.405	2.306	2.305	2.224	2.104	2.173	2.164	2.079	1.956	1.989	1.798										2.136814	8.28	0.083	1	
HEPTANE	0.855	0.888	1.167	1.077	1.001	1.035	1.039	1.007	0.989	0.953	0.965										0.997805	8.6	0.086	1	
BENZENE	2.479	2.378	2.327	2.214	2.158	2.12	2.076	2.03	1.994	2.027	1.967										2.161054	7.85	0.078	1	0.5
1,2-DICHLOROETHANE	0.741	0.668	0.702	0.721	0.707	0.673	0.677	0.676	0.649	0.661	0.638										0.682999	4.58	0.046	1	0.1
8260-1,4-DIFLUOROBENZENE																									
TRICHLOROETHENE	0.305	0.324	0.312	0.312	0.312	0.31	0.303	0.298	0.293	0.301	0.299										0.306217	2.83	0.028	1	0.2
1,2-DICHLOROPROPANE	0.286	0.245	0.244	0.256	0.253	0.26	0.254	0.252	0.249	0.248	0.244										0.253658	4.7	0.047	1	0.1
DIBROMOMETHANE	0.219	0.215	0.193	0.224	0.207	0.213	0.208	0.205	0.2	0.21	0.204										0.208749	4.12	0.041	1	

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INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260C	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:31 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
BROMODICHLOROMETHANE	0.416	0.41	0.425	0.449	0.43	0.442	0.427	0.428	0.43	0.43	0.425										0.428335	2.49	0.025	1	0.2
α,a,a-Trifluorotoluene	0.526	0.536	0.521	0.534	0.518	0.539	0.514	0.503	0.508	0.496	0.48										0.515838	3.53	0.035	1	
-CHLOROETHYL VINYL ETHER	0.154	0.169	0.164	0.178	0.169	0.179	0.179	0.174	0.174	0.181	0.176										0.172411	4.61	0.046	1	
CIS-1,3-DICHLOROPROPENE	0.487	0.526	0.534	0.524	0.515	0.544	0.526	0.533	0.523	0.529	0.533										0.52478	2.81	0.028	1	0.2
4-METHYL-2-PENTANONE (MIBK)	0.309	0.321	0.304	0.344	0.348	0.366	0.378	0.363	0.361	0.382	0.376										0.35017	7.91	0.079	1	0.1
TOLUENE-D8	1.205	1.217	1.201	1.209	1.149	1.182	1.162	1.145	1.144	1.128	1.12										1.169282	2.99	0.03	1	
TOLUENE	1.576	1.406	1.395	1.335	1.247	1.273	1.24	1.229	1.2	1.244	1.256										1.309243	8.51	0.085	1	0.4
TRANS-1,3-DICHLOROPROPENE	0.435	0.437	0.439	0.443	0.451	0.48	0.49	0.483	0.477	0.49	0.485										0.464438	4.99	0.05	1	0.1
8260-2-BROMO-1 -CHLOROPROPANE																									
1,1,2-TRICHLOROETHANE	1.525	1.563	1.553	1.559	1.61	1.548	1.551	1.574	1.567	1.647	1.609										1.573326	2.23	0.022	1	0.1
TETRACHLOROETHENE	1.299	1.312	1.412	1.399	1.323	1.285	1.315	1.322	1.314	1.403	1.389										1.343089	3.51	0.035	1	0.2
1,3-Dichloropropane	3.058	3.036	2.78	2.725	2.871	2.689	2.663	2.667	2.722	2.789	2.672										2.788388	5.11	0.051	1	
2-HEXANONE	0.727	0.689	0.704	0.73	0.832	0.791	0.875	0.889	0.917	0.984	0.957										0.826602	12.72	0.127	1	0.1
CHLORODIBROMOMETHANE	1.479	1.762	1.702	1.808	1.877	1.788	1.841	1.896	1.892	2.021	1.938										1.818577	7.86	0.079	1	0.1
1,2-DIBROMOETHANE	1.78	1.809	1.637	1.767	1.76	1.663	1.682	1.668	1.682	1.771	1.705										1.720374	3.38	0.034	1	0.1
CHLOROBENZENE	4.78	4.706	4.7	4.649	4.767	4.56	4.585	4.72	4.638	4.915	4.825										4.713279	2.23	0.022	1	0.5
1,1,1,2-TETRACHLOROETHANE	1.424	1.459	1.543	1.682	1.702	1.586	1.598	1.628	1.642	1.713	1.698										1.606815	6.1	0.061	1	
ETHYLBENZENE	2.166	2.455	2.398	2.452	2.41	2.339	2.413	2.469	2.416	2.53	2.543										2.417292	4.21	0.042	1	0.1
M&P-XYLENE	3.29	2.975	3.101	3.049	3.094	2.95	3.021	3.034	3.022	3.175	3.18										3.080978	3.27	0.033	1	0.1
O-XYLENE	3.039	2.741	2.951	2.96	3.005	2.83	2.895	2.946	2.925	3.109	3.002										2.945795	3.4	0.034	1	0.3
STYRENE	4.741	4.908	4.554	4.666	4.892	4.697	4.936	5.005	4.887	5.271	5.056										4.873973	4.15	0.041	1	0.3
Bromoform	1.09	1.057	1.081	1.072	1.174	1.112	1.177	1.211	1.227	1.3	1.258										1.159967	7.14	0.071	1	0.1

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260C	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:31 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
Isopropylbenzene	7.321	7.656	7.482	7.502	7.515	7.438	7.581	7.57	7.391	8.044	7.821										7.5747	2.71	0.027	1	0.1
4-BROMOFLUOROBENZENE	2.492	2.553	2.544	2.578	2.553	2.47	2.435	2.514	2.528	2.533	2.433										2.512006	1.94	0.019	1	
Bromobenzene	3.706	3.914	3.714	3.556	3.711	3.388	3.505	3.638	3.422	3.658	3.574										3.616714	4.15	0.041	1	
1,1,2,2-TETRACHLOROETHANE	2.326	2.48	2.529	2.349	2.347	2.227	2.306	2.284	2.312	2.472	2.335										2.360564	3.93	0.039	1	0.3
1,2,3-TRICHLOROPROPANE		0.468	0.48	0.449	0.535	0.519	0.522	0.53	0.537	0.587	0.552										0.51802	7.96	0.08	1	
TRANS-1,4-DICHLORO-2-BUTENE		0.74	0.506	0.536	0.558	0.562	0.587	0.601	0.58	0.643	0.623										0.593522	10.99	0.11	1	
n-Propylbenzene	9.57	9.823	9.657	9.296	9.439	8.878	9.279	9.558	9.144	9.835	9.665										9.467634	3.12	0.031	1	
4-ETHYLTOLUENE	7.948	8.005	7.675	7.556	7.78	7.44	7.539	7.8	7.473	8.094	7.93										7.749036	2.94	0.029	1	
2-Chlorotoluene	1.66	1.996	1.912	1.823	1.922	1.775	1.767	1.832	1.804	1.913	1.869										1.842946	5.03	0.05	1	
4-Chlorotoluene	5.599	5.965	5.611	5.523	5.53	5.409	5.427	5.409	5.47	5.69	5.676										5.573658	2.95	0.029	1	
1,3,5-Trimethylbenzene	6.268	6.044	6.245	6.038	6.165	5.922	5.988	6.2	6.107	6.727	6.545										6.204331	3.9	0.039	1	
tert-Butylbenzene	4.889	4.693	5.08	5.017	5.053	4.752	4.783	5.084	4.976	5.359	5.28										4.996985	4.2	0.042	1	
1,2,4-Trimethylbenzene	6.976	6.311	6.175	6.319	6.156	5.878	6.041	6.18	6.023	6.549	6.364										6.270433	4.75	0.047	1	
sec-Butylbenzene	8.224	7.781	7.871	8.247	8.195	7.946	8.03	8.135	7.882	8.738	8.571										8.147266	3.65	0.036	1	
1,3-DICHLOROBENZENE	3.534	3.593	3.653	3.592	3.558	3.482	3.437	3.441	3.306	3.646	3.538										3.525402	2.92	0.029	1	0.6
p-Isopropyltoluene	6.294	6.676	6.556	6.267	6.489	6.345	6.582	6.391	6.319	6.937	7.097										6.541199	4.15	0.041	1	
DICYCLOPENTADIENE	8.579	9.04	8.666	8.499	8.831	8.36	8.667	8.498	8.35	8.922	8.708										8.646979	2.55	0.026	1	
8260-1,4-DICHLOROBENZENE-D4																									
1,4-DICHLOROBENZENE	1.703	1.565	1.523	1.406	1.386	1.371	1.356	1.331	1.323	1.359	1.394										1.428773	8.29	0.083	1	
1,2,3-TRIMETHYLBENZENE	2.63	2.603	2.446	2.464	2.459	2.418	2.45	2.382	2.378	2.493	2.587										2.482864	3.51	0.035	1	
1,2-DICHLOROBENZENE	1.343	1.402	1.327	1.267	1.272	1.269	1.253	1.261	1.248	1.276	1.279										1.290547	3.66	0.037	1	0.4
n-Butylbenzene	2.443	2.531	2.49	2.455	2.427	2.468	2.454	2.407	2.435	2.508	2.546										2.469417	1.79	0.018	1	

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260C	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:31 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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-Dibromo-3-chloropropane			0.127	0.144	0.13	0.135	0.15	0.141	0.156	0.166	0.164										0.145891	9.75	0.097	1	0.05
1,2,4-Trichlorobenzene	0.84	0.848	0.806	0.758	0.795	0.763	0.768	0.728	0.761	0.852	0.938										0.805236	7.49	0.075	1	0.2
HEXACHLORO-1,3-BUTADIENE	0.456	0.458	0.441	0.428	0.436	0.403	0.407	0.393	0.406	0.453	0.497										0.43442	7.13	0.071	1	
Naphthalene	2.313	2.153	1.915	1.944	1.806	1.841	1.987	1.955	2.038	2.235	2.312										2.045296	8.86	0.089	1	
1,2,3-Trichlorobenzene	0.851	0.796	0.744	0.713	0.718	0.714	0.715	0.678	0.706	0.807	0.827										0.751692	7.69	0.077	1	
1-Methylnaphthalene	1.262	1.049	0.917	0.912	0.897	0.951	0.969	0.929	0.975	1.157	1.118										1.012387	11.78	0.118	1	
2-Methylnaphthalene	1.042	0.891	0.798	0.772	0.775	0.763	0.792	0.771	0.778	0.934	0.912										0.838919	10.97	0.11	1	
AP9-PENTAFLUOROBENZENE																									
ETHANOL												0.004	0.005	0.004	0.005	0.005	0.004	0.004	0.004	0.005	0.004381	8.32	0.083	1	
Bromoethane												0.412	0.426	0.42	0.412	0.391	0.385	0.395	0.383	0.395	0.402219	3.89	0.039	1	
2-PROPANOL																					0	0	0	1	
Methyl Acetate												0.386	0.423	0.424	0.416	0.383	0.379	0.392	0.4	0.39	0.399253	4.4	0.044	1	0.1
ACETONITRILE												0.057	0.059	0.071	0.069	0.066	0.063	0.066	0.067	0.066	0.064874	7.13	0.071	1	
ALLYL CHLORIDE												0.228	0.242	0.239	0.242	0.229	0.222	0.237	0.231	0.228	0.233088	3.08	0.031	1	
tert-BUTYL ALCOHOL												0.082	0.085	0.092	0.098	0.094	0.088	0.094	0.098	0.095	0.091829	6.14	0.061	1	
chloroprene												0.731	0.757	0.761	0.743	0.724	0.705	0.704	0.713	0.704	0.727051	3.08	0.031	1	
ETHYL TERT-BUTYL ETHER												1.456	1.555	1.541	1.54	1.511	1.436	1.468	1.407	1.426	1.482265	3.75	0.037	1	
PROPIONITRILE												0.071	0.076	0.078	0.075	0.072	0.071	0.072	0.073	0.071	0.073275	3.57	0.036	1	
Ethyl Acetate												0.51	0.557	0.56	0.55	0.532	0.526	0.538	0.544	0.52	0.537213	3.14	0.031	1	
METHACRYLONITRILE												0.204	0.223	0.215	0.211	0.204	0.202	0.204	0.203	0.2	0.207296	3.58	0.036	1	
Cyclohexane												1.224	1.282	1.259	1.244	1.178	1.173	1.185	1.141	1.146	1.203495	4.2	0.042	1	0.1
tert-butyl formate												0.309	0.327	0.338	0.332	0.335	0.327	0.33	0.323	0.326	0.327638	2.58	0.026	1	

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

INITIAL CALIBRATION SUMMARY

Instrument ID	: VOCMS25	Review Method	: 8260C	Released By	: John A. Heath Jr.
Method	: V825I15O	Review Protocol	: SW846	Released On	: 9/16/2015 3:21:31 PM

INITIAL CALIBRATION SUMMARY(C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic) -- V825I15O -- ICal Updated Time: Wed Sep 16 15:00:05 2015

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
ISOBUTANOL												0.029	0.034	0.033	0.034	0.034	0.032	0.035	0.035	0.034	0.033421	5.69	0.057	1	
2-Amyl Alcohol												0.044	0.037	0.043	0.044	0.044	0.041	0.043	0.046	0.047	0.043316	7.36	0.074	1	
TERT-AMYL METHYL ETHER												1.597	1.736	1.629	1.601	1.608	1.592	1.622	1.543	1.55	1.608648	3.47	0.035	1	
AP9-1,4-DIFLUOROBENZENE																									
N-BUTANOL												0.008	0.009	0.009	0.01	0.009	0.009	0.01	0.01	0.01	0.009315	8.4	0.084	1	
Methyl Cyclohexane												1.051	0.828	0.738	0.703	0.692	0.679	0.668	0.654	0.67	0.742567	17.1	1	0	0.1
2-nitropropane												0.085	0.09	0.09	0.094	0.09	0.089	0.089	0.093	0.092	0.090139	3	0.03	1	
METHYL METHACRYLATE												0.282	0.315	0.326	0.322	0.312	0.311	0.31	0.313	0.321	0.312635	4.07	0.041	1	
1,4-DIOXANE												0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002995	9.95	0.1	1	
n-octane												0.225	0.24	0.241	0.25	0.239	0.235	0.246	0.242	0.24	0.239894	2.92	0.029	1	
3,3-DIMETHYL-1-BUTANOL												0.038	0.039	0.04	0.043	0.041	0.039	0.043	0.044	0.045	0.041344	6.46	0.065	1	
AP9-2-BROMO-1 -CHLOROPROPANE																									
ETHYL METHACRYLATE												1.633	2.122	2.116	2.115	2.075	2.024	2.202	2.16	2.087	2.059357	8.13	0.081	1	
CIS-1,4-DICHLORO-2-BUTENE												0.542	0.6	0.616	0.605	0.604	0.604	0.641	0.638	0.603	0.605857	4.69	0.047	1	
Cyclohexanone												0.451	0.529	0.521	0.486	0.493	0.473	0.503	0.517	0.503	0.497525	4.97	0.05	1	
PENTACHLOROETHANE												1.103	1.207	1.172	1.158	1.175	1.189	1.285	1.195	1.206	1.187876	4.07	0.041	1	
Hexachloroethane												1.189	1.459	1.403	1.466	1.41	1.437	1.557	1.455	1.48	1.42858	7.02	0.07	1	
AP9-1,4-DICHLOROBENZENE-D4																									

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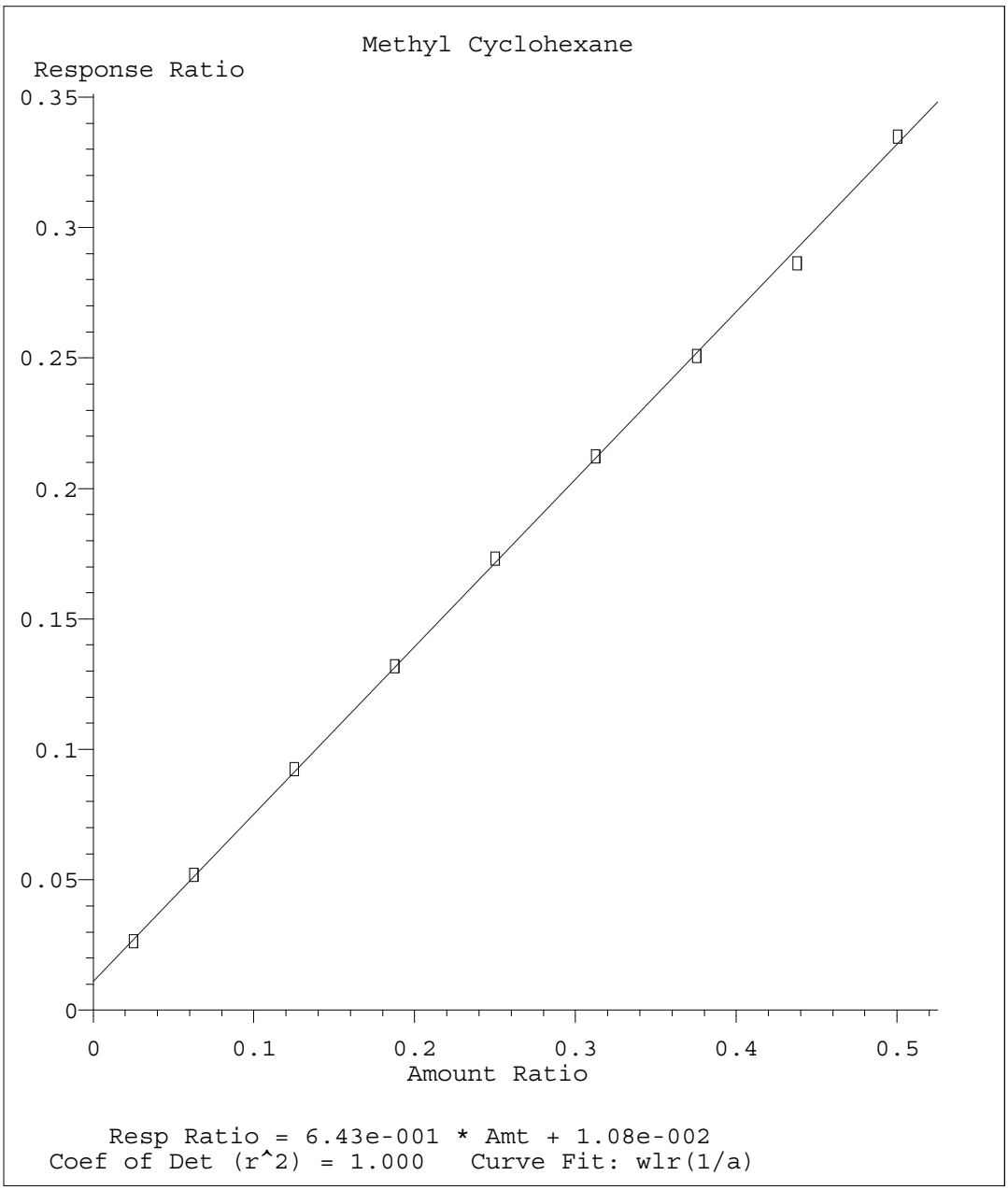
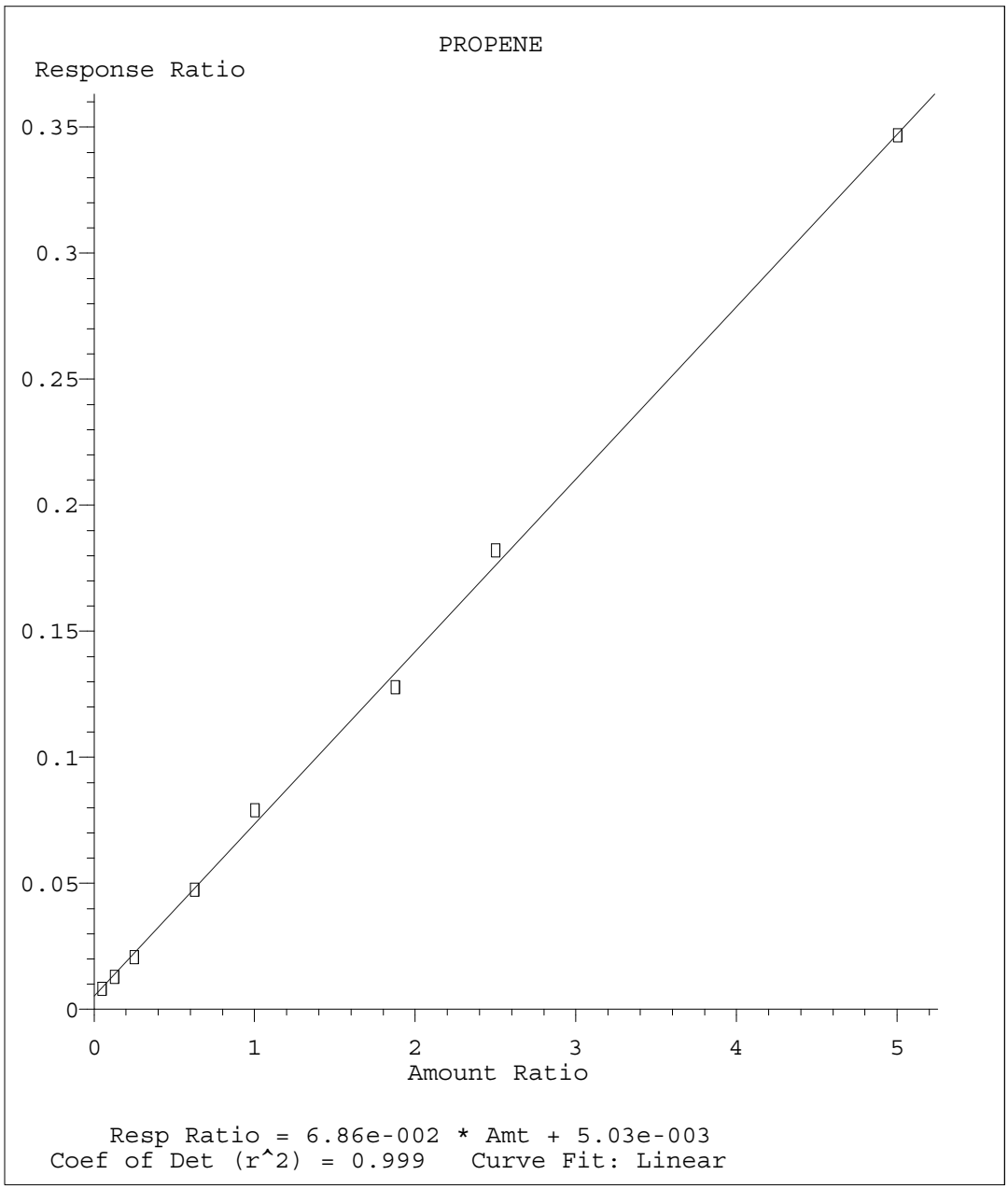


Method Name: C:\msdchem\1\methods\V825I15O.M



Method Name: C:\msdchem\1\methods\V825I15O.M

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 01A.D
Acq On : 15 Sep 2015 11:00 am
Operator : 621
Sample : INSTBLK
Misc : water IS/SURR15A20860
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 15:15:29 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

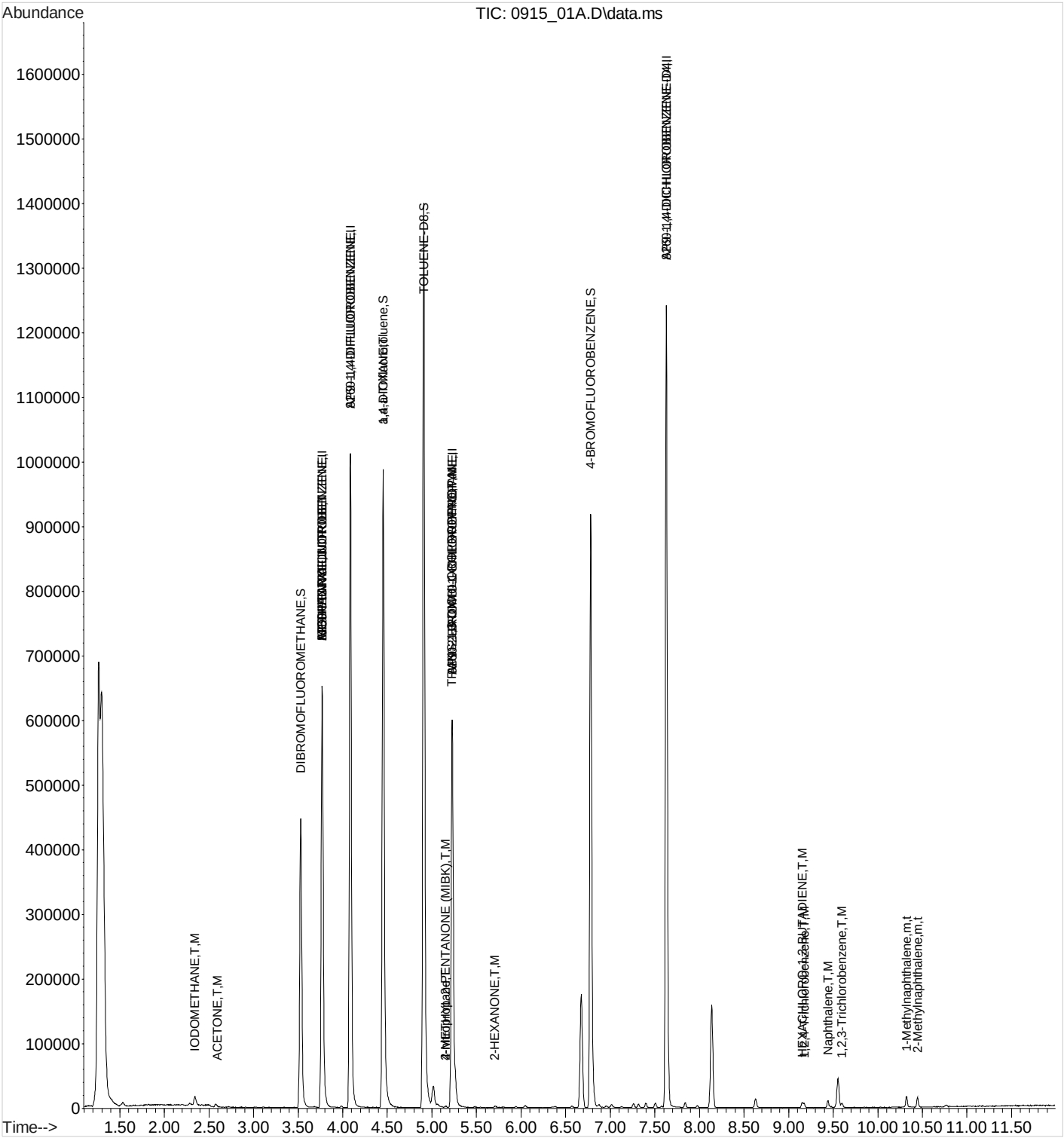
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.768	168	367944	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.087	114	677171	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.228	79	116019	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	297473	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.768	168	367944	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.087	114	677171	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.228	79	116019	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.630	152	297473	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.527	111	238643	43.0539552	ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 107.63%			
46) a,a,a-Trifluorotoluene	4.453	146	365096	41.8076523	ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 104.52%			
50) TOLUENE-D8	4.910	98	826085	41.7317969	ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 104.33%			
68) 4-BROMOFLUOROBENZENE	6.781	95	300067	41.1839882	ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 102.96%			
Target Compounds						Qvalue
3) PROPENE	1.344	41	1218	Below Cal	#	73
16) ACETONE	2.592	43	1685	0.7487643	ppb #	43
17) IODOMETHANE	2.341	142	14049	1.6454370	ppb	98
49) 4-METHYL-2-PENTANONE (...	5.154	43	1803	0.3041437	ppb	90
52) TRANS-1,3-DICHLOROPROPENE	5.225	75	5906	0.7511516	ppb #	1
57) 2-HEXANONE	5.704	58	963	0.4016620	ppb	88
90) 1,2,4-Trichlorobenzene	9.173	180	2358	0.3937611	ppb	93
91) HEXACHLORO-1,3-BUTADIENE	9.154	225	1483	0.4590326	ppb	92
92) Naphthalene	9.440	128	7616	0.5007065	ppb	96
93) 1,2,3-Trichlorobenzene	9.598	180	2234	0.3996277	ppb #	88
94) 1-Methylnaphthalene	10.324	142	8696	1.1550090	ppb	90
95) 2-Methylnaphthalene	10.447	142	6496	1.0412105	ppb	96
108) METHACRYLONITRILE	3.768	67	1178	0.6177773	ppb #	1
111) ISOBUTANOL	3.768	43	564	1.8345909	ppb #	1
116) Methyl Cyclohexane	4.087	83	6852	Below Cal	#	39
117) 2-nitropropane	5.154	43	1803	1.1815329	ppb #	17
119) 1,4-DIOXANE	4.453	88	4286	84.5355184	ppb #	16

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 01A.D
Acq On : 15 Sep 2015 11:00 am
Operator : 621
Sample : INSTBLK
Misc : water IS/SURR15A20860
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 15:15:29 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 01A.D
Acq On : 15 Sep 2015 11:00 am
Operator : 621
Sample : INSTBLK
Misc : water IS/SURR15A20860
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 15:15:29 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

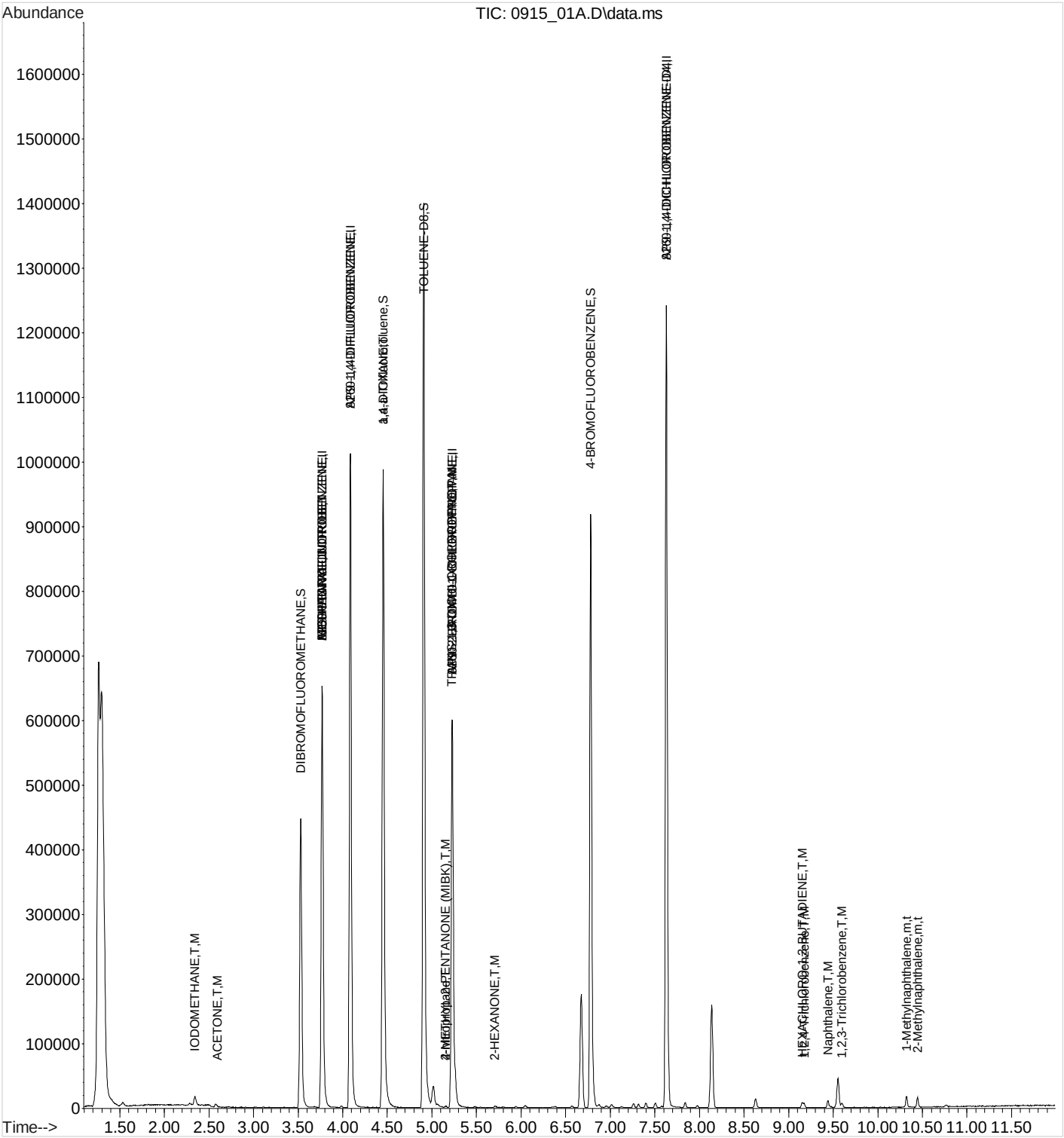
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.768	168	367944	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.087	114	677171	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.228	79	116019	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	297473	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.768	168	367944	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.087	114	677171	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.228	79	116019	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.630	152	297473	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.527	111	238643	43.0539552	ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 107.63%			
46) a,a,a-Trifluorotoluene	4.453	146	365096	41.8076523	ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 104.52%			
50) TOLUENE-D8	4.910	98	826085	41.7317969	ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 104.33%			
68) 4-BROMOFLUOROBENZENE	6.781	95	300067	41.1839882	ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 102.96%			
Target Compounds						Qvalue
3) PROPENE	1.344	41	1218	Below Cal	#	73
16) ACETONE	2.592	43	1685	0.7487643	ppb #	43
17) IODOMETHANE	2.341	142	14049	1.6454370	ppb	98
49) 4-METHYL-2-PENTANONE (...	5.154	43	1803	0.3041437	ppb	90
52) TRANS-1,3-DICHLOROPROPENE	5.225	75	5906	0.7511516	ppb #	1
57) 2-HEXANONE	5.704	58	963	0.4016620	ppb	88
90) 1,2,4-Trichlorobenzene	9.173	180	2358	0.3937611	ppb	93
91) HEXACHLORO-1,3-BUTADIENE	9.154	225	1483	0.4590326	ppb	92
92) Naphthalene	9.440	128	7616	0.5007065	ppb	96
93) 1,2,3-Trichlorobenzene	9.598	180	2234	0.3996277	ppb #	88
94) 1-Methylnaphthalene	10.324	142	8696	1.1550090	ppb	90
95) 2-Methylnaphthalene	10.447	142	6496	1.0412105	ppb	96
108) METHACRYLONITRILE	3.768	67	1178	0.6177773	ppb #	1
111) ISOBUTANOL	3.768	43	564	1.8345909	ppb #	1
116) Methyl Cyclohexane	4.087	83	6852	Below Cal	#	39
117) 2-nitropropane	5.154	43	1803	1.1815329	ppb #	17
119) 1,4-DIOXANE	4.453	88	4286	84.5355184	ppb #	16

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 01A.D
Acq On : 15 Sep 2015 11:00 am
Operator : 621
Sample : INSTBLK
Misc : water IS/SURR15A20860
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 15:15:29 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration



V825I15O.M Wed Sep 16 15:15:33 2015 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 18AB.D
Acq On : 15 Sep 2015 4:11 pm
Operator : 621
Sample : RL VMS 1a ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 15:00:49 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.775	168	410595	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	692748	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	117003	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	308564	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.775	168	410595	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.090	114	692748	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.231	79	117003	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.630	152	308564	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.534	111	236155	38.1794413	ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 95.45%			
46) a,a,a-Trifluorotoluene	4.460	146	372698	41.7185147	ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 104.30%			
50) TOLUENE-D8	4.913	98	842758	41.6167635	ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 104.04%			
68) 4-BROMOFLUOROBENZENE	6.784	95	299272	40.7294337	ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 101.82%			
Target Compounds						Qvalue
3) PROPENE	1.344	41	1546	Below Cal	#	89
16) ACETONE	2.592	43	1952	0.7773079	ppb #	43
17) IODOMETHANE	2.344	142	3328	0.3492909	ppb #	88
20) ACRYLONITRILE	2.993	53	37532	19.4159146	ppb #	50
31) TETRAHYDROFURAN	3.479	42	2834	1.5337251	ppb #	33
37) 2,2,4-TRIMETHYLPENTANE	3.672	57	26317	1.1998197	ppb #	1
38) HEPTANE	3.672	43	4002	0.3907310	ppb #	1
52) TRANS-1,3-DICHLOROPROPENE	5.231	75	5421	0.6739639	ppb #	1
72) TRANS-1,4-DICHLORO-2-B...	7.058	53	822	0.4734762	ppb #	25
78) tert-Butylbenzene	7.283	119	16266	1.1128476	ppb #	31
91) HEXACHLORO-1,3-BUTADIENE	9.154	225	1144	0.3413742	ppb	96
92) Naphthalene	9.443	128	6717	0.4257297	ppb #	94
93) 1,2,3-Trichlorobenzene	9.601	180	2480	0.4276874	ppb	93
94) 1-Methylnaphthalene	10.324	142	7278	0.9319233	ppb	98
95) 2-Methylnaphthalene	10.447	142	7675	1.1859687	ppb	98
97) ETHANOL	2.202	45	3631	80.7418963	ppb #	48
98) Bromoethane	2.405	108	4232	1.0250141	ppb	83
100) Methyl Acetate	2.662	43	79231	19.3327313	ppb #	100
101) ACETONITRILE	2.849	41	29232	43.8969126	ppb	94
102) ALLYL CHLORIDE	2.521	76	11689	4.8854403	ppb	97
103) tert-BUTYL ALCOHOL	2.752	59	4231	4.4885905	ppb #	89
104) chloroprene	2.993	53	37532	5.0290196	ppb	100
105) ETHYL TERT-BUTYL ETHER	3.119	59	14946	0.9823030	ppb	98
106) PROPIONITRILE	3.752	54	36673	48.7572184	ppb #	82
107) Ethyl Acetate	3.479	43	52342	9.4918343	ppb	99
108) METHACRYLONITRILE	3.768	67	104664	49.1871951	ppb	99
109) Cyclohexane	3.428	56	12566	1.0171829	ppb	96
110) tert-butyl formate	3.675	59	31718	9.4310084	ppb	93
111) ISOBUTANOL	3.829	43	29601	86.2848553	ppb	93
112) t-Amyl Alcohol	3.891	59	2275	5.1165542	ppb	96
113) TERT-AMYL METHYL ETHER	3.813	73	16389	0.9925166	ppb	81
115) N-BUTANOL	4.222	56	26393	163.5974291	ppb	98
116) Methyl Cyclohexane	4.096	83	18194	0.9641405	ppb #	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 18AB.D
Acq On : 15 Sep 2015 4:11 pm
Operator : 621
Sample : RL VMS 1a ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 15:00:49 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

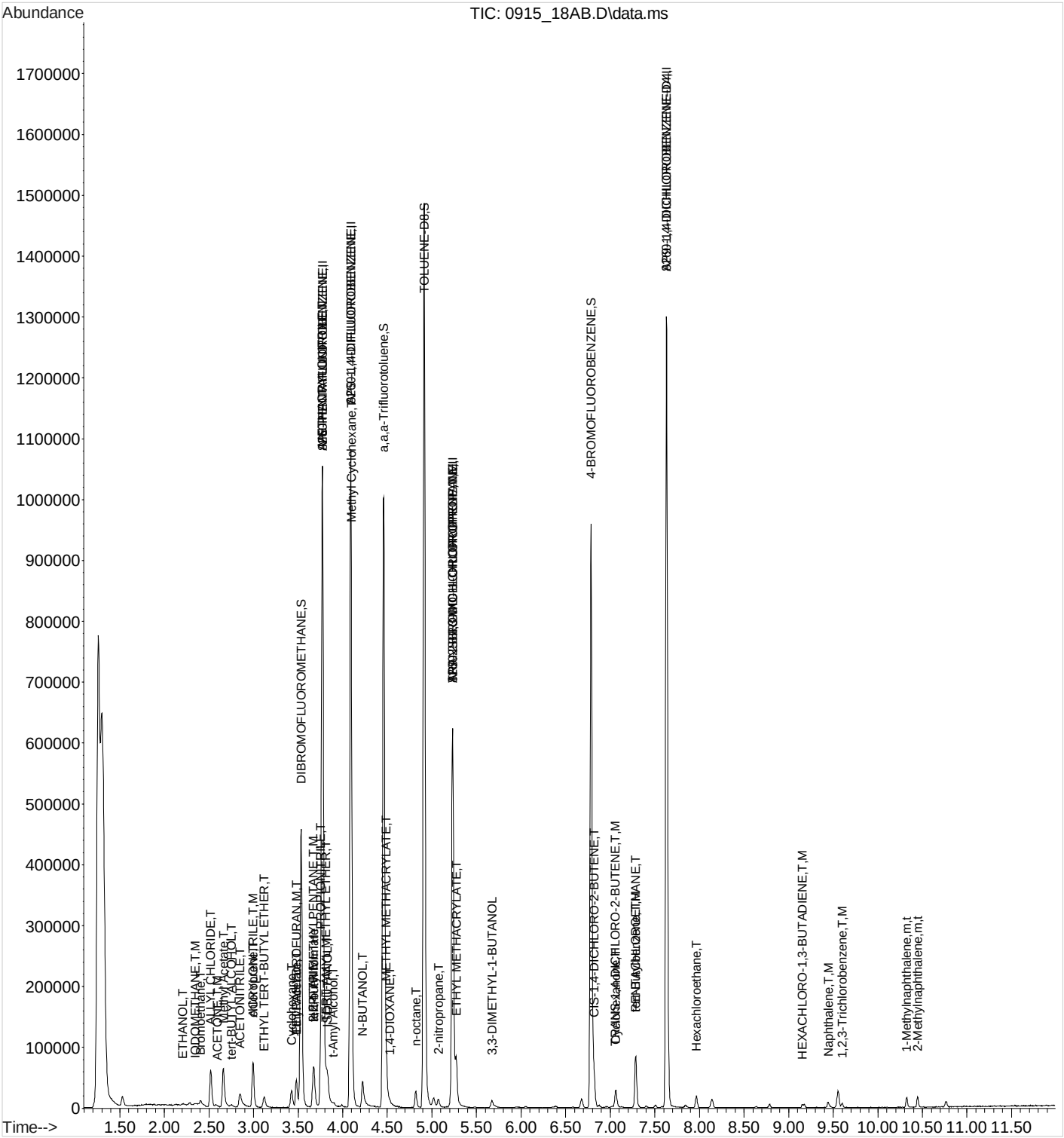
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
117) 2-nitropropane	5.074	43	7344	4.7044172 ppb		88
118) METHYL METHACRYLATE	4.485	41	24443	4.5144174 ppb	#	33
119) 1,4-DIOXANE	4.530	88	3935	75.8673406 ppb	#	89
120) n-octane	4.820	85	3900	0.9387084 ppb		92
121) 3,3-DIMETHYL-1-BUTANOL	5.675	57	6534	9.1253204 ppb		91
123) ETHYL METHACRYLATE	5.276	69	23887	3.9654552 ppb	#	36
124) CIS-1,4-DICHLORO-2-BUTENE	6.816	53	7931	4.4752828 ppb	#	19
125) Cyclohexanone	7.061	55	13199	9.0696274 ppb		97
126) PENTACHLOROETHANE	7.283	117	16133	4.6430875 ppb		98
127) Hexachloroethane	7.964	117	3479	0.8325546 ppb		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 18AB.D
Acq On : 15 Sep 2015 4:11 pm
Operator : 621
Sample : RL VMS 1a ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 15:00:49 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 16A.D
Acq On : 15 Sep 2015 3:34 pm
Operator : 621
Sample : SSCV VMS 25 ppb 15I04620
Misc : water IS/SURR15A20860
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:43:37 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:36:30 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.775	168	399885	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	683850	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	114151	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	307551	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.775	168	399885	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.090	114	683850	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.231	79	114151	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.630	152	307551	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.534	111	239963	39.8341220 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 99.59%		
46) a,a,a-Trifluorotoluene	4.460	146	368716	41.8098095 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 104.52%		
50) TOLUENE-D8	4.913	98	850542	42.5476534 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 106.37%		
68) 4-BROMOFLUOROBENZENE	6.784	95	303939	42.3980607 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 106.00%		
Target Compounds					Qvalue
3) PROPENE	1.354	41	12464	15.2433489 ppb	99
4) DICHLORODIFLUOROMETHANE	1.389	85	121306	23.3089667 ppb	98
5) CHLOROMETHANE	1.521	50	170458	22.5454987 ppb	100
6) VINYL CHLORIDE	1.588	62	143452	24.0854234 ppb	98
7) 1,3-BUTADIENE	1.592	39	94781	24.1903211 ppb	96
8) BROMOMETHANE	1.797	94	99487	22.6563122 ppb	98
9) CHLOROETHANE	1.878	64	76072	25.0624549 ppb	98
10) TRICHLOROFLUOROMETHANE	1.961	101	175331	23.8602885 ppb	99
11) DICHLOROFLUOROMETHANE	1.993	67	219860	23.7485451 ppb	100
12) ETHYL ETHER	2.132	59	84423	24.3950052 ppb	99
13) ACROLEIN	2.434	56	77586	130.6505542 ppb	96
14) 1,1-DICHLOROETHENE	2.257	61	166242	23.8962356 ppb	99
15) 1,1,2-TRICHLOROTRIFLUO...	2.289	101	107446	25.5133209 ppb	98
16) ACETONE	2.595	43	374064	152.9458618 ppb	100
17) IODOMETHANE	2.344	142	1055683	113.7669180 ppb	100
18) CARBON DISULFIDE	2.286	76	387678	23.6093608 ppb	99
19) METHYLENE CHLORIDE	2.575	84	134573	23.8583517 ppb	98
20) ACRYLONITRILE	3.016	53	250859	133.2491275 ppb	99
21) n-Hexane	2.717	56	117921	24.6425753 ppb	93
22) TRANS-1,2-DICHLOROETHENE	2.672	96	125452	24.4937232 ppb	98
23) METHYL TERT-BUTYL ETHER	2.723	73	321511	24.5555827 ppb	99
24) 1,1-DICHLOROETHANE	3.003	63	248132	24.7791271 ppb	98
25) VINYL ACETATE	3.119	43	1348013	120.0726321 ppb	100
26) DI-ISOPROPYL ETHER	2.923	45	472102	24.9541232 ppb	99
27) 2,2-Dichloropropane	3.357	77	147632	24.1400148 ppb	98
28) CIS-1,2-DICHLOROETHENE	3.296	96	138788	24.5452032 ppb	100
29) 2-BUTANONE (MEK)	3.588	43	469392	133.1253571 ppb	99
30) BROMOCHLOROMETHANE	3.402	130	82942	24.4511046 ppb	100
31) TETRAHYDROFURAN	3.530	42	46665	25.9308936 ppb	97
32) CHLOROFORM	3.434	83	236359	24.8740128 ppb	100
34) 1,1,1-TRICHLOROETHANE	3.563	97	177723	24.5174658 ppb	99
35) CARBON TETRACHLORIDE	3.534	117	194854	25.1896326 ppb	99
36) 1,1-Dichloropropene	3.630	75	174806	25.0393439 ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 16A.D
Acq On : 15 Sep 2015 3:34 pm
Operator : 621
Sample : SSCV VMS 25 ppb 15I04620
Misc : water IS/SURR15A20860
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:43:37 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:36:30 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.685	57	534227	25.0082890 ppb		98
38)	HEPTANE	3.733	43	252552	25.3180432 ppb		97
39)	BENZENE	3.765	78	505548	23.4003101 ppb		99
40)	1,2-DICHLOROETHANE	3.868	62	165736	24.2728896 ppb		99
42)	TRICHLOROETHENE	4.090	130	130656	24.9573971 ppb		99
43)	1,2-DICHLOROPROPANE	4.386	62	109310	25.2064093 ppb		99
44)	DIBROMOMETHANE	4.331	93	87400	24.4898762 ppb		97
45)	BROMODICHLOROMETHANE	4.415	83	181346	24.7641595 ppb		99
47)	2-CHLOROETHYL VINYL ETHER	4.736	63	351776	119.3442612 ppb		100
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	223376	24.8976522 ppb		100
49)	4-METHYL-2-PENTANONE (...	5.157	43	751090	125.4621228 ppb		100
51)	TOLUENE	4.945	91	531213	23.7327221 ppb		99
52)	TRANS-1,3-DICHLOROPROPENE	5.189	75	205958	25.9388269 ppb		99
54)	1,1,2-TRICHLOROETHANE	5.299	97	114764	25.5603806 ppb		99
55)	TETRACHLOROETHENE	5.202	164	94087	24.5473815 ppb		97
56)	1,3-Dichloropropane	5.479	76	193773	24.3512012 ppb		99
57)	2-HEXANONE	5.701	58	320541	135.8837201 ppb		99
58)	CHLORODIBROMOMETHANE	5.424	129	136432	26.2884420 ppb		99
59)	1,2-DIBROMOETHANE	5.591	107	122723	24.9967326 ppb		100
60)	CHLOROBENZENE	5.939	112	344420	25.6062194 ppb		100
61)	1,1,1,2-TETRACHLOROETHANE	5.977	133	115822	25.2583843 ppb	#	99
62)	ETHYLBENZENE	5.948	106	180302	26.1367553 ppb		100
63)	M&P-XYLENE	6.045	106	439087	49.9392727 ppb		100
64)	O-XYLENE	6.350	106	215624	25.6492585 ppb		100
65)	STYRENE	6.386	104	372996	26.8164526 ppb		99
66)	Bromoform	6.411	173	88101	26.6143211 ppb		99
67)	Isopropylbenzene	6.572	105	547397	25.3231227 ppb		99
69)	Bromobenzene	6.868	77	260583	25.2471363 ppb		99
70)	1,1,2,2-TETRACHLOROETHANE	6.916	83	171555	25.4664221 ppb		98
71)	1,2,3-TRICHLOROPROPANE	7.025	110	39883	26.9787132 ppb		100
72)	TRANS-1,4-DICHLORO-2-B...	7.048	53	45885	27.0903331 ppb		96
73)	n-Propylbenzene	6.878	91	688355	25.4771765 ppb		99
74)	4-ETHYLTOLUENE	6.958	105	554109	25.0569261 ppb		100
75)	2-Chlorotoluene	7.003	126	135643	25.7908196 ppb		82
76)	4-Chlorotoluene	7.125	91	408859	25.7047595 ppb		99
77)	1,3,5-Trimethylbenzene	7.019	105	467938	26.4285674 ppb		98
78)	tert-Butylbenzene	7.263	119	374252	26.2443798 ppb		99
79)	1,2,4-Trimethylbenzene	7.315	105	454914	25.4221366 ppb		99
80)	sec-Butylbenzene	7.402	105	596758	25.6664993 ppb		100
81)	1,3-DICHLOROBENZENE	7.575	146	254739	25.3201993 ppb		100
82)	p-Isopropyltoluene	7.508	119	476155	25.5076977 ppb		99
83)	DICYCLOPENTADIENE	7.501	66	591147	23.9558386 ppb		100
85)	1,4-DICHLOROBENZENE	7.643	146	258714	23.5504631 ppb		98
86)	1,2,3-TRIMETHYLBENZENE	7.656	105	467197	24.4731536 ppb		99
87)	1,2-DICHLOROBENZENE	7.974	146	247755	24.9684465 ppb		99
88)	n-Butylbenzene	7.839	91	482386	25.4063953 ppb		100
89)	1,2-Dibromo-3-chloropr...	8.607	157	30379	27.0825174 ppb		98
90)	1,2,4-Trichlorobenzene	9.173	180	150963	24.3831560 ppb		100
91)	HEXACHLORO-1,3-BUTADIENE	9.154	225	82282	24.6341502 ppb		98
92)	Naphthalene	9.440	128	401663	25.5416249 ppb		99
93)	1,2,3-Trichlorobenzene	9.598	180	142162	24.5972414 ppb		99
94)	1-Methylnaphthalene	10.321	142	206965	26.5884575 ppb		99
95)	2-Methylnaphthalene	10.447	142	168113	26.0629901 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 16A.D
Acq On : 15 Sep 2015 3:34 pm
Operator : 621
Sample : SSCV VMS 25 ppb 15I04620
Misc : water IS/SURR15A20860
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:43:37 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:36:30 2015
Response via : Initial Calibration

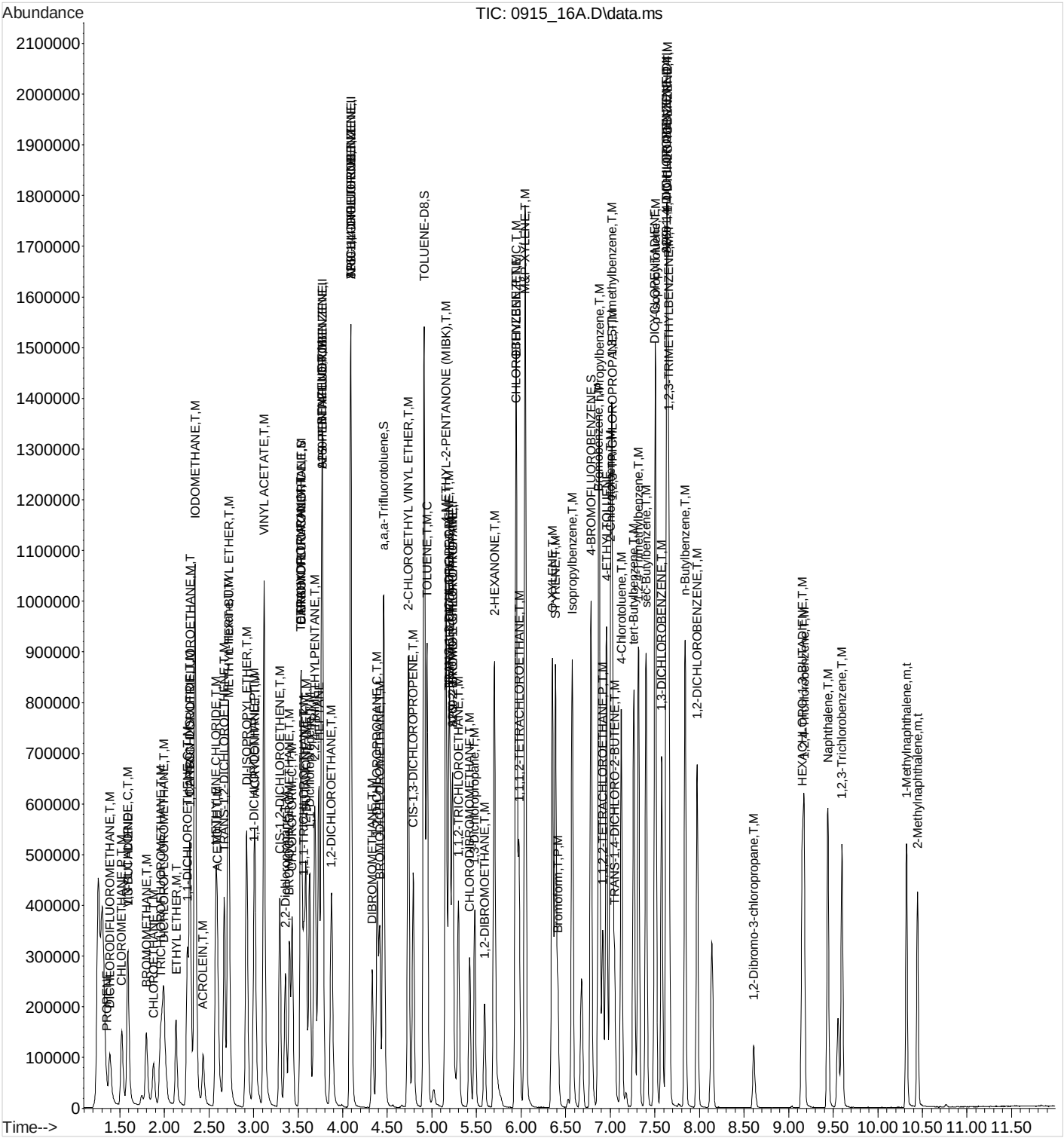
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 16A.D
Acq On : 15 Sep 2015 3:34 pm
Operator : 621
Sample : SSCV VMS 25 ppb 15I04620
Misc : water IS/SURR15A20860
ALS Vial : 16 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:43:37 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:36:30 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 28A.D
Acq On : 15 Sep 2015 7:13 pm
Operator : 621
Sample : SSCV VMS 10a ppb 15H19752
Misc : water IS/SURR15A20860
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 15:01:53 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.775	168	394415	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	622194	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	106187	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	288154	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	3.775	168	394415	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.090	114	622194	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.231	79	106187	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.630	152	288154	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.534	111	218809	36.8262789 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 92.07%		
46) a,a,a-Trifluorotoluene	4.456	146	342126	42.6390301 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 106.60%		
50) TOLUENE-D8	4.913	98	752521	41.3745711 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 103.44%		
68) 4-BROMOFLUOROBENZENE	6.784	95	277170	41.5636954 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 103.91%		

Target Compounds					Qvalue
3) PROPENE	1.341	41	1082	Below Cal	96
5) CHLOROMETHANE	1.527	50	3964	0.5315667 ppb #	73
16) ACETONE	2.591	43	1232	0.5107216 ppb #	43
20) ACRYLONITRILE	2.993	53	363535	195.7774229 ppb #	50
24) 1,1-DICHLOROETHANE	2.993	63	5643	0.5713404 ppb #	42
25) VINYL ACETATE	3.119	43	12888	1.1639040 ppb #	81
31) TETRAHYDROFURAN	3.476	42	32209	18.1461771 ppb #	33
32) CHLOROFORM	3.424	83	5503	0.5871579 ppb #	57
37) 2,2,4-TRIMETHYLPENTANE	3.672	57	256632	12.1800941 ppb #	1
38) HEPTANE	3.672	43	48378	4.9170987 ppb #	1
42) TRICHLOROETHENE	4.090	130	3427	0.7194806 ppb #	66
49) 4-METHYL-2-PENTANONE (...	5.070	43	74059	13.5967004 ppb #	38
52) TRANS-1,3-DICHLOROPROPENE	5.231	75	5485	0.7592474 ppb #	1
55) TETRACHLOROETHENE	5.202	164	13414	3.7622030 ppb	98
57) 2-HEXANONE	5.672	58	2959	1.3484572 ppb #	1
61) 1,1,1,2-TETRACHLOROETHANE	5.980	133	2134	0.5002848 ppb #	99
69) Bromobenzene	6.816	77	32675	3.4032199 ppb #	26
70) 1,1,2,2-TETRACHLOROETHANE	7.064	83	11947	1.9064779 ppb #	24
72) TRANS-1,4-DICHLORO-2-B...	7.058	53	7395	4.6934280 ppb #	53
73) n-Propylbenzene	6.816	91	12802	0.5093602 ppb #	68
78) tert-Butylbenzene	7.286	119	149023	11.2339854 ppb #	31
97) ETHANOL	2.209	45	35572	823.4575451 ppb #	96
98) Bromoethane	2.405	108	39602	9.9853093 ppb	99
100) Methyl Acetate	2.659	43	798611	202.8586816 ppb #	99
101) ACETONITRILE	2.849	41	296575	463.6286002 ppb	96
102) ALLYL CHLORIDE	2.518	76	116312	50.6070598 ppb	99
103) tert-BUTYL ALCOHOL	2.755	59	39104	43.1865368 ppb	95
104) chloroprene	2.993	53	363535	50.7093542 ppb	100
105) ETHYL TERT-BUTYL ETHER	3.119	59	141705	9.6954033 ppb	99
106) PROPIONITRILE	3.749	54	368983	510.6920225 ppb	99
107) Ethyl Acetate	3.476	43	561870	106.0708170 ppb	99
108) METHACRYLONITRILE	3.765	67	1026763	502.3254388 ppb	100
109) Cyclohexane	3.427	56	116606	9.8261441 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 28A.D
Acq On : 15 Sep 2015 7:13 pm
Operator : 621
Sample : SSCV VMS 10a ppb 15H19752
Misc : water IS/SURR15A20860
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 15:01:53 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration

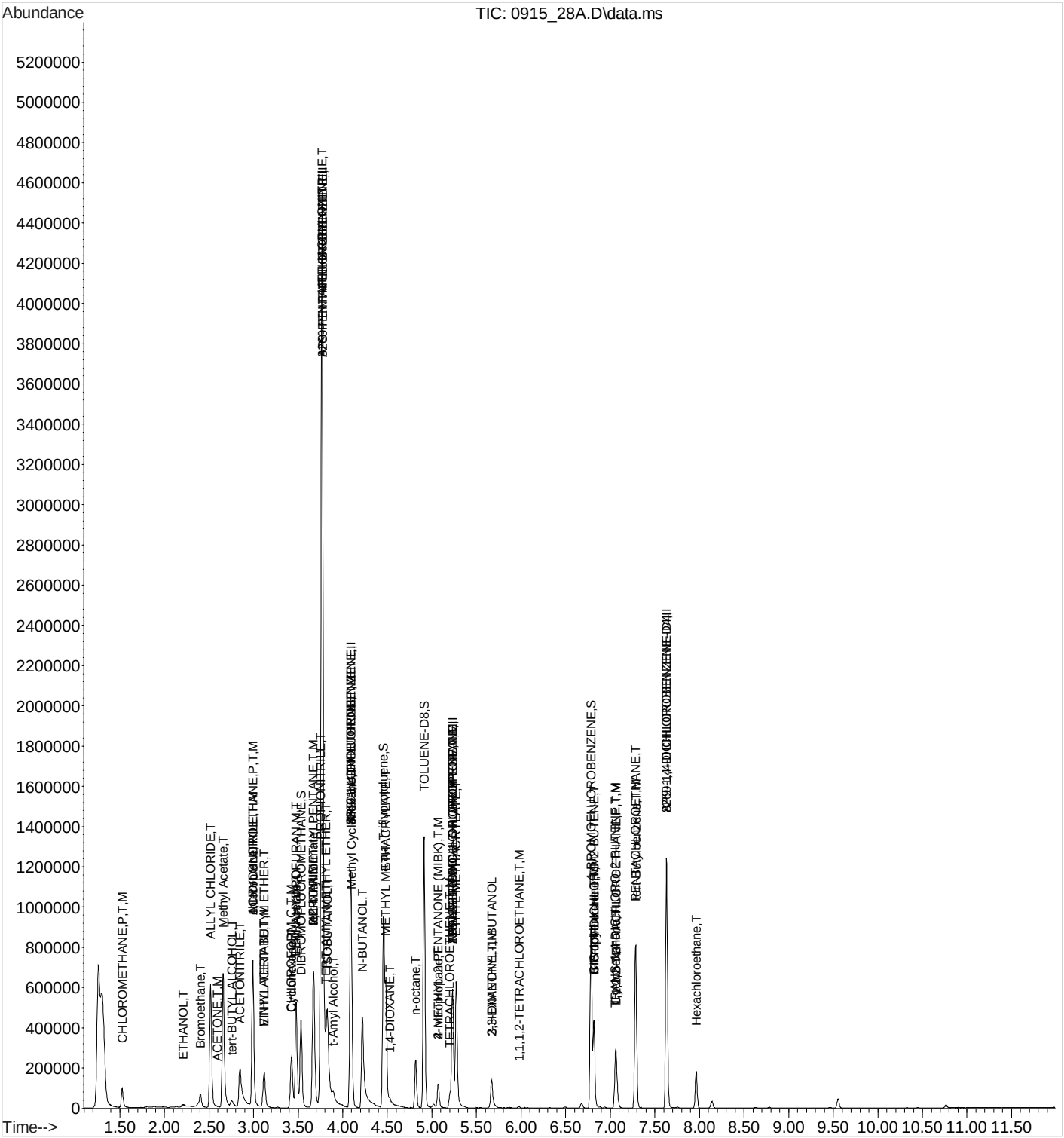
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110)	tert-butyl formate	3.672	59	326193	100.9688024	ppb		98
111)	ISOBUTANOL	3.829	43	293728	891.3202504	ppb	#	81
112)	t-Amyl Alcohol	3.894	59	18906	44.2645510	ppb		92
113)	TERT-AMYL METHYL ETHER	3.810	73	155866	9.8264571	ppb		85
115)	N-BUTANOL	4.222	56	316260	2182.6366589	ppb		97
116)	Methyl Cyclohexane	4.099	83	108035	10.1372553	ppb		99
117)	2-nitropropane	5.070	43	74059	52.8202515	ppb		97
118)	METHYL METHACRYLATE	4.482	41	252507	51.9242328	ppb		95
119)	1,4-DIOXANE	4.530	88	39520	848.3528477	ppb	#	80
120)	n-octane	4.816	85	36831	9.8702710	ppb		98
121)	3,3-DIMETHYL-1-BUTANOL	5.669	57	69740	108.4427187	ppb		98
123)	ETHYL METHACRYLATE	5.273	69	284076	51.9626905	ppb		97
124)	CIS-1,4-DICHLORO-2-BUTENE	6.816	53	79414	49.3759261	ppb		98
125)	Cyclohexanone	7.061	55	132092	100.0116474	ppb		100
126)	PENTACHLOROETHANE	7.283	117	155815	49.4113419	ppb		100
127)	Hexachloroethane	7.964	117	38477	10.1457730	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 28A.D
Acq On : 15 Sep 2015 7:13 pm
Operator : 621
Sample : SSCV VMS 10a ppb 15H19752
Misc : water IS/SURR15A20860
ALS Vial : 28 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 15:01:53 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 15:00:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 04A.D
Acq On : 15 Sep 2015 11:55 am
Operator : 621
Sample : STD VMS 0.25 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:28:36 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.772	168	383594	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	676448	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	117400	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	295369	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.78
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.10
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-5.24
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-7.64
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.531	111	239033	41.2050234	ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 103.01%			
46) a,a,a-Trifluorotoluene	4.457	146	356028	40.9774716	ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 102.44%			
50) TOLUENE-D8	4.910	98	815260	41.4861339	ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 103.72%			
68) 4-BROMOFLUOROBENZENE	6.781	95	292514	40.9267045	ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 102.32%			

Target Compounds						Qvalue
3) PROPENE	1.344	41	1450	1.9954570	ppb #	86
4) DICHLORODIFLUOROMETHANE	1.389	85	1364	0.2770128	ppb #	41
5) CHLOROMETHANE	1.515	50	2555	0.3736795	ppb #	92
6) VINYL CHLORIDE	1.592	62	1530	0.2717635	ppb #	50
7) 1,3-BUTADIENE	1.585	39	1029	0.2558724	ppb #	78
8) BROMOMETHANE	1.794	94	982	0.2445234	ppb #	68
9) CHLOROETHANE	1.875	64	787	0.2737613	ppb #	43
10) TRICHLOROFLUOROMETHANE	1.962	101	1755	0.2510613	ppb #	82
11) DICHLOROFLUOROMETHANE	1.994	67	2307	0.2635047	ppb #	88
12) ETHYL ETHER	2.129	59	933	0.2767494	ppb #	83
13) ACROLEIN	2.437	56	1209	2.1827688	ppb #	70
14) 1,1-DICHLOROETHENE	2.257	61	1770	0.2655544	ppb #	90
15) 1,1,2-TRICHLOROTRIFLUO...	2.293	101	1059	0.2538864	ppb #	57
16) ACETONE	2.595	43	4212	1.9392016	ppb	90
17) IODOMETHANE	2.344	142	19002	2.2927622	ppb	99
18) CARBON DISULFIDE	2.286	76	6971	0.4611201	ppb #	78
19) METHYLENE CHLORIDE	2.576	84	1999	0.3857355	ppb	92
20) ACRYLONITRILE	3.019	53	2426	1.2920499	ppb	96
21) n-Hexane	2.720	56	1391	0.3009253	ppb #	80
22) TRANS-1,2-DICHLOROETHENE	2.675	96	1256	0.2589892	ppb	94
23) METHYL TERT-BUTYL ETHER	2.724	73	3265	0.2534304	ppb	94
24) 1,1-DICHLOROETHANE	3.003	63	2495	0.2581177	ppb	98
25) VINYL ACETATE	3.122	43	14312	1.2216940	ppb	97
26) DI-ISOPROPYL ETHER	2.926	45	4499	0.2422672	ppb	91
27) 2,2-Dichloropropane	3.354	77	1922	0.3186875	ppb #	57
28) CIS-1,2-DICHLOROETHENE	3.293	96	1458	0.2648470	ppb	97
29) 2-BUTANONE (MEK)	3.592	43	4246	1.2163898	ppb	94
30) BROMOCHLOROMETHANE	3.402	130	853	0.2596976	ppb	99
31) TETRAHYDROFURAN	3.531	42	517	0.3065997	ppb #	33
32) CHLOROFORM	3.434	83	2308	0.2484260	ppb #	93
34) 1,1,1-TRICHLOROETHANE	3.563	97	1746	0.2526872	ppb	95
35) CARBON TETRACHLORIDE	3.531	117	1870	0.2505627	ppb	89
36) 1,1-Dichloropropene	3.627	75	1682	0.2490326	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 04A.D
Acq On : 15 Sep 2015 11:55 am
Operator : 621
Sample : STD VMS 0.25 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS25

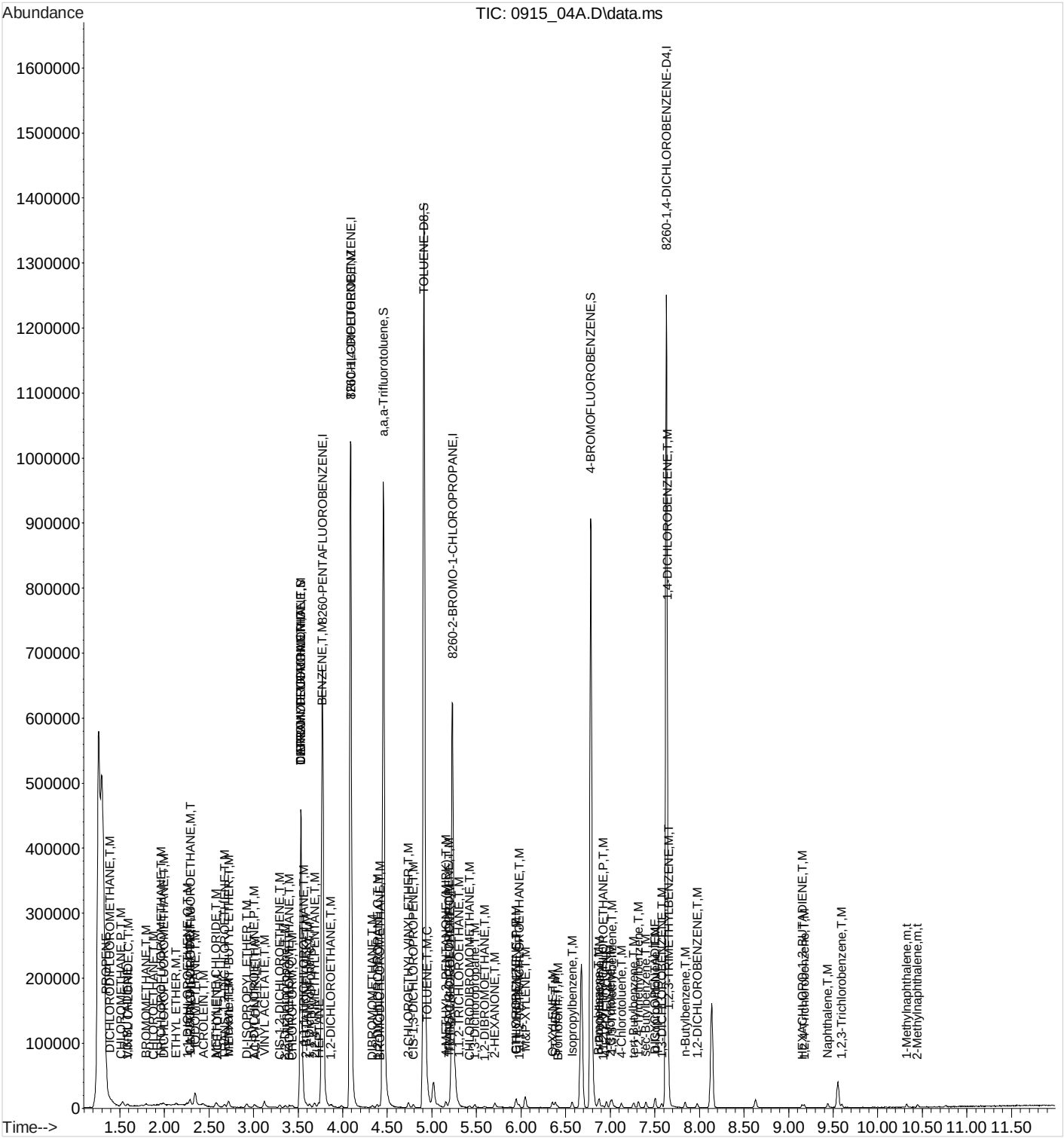
Quant Time: Sep 16 14:28:36 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.688	57	5767	0.2778899 ppb		91
38)	HEPTANE	3.733	43	2049	0.2056791 ppb		93
39)	BENZENE	3.765	78	5943	0.2984198 ppb	#	1
40)	1,2-DICHLOROETHANE	3.865	62	1777	0.2736868 ppb	#	76
42)	TRICHLOROETHENE	4.090	130	1290	0.2518794 ppb		91
43)	1,2-DICHLOROPROPANE	4.389	62	1210	0.2817757 ppb	#	84
44)	DIBROMOMETHANE	4.331	93	925	0.2635639 ppb	#	83
45)	BROMODICHLOROMETHANE	4.415	83	1760	0.2439761 ppb	#	87
47)	2-CHLOROETHYL VINYL ETHER	4.736	63	3262	1.0761949 ppb	#	92
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	2057	0.2313842 ppb	#	97
49)	4-METHYL-2-PENTANONE (...	5.158	43	6540	1.0216158 ppb		93
51)	TOLUENE	4.945	91	6665	0.3177581 ppb		93
52)	TRANS-1,3-DICHLOROPROPENE	5.190	75	1838	0.2217152 ppb	#	52
54)	1,1,2-TRICHLOROETHANE	5.302	97	1119	0.2457393 ppb	#	85
55)	TETRACHLOROETHENE	5.199	164	953	0.2468903 ppb		90
56)	1,3-Dichloropropane	5.482	76	2244	0.2871216 ppb		94
57)	2-HEXANONE	5.704	58	2666	1.0384258 ppb		91
58)	CHLORODIBROMOMETHANE	5.424	129	1085	0.2007630 ppb	#	74
59)	1,2-DIBROMOETHANE	5.588	107	1306	0.2645551 ppb		92
60)	CHLOROBENZENE	5.942	112	3507	0.2605852 ppb		94
61)	1,1,1,2-TETRACHLOROETHANE	5.981	133	1045	0.2228132 ppb	#	98
62)	ETHYLBENZENE	5.945	106	1589	0.2243900 ppb		72
63)	M&P-XYLENE	6.048	106	4828	0.5445619 ppb		100
64)	O-XYLENE	6.350	106	2230	0.2622768 ppb		96
65)	STYRENE	6.386	104	3479	0.2413437 ppb		98
66)	Bromoform	6.412	173	800	0.2316234 ppb	#	27
67)	Isopropylbenzene	6.572	105	5372	0.2414244 ppb		96
69)	Bromobenzene	6.868	77	2719	0.2643245 ppb		95
70)	1,1,2,2-TETRACHLOROETHANE	6.920	83	1707	0.2522237 ppb	#	89
73)	n-Propylbenzene	6.878	91	7022	0.2578462 ppb		97
74)	4-ETHYLTOLUENE	6.955	105	5832	0.2635851 ppb		100
75)	2-Chlorotoluene	7.000	126	1218	0.2564099 ppb		85
76)	4-Chlorotoluene	7.125	91	4108	0.2578835 ppb	#	89
77)	1,3,5-Trimethylbenzene	7.016	105	4599	0.2617031 ppb		99
78)	tert-Butylbenzene	7.264	119	3587	0.2555118 ppb	#	83
79)	1,2,4-Trimethylbenzene	7.315	105	5119	0.2886990 ppb		99
80)	sec-Butylbenzene	7.399	105	6034	0.2560638 ppb		97
81)	1,3-DICHLOROBENZENE	7.579	146	2593	0.2570805 ppb		94
82)	p-Isopropyltoluene	7.505	119	4618	0.2390661 ppb		95
83)	DICYCLOPENTADIENE	7.498	66	6295	0.2474789 ppb	#	73
85)	1,4-DICHLOROBENZENE	7.640	146	3144	0.3140577 ppb	#	1
86)	1,2,3-TRIMETHYLBENZENE	7.656	105	4856	0.2683648 ppb		97
87)	1,2-DICHLOROBENZENE	7.974	146	2479	0.2680042 ppb		94
88)	n-Butylbenzene	7.839	91	4509	0.2488115 ppb		94
90)	1,2,4-Trichlorobenzene	9.173	180	1550	0.2731940 ppb	#	84
91)	HEXACHLORO-1,3-BUTADIENE	9.154	225	842	0.2800686 ppb	#	85
92)	Naphthalene	9.437	128	4270	0.2910316 ppb	#	71
93)	1,2,3-Trichlorobenzene	9.595	180	1571	0.2976812 ppb		91
94)	1-Methylnaphthalene	10.321	142	2329	0.3256073 ppb		92
95)	2-Methylnaphthalene	10.444	142	1923	0.3287868 ppb		91

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

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 04A.D
Acq On : 15 Sep 2015 11:55 am
Operator : 621
Sample : STD VMS 0.25 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:28:36 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 05A.D
Acq On : 15 Sep 2015 12:13 pm
Operator : 621
Sample : STD VMS 0.5 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:28:56 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.771	168	382717	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.087	114	670478	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	117154	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	294199	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.78
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.10
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.24
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.64
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.530	111	235397	40.6712273 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 101.68%		
46) a,a,a-Trifluorotoluene	4.456	146	359515	41.7472529 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 104.37%		
50) TOLUENE-D8	4.910	98	816306	41.9092322 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 104.77%		
68) 4-BROMOFLUOROBENZENE	6.781	95	299049	41.9288981 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 104.82%		

Target Compounds						Qvalue
3) PROPENE	1.347	41	1711	2.3600349 ppb		96
4) DICHLORODIFLUOROMETHANE	1.389	85	2458	0.5003356 ppb		90
5) CHLOROMETHANE	1.518	50	4720	0.6919018 ppb	#	91
6) VINYL CHLORIDE	1.585	62	2686	0.4781892 ppb	#	94
7) 1,3-BUTADIENE	1.595	39	1498	0.3733481 ppb		87
8) BROMOMETHANE	1.797	94	2310	0.5765207 ppb	#	91
9) CHLOROETHANE	1.881	64	1674	0.5836424 ppb	#	53
10) TRICHLOROFLUOROMETHANE	1.958	101	3556	0.5098687 ppb	#	86
11) DICHLOROFLUOROMETHANE	1.997	67	4952	0.5669119 ppb		99
12) ETHYL ETHER	2.132	59	1493	0.4438731 ppb	#	66
13) ACROLEIN	2.444	56	1357	2.4555870 ppb	#	29
14) 1,1-DICHLOROETHENE	2.257	61	3775	0.5676638 ppb	#	92
15) 1,1,2-TRICHLOROTRIFLUO...	2.289	101	2117	0.5086960 ppb	#	93
16) ACETONE	2.591	43	7205	3.3247778 ppb		93
17) IODOMETHANE	2.341	142	30157	3.6470515 ppb		100
18) CARBON DISULFIDE	2.286	76	10363	0.6870661 ppb	#	78
19) METHYLENE CHLORIDE	2.575	84	3390	0.6556478 ppb		95
20) ACRYLONITRILE	3.016	53	4227	2.2563933 ppb	#	90
21) n-Hexane	2.714	56	2413	0.5232182 ppb	#	92
22) TRANS-1,2-DICHLOROETHENE	2.675	96	2576	0.5323926 ppb		95
23) METHYL TERT-BUTYL ETHER	2.720	73	6554	0.5098894 ppb		92
24) 1,1-DICHLOROETHANE	3.003	63	4883	0.5063234 ppb		96
25) VINYL ACETATE	3.119	43	27955	2.3917494 ppb		99
26) DI-ISOPROPYL ETHER	2.919	45	9036	0.4876957 ppb		98
27) 2,2-Dichloropropane	3.353	77	2973	0.4940839 ppb		95
28) CIS-1,2-DICHLOROETHENE	3.292	96	2799	0.5096059 ppb		98
29) 2-BUTANONE (MEK)	3.591	43	8770	2.5181779 ppb		94
30) BROMOCHLOROMETHANE	3.402	130	1763	0.5379790 ppb		99
31) TETRAHYDROFURAN	3.530	42	877	0.5212845 ppb	#	33
32) CHLOROFORM	3.431	83	4702	0.5072685 ppb	#	92
34) 1,1,1-TRICHLOROETHANE	3.563	97	3535	0.5127698 ppb		98
35) CARBON TETRACHLORIDE	3.530	117	3644	0.4893812 ppb		93
36) 1,1-Dichloropropene	3.627	75	3556	0.5276987 ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 05A.D
Acq On : 15 Sep 2015 12:13 pm
Operator : 621
Sample : STD VMS 0.5 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:28:56 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.685	57	11033	0.5328567 ppb		98
38)	HEPTANE	3.730	43	4247	0.4272917 ppb	#	88
39)	BENZENE	3.765	78	11376	0.5725397 ppb	#	45
40)	1,2-DICHLOROETHANE	3.865	62	3195	0.4932094 ppb	#	76
42)	TRICHLOROETHENE	4.087	130	2713	0.5344445 ppb		92
43)	1,2-DICHLOROPROPANE	4.382	62	2050	0.4816393 ppb		89
44)	DIBROMOMETHANE	4.331	93	1798	0.5168729 ppb		98
45)	BROMODICHLOROMETHANE	4.411	83	3433	0.4801295 ppb	#	88
47)	2-CHLOROETHYL VINYL ETHER	4.736	63	7077	2.3556245 ppb		94
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	4410	0.5004813 ppb	#	92
49)	4-METHYL-2-PENTANONE (...	5.157	43	13434	2.1172156 ppb		97
51)	TOLUENE	4.945	91	11784	0.5668122 ppb		98
52)	TRANS-1,3-DICHLOROPROPENE	5.189	75	3664	0.4459183 ppb	#	67
54)	1,1,2-TRICHLOROETHANE	5.296	97	2289	0.5037339 ppb		90
55)	TETRACHLOROETHENE	5.196	164	1922	0.4989713 ppb		92
56)	1,3-Dichloropropane	5.482	76	4446	0.5700638 ppb		98
57)	2-HEXANONE	5.701	58	5048	1.9703602 ppb		96
58)	CHLORODIBROMOMETHANE	5.418	129	2580	0.4783929 ppb		98
59)	1,2-DIBROMOETHANE	5.588	107	2649	0.5377321 ppb		87
60)	CHLOROBENZENE	5.939	112	6892	0.5131807 ppb		95
61)	1,1,1,2-TETRACHLOROETHANE	5.974	133	2136	0.4563908 ppb	#	89
62)	ETHYLBENZENE	5.945	106	3595	0.5087325 ppb		98
63)	M&P-XYLENE	6.045	106	8713	0.9848241 ppb		94
64)	O-XYLENE	6.350	106	4014	0.4730896 ppb		80
65)	STYRENE	6.386	104	7188	0.4996898 ppb		99
66)	Bromoform	6.411	173	1548	0.4491324 ppb		95
67)	Isopropylbenzene	6.572	105	11212	0.5049394 ppb		97
69)	Bromobenzene	6.868	77	5732	0.5583999 ppb		93
70)	1,1,2,2-TETRACHLOROETHANE	6.913	83	3632	0.5377856 ppb	#	96
71)	1,2,3-TRICHLOROPROPANE	7.022	110	686	0.4486333 ppb	#	17
72)	TRANS-1,4-DICHLORO-2-B...	7.051	53	1084	0.6303932 ppb	#	25
73)	n-Propylbenzene	6.877	91	14385	0.5293229 ppb		99
74)	4-ETHYLTOLUENE	6.955	105	11722	0.5309040 ppb		100
75)	2-Chlorotoluene	7.000	126	2923	0.6166339 ppb	#	69
76)	4-Chlorotoluene	7.125	91	8736	0.5495620 ppb		97
77)	1,3,5-Trimethylbenzene	7.019	105	8851	0.5047179 ppb		100
78)	tert-Butylbenzene	7.263	119	6872	0.4905392 ppb		99
79)	1,2,4-Trimethylbenzene	7.315	105	9242	0.5223204 ppb		100
80)	sec-Butylbenzene	7.402	105	11394	0.4845405 ppb		99
81)	1,3-DICHLOROBENZENE	7.575	146	5262	0.5227914 ppb		96
82)	p-Isopropyltoluene	7.508	119	9777	0.5072017 ppb		96
83)	DICYCLOPENTADIENE	7.498	66	13238	0.5215258 ppb		97
85)	1,4-DICHLOROBENZENE	7.643	146	5754	0.5770593 ppb	#	1
86)	1,2,3-TRIMETHYLBENZENE	7.656	105	9571	0.5310409 ppb		95
87)	1,2-DICHLOROBENZENE	7.974	146	5155	0.5595223 ppb		98
88)	n-Butylbenzene	7.839	91	9308	0.5156682 ppb		99
90)	1,2,4-Trichlorobenzene	9.173	180	3119	0.5519232 ppb		94
91)	HEXACHLORO-1,3-BUTADIENE	9.147	225	1686	0.5630326 ppb		91
92)	Naphthalene	9.440	128	7919	0.5418840 ppb		96
93)	1,2,3-Trichlorobenzene	9.598	180	2926	0.5566385 ppb		93
94)	1-Methylnaphthalene	10.321	142	3858	0.5415151 ppb		97
95)	2-Methylnaphthalene	10.446	142	3277	0.5625165 ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 05A.D
Acq On : 15 Sep 2015 12:13 pm
Operator : 621
Sample : STD VMS 0.5 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:28:56 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

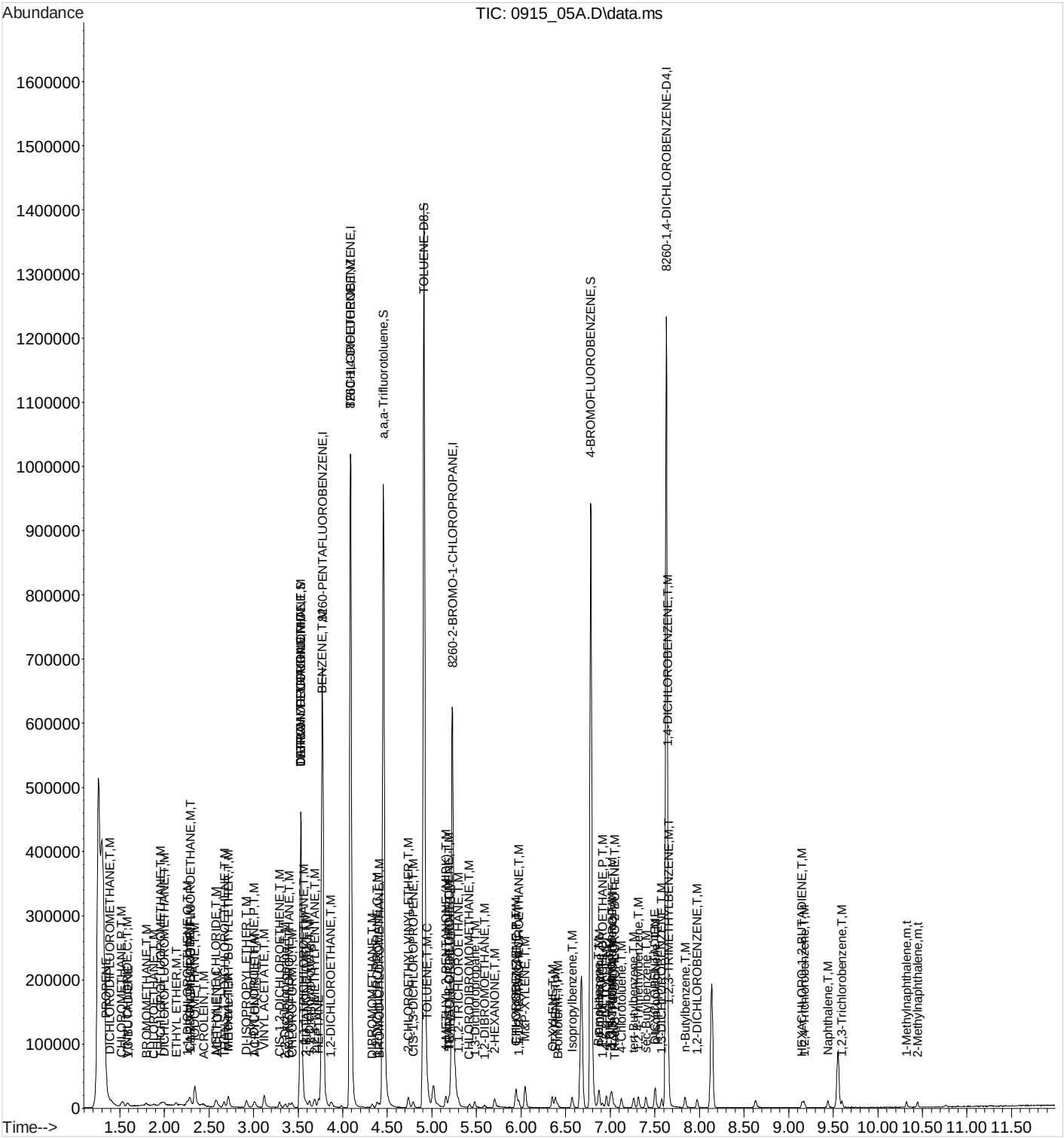
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 05A.D
Acq On : 15 Sep 2015 12:13 pm
Operator : 621
Sample : STD VMS 0.5 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:28:56 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 06A.D
Acq On : 15 Sep 2015 12:32 pm
Operator : 621
Sample : STD VMS 1 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:29:23 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.772	168	381863	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	683224	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	114324	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	286858	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.78
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.10
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-5.24
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-7.64
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.534	111	243676	42.1958058	ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 105.49%			
46) a,a,a-Trifluorotoluene	4.457	146	364511	41.5377478	ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 103.84%			
50) TOLUENE-D8	4.910	98	840767	42.3597893	ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 105.90%			
68) 4-BROMOFLUOROBENZENE	6.781	95	298160	42.8390848	ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 107.10%			
Target Compounds						Qvalue
3) PROPENE	1.347	41	1843	2.5477918	ppb #	81
4) DICHLORODIFLUOROMETHANE	1.396	85	5031	1.0263703	ppb	96
5) CHLOROMETHANE	1.518	50	8286	1.2173559	ppb	97
6) VINYL CHLORIDE	1.589	62	5400	0.9635133	ppb #	91
7) 1,3-BUTADIENE	1.595	39	2918	0.7288826	ppb	85
8) BROMOMETHANE	1.801	94	5439	1.3604801	ppb #	81
9) CHLOROETHANE	1.881	64	3072	1.0734523	ppb	93
10) TRICHLOROFLUOROMETHANE	1.971	101	7394	1.0625423	ppb #	94
11) DICHLOROFLUOROMETHANE	1.997	67	9413	1.0800233	ppb	98
12) ETHYL ETHER	2.135	59	3529	1.0515281	ppb #	85
13) ACROLEIN	2.434	56	3037	5.5079558	ppb #	60
14) 1,1-DICHLOROETHENE	2.261	61	6589	0.9930335	ppb	99
15) 1,1,2-TRICHLOROTRIFLUO...	2.296	101	3847	0.9264668	ppb	92
16) ACETONE	2.595	43	12032	5.5646344	ppb	97
17) IODOMETHANE	2.344	142	48777	5.9120625	ppb	99
18) CARBON DISULFIDE	2.286	76	17512	1.1636408	ppb	99
19) METHYLENE CHLORIDE	2.579	84	6015	1.1659414	ppb	98
20) ACRYLONITRILE	3.016	53	8623	4.6132937	ppb	95
21) n-Hexane	2.717	56	4398	0.9557646	ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.675	96	5105	1.0574310	ppb	95
23) METHYL TERT-BUTYL ETHER	2.727	73	12093	0.9429177	ppb	92
24) 1,1-DICHLOROETHANE	3.003	63	10452	1.0862026	ppb	98
25) VINYL ACETATE	3.119	43	51278	4.3970097	ppb	100
26) DI-ISOPROPYL ETHER	2.923	45	18758	1.0146808	ppb	97
27) 2,2-Dichloropropane	3.357	77	6263	1.0431778	ppb	99
28) CIS-1,2-DICHLOROETHENE	3.293	96	5588	1.0196664	ppb	96
29) 2-BUTANONE (MEK)	3.588	43	15326	4.4104796	ppb	100
30) BROMOCHLOROMETHANE	3.402	130	3217	0.9838621	ppb	83
31) TETRAHYDROFURAN	3.531	42	1555	0.9263514	ppb #	73
32) CHLOROFORM	3.431	83	9592	1.0371333	ppb	99
34) 1,1,1-TRICHLOROETHANE	3.563	97	7214	1.0487678	ppb	97
35) CARBON TETRACHLORIDE	3.531	117	7926	1.0668250	ppb	95
36) 1,1-Dichloropropene	3.630	75	6665	0.9912760	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 06A.D
Acq On : 15 Sep 2015 12:32 pm
Operator : 621
Sample : STD VMS 1 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:29:23 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.688	57	22008	1.0652893 ppb		97
38)	HEPTANE	3.733	43	11138	1.1231029 ppb		95
39)	BENZENE	3.765	78	22213	1.1204524 ppb	#	74
40)	1,2-DICHLOROETHANE	3.871	62	6705	1.0373599 ppb	#	76
42)	TRICHLOROETHENE	4.087	130	5335	1.0313562 ppb		99
43)	1,2-DICHLOROPROPANE	4.386	62	4163	0.9598334 ppb		94
44)	DIBROMOMETHANE	4.331	93	3296	0.9298282 ppb		95
45)	BROMODICHLOROMETHANE	4.415	83	7263	0.9968321 ppb		98
47)	2-CHLOROETHYL VINYL ETHER	4.736	63	13983	4.5675010 ppb		98
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	9127	1.0164798 ppb	#	98
49)	4-METHYL-2-PENTANONE (...	5.154	43	25994	4.0202613 ppb		96
51)	TOLUENE	4.945	91	23821	1.1244181 ppb		95
52)	TRANS-1,3-DICHLOROPROPENE	5.190	75	7503	0.8960994 ppb	#	67
54)	1,1,2-TRICHLOROETHANE	5.296	97	4438	1.0008349 ppb		97
55)	TETRACHLOROETHENE	5.199	164	4036	1.0737250 ppb		93
56)	1,3-Dichloropropane	5.479	76	7945	1.0439209 ppb		99
57)	2-HEXANONE	5.701	58	10059	4.0234704 ppb		84
58)	CHLORODIBROMOMETHANE	5.421	129	4864	0.9242262 ppb		96
59)	1,2-DIBROMOETHANE	5.592	107	4680	0.9735305 ppb		98
60)	CHLOROBENZENE	5.939	112	13434	1.0250619 ppb		97
61)	1,1,1,2-TETRACHLOROETHANE	5.974	133	4409	0.9653736 ppb	#	98
62)	ETHYLBENZENE	5.948	106	6853	0.9937817 ppb		95
63)	M&P-XYLENE	6.045	106	17726	2.0531535 ppb		100
64)	O-XYLENE	6.350	106	8433	1.0185160 ppb		94
65)	STYRENE	6.386	104	13015	0.9271635 ppb		94
66)	Bromoform	6.411	173	3090	0.9187167 ppb		94
67)	Isopropylbenzene	6.572	105	21385	0.9869273 ppb		99
69)	Bromobenzene	6.868	77	10615	1.0596900 ppb		98
70)	1,1,2,2-TETRACHLOROETHANE	6.913	83	7227	1.0965819 ppb		90
71)	1,2,3-TRICHLOROPROPANE	7.019	110	1372	0.9194778 ppb		87
72)	TRANS-1,4-DICHLORO-2-B...	7.048	53	1447	0.8623240 ppb	#	91
73)	n-Propylbenzene	6.878	91	27602	1.0408092 ppb		100
74)	4-ETHYLTOLUENE	6.958	105	21936	1.0181024 ppb		98
75)	2-Chlorotoluene	7.000	126	5465	1.1814312 ppb		83
76)	4-Chlorotoluene	7.122	91	16038	1.0338891 ppb		98
77)	1,3,5-Trimethylbenzene	7.016	105	17850	1.0430721 ppb		97
78)	tert-Butylbenzene	7.260	119	14520	1.0621281 ppb		94
79)	1,2,4-Trimethylbenzene	7.315	105	17650	1.0221991 ppb		97
80)	sec-Butylbenzene	7.402	105	22495	0.9803013 ppb		98
81)	1,3-DICHLOROBENZENE	7.579	146	10441	1.0630150 ppb		94
82)	p-Isopropyltoluene	7.508	119	18739	0.9961878 ppb		99
83)	DICYCLOPENTADIENE	7.501	66	24767	0.9998769 ppb		99
85)	1,4-DICHLOROBENZENE	7.643	146	10923	1.1234837 ppb	#	1
86)	1,2,3-TRIMETHYLBENZENE	7.656	105	17539	0.9980440 ppb		97
87)	1,2-DICHLOROBENZENE	7.974	146	9520	1.0597414 ppb		98
88)	n-Butylbenzene	7.839	91	17859	1.0147180 ppb		98
89)	1,2-Dibromo-3-chloropr...	8.614	157	908	0.8440504 ppb		94
90)	1,2,4-Trichlorobenzene	9.173	180	5783	1.0495199 ppb		99
91)	HEXACHLORO-1,3-BUTADIENE	9.151	225	3161	1.0826167 ppb		96
92)	Naphthalene	9.440	128	13730	0.9635645 ppb		99
93)	1,2,3-Trichlorobenzene	9.595	180	5337	1.0412867 ppb		99
94)	1-Methylnaphthalene	10.321	142	6574	0.9463511 ppb		99
95)	2-Methylnaphthalene	10.447	142	5726	1.0080554 ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 06A.D
Acq On : 15 Sep 2015 12:32 pm
Operator : 621
Sample : STD VMS 1 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:29:23 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

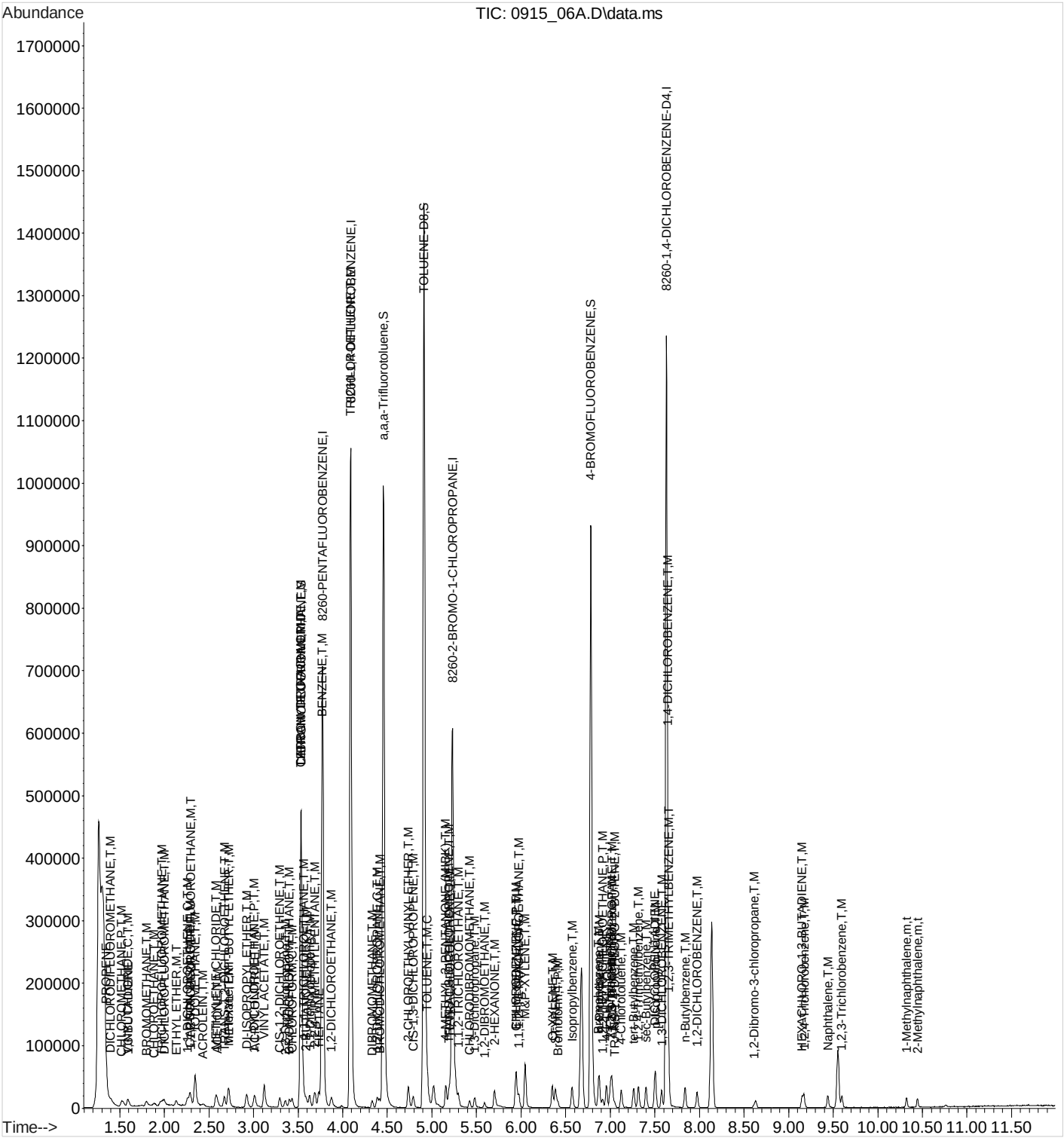
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 06A.D
Acq On : 15 Sep 2015 12:32 pm
Operator : 621
Sample : STD VMS 1 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:29:23 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 07A.D
Acq On : 15 Sep 2015 12:50 pm
Operator : 621
Sample : STD VMS 2 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:29:48 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.772	168	377449	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	653926	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	114537	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	294609	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.78
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.10
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.24
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.64
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.530	111	246032	43.1020003 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 107.76%		
46) a,a,a-Trifluorotoluene	4.456	146	366538	43.6401084 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 109.10%		
50) TOLUENE-D8	4.910	98	830125	43.6974542 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 109.24%		
68) 4-BROMOFLUOROBENZENE	6.781	95	310045	44.4638581 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 111.16%		

Target Compounds						Qvalue
3) PROPENE	1.347	41	3023	4.2279130 ppb		97
4) DICHLORODIFLUOROMETHANE	1.389	85	10062	2.0767459 ppb		93
5) CHLOROMETHANE	1.518	50	15262	2.2684717 ppb		98
6) VINYL CHLORIDE	1.585	62	11215	2.0244755 ppb		99
7) 1,3-BUTADIENE	1.588	39	7858	1.9857914 ppb		93
8) BROMOMETHANE	1.794	94	8049	2.0368749 ppb		99
9) CHLOROETHANE	1.881	64	6637	2.3462953 ppb		97
10) TRICHLOROFLUOROMETHANE	1.964	101	14344	2.0853856 ppb	#	90
11) DICHLOROFLUOROMETHANE	1.990	67	17757	2.0612182 ppb		100
12) ETHYL ETHER	2.128	59	6855	2.0664551 ppb		94
13) ACROLEIN	2.431	56	5395	9.8988879 ppb		88
14) 1,1-DICHLOROETHENE	2.257	61	13467	2.0533575 ppb		99
15) 1,1,2-TRICHLOROTRIFLUO...	2.292	101	8154	1.9866789 ppb	#	94
16) ACETONE	2.591	43	22125	10.3521700 ppb		100
17) IODOMETHANE	2.341	142	89603	10.9874214 ppb		99
18) CARBON DISULFIDE	2.286	76	32139	2.1605527 ppb		97
19) METHYLENE CHLORIDE	2.575	84	10933	2.1440245 ppb		98
20) ACRYLONITRILE	3.016	53	17445	9.4421956 ppb		97
21) n-Hexane	2.717	56	9136	2.0086354 ppb		91
22) TRANS-1,2-DICHLOROETHENE	2.672	96	9976	2.0905571 ppb		99
23) METHYL TERT-BUTYL ETHER	2.720	73	24735	1.9511963 ppb		98
24) 1,1-DICHLOROETHANE	3.003	63	18864	1.9833280 ppb		99
25) VINYL ACETATE	3.116	43	105626	9.1631856 ppb		99
26) DI-ISOPROPYL ETHER	2.919	45	36083	1.9746714 ppb		99
27) 2,2-Dichloropropane	3.357	77	11956	2.0147035 ppb		100
28) CIS-1,2-DICHLOROETHENE	3.292	96	10792	1.9922918 ppb		98
29) 2-BUTANONE (MEK)	3.588	43	33070	9.6280978 ppb		97
30) BROMOCHLOROMETHANE	3.402	130	6634	2.0526171 ppb		100
31) TETRAHYDROFURAN	3.527	42	3583	2.1594417 ppb		94
32) CHLOROFORM	3.431	83	18904	2.0678948 ppb		95
34) 1,1,1-TRICHLOROETHANE	3.563	97	13904	2.0449952 ppb		98
35) CARBON TETRACHLORIDE	3.530	117	14822	2.0183441 ppb		99
36) 1,1-Dichloropropene	3.627	75	13907	2.0925566 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 07A.D
Acq On : 15 Sep 2015 12:50 pm
Operator : 621
Sample : STD VMS 2 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:29:48 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.685	57	41981	2.0558388 ppb		98
38)	HEPTANE	3.730	43	20322	2.0731374 ppb		96
39)	BENZENE	3.765	78	41788	2.1324903 ppb	#	83
40)	1,2-DICHLOROETHANE	3.868	62	13600	2.1287216 ppb		99
42)	TRICHLOROETHENE	4.087	130	10193	2.0587840 ppb		97
43)	1,2-DICHLOROPROPANE	4.386	62	8375	2.0174779 ppb		92
44)	DIBROMOMETHANE	4.331	93	7308	2.1540141 ppb		94
45)	BROMODICHLOROMETHANE	4.415	83	14687	2.1060737 ppb		96
47)	2-CHLOROETHYL VINYL ETHER	4.733	63	29032	9.9080857 ppb		98
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	17120	1.9920901 ppb	#	98
49)	4-METHYL-2-PENTANONE (...	5.154	43	56259	9.0909167 ppb		94
51)	TOLUENE	4.945	91	43661	2.1532578 ppb		98
52)	TRANS-1,3-DICHLOROPROPENE	5.189	75	14474	1.8061104 ppb	#	69
54)	1,1,2-TRICHLOROETHANE	5.296	97	8928	2.0096523 ppb		95
55)	TETRACHLOROETHENE	5.199	164	8011	2.1272583 ppb		98
56)	1,3-Dichloropropane	5.479	76	15605	2.0465816 ppb		96
57)	2-HEXANONE	5.701	58	20895	8.3421882 ppb		93
58)	CHLORODIBROMOMETHANE	5.421	129	10357	1.9643113 ppb		96
59)	1,2-DIBROMOETHANE	5.588	107	10119	2.1010331 ppb		93
60)	CHLOROBENZENE	5.939	112	26622	2.0275755 ppb		98
61)	1,1,1,2-TETRACHLOROETHANE	5.974	133	9630	2.1046176 ppb	#	94
62)	ETHYLBENZENE	5.948	106	14043	2.0326462 ppb		100
63)	M&P-XYLENE	6.045	106	34925	4.0377433 ppb		100
64)	O-XYLENE	6.350	106	16951	2.0434908 ppb		96
65)	STYRENE	6.386	104	26722	1.9000837 ppb		99
66)	Bromoform	6.411	173	6140	1.8221457 ppb		93
67)	Isopropylbenzene	6.572	105	42963	1.9790743 ppb		98
69)	Bromobenzene	6.868	77	20362	2.0289478 ppb		98
70)	1,1,2,2-TETRACHLOROETHANE	6.916	83	13451	2.0371791 ppb		97
71)	1,2,3-TRICHLOROPROPANE	7.025	110	2573	1.7211492 ppb		95
72)	TRANS-1,4-DICHLORO-2-B...	7.045	53	3068	1.8249414 ppb	#	92
73)	n-Propylbenzene	6.874	91	53235	2.0036388 ppb		100
74)	4-ETHYLTOLUENE	6.955	105	43274	2.0047152 ppb		96
75)	2-Chlorotoluene	7.000	126	10439	2.2525206 ppb	#	83
76)	4-Chlorotoluene	7.122	91	31630	2.0352350 ppb		98
77)	1,3,5-Trimethylbenzene	7.016	105	34576	2.0167053 ppb		98
78)	tert-Butylbenzene	7.263	119	28732	2.0978178 ppb		99
79)	1,2,4-Trimethylbenzene	7.315	105	36190	2.0920447 ppb		95
80)	sec-Butylbenzene	7.398	105	47230	2.0543911 ppb		98
81)	1,3-DICHLOROBENZENE	7.575	146	20570	2.0903701 ppb		99
82)	p-Isopropyltoluene	7.504	119	35889	1.9043544 ppb		98
83)	DICYCLOPENTADIENE	7.498	66	48671	1.9612592 ppb		100
85)	1,4-DICHLOROBENZENE	7.643	146	20707	2.0737814 ppb	#	1
86)	1,2,3-TRIMETHYLBENZENE	7.656	105	36293	2.0108918 ppb		98
87)	1,2-DICHLOROBENZENE	7.974	146	18658	2.0223160 ppb		99
88)	n-Butylbenzene	7.839	91	36161	2.0005509 ppb		99
89)	1,2-Dibromo-3-chloropr...	8.607	157	2118	1.9170323 ppb		97
90)	1,2,4-Trichlorobenzene	9.173	180	11170	1.9738384 ppb		99
91)	HEXACHLORO-1,3-BUTADIENE	9.151	225	6304	2.1022647 ppb		96
92)	Naphthalene	9.440	128	28638	1.9569237 ppb		99
93)	1,2,3-Trichlorobenzene	9.598	180	10500	1.9947266 ppb		96
94)	1-Methylnaphthalene	10.321	142	13436	1.8832741 ppb		100
95)	2-Methylnaphthalene	10.443	142	11368	1.9486690 ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 07A.D
Acq On : 15 Sep 2015 12:50 pm
Operator : 621
Sample : STD VMS 2 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:29:48 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

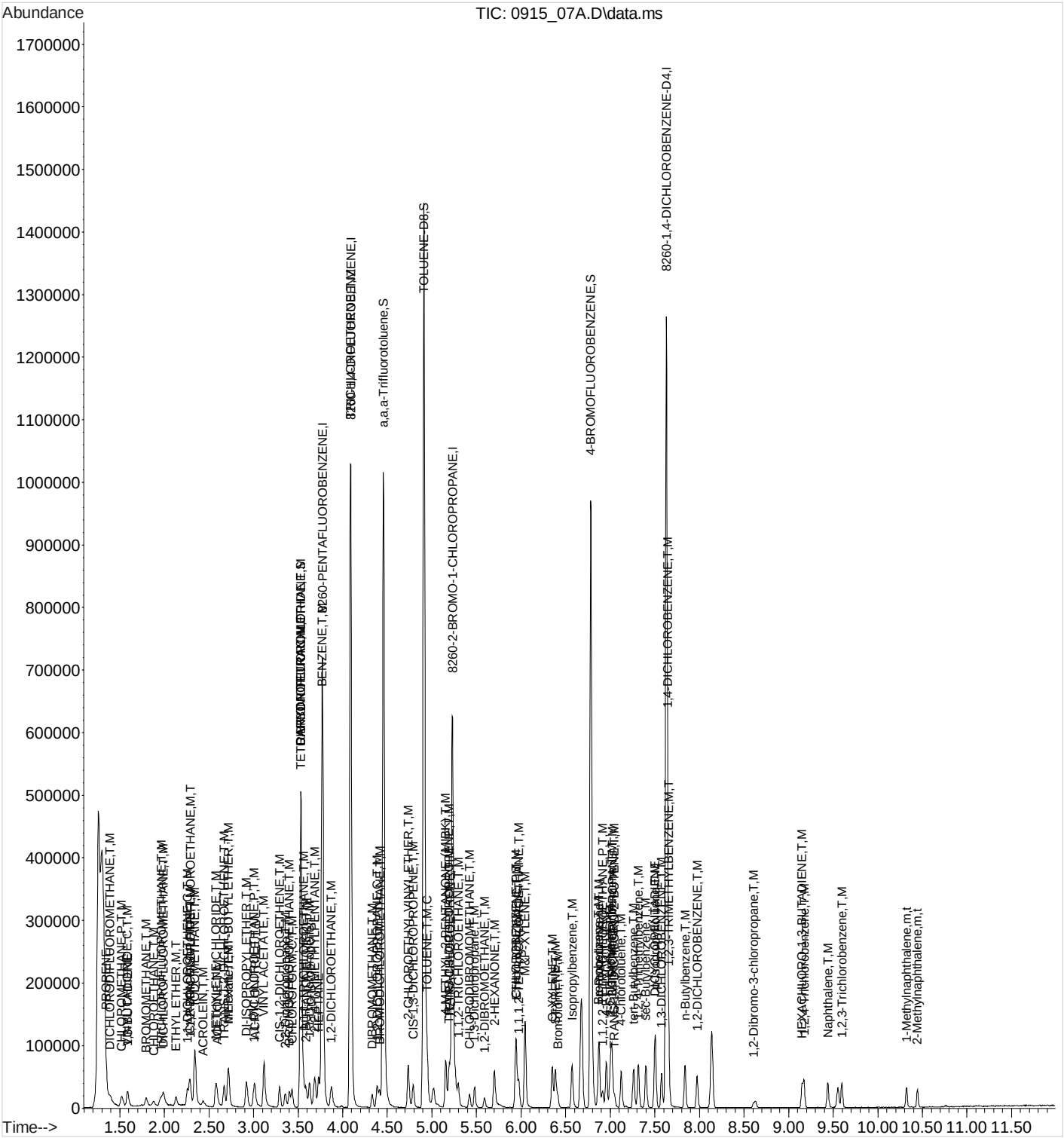
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 07A.D
Acq On : 15 Sep 2015 12:50 pm
Operator : 621
Sample : STD VMS 2 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:29:48 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 08A.D
Acq On : 15 Sep 2015 1:08 pm
Operator : 621
Sample : STD VMS 5.0 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:32:30 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.772	168	379426	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	664508	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	110178	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	291819	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.78
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.10
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.24
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.64
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.530	111	247067	43.0577927 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 107.64%		
46) a,a,a-Trifluorotoluene	4.456	146	369970	43.3472665 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 108.37%		
50) TOLUENE-D8	4.910	98	820704	42.5135708 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 106.28%		
68) 4-BROMOFLUOROBENZENE	6.781	95	302404	45.0838361 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 112.71%		
Target Compounds					Qvalue
3) PROPENE	1.351	41	4892	6.8062131 ppb	95
4) DICHLORODIFLUOROMETHANE	1.386	85	24946	5.1219007 ppb	98
5) CHLOROMETHANE	1.518	50	35096	5.1893234 ppb	97
6) VINYL CHLORIDE	1.585	62	27713	4.9765456 ppb	98
7) 1,3-BUTADIENE	1.592	39	17829	4.4820817 ppb	96
8) BROMOMETHANE	1.797	94	21807	5.4897118 ppb	92
9) CHLOROETHANE	1.881	64	14502	5.0999974 ppb	99
10) TRICHLOROFLUOROMETHANE	1.961	101	33994	4.9164267 ppb	96
11) DICHLOROFLUOROMETHANE	1.994	67	43807	5.0585853 ppb	100
12) ETHYL ETHER	2.132	59	16408	4.9204560 ppb	95
13) ACROLEIN	2.434	56	12761	23.2922185 ppb	97
14) 1,1-DICHLOROETHENE	2.257	61	32962	4.9996368 ppb	98
15) 1,1,2-TRICHLOROTRIFLUO...	2.293	101	20901	5.0658838 ppb	99
16) ACETONE	2.592	43	54940	25.5721924 ppb	97
17) IODOMETHANE	2.344	142	211692	25.8231292 ppb	100
18) CARBON DISULFIDE	2.286	76	74253	4.9656683 ppb	99
19) METHYLENE CHLORIDE	2.576	84	26532	5.1759679 ppb	100
20) ACRYLONITRILE	3.016	53	44400	23.9065101 ppb	99
21) n-Hexane	2.717	56	23165	5.0665056 ppb	87
22) TRANS-1,2-DICHLOROETHENE	2.672	96	25086	5.2295967 ppb	95
23) METHYL TERT-BUTYL ETHER	2.723	73	63490	4.9822506 ppb	99
24) 1,1-DICHLOROETHANE	3.003	63	48224	5.0437689 ppb	100
25) VINYL ACETATE	3.116	43	261952	22.6062519 ppb	100
26) DI-ISOPROPYL ETHER	2.920	45	90812	4.9438652 ppb	100
27) 2,2-Dichloropropane	3.357	77	28734	4.8167323 ppb	97
28) CIS-1,2-DICHLOROETHENE	3.293	96	27012	4.9606540 ppb	99
29) 2-BUTANONE (MEK)	3.588	43	81350	23.5610720 ppb	92
30) BROMOCHLOROMETHANE	3.402	130	15867	4.8838069 ppb	98
31) TETRAHYDROFURAN	3.530	42	8310	4.9822658 ppb	92
32) CHLOROFORM	3.431	83	45481	4.9492105 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.563	97	33936	4.9652871 ppb	98
35) CARBON TETRACHLORIDE	3.530	117	36048	4.8831580 ppb	98
36) 1,1-Dichloropropene	3.627	75	33261	4.9786345 ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 08A.D
Acq On : 15 Sep 2015 1:08 pm
Operator : 621
Sample : STD VMS 5.0 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:32:30 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.685	57	99788	4.8612258	ppb		99
38)	HEPTANE	3.730	43	47471	4.8174944	ppb		99
39)	BENZENE	3.765	78	102358	5.1962311	ppb		94
40)	1,2-DICHLOROETHANE	3.868	62	33524	5.2199576	ppb		99
42)	TRICHLOROETHENE	4.087	130	25898	5.1475832	ppb		97
43)	1,2-DICHLOROPROPANE	4.386	62	21017	4.9822220	ppb		98
44)	DIBROMOMETHANE	4.331	93	17228	4.9970450	ppb		100
45)	BROMODICHLOROMETHANE	4.415	83	35743	5.0438234	ppb		98
47)	2-CHLOROETHYL VINYL ETHER	4.733	63	70139	23.5559573	ppb		99
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	42771	4.8975965	ppb		98
49)	4-METHYL-2-PENTANONE (...	5.154	43	144494	22.9770292	ppb		97
51)	TOLUENE	4.945	91	103600	5.0279447	ppb		98
52)	TRANS-1,3-DICHLOROPROPENE	5.190	75	37421	4.5951481	ppb		96
54)	1,1,2-TRICHLOROETHANE	5.296	97	22178	5.1896735	ppb		98
55)	TETRACHLOROETHENE	5.199	164	18227	5.0315247	ppb		95
56)	1,3-Dichloropropane	5.479	76	39541	5.3909320	ppb		98
57)	2-HEXANONE	5.698	58	57269	23.7688476	ppb		98
58)	CHLORODIBROMOMETHANE	5.421	129	25848	5.0962908	ppb		99
59)	1,2-DIBROMOETHANE	5.588	107	24237	5.2314862	ppb		95
60)	CHLOROBENZENE	5.939	112	65655	5.1982251	ppb		99
61)	1,1,1,2-TETRACHLOROETHANE	5.974	133	23441	5.3256664	ppb	#	96
62)	ETHYLBENZENE	5.945	106	33190	4.9941325	ppb		97
63)	M&P-XYLENE	6.045	106	85220	10.2422350	ppb		99
64)	O-XYLENE	6.350	106	41387	5.1867131	ppb		98
65)	STYRENE	6.386	104	67374	4.9802027	ppb		99
66)	Bromoform	6.411	173	16164	4.9867144	ppb		97
67)	Isopropylbenzene	6.572	105	103504	4.9565051	ppb		99
69)	Bromobenzene	6.868	77	51103	5.2935591	ppb		97
70)	1,1,2,2-TETRACHLOROETHANE	6.913	83	32318	5.0882686	ppb	#	97
71)	1,2,3-TRICHLOROPROPANE	7.022	110	7367	5.1229523	ppb		100
72)	TRANS-1,4-DICHLORO-2-B...	7.048	53	7680	4.7490387	ppb	#	84
73)	n-Propylbenzene	6.878	91	129993	5.0861956	ppb		100
74)	4-ETHYLTOLUENE	6.955	105	107142	5.1598408	ppb		99
75)	2-Chlorotoluene	7.000	126	26475	5.9387736	ppb		77
76)	4-Chlorotoluene	7.122	91	76162	5.0945359	ppb		99
77)	1,3,5-Trimethylbenzene	7.016	105	84903	5.1480369	ppb		98
78)	tert-Butylbenzene	7.263	119	69598	5.2826225	ppb		98
79)	1,2,4-Trimethylbenzene	7.315	105	84786	5.0951555	ppb		100
80)	sec-Butylbenzene	7.398	105	112864	5.1035403	ppb		100
81)	1,3-DICHLOROBENZENE	7.575	146	48996	5.1760735	ppb		98
82)	p-Isopropyltoluene	7.508	119	89374	4.9300184	ppb		100
83)	DICYCLOPENTADIENE	7.498	66	121619	5.0946820	ppb		99
85)	1,4-DICHLOROBENZENE	7.643	146	50558	5.1117324	ppb	#	1
86)	1,2,3-TRIMETHYLBENZENE	7.656	105	89708	5.0179861	ppb		99
87)	1,2-DICHLOROBENZENE	7.974	146	46403	5.0776461	ppb		97
88)	n-Butylbenzene	7.839	91	88547	4.9455600	ppb		99
89)	1,2-Dibromo-3-chloropr...	8.607	157	4758	4.3477080	ppb		91
90)	1,2,4-Trichlorobenzene	9.173	180	28998	5.1731957	ppb		96
91)	HEXACHLORO-1,3-BUTADIENE	9.151	225	15901	5.3533800	ppb		97
92)	Naphthalene	9.440	128	65866	4.5438599	ppb		99
93)	1,2,3-Trichlorobenzene	9.598	180	26194	5.0237539	ppb		100
94)	1-Methylnaphthalene	10.321	142	32723	4.6305128	ppb		95
95)	2-Methylnaphthalene	10.443	142	28285	4.8948867	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 08A.D
Acq On : 15 Sep 2015 1:08 pm
Operator : 621
Sample : STD VMS 5.0 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:32:30 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

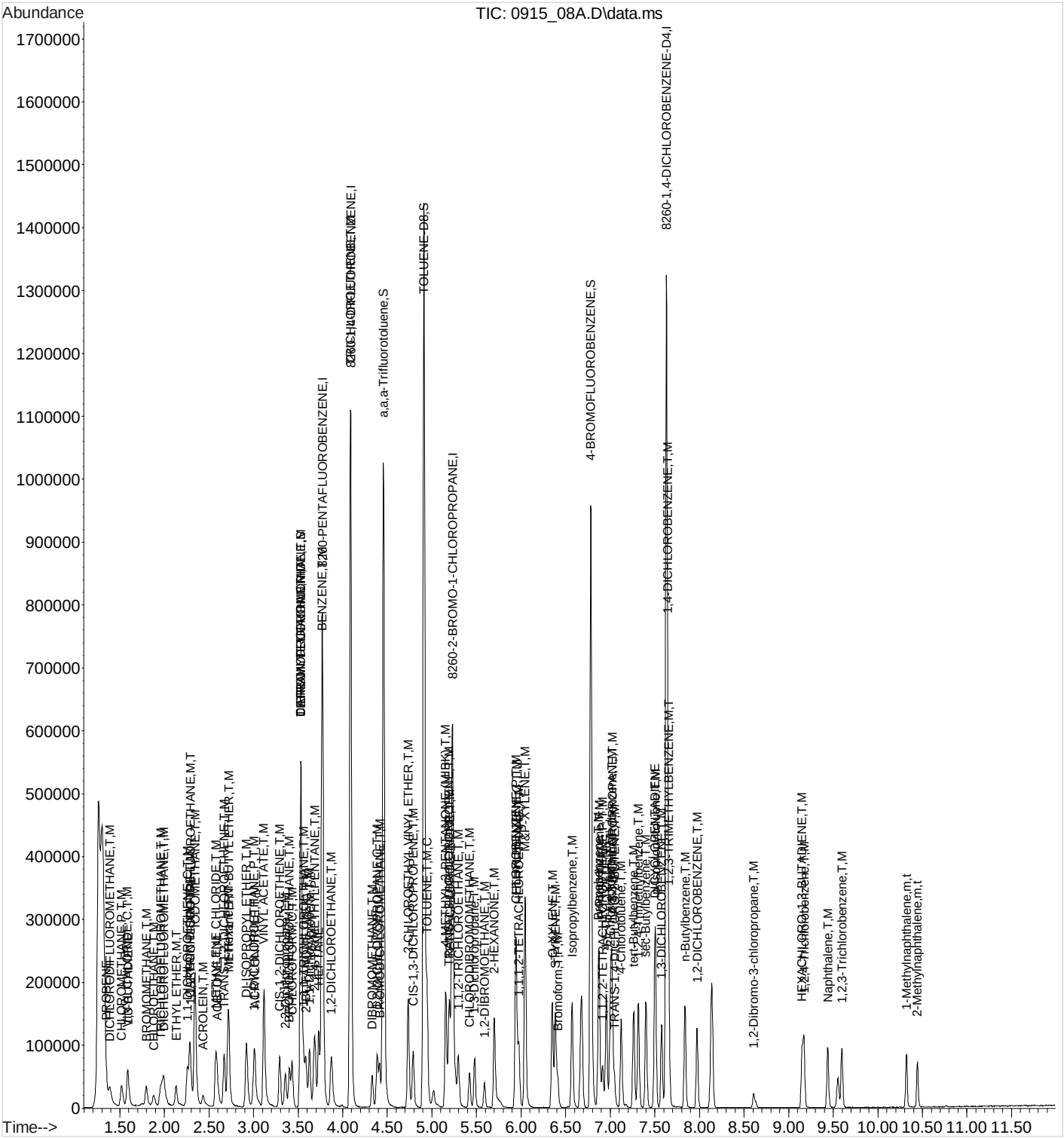
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 08A.D
Acq On : 15 Sep 2015 1:08 pm
Operator : 621
Sample : STD VMS 5.0 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:32:30 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 09A.D
Acq On : 15 Sep 2015 1:26 pm
Operator : 621
Sample : STD VMS 10 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:32:50 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.772	168	381851	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	648490	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	116127	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	296579	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.78
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.10
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.24
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.64
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.534	111	248853	43.0936278 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 107.73%		
46) a,a,a-Trifluorotoluene	4.457	146	384346	46.1439218 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 115.36%		
50) TOLUENE-D8	4.913	98	843501	44.7737599 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 111.93%		
68) 4-BROMOFLUOROBENZENE	6.784	95	315473	44.6228397 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 111.56%		
Target Compounds					Qvalue
3) PROPENE	1.351	41	7834	10.8301835 ppb	96
4) DICHLORODIFLUOROMETHANE	1.392	85	49239	10.0455244 ppb	96
5) CHLOROMETHANE	1.524	50	67718	9.9492511 ppb	99
6) VINYL CHLORIDE	1.592	62	56199	10.0278122 ppb	99
7) 1,3-BUTADIENE	1.595	39	37965	9.4835153 ppb	98
8) BROMOMETHANE	1.804	94	41082	10.2763374 ppb	95
9) CHLOROETHANE	1.884	64	29136	10.1813446 ppb	99
10) TRICHLOROFLUOROMETHANE	1.965	101	69685	10.0142805 ppb	99
11) DICHLOROFLUOROMETHANE	1.997	67	85141	9.7691655 ppb	98
12) ETHYL ETHER	2.132	59	32630	9.7229921 ppb	95
13) ACROLEIN	2.434	56	29251	53.0517873 ppb	87
14) 1,1-DICHLOROETHENE	2.257	61	64987	9.7945514 ppb	100
15) 1,1,2-TRICHLOROTRIFLUO...	2.296	101	39059	9.4068114 ppb	99
16) ACETONE	2.592	43	98992	45.7838766 ppb	97
17) IODOMETHANE	2.344	142	414040	50.1856873 ppb	100
18) CARBON DISULFIDE	2.286	76	145660	9.6791487 ppb	97
19) METHYLENE CHLORIDE	2.576	84	50628	9.8139879 ppb	99
20) ACRYLONITRILE	3.016	53	87669	46.9042742 ppb	96
21) n-Hexane	2.717	56	45342	9.8539431 ppb	98
22) TRANS-1,2-DICHLOROETHENE	2.672	96	48693	10.0864066 ppb	99
23) METHYL TERT-BUTYL ETHER	2.723	73	120921	9.4287718 ppb	97
24) 1,1-DICHLOROETHANE	3.003	63	95829	9.9591451 ppb	99
25) VINYL ACETATE	3.116	43	555745	47.6557778 ppb	100
26) DI-ISOPROPYL ETHER	2.920	45	181739	9.8311579 ppb	100
27) 2,2-Dichloropropane	3.357	77	56267	9.3722386 ppb	96
28) CIS-1,2-DICHLOROETHENE	3.293	96	54543	9.9530084 ppb	96
29) 2-BUTANONE (MEK)	3.588	43	163881	47.1627641 ppb	99
30) BROMOCHLOROMETHANE	3.402	130	31248	9.5569441 ppb	95
31) TETRAHYDROFURAN	3.531	42	16223	9.6647404 ppb	94
32) CHLOROFORM	3.434	83	89375	9.6639602 ppb	98
34) 1,1,1-TRICHLOROETHANE	3.563	97	69583	10.1162609 ppb	99
35) CARBON TETRACHLORIDE	3.534	117	73238	9.8580095 ppb	99
36) 1,1-Dichloropropene	3.630	75	66345	9.8677081 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 09A.D
Acq On : 15 Sep 2015 1:26 pm
Operator : 621
Sample : STD VMS 10 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:32:50 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.685	57	207432	10.0409865 ppb		99
38)	HEPTANE	3.730	43	98848	9.9676753 ppb		98
39)	BENZENE	3.765	78	202390	10.2091333 ppb		98
40)	1,2-DICHLOROETHANE	3.868	62	64263	9.9427220 ppb		99
42)	TRICHLOROETHENE	4.090	130	50195	10.2233809 ppb		99
43)	1,2-DICHLOROPROPANE	4.386	62	42074	10.2202868 ppb		98
44)	DIBROMOMETHANE	4.331	93	34531	10.2632399 ppb		99
45)	BROMODICHLOROMETHANE	4.415	83	71601	10.3534452 ppb		99
47)	2-CHLOROETHYL VINYL ETHER	4.733	63	145092	49.9323018 ppb		100
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	88185	10.3472573 ppb		100
49)	4-METHYL-2-PENTANONE (...	5.154	43	296372	48.2923303 ppb		96
51)	TOLUENE	4.945	91	206369	10.2629480 ppb		98
52)	TRANS-1,3-DICHLOROPROPENE	5.190	75	77784	9.7874899 ppb		99
54)	1,1,2-TRICHLOROETHANE	5.296	97	44936	9.9763975 ppb		99
55)	TETRACHLOROETHENE	5.199	164	37316	9.7732989 ppb		98
56)	1,3-Dichloropropane	5.479	76	78077	10.0995263 ppb		99
57)	2-HEXANONE	5.698	58	114773	45.1949530 ppb		100
58)	CHLORODIBROMOMETHANE	5.421	129	51902	9.7089670 ppb		99
59)	1,2-DIBROMOETHANE	5.588	107	48269	9.8849893 ppb		98
60)	CHLOROBENZENE	5.939	112	132399	9.9456611 ppb		100
61)	1,1,1,2-TETRACHLOROETHANE	5.974	133	46049	9.9261242 ppb	#	98
62)	ETHYLBENZENE	5.948	106	67916	9.6958655 ppb		96
63)	M&P-XYLENE	6.045	106	171276	19.5304116 ppb		100
64)	O-XYLENE	6.350	106	82167	9.7698386 ppb		98
65)	STYRENE	6.382	104	136353	9.5627116 ppb		98
66)	Bromoform	6.411	173	32294	9.4525542 ppb		98
67)	Isopropylbenzene	6.572	105	215926	9.8103622 ppb		99
69)	Bromobenzene	6.868	77	98353	9.6660861 ppb		99
70)	1,1,2,2-TETRACHLOROETHANE	6.916	83	64658	9.6584958 ppb		97
71)	1,2,3-TRICHLOROPROPANE	7.022	110	15073	9.9446848 ppb		100
72)	TRANS-1,4-DICHLORO-2-B...	7.048	53	16307	9.5670983 ppb	#	92
73)	n-Propylbenzene	6.874	91	257752	9.5683447 ppb		100
74)	4-ETHYLTOLUENE	6.955	105	215992	9.8690624 ppb		99
75)	2-Chlorotoluene	7.000	126	51522	10.9651654 ppb		82
76)	4-Chlorotoluene	7.122	91	157023	9.9653198 ppb		98
77)	1,3,5-Trimethylbenzene	7.016	105	171922	9.8903520 ppb		99
78)	tert-Butylbenzene	7.263	119	137969	9.9356438 ppb		100
79)	1,2,4-Trimethylbenzene	7.315	105	170643	9.7293417 ppb		99
80)	sec-Butylbenzene	7.399	105	230678	9.8965532 ppb		100
81)	1,3-DICHLOROBENZENE	7.575	146	101085	10.1318372 ppb		96
82)	p-Isopropyltoluene	7.505	119	184200	9.6402579 ppb		99
83)	DICYCLOPENTADIENE	7.498	66	242697	9.6458774 ppb		99
85)	1,4-DICHLOROBENZENE	7.643	146	101678	10.1152912 ppb	#	1
86)	1,2,3-TRIMETHYLBENZENE	7.656	105	179309	9.8690088 ppb		99
87)	1,2-DICHLOROBENZENE	7.974	146	94067	10.1280731 ppb		99
88)	n-Butylbenzene	7.836	91	183025	10.0583145 ppb		100
89)	1,2-Dibromo-3-chloropr...	8.604	157	10000	8.9910227 ppb		98
90)	1,2,4-Trichlorobenzene	9.173	180	56559	9.9280912 ppb		99
91)	HEXACHLORO-1,3-BUTADIENE	9.151	225	29877	9.8972328 ppb		98
92)	Naphthalene	9.437	128	136521	9.2669383 ppb		100
93)	1,2,3-Trichlorobenzene	9.598	180	52949	9.9921159 ppb		98
94)	1-Methylnaphthalene	10.321	142	70546	9.8224887 ppb		100
95)	2-Methylnaphthalene	10.443	142	56560	9.6309477 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 09A.D
Acq On : 15 Sep 2015 1:26 pm
Operator : 621
Sample : STD VMS 10 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:32:50 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

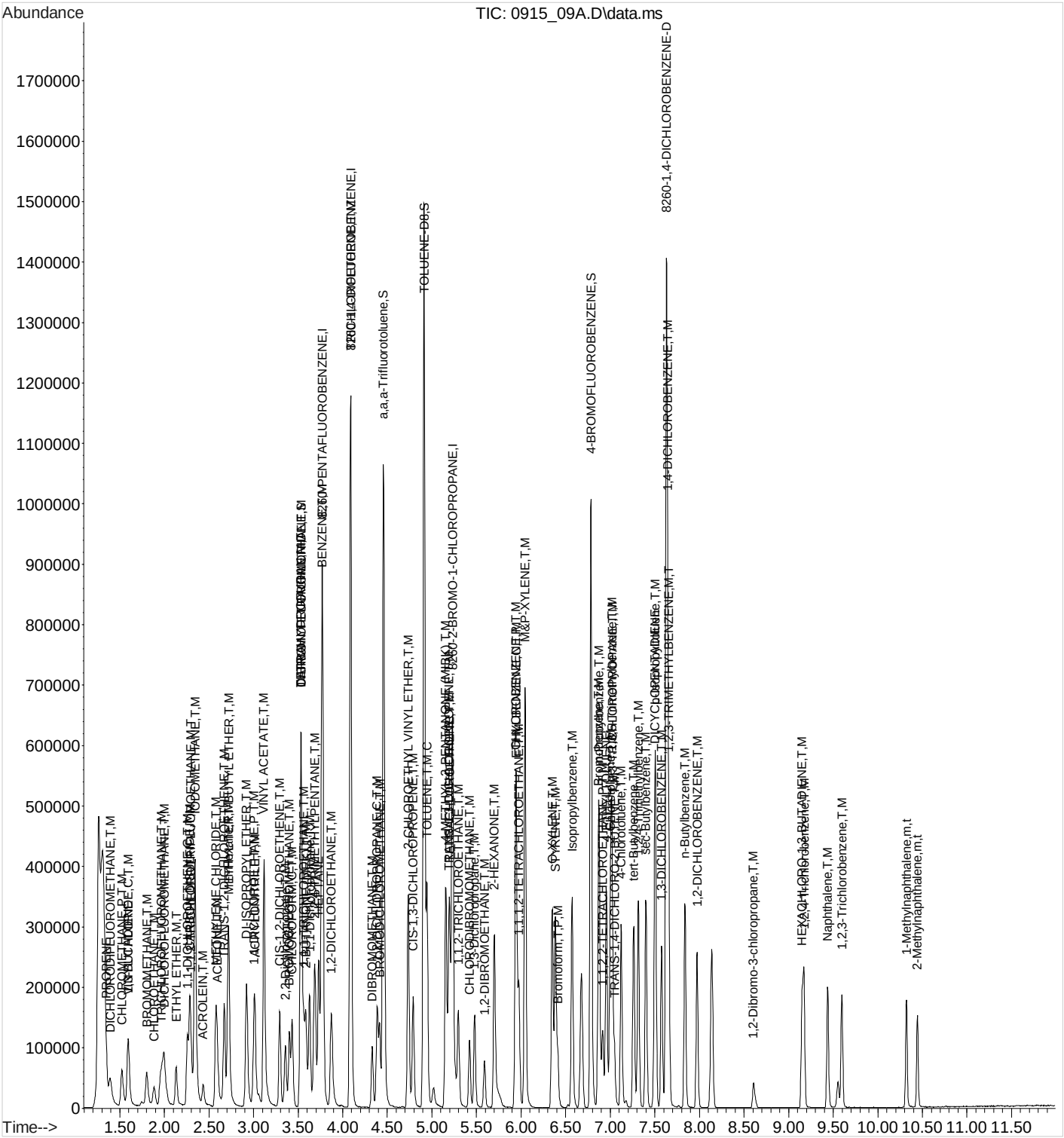
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 09A.D
Acq On : 15 Sep 2015 1:26 pm
Operator : 621
Sample : STD VMS 10 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:32:50 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 10A.D
Acq On : 15 Sep 2015 1:45 pm
Operator : 621
Sample : MSTD VMS 25 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:33:09 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	3.772	168	372566	40.0000000	ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	661679	40.0000000	ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	114009	40.0000000	ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	293427	40.0000000	ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.78
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.10
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-5.24
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-7.64
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	3.530	111	253543	45.0000000	ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 112.50%			
46) a,a,a-Trifluorotoluene	4.456	146	382441	45.0000000	ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 112.50%			
50) TOLUENE-D8	4.913	98	865005	45.0000000	ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 112.50%			
68) 4-BROMOFLUOROBENZENE	6.781	95	312337	45.0000000	ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 112.50%			
Target Compounds						Qvalue
3) PROPENE	1.350	41	17644	25.0000000	ppb	100
4) DICHLORODIFLUOROMETHANE	1.389	85	119560	25.0000000	ppb	100
5) CHLOROMETHANE	1.521	50	166021	25.0000000	ppb	100
6) VINYL CHLORIDE	1.588	62	136701	25.0000000	ppb	100
7) 1,3-BUTADIENE	1.592	39	97648	25.0000000	ppb	100
8) BROMOMETHANE	1.797	94	97513	25.0000000	ppb	100
9) CHLOROETHANE	1.878	64	69803	25.0000000	ppb	100
10) TRICHLOROFLUOROMETHANE	1.961	101	169734	25.0000000	ppb	100
11) DICHLOROFLUOROMETHANE	1.994	67	212584	25.0000000	ppb	100
12) ETHYL ETHER	2.132	59	81859	25.0000000	ppb	100
13) ACROLEIN	2.434	56	67245	125.0000000	ppb	100
14) 1,1-DICHLOROETHENE	2.257	61	161842	25.0000000	ppb	100
15) 1,1,2-TRICHLOROTRIFLUO...	2.293	101	101281	25.0000000	ppb	100
16) ACETONE	2.592	43	263698	125.0000000	ppb	100
17) IODOMETHANE	2.344	142	1006194	125.0000000	ppb	100
18) CARBON DISULFIDE	2.286	76	367073	25.0000000	ppb	100
19) METHYLENE CHLORIDE	2.575	84	125833	25.0000000	ppb	100
20) ACRYLONITRILE	3.016	53	227957	125.0000000	ppb	100
21) n-Hexane	2.717	56	112238	25.0000000	ppb	100
22) TRANS-1,2-DICHLOROETHENE	2.672	96	117755	25.0000000	ppb	100
23) METHYL TERT-BUTYL ETHER	2.723	73	312821	25.0000000	ppb	100
24) 1,1-DICHLOROETHANE	3.003	63	234706	25.0000000	ppb	100
25) VINYL ACETATE	3.116	43	1422261	125.0000000	ppb	100
26) DI-ISOPROPYL ETHER	2.923	45	450913	25.0000000	ppb	100
27) 2,2-Dichloropropane	3.357	77	146440	25.0000000	ppb	100
28) CIS-1,2-DICHLOROETHENE	3.293	96	133670	25.0000000	ppb	100
29) 2-BUTANONE (MEK)	3.585	43	423788	125.0000000	ppb	100
30) BROMOCHLOROMETHANE	3.402	130	79754	25.0000000	ppb	100
31) TETRAHYDROFURAN	3.527	42	40944	25.0000000	ppb	100
32) CHLOROFORM	3.434	83	225585	25.0000000	ppb	100
34) 1,1,1-TRICHLOROETHANE	3.563	97	167777	25.0000000	ppb	100
35) CARBON TETRACHLORIDE	3.530	117	180943	24.9623378	ppb	100
36) 1,1-Dichloropropene	3.627	75	163999	25.0000000	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 10A.D
Acq On : 15 Sep 2015 1:45 pm
Operator : 621
Sample : MSTD VMS 25 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:33:09 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.685	57	503905	25.0000000	ppb	100
38)	HEPTANE	3.730	43	241893	25.0000000	ppb	100
39)	BENZENE	3.765	78	483450	24.9943647	ppb	100
40)	1,2-DICHLOROETHANE	3.868	62	157654	25.0000000	ppb	100
42)	TRICHLOROETHENE	4.090	130	125208	24.9932131	ppb	100
43)	1,2-DICHLOROPROPANE	4.386	62	105011	25.0000000	ppb	100
44)	DIBROMOMETHANE	4.331	93	85824	25.0000000	ppb	100
45)	BROMODICHLOROMETHANE	4.415	83	176408	25.0000000	ppb	100
47)	2-CHLOROETHYL VINYL ETHER	4.733	63	370609	125.0000000	ppb	100
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	217397	25.0000000	ppb	100
49)	4-METHYL-2-PENTANONE (...	5.154	43	782092	124.8977939	ppb	100
51)	TOLUENE	4.945	91	512928	25.0000000	ppb	100
52)	TRANS-1,3-DICHLOROPROPENE	5.190	75	202452	24.9665800	ppb	100
54)	1,1,2-TRICHLOROETHANE	5.296	97	110552	25.0000000	ppb	100
55)	TETRACHLOROETHENE	5.199	164	93713	25.0000000	ppb	100
56)	1,3-Dichloropropane	5.479	76	189744	25.0000000	ppb	100
57)	2-HEXANONE	5.698	58	311649	125.0000000	ppb	100
58)	CHLORODIBROMOMETHANE	5.421	129	131207	25.0000000	ppb	100
59)	1,2-DIBROMOETHANE	5.588	107	119850	25.0000000	ppb	100
60)	CHLOROBENZENE	5.939	112	326736	25.0000000	ppb	100
61)	1,1,1,2-TETRACHLOROETHANE	5.974	133	113864	25.0000000	ppb	100
62)	ETHYLBENZENE	5.948	106	171922	25.0000000	ppb	100
63)	M&P-XYLENE	6.045	106	430488	50.0000000	ppb	100
64)	O-XYLENE	6.350	106	206311	24.9865567	ppb	100
65)	STYRENE	6.382	104	351721	25.1251539	ppb	100
66)	Bromoform	6.411	173	83853	25.0000000	ppb	100
67)	Isopropylbenzene	6.572	105	540214	25.0000000	ppb	100
69)	Bromobenzene	6.868	77	249737	25.0000000	ppb	100
70)	1,1,2,2-TETRACHLOROETHANE	6.916	83	164308	25.0000000	ppb	100
71)	1,2,3-TRICHLOROPROPANE	7.022	110	37201	25.0000000	ppb	100
72)	TRANS-1,4-DICHLORO-2-B...	7.045	53	41835	25.0000000	ppb	100
73)	n-Propylbenzene	6.878	91	661167	25.0000000	ppb	100
74)	4-ETHYLTOLUENE	6.955	105	537165	25.0000000	ppb	100
75)	2-Chlorotoluene	7.000	126	125896	27.2915673	ppb	81
76)	4-Chlorotoluene	7.122	91	386739	25.0000000	ppb	100
77)	1,3,5-Trimethylbenzene	7.019	105	426644	25.0000000	ppb	100
78)	tert-Butylbenzene	7.263	119	340825	25.0000000	ppb	100
79)	1,2,4-Trimethylbenzene	7.315	105	430478	25.0000000	ppb	100
80)	sec-Butylbenzene	7.398	105	572207	25.0048943	ppb	100
81)	1,3-DICHLOROBENZENE	7.575	146	244875	25.0000000	ppb	100
82)	p-Isopropyltoluene	7.505	119	468972	25.0000000	ppb	100
83)	DICYCLOPENTADIENE	7.498	66	617545	25.0000000	ppb	100
85)	1,4-DICHLOROBENZENE	7.643	146	248627	25.0000000	ppb	100
86)	1,2,3-TRIMETHYLBENZENE	7.656	105	449395	25.0000000	ppb	100
87)	1,2-DICHLOROBENZENE	7.974	146	229726	25.0000000	ppb	100
88)	n-Butylbenzene	7.839	91	450075	25.0000000	ppb	100
89)	1,2-Dibromo-3-chloropr...	8.607	157	27510	25.0000000	ppb	100
90)	1,2,4-Trichlorobenzene	9.173	180	140908	25.0000000	ppb	100
91)	HEXACHLORO-1,3-BUTADIENE	9.151	225	74666	25.0000000	ppb	100
92)	Naphthalene	9.437	128	364387	25.0000000	ppb	100
93)	1,2,3-Trichlorobenzene	9.598	180	131069	25.0000000	ppb	100
94)	1-Methylnaphthalene	10.321	142	177644	25.0000000	ppb	100
95)	2-Methylnaphthalene	10.443	142	145258	25.0000000	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 10A.D
Acq On : 15 Sep 2015 1:45 pm
Operator : 621
Sample : MSTD VMS 25 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:33:09 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

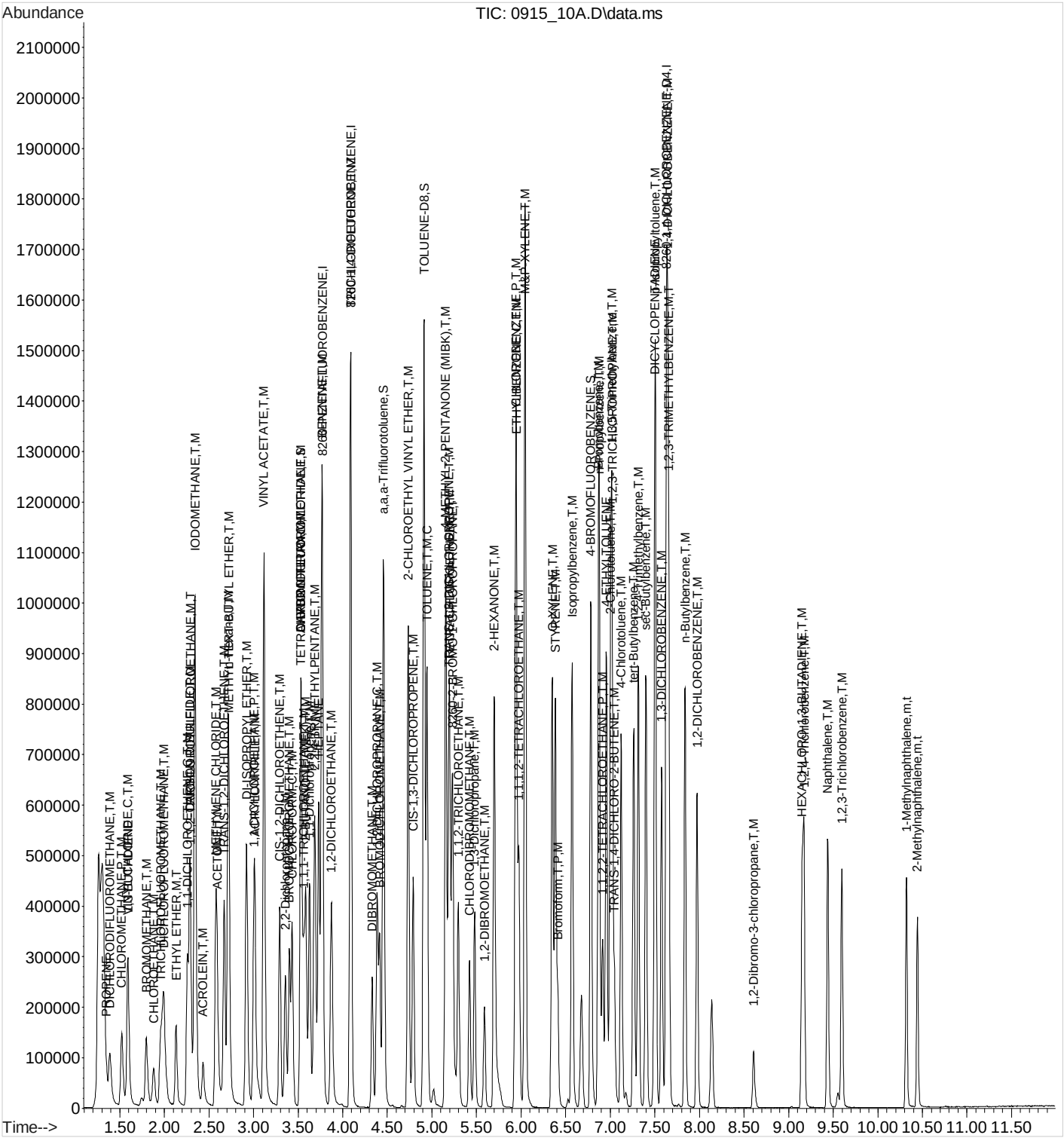
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 10A.D
Acq On : 15 Sep 2015 1:45 pm
Operator : 621
Sample : MSTD VMS 25 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:33:09 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 11A.D
Acq On : 15 Sep 2015 2:03 pm
Operator : 621
Sample : STD VMS 40 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:33:45 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.775	168	382768	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	660156	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	111134	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	295306	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.78
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.10
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.24
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.64
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.534	111	260048	44.9243708 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 112.31%		
46) a,a,a-Trifluorotoluene	4.457	146	381821	45.0306956 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 112.58%		
50) TOLUENE-D8	4.913	98	868898	45.3068084 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 113.27%		
68) 4-BROMOFLUOROBENZENE	6.781	95	321289	47.4872616 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 118.72%		
Target Compounds					Qvalue
3) PROPENE	1.354	41	30218	41.6750637 ppb	99
4) DICHLORODIFLUOROMETHANE	1.392	85	193095	39.3000160 ppb	98
5) CHLOROMETHANE	1.524	50	266868	39.1147970 ppb	98
6) VINYL CHLORIDE	1.592	62	226946	40.3978680 ppb	100
7) 1,3-BUTADIENE	1.592	39	156413	38.9777798 ppb	98
8) BROMOMETHANE	1.798	94	153417	38.2841116 ppb	98
9) CHLOROETHANE	1.881	64	113414	39.5366788 ppb	99
10) TRICHLOROFLUOROMETHANE	1.961	101	274501	39.3534389 ppb	100
11) DICHLOROFLUOROMETHANE	1.994	67	345642	39.5643049 ppb	99
12) ETHYL ETHER	2.132	59	126692	37.6608712 ppb	99
13) ACROLEIN	2.434	56	107241	194.0342813 ppb	96
14) 1,1-DICHLOROETHENE	2.257	61	254150	38.2125907 ppb	99
15) 1,1,2-TRICHLOROTRIFLUO...	2.289	101	157459	37.8309383 ppb	99
16) ACETONE	2.592	43	410521	189.4114163 ppb	95
17) IODOMETHANE	2.344	142	1634073	197.5910823 ppb	100
18) CARBON DISULFIDE	2.286	76	577069	38.2545333 ppb	99
19) METHYLENE CHLORIDE	2.579	84	201230	38.9139916 ppb	99
20) ACRYLONITRILE	3.016	53	361499	192.9442216 ppb	99
21) n-Hexane	2.717	56	173470	37.6090241 ppb	95
22) TRANS-1,2-DICHLOROETHENE	2.672	96	191783	39.6313034 ppb	97
23) METHYL TERT-BUTYL ETHER	2.724	73	494673	38.4795435 ppb	99
24) 1,1-DICHLOROETHANE	3.003	63	372414	38.6108544 ppb	99
25) VINYL ACETATE	3.119	43	2106021	180.1610919 ppb	100
26) DI-ISOPROPYL ETHER	2.923	45	722694	39.0004212 ppb	99
27) 2,2-Dichloropropane	3.357	77	221700	36.8394873 ppb	98
28) CIS-1,2-DICHLOROETHENE	3.296	96	208003	37.8654616 ppb	99
29) 2-BUTANONE (MEK)	3.585	43	653152	187.5181092 ppb	99
30) BROMOCHLOROMETHANE	3.402	130	127133	38.7894325 ppb	99
31) TETRAHYDROFURAN	3.527	42	65588	38.9799901 ppb	98
32) CHLOROFORM	3.434	83	355491	38.3465235 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.563	97	276557	40.1106626 ppb	99
35) CARBON TETRACHLORIDE	3.534	117	289995	38.9405046 ppb	100
36) 1,1-Dichloropropene	3.630	75	261924	38.8634812 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 11A.D
Acq On : 15 Sep 2015 2:03 pm
Operator : 621
Sample : STD VMS 40 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:33:45 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.685	57	795888	38.4335848	ppb		100
38)	HEPTANE	3.730	43	385569	38.7870199	ppb		99
39)	BENZENE	3.765	78	777210	39.1107833	ppb		99
40)	1,2-DICHLOROETHANE	3.868	62	258565	39.9091380	ppb		99
42)	TRICHLOROETHENE	4.090	130	196965	39.4075878	ppb		99
43)	1,2-DICHLOROPROPANE	4.386	62	166185	39.6549871	ppb		100
44)	DIBROMOMETHANE	4.331	93	135359	39.5202034	ppb		99
45)	BROMODICHLOROMETHANE	4.415	83	282521	40.1303774	ppb		99
47)	2-CHLOROETHYL VINYL ETHER	4.733	63	572821	193.6483314	ppb		100
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	352038	40.5767056	ppb		100
49)	4-METHYL-2-PENTANONE (...	5.154	43	1197275	191.6424060	ppb		100
51)	TOLUENE	4.945	91	811305	39.6340571	ppb		100
52)	TRANS-1,3-DICHLOROPROPENE	5.190	75	318829	39.4090148	ppb		99
54)	1,1,2-TRICHLOROETHANE	5.296	97	174902	40.5751721	ppb		99
55)	TETRACHLOROETHENE	5.199	164	146877	40.1963067	ppb		98
56)	1,3-Dichloropropane	5.479	76	296393	40.0619505	ppb		100
57)	2-HEXANONE	5.698	58	493736	203.1567516	ppb		100
58)	CHLORODIBROMOMETHANE	5.421	129	210679	41.1809576	ppb		100
59)	1,2-DIBROMOETHANE	5.588	107	185366	39.6665326	ppb		100
60)	CHLOROBENZENE	5.939	112	524521	41.1716329	ppb		99
61)	1,1,1,2-TETRACHLOROETHANE	5.974	133	180962	40.7599038	ppb	#	100
62)	ETHYLBENZENE	5.948	106	274396	40.9334661	ppb		99
63)	M&P-XYLENE	6.045	106	674385	80.3542861	ppb		100
64)	O-XYLENE	6.350	106	327436	40.6820326	ppb		100
65)	STYRENE	6.383	104	556277	40.7655894	ppb		100
66)	Bromoform	6.411	173	134589	41.1645299	ppb		99
67)	Isopropylbenzene	6.572	105	841259	39.9388989	ppb		100
69)	Bromobenzene	6.868	77	404262	41.5156870	ppb		100
70)	1,1,2,2-TETRACHLOROETHANE	6.916	83	253813	39.6175260	ppb		99
71)	1,2,3-TRICHLOROPROPANE	7.022	110	58940	40.6338260	ppb		99
72)	TRANS-1,4-DICHLORO-2-B...	7.048	53	66740	40.9146300	ppb		98
73)	n-Propylbenzene	6.878	91	1062242	41.2044858	ppb		100
74)	4-ETHYLTOLUENE	6.955	105	866866	41.3881926	ppb		100
75)	2-Chlorotoluene	7.000	126	203638	45.2863750	ppb		80
76)	4-Chlorotoluene	7.122	91	601164	39.8664160	ppb		99
77)	1,3,5-Trimethylbenzene	7.019	105	689057	41.4211074	ppb		98
78)	tert-Butylbenzene	7.264	119	564957	42.5124515	ppb		100
79)	1,2,4-Trimethylbenzene	7.315	105	686859	40.9212443	ppb		100
80)	sec-Butylbenzene	7.402	105	904082	40.5295582	ppb		99
81)	1,3-DICHLOROBENZENE	7.575	146	382387	40.0489256	ppb		100
82)	p-Isopropyltoluene	7.508	119	710249	38.8414931	ppb		100
83)	DICYCLOPENTADIENE	7.501	66	944363	39.2195451	ppb		100
85)	1,4-DICHLOROBENZENE	7.643	146	393124	39.2779741	ppb	#	66
86)	1,2,3-TRIMETHYLBENZENE	7.656	105	703294	38.8755447	ppb		99
87)	1,2-DICHLOROBENZENE	7.974	146	372373	40.2657548	ppb		99
88)	n-Butylbenzene	7.839	91	710663	39.2235254	ppb		99
89)	1,2-Dibromo-3-chloropr...	8.608	157	41694	37.6487692	ppb		97
90)	1,2,4-Trichlorobenzene	9.173	180	214868	37.8794707	ppb		99
91)	HEXACHLORO-1,3-BUTADIENE	9.151	225	116136	38.6377465	ppb		98
92)	Naphthalene	9.437	128	577291	39.3549825	ppb		100
93)	1,2,3-Trichlorobenzene	9.598	180	200281	37.9583719	ppb		99
94)	1-Methylnaphthalene	10.321	142	274293	38.3558836	ppb		99
95)	2-Methylnaphthalene	10.443	142	227535	38.9113198	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 11A.D
Acq On : 15 Sep 2015 2:03 pm
Operator : 621
Sample : STD VMS 40 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:33:45 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

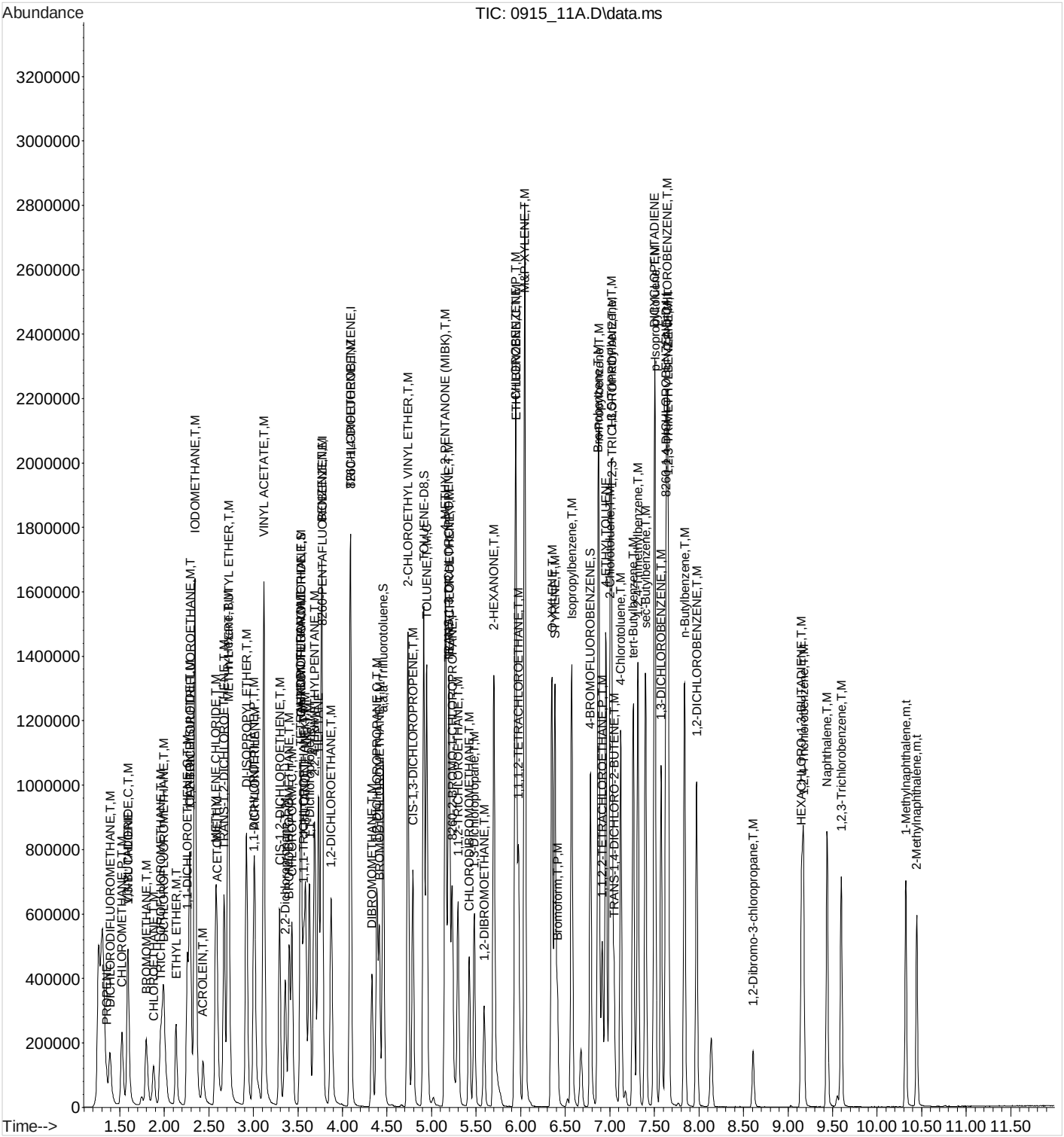
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 11A.D
Acq On : 15 Sep 2015 2:03 pm
Operator : 621
Sample : STD VMS 40 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:33:45 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 12A.D
Acq On : 15 Sep 2015 2:21 pm
Operator : 621
Sample : STD VMS 75 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:17 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.775	168	389947	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	667219	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	110951	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.630	152	289669	40.0000000 ppb	0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.78
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.10
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.24
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.64
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.534	111	268070	45.4576247 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 113.64%		
46) a,a,a-Trifluorotoluene	4.460	146	398273	46.4737675 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 116.18%#		
50) TOLUENE-D8	4.913	98	896581	46.2553928 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 115.64%#		
68) 4-BROMOFLUOROBENZENE	6.784	95	329537	48.7866703 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 121.97%#		
Target Compounds					Qvalue
3) PROPENE	1.360	41	49774	67.3818823 ppb	98
4) DICHLORODIFLUOROMETHANE	1.392	85	372086	74.3352947 ppb	97
5) CHLOROMETHANE	1.531	50	485725	69.8819598 ppb	100
6) VINYL CHLORIDE	1.595	62	430657	75.2484335 ppb	99
7) 1,3-BUTADIENE	1.595	39	292258	71.4892432 ppb	96
8) BROMOMETHANE	1.801	94	292480	71.6425937 ppb	98
9) CHLOROETHANE	1.884	64	217746	74.5098590 ppb	97
10) TRICHLOROFLUOROMETHANE	1.965	101	519401	73.0922918 ppb	100
11) DICHLOROFLUOROMETHANE	1.997	67	630910	70.8882868 ppb	99
12) ETHYL ETHER	2.132	59	237060	69.1718657 ppb	99
13) ACROLEIN	2.434	56	205716	365.3555608 ppb	96
14) 1,1-DICHLOROETHENE	2.257	61	479407	70.7539644 ppb	98
15) 1,1,2-TRICHLOROTRIFLUO...	2.293	101	294029	69.3425535 ppb	97
16) ACETONE	2.592	43	789371	357.5048845 ppb	94
17) IODOMETHANE	2.344	142	3160741	375.1585385 ppb	99
18) CARBON DISULFIDE	2.286	76	1082133	70.4151071 ppb	100
19) METHYLENE CHLORIDE	2.579	84	385847	73.2416672 ppb	97
20) ACRYLONITRILE	3.016	53	682250	357.4359743 ppb	99
21) n-Hexane	2.717	56	327558	69.7085318 ppb	97
22) TRANS-1,2-DICHLOROETHENE	2.672	96	359734	72.9692318 ppb	99
23) METHYL TERT-BUTYL ETHER	2.723	73	927554	70.8240808 ppb	100
24) 1,1-DICHLOROETHANE	3.003	63	706614	71.9110599 ppb	99
25) VINYL ACETATE	3.119	43	4068925	341.6709318 ppb	100
26) DI-ISOPROPYL ETHER	2.923	45	1341760	71.0754681 ppb	99
27) 2,2-Dichloropropane	3.357	77	403791	65.8619461 ppb	99
28) CIS-1,2-DICHLOROETHENE	3.296	96	391602	69.9759168 ppb	98
29) 2-BUTANONE (MEK)	3.588	43	1277413	359.9899074 ppb	94
30) BROMOCHLOROMETHANE	3.402	130	239167	71.6285940 ppb	99
31) TETRAHYDROFURAN	3.527	42	119636	69.7925811 ppb	98
32) CHLOROFORM	3.434	83	659731	69.8544886 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.566	97	516175	73.4855901 ppb	99
35) CARBON TETRACHLORIDE	3.534	117	545923	71.9569084 ppb	100
36) 1,1-Dichloropropene	3.630	75	498813	72.6497640 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 12A.D
Acq On : 15 Sep 2015 2:21 pm
Operator : 621
Sample : STD VMS 75 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:17 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.688	57	1430382	67.8017671 ppb		99
38)	HEPTANE	3.733	43	722955	71.3880648 ppb		97
39)	BENZENE	3.765	78	1458240	72.0306245 ppb		99
40)	1,2-DICHLOROETHANE	3.868	62	474672	71.9161226 ppb		99
42)	TRICHLOROETHENE	4.090	130	366055	72.4628322 ppb		100
43)	1,2-DICHLOROPROPANE	4.386	62	310924	73.4071575 ppb		99
44)	DIBROMOMETHANE	4.331	93	249999	72.2185018 ppb		99
45)	BROMODICHLOROMETHANE	4.415	83	537543	75.5464202 ppb		99
47)	2-CHLOROETHYL VINYL ETHER	4.736	63	1091077	364.9458242 ppb		100
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	654148	74.6004464 ppb		99
49)	4-METHYL-2-PENTANONE (...	5.154	43	2257138	357.4653761 ppb		100
51)	TOLUENE	4.945	91	1501768	72.5880942 ppb		100
52)	TRANS-1,3-DICHLOROPROPENE	5.190	75	597169	73.0319985 ppb		99
54)	1,1,2-TRICHLOROETHANE	5.296	97	326010	75.7551639 ppb		99
55)	TETRACHLOROETHENE	5.202	164	273454	74.9604808 ppb		98
56)	1,3-Dichloropropane	5.479	76	566226	76.6601527 ppb		100
57)	2-HEXANONE	5.701	58	953627	393.0345505 ppb		99
58)	CHLORODIBROMOMETHANE	5.421	129	393639	77.0706530 ppb		99
59)	1,2-DIBROMOETHANE	5.588	107	349946	75.0085758 ppb		99
60)	CHLOROBENZENE	5.939	112	964935	75.8663160 ppb		99
61)	1,1,1,2-TETRACHLOROETHANE	5.977	133	341599	77.0687080 ppb	#	99
62)	ETHYLBENZENE	5.948	106	502609	75.1011748 ppb		99
63)	M&P-XYLENE	6.045	106	1257327	150.0600586 ppb		100
64)	O-XYLENE	6.350	106	608525	75.7304204 ppb		99
65)	STYRENE	6.386	104	1016664	74.6269673 ppb		99
66)	Bromoform	6.411	173	255161	78.1706305 ppb		99
67)	Isopropylbenzene	6.572	105	1537482	73.1125833 ppb		100
69)	Bromobenzene	6.868	77	711873	73.2263783 ppb		99
70)	1,1,2,2-TETRACHLOROETHANE	6.916	83	480990	75.2012851 ppb		98
71)	1,2,3-TRICHLOROPROPANE	7.025	110	111774	77.1852123 ppb		99
72)	TRANS-1,4-DICHLORO-2-B...	7.048	53	120759	74.1528178 ppb	#	93
73)	n-Propylbenzene	6.878	91	1902182	73.9075529 ppb		100
74)	4-ETHYLTOLUENE	6.958	105	1554529	74.3428224 ppb		99
75)	2-Chlorotoluene	7.003	126	375291	83.5973692 ppb		81
76)	4-Chlorotoluene	7.125	91	1137999	75.5913035 ppb		99
77)	1,3,5-Trimethylbenzene	7.019	105	1270445	76.4958985 ppb		99
78)	tert-Butylbenzene	7.263	119	1035254	78.0303218 ppb		100
79)	1,2,4-Trimethylbenzene	7.315	105	1253067	74.7775541 ppb		100
80)	sec-Butylbenzene	7.402	105	1639813	73.6332716 ppb		99
81)	1,3-DICHLOROBENZENE	7.575	146	687818	72.1567580 ppb		100
82)	p-Isopropyltoluene	7.508	119	1314622	72.0115081 ppb		100
83)	DICYCLOPENTADIENE	7.501	66	1737048	72.2588647 ppb		100
85)	1,4-DICHLOROBENZENE	7.643	146	718648	73.1991425 ppb	#	39
86)	1,2,3-TRIMETHYLBENZENE	7.656	105	1291765	72.7936237 ppb		99
87)	1,2-DICHLOROBENZENE	7.974	146	677765	74.7148707 ppb		99
88)	n-Butylbenzene	7.839	91	1322425	74.4087866 ppb		100
89)	1,2-Dibromo-3-chloropr...	8.607	157	84620	77.8969570 ppb		98
90)	1,2,4-Trichlorobenzene	9.173	180	413325	74.2837955 ppb		99
91)	HEXACHLORO-1,3-BUTADIENE	9.154	225	220721	74.8615528 ppb		99
92)	Naphthalene	9.440	128	1106863	76.9252750 ppb		100
93)	1,2,3-Trichlorobenzene	9.598	180	383555	74.1081078 ppb		100
94)	1-Methylnaphthalene	10.321	142	529441	75.4753418 ppb		99
95)	2-Methylnaphthalene	10.443	142	422751	73.7025723 ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 12A.D
Acq On : 15 Sep 2015 2:21 pm
Operator : 621
Sample : STD VMS 75 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:17 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

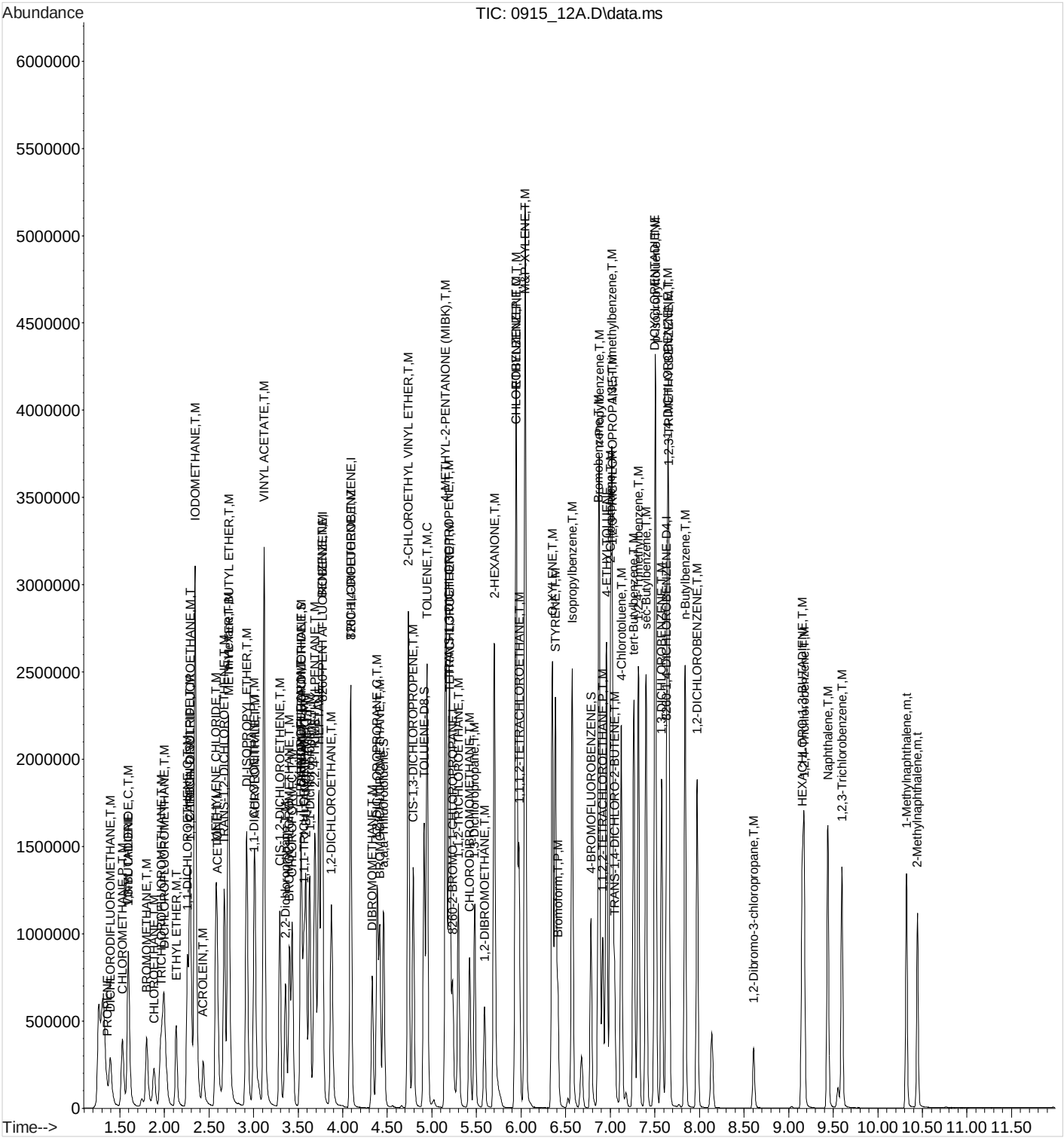
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 12A.D
Acq On : 15 Sep 2015 2:21 pm
Operator : 621
Sample : STD VMS 75 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:17 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 13A.D
Acq On : 15 Sep 2015 2:39 pm
Operator : 621
Sample : STD VMS 100 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:38 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.772	168	389004	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	661182	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	107559	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.633	152	297073	40.0000000 ppb	# 0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.78
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.10
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.24
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.64
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.530	111	273113	46.4250536 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 116.06%		
46) a,a,a-Trifluorotoluene	4.456	146	393298	46.3122772 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 115.78%		
50) TOLUENE-D8	4.913	98	895070	46.5990676 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 116.50%#		
68) 4-BROMOFLUOROBENZENE	6.784	95	326904	49.9231171 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 124.81%#		
Target Compounds					Qvalue
3) PROPENE	1.354	41	70745	96.0036760 ppb	98
4) DICHLORODIFLUOROMETHANE	1.389	85	500191	100.1703353 ppb	97
5) CHLOROMETHANE	1.524	50	673197	97.0886153 ppb	100
6) VINYL CHLORIDE	1.588	62	606096	106.1595055 ppb	99
7) 1,3-BUTADIENE	1.588	39	407583	99.9405810 ppb	98
8) BROMOMETHANE	1.794	94	411149	100.9545463 ppb	98
9) CHLOROETHANE	1.868	64	247285	84.8228472 ppb	98
10) TRICHLOROFLUOROMETHANE	1.949	101	721404	101.7650993 ppb	99
11) DICHLOROFLUOROMETHANE	1.984	67	874680	98.5162297 ppb	99
12) ETHYL ETHER	2.129	59	335576	98.1552693 ppb	100
13) ACROLEIN	2.434	56	301756	537.2235982 ppb	96
14) 1,1-DICHLOROETHENE	2.251	61	650733	96.2721687 ppb	100
15) 1,1,2-TRICHLOROTRIFLUO...	2.286	101	397568	93.9880417 ppb	97
16) ACETONE	2.595	43	1378999	626.0604663 ppb	100
17) IODOMETHANE	2.338	142	4119386	490.1284705 ppb	100
18) CARBON DISULFIDE	2.280	76	1496842	97.6366073 ppb	100
19) METHYLENE CHLORIDE	2.575	84	512544	97.5272018 ppb	99
20) ACRYLONITRILE	3.016	53	951818	499.8735366 ppb	99
21) n-Hexane	2.714	56	439085	93.6694224 ppb	93
22) TRANS-1,2-DICHLOROETHENE	2.669	96	478701	97.3361442 ppb	100
23) METHYL TERT-BUTYL ETHER	2.723	73	1261561	96.5609468 ppb	99
24) 1,1-DICHLOROETHANE	3.003	63	928434	94.7143984 ppb	98
25) VINYL ACETATE	3.116	43	5199370	437.6536831 ppb	100
26) DI-ISOPROPYL ETHER	2.923	45	1797410	95.4428849 ppb	100
27) 2,2-Dichloropropane	3.357	77	545146	89.1337689 ppb	98
28) CIS-1,2-DICHLOROETHENE	3.293	96	529380	94.8249762 ppb	99
29) 2-BUTANONE (MEK)	3.588	43	1847067	521.7868852 ppb	98
30) BROMOCHLOROMETHANE	3.402	130	323416	97.0952956 ppb	99
31) TETRAHYDROFURAN	3.527	42	186450	109.0338331 ppb	98
32) CHLOROFORM	3.431	83	888294	94.2834946 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.563	97	705177	100.6363496 ppb	99
35) CARBON TETRACHLORIDE	3.530	117	759553	100.3577011 ppb	100
36) 1,1-Dichloropropene	3.627	75	653728	95.4432122 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 13A.D
Acq On : 15 Sep 2015 2:39 pm
Operator : 621
Sample : STD VMS 100 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:38 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.685	57	1934600	91.9245847 ppb		98
38)	HEPTANE	3.730	43	926983	91.7566670 ppb		98
39)	BENZENE	3.765	78	1971216	97.6054135 ppb		98
40)	1,2-DICHLOROETHANE	3.868	62	642877	97.6364668 ppb		99
42)	TRICHLOROETHENE	4.087	130	498330	99.5481920 ppb		99
43)	1,2-DICHLOROPROPANE	4.386	62	410570	97.8179950 ppb		99
44)	DIBROMOMETHANE	4.331	93	346660	101.0558174 ppb		98
45)	BROMODICHLOROMETHANE	4.415	83	710527	100.7693942 ppb		100
47)	2-CHLOROETHYL VINYL ETHER	4.736	63	1492650	503.8234370 ppb		100
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	873645	100.5420619 ppb		99
49)	4-METHYL-2-PENTANONE (...	5.157	43	3159785	504.9876842 ppb		100
51)	TOLUENE	4.945	91	2055676	100.2685181 ppb		100
52)	TRANS-1,3-DICHLOROPROPENE	5.190	75	810233	99.9938388 ppb		99
54)	1,1,2-TRICHLOROETHANE	5.296	97	442988	106.1836738 ppb		99
55)	TETRACHLOROETHENE	5.199	164	377175	106.6535823 ppb		99
56)	1,3-Dichloropropane	5.479	76	750063	104.7519413 ppb		100
57)	2-HEXANONE	5.701	58	1322752	562.3608552 ppb		99
58)	CHLORODIBROMOMETHANE	5.421	129	543550	109.7778912 ppb		99
59)	1,2-DIBROMOETHANE	5.588	107	476323	105.3163753 ppb		99
60)	CHLOROBENZENE	5.939	112	1321647	107.1891620 ppb		99
61)	1,1,1,2-TETRACHLOROETHANE	5.977	133	460654	107.2064214 ppb	#	100
62)	ETHYLBENZENE	5.948	106	680332	104.8628926 ppb		98
63)	M&P-XYLENE	6.045	106	1707499	210.2140759 ppb		99
64)	O-XYLENE	6.350	106	836092	107.3323098 ppb		99
65)	STYRENE	6.386	104	1417420	107.3251166 ppb		99
66)	Bromoform	6.411	173	349667	110.5015657 ppb		99
67)	Isopropylbenzene	6.572	105	2163099	106.1067349 ppb		99
69)	Bromobenzene	6.868	77	983617	104.3699619 ppb		98
70)	1,1,2,2-TETRACHLOROETHANE	6.916	83	664655	107.1938714 ppb		98
71)	1,2,3-TRICHLOROPROPANE	7.025	110	157723	112.3499294 ppb		100
72)	TRANS-1,4-DICHLORO-2-B...	7.048	53	172850	109.4868598 ppb	#	94
73)	n-Propylbenzene	6.878	91	2644719	105.9987528 ppb		99
74)	4-ETHYLTOLUENE	6.958	105	2176589	107.3744894 ppb		100
75)	2-Chlorotoluene	7.003	126	514314	118.1781732 ppb		81
76)	4-Chlorotoluene	7.125	91	1529954	104.8317396 ppb		100
77)	1,3,5-Trimethylbenzene	7.019	105	1808836	112.3481537 ppb		99
78)	tert-Butylbenzene	7.263	119	1441009	112.0385912 ppb		99
79)	1,2,4-Trimethylbenzene	7.315	105	1761121	108.4103193 ppb		100
80)	sec-Butylbenzene	7.402	105	2349722	108.8380420 ppb		100
81)	1,3-DICHLOROBENZENE	7.579	146	980469	106.1015692 ppb		100
82)	p-Isopropyltoluene	7.508	119	1865250	105.3956105 ppb		99
83)	DICYCLOPENTADIENE	7.501	66	2398974	102.9412223 ppb		100
85)	1,4-DICHLOROBENZENE	7.643	146	1009239	100.2357479 ppb	#	30
86)	1,2,3-TRIMETHYLBENZENE	7.656	105	1851826	101.7533793 ppb		100
87)	1,2-DICHLOROBENZENE	7.974	146	947397	101.8353955 ppb		99
88)	n-Butylbenzene	7.839	91	1862543	102.1876279 ppb		100
89)	1,2-Dibromo-3-chloropr...	8.607	157	123442	110.8024234 ppb		99
90)	1,2,4-Trichlorobenzene	9.173	180	632990	110.9272122 ppb		98
91)	HEXACHLORO-1,3-BUTADIENE	9.154	225	336172	111.1771539 ppb		97
92)	Naphthalene	9.440	128	1659748	112.4750460 ppb		100
93)	1,2,3-Trichlorobenzene	9.598	180	599270	112.9014322 ppb		100
94)	1-Methylnaphthalene	10.321	142	859636	119.4925836 ppb		100
95)	2-Methylnaphthalene	10.443	142	693405	117.8755708 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 13A.D
Acq On : 15 Sep 2015 2:39 pm
Operator : 621
Sample : STD VMS 100 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:38 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

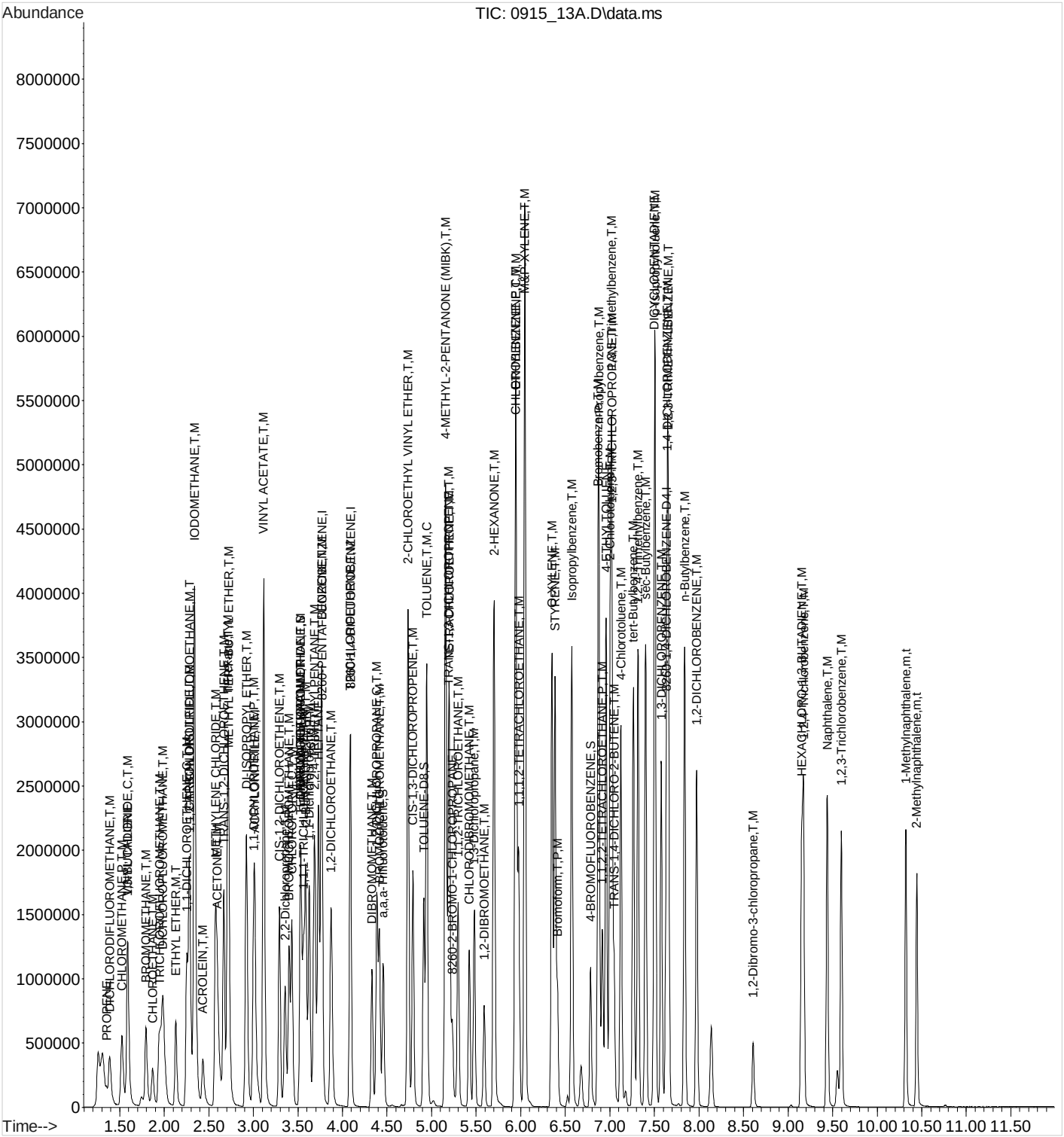
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 13A.D
Acq On : 15 Sep 2015 2:39 pm
Operator : 621
Sample : STD VMS 100 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:38 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 14A.D
Acq On : 15 Sep 2015 2:58 pm
Operator : 621
Sample : STD VMS 200 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:58 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	3.775	168	393588	40.0000000 ppb	0.00
41) 8260-1,4-DIFLUOROBENZENE	4.090	114	669255	40.0000000 ppb	0.00
53) 8260-2-BROMO-1-CHLOROP...	5.231	79	110736	40.0000000 ppb	0.00
84) 8260-1,4-DICHLOROBENZE...	7.633	152	296516	40.0000000 ppb	# 0.00
96) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.78
114) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.10
122) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000 ppb	-5.24
128) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000 ppb	-7.64
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	3.534	111	280994	47.2084027 ppb	0.00
Spiked Amount 40.000	Range 79 - 121		Recovery = 118.02%		
46) a,a,a-Trifluorotoluene	4.457	146	393706	45.8010916 ppb	0.00
Spiked Amount 40.000	Range 90 - 116		Recovery = 114.50%		
50) TOLUENE-D8	4.913	98	918357	47.2347002 ppb	0.00
Spiked Amount 40.000	Range 90 - 115		Recovery = 118.09%#		
68) 4-BROMOFLUOROBENZENE	6.784	95	330032	48.9548174 ppb	0.00
Spiked Amount 40.000	Range 80 - 120		Recovery = 122.39%#		
Target Compounds					Qvalue
3) PROPENE	1.357	41	136441	182.9992136 ppb	99
4) DICHLORODIFLUOROMETHANE	1.389	85	984996	194.9619856 ppb	97
5) CHLOROMETHANE	1.531	50	1344944	191.7090236 ppb	99
6) VINYL CHLORIDE	1.592	62	1237209	214.1769639 ppb	99
7) 1,3-BUTADIENE	1.595	39	839123	203.3591188 ppb	100
8) BROMOMETHANE	1.798	94	807710	196.0172630 ppb	98
9) CHLOROETHANE	1.868	64	450663	152.7844637 ppb	98
10) TRICHLOROFLUOROMETHANE	1.945	101	1437572	200.4297285 ppb	99
11) DICHLOROFLUOROMETHANE	1.984	67	1709076	190.2532919 ppb	99
12) ETHYL ETHER	2.132	59	657498	190.0769174 ppb	100
13) ACROLEIN	2.437	56	681595	1199.3274703 ppb	96
14) 1,1-DICHLOROETHENE	2.251	61	1306682	191.0645214 ppb	99
15) 1,1,2-TRICHLOROTRIFLUO...	2.289	101	801843	187.3539011 ppb	97
16) ACETONE	2.598	43	2746193	1232.2408532 ppb	100
17) IODOMETHANE	2.338	142	8461138	994.9893640 ppb	99
18) CARBON DISULFIDE	2.280	76	3005185	193.7403813 ppb	100
19) METHYLENE CHLORIDE	2.576	84	1010521	190.0431285 ppb	99
20) ACRYLONITRILE	3.019	53	1858909	964.8872784 ppb	99
21) n-Hexane	2.714	56	861605	181.6643336 ppb	94
22) TRANS-1,2-DICHLOROETHENE	2.669	96	944441	189.8002825 ppb	98
23) METHYL TERT-BUTYL ETHER	2.727	73	2539561	192.1162619 ppb	97
24) 1,1-DICHLOROETHANE	3.003	63	1849617	186.4914799 ppb	99
25) VINYL ACETATE	3.119	43	10069572	837.7281196 ppb	99
26) DI-ISOPROPYL ETHER	2.923	45	3636886	190.8702800 ppb	100
27) 2,2-Dichloropropane	3.357	77	984535	159.1009667 ppb	97
28) CIS-1,2-DICHLOROETHENE	3.293	96	1048736	185.6665242 ppb	98
29) 2-BUTANONE (MEK)	3.588	43	3604521	1006.3992125 ppb	98
30) BROMOCHLOROMETHANE	3.402	130	636506	188.8649669 ppb	98
31) TETRAHYDROFURAN	3.531	42	355660	205.5635620 ppb	99
32) CHLOROFORM	3.434	83	1761462	184.7840319 ppb	99
34) 1,1,1-TRICHLOROETHANE	3.563	97	1373341	193.7079032 ppb	99
35) CARBON TETRACHLORIDE	3.531	117	1504552	196.4771461 ppb	100
36) 1,1-Dichloropropene	3.627	75	1303453	188.0856035 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 14A.D
Acq On : 15 Sep 2015 2:58 pm
Operator : 621
Sample : STD VMS 200 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:58 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37)	2,2,4-TRIMETHYLPENTANE	3.688	57	3537577	166.1340349 ppb		98
38)	HEPTANE	3.730	43	1899957	185.8753718 ppb	#	65
39)	BENZENE	3.765	78	3871742	189.4777931 ppb		97
40)	1,2-DICHLOROETHANE	3.868	62	1255793	188.5013404 ppb		99
42)	TRICHLOROETHENE	4.090	130	1000070	197.3677276 ppb		99
43)	1,2-DICHLOROPROPANE	4.386	62	817951	192.5254863 ppb		99
44)	DIBROMOMETHANE	4.331	93	682330	196.5085496 ppb		98
45)	BROMODICHLOROMETHANE	4.415	83	1423308	199.4235072 ppb		100
47)	2-CHLOROETHYL VINYL ETHER	4.736	63	2950227	983.7963606 ppb		100
48)	CIS-1,3-DICHLOROPROPENE	4.791	75	1782427	202.6534218 ppb		100
49)	4-METHYL-2-PENTANONE (...	5.157	43	6286884	992.6316031 ppb		99
51)	TOLUENE	4.945	91	4201942	202.4833801 ppb		100
52)	TRANS-1,3-DICHLOROPROPENE	5.193	75	1621694	197.7250168 ppb		98
54)	1,1,2-TRICHLOROETHANE	5.299	97	890731	207.3816266 ppb		98
55)	TETRACHLOROETHENE	5.202	164	769056	211.2265166 ppb		99
56)	1,3-Dichloropropane	5.479	76	1479326	200.6717101 ppb		100
57)	2-HEXANONE	5.701	58	2648439	1093.6656056 ppb		98
58)	CHLORODIBROMOMETHANE	5.424	129	1073182	210.5264598 ppb		98
59)	1,2-DIBROMOETHANE	5.592	107	944012	202.7354941 ppb		100
60)	CHLOROBENZENE	5.939	112	2671527	210.4519203 ppb		99
61)	1,1,1,2-TETRACHLOROETHANE	5.977	133	940334	212.5621901 ppb		99
62)	ETHYLBENZENE	5.948	106	1407831	210.7702848 ppb		100
63)	M&P-XYLENE	6.048	106	3521622	421.1162471 ppb		100
64)	O-XYLENE	6.350	106	1661916	207.2255975 ppb		99
65)	STYRENE	6.386	104	2799195	205.8703915 ppb		99
66)	Bromoform	6.415	173	696646	213.8374939 ppb		99
67)	Isopropylbenzene	6.575	105	4330268	206.3190141 ppb		99
69)	Bromobenzene	6.871	77	1978790	203.9422140 ppb		97
70)	1,1,2,2-TETRACHLOROETHANE	6.916	83	1292800	202.5176817 ppb		99
71)	1,2,3-TRICHLOROPROPANE	7.026	110	305662	211.4838214 ppb		99
72)	TRANS-1,4-DICHLORO-2-B...	7.051	53	344786	212.1290577 ppb		95
73)	n-Propylbenzene	6.878	91	5351158	208.3180581 ppb		99
74)	4-ETHYLTOLUENE	6.961	105	4390767	210.3889843 ppb		99
75)	2-Chlorotoluene	7.003	126	1034619	230.9124236 ppb		79
76)	4-Chlorotoluene	7.125	91	3142667	209.1561834 ppb		100
77)	1,3,5-Trimethylbenzene	7.022	105	3623670	218.6116546 ppb		99
78)	tert-Butylbenzene	7.267	119	2923639	220.7916354 ppb		99
79)	1,2,4-Trimethylbenzene	7.318	105	3523500	210.6753032 ppb		100
80)	sec-Butylbenzene	7.402	105	4745697	213.5119403 ppb		100
81)	1,3-DICHLOROBENZENE	7.579	146	1958898	205.9006355 ppb		100
82)	p-Isopropyltoluene	7.511	119	3929622	215.6722036 ppb		99
83)	DICYCLOPENTADIENE	7.501	66	4821217	200.9455452 ppb		99
85)	1,4-DICHLOROBENZENE	7.646	146	2066015	205.5782335 ppb	#	18
86)	1,2,3-TRIMETHYLBENZENE	7.659	105	3836143	211.1827793 ppb		100
87)	1,2-DICHLOROBENZENE	7.977	146	1896684	204.2569201 ppb		99
88)	n-Butylbenzene	7.839	91	3773988	207.4471984 ppb		100
89)	1,2-Dibromo-3-chloropr...	8.608	157	243295	218.7935639 ppb		99
90)	1,2,4-Trichlorobenzene	9.173	180	1390829	244.1912152 ppb		99
91)	HEXACHLORO-1,3-BUTADIENE	9.154	225	736847	244.1441840 ppb		98
92)	Naphthalene	9.440	128	3427233	232.6873136 ppb		100
93)	1,2,3-Trichlorobenzene	9.598	180	1225687	231.3510863 ppb		99
94)	1-Methylnaphthalene	10.321	142	1658172	230.9250163 ppb		99
95)	2-Methylnaphthalene	10.447	142	1352596	230.3668521 ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 14A.D
Acq On : 15 Sep 2015 2:58 pm
Operator : 621
Sample : STD VMS 200 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:58 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration

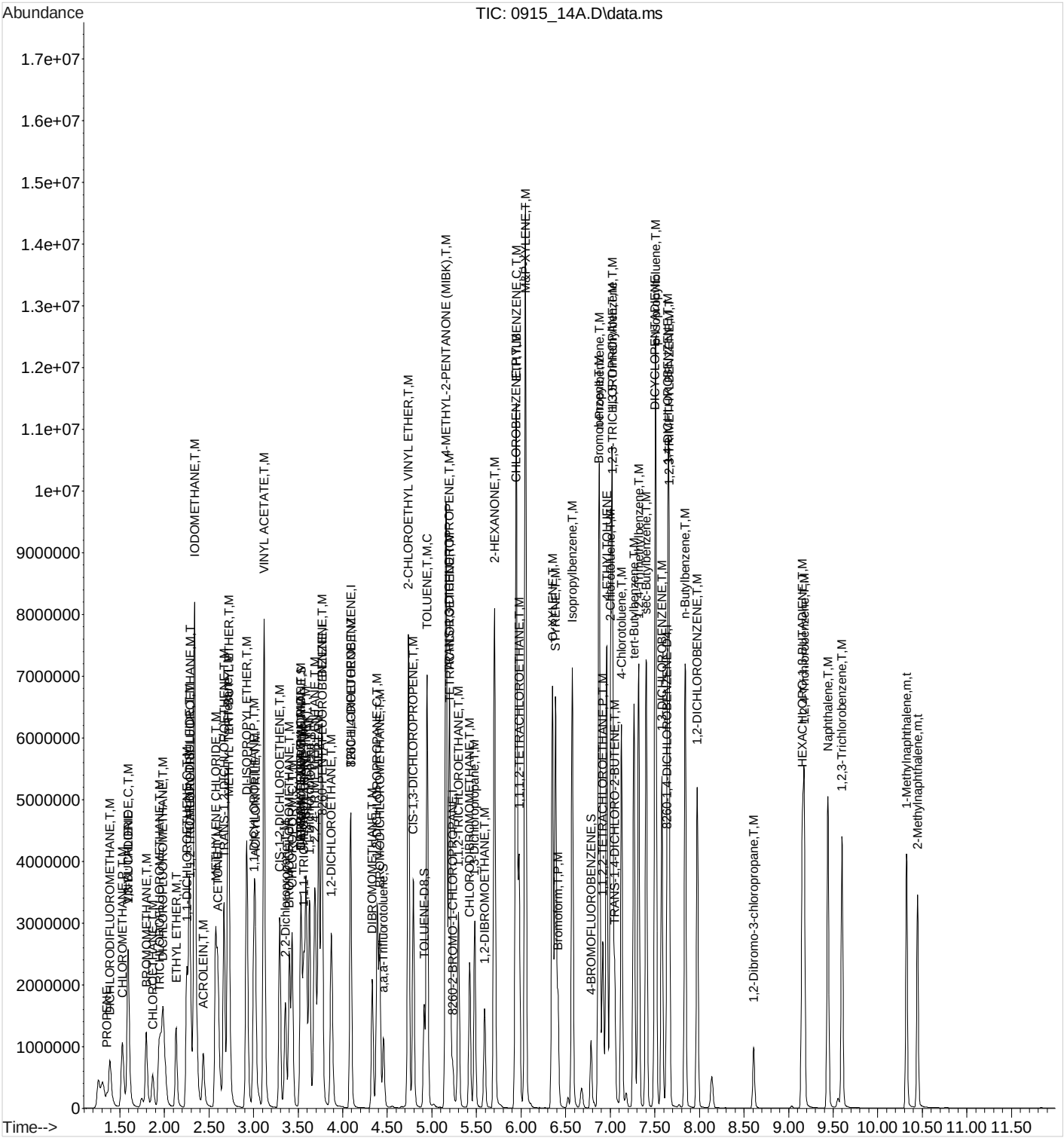
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 14A.D
Acq On : 15 Sep 2015 2:58 pm
Operator : 621
Sample : STD VMS 200 ppb 15I04618
Misc : water IS/SURR15A20860
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:34:58 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:25:47 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 18A.D
Acq On : 15 Sep 2015 4:11 pm
Operator : 621
Sample : STD VMS 1a ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:49:16 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

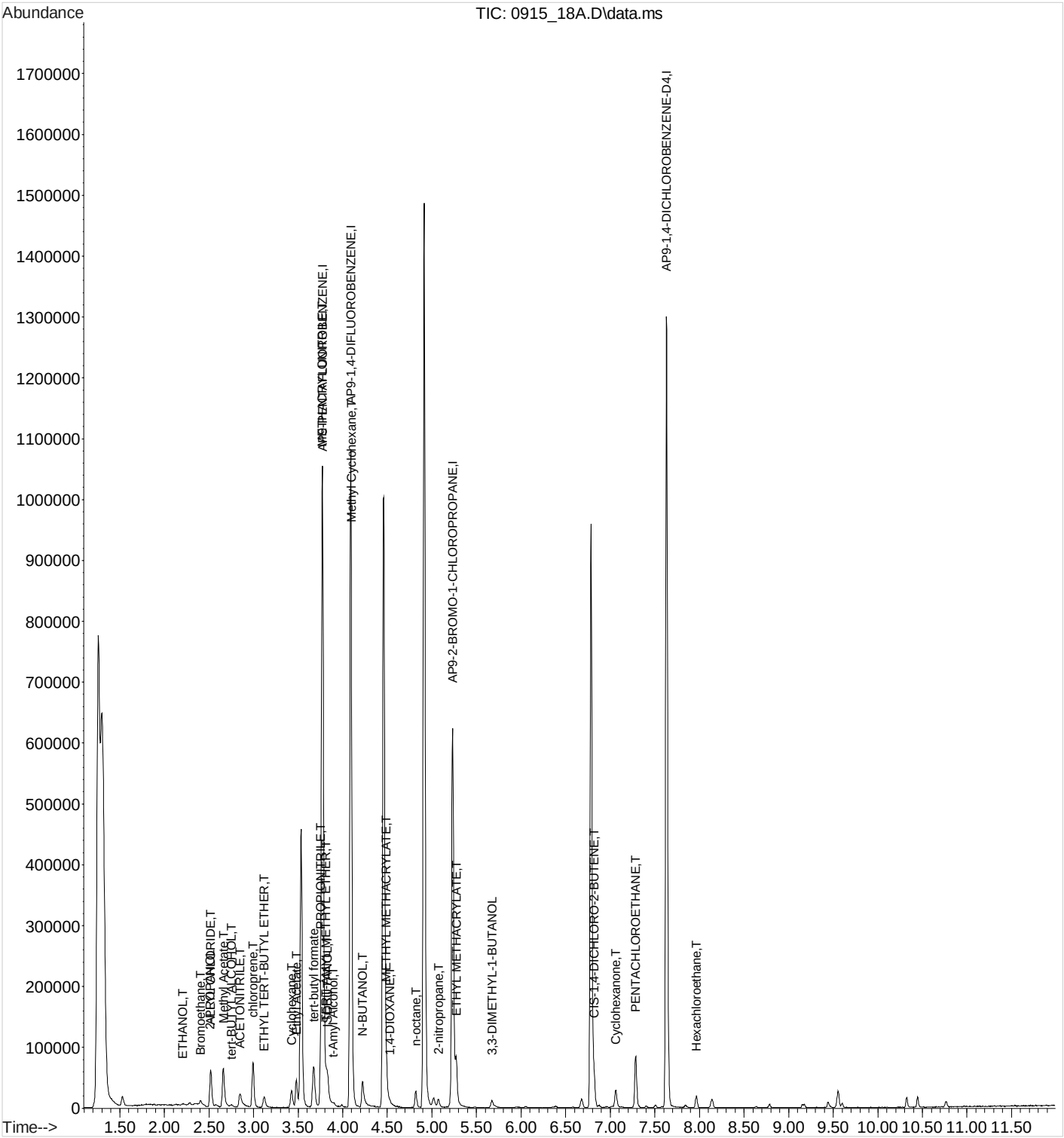
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
1)	8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.77
41)	8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.09
53)	8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb	-5.23
84)	8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb	-7.63
96)	AP9-PENTAFLUOROBENZENE	3.775	168	410595	40.0000000	ppb	0.00
114)	AP9-1,4-DIFLUOROBENZENE	4.090	114	692748	40.0000000	ppb	0.00
122)	AP9-2-BROMO-1-CHLOROPR...	5.231	79	117003	40.0000000	ppb	0.00
128)	AP9-1,4-DICHLOROBENZEN...	7.630	152	308564	40.0000000	ppb	0.00
	System Monitoring Compounds						
33)	DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb	
	Spiked Amount 40.000	Range 79 - 121		Recovery	= 0.00%#		
46)	a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb	
	Spiked Amount 40.000	Range 90 - 116		Recovery	= 0.00%#		
50)	TOLUENE-D8	0.000	98	0d	0.0000000	ppb	
	Spiked Amount 40.000	Range 90 - 115		Recovery	= 0.00%#		
68)	4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb	
	Spiked Amount 40.000	Range 80 - 120		Recovery	= 0.00%#		
	Target Compounds						Qvalue
97)	ETHANOL	2.202	45	3631	73.5276853	ppb #	48
98)	Bromoethane	2.405	108	4232	1.0443778	ppb	83
99)	2-PROPANOL	2.514	45	1941	6.4095888	ppb #	65
100)	Methyl Acetate	2.662	43	79231	19.8130641	ppb #	100
101)	ACETONITRILE	2.849	41	29232	43.2767973	ppb	94
102)	ALLYL CHLORIDE	2.521	76	11689	4.9974196	ppb	97
103)	tert-BUTYL ALCOHOL	2.752	59	4231	4.3192216	ppb #	89
104)	chloroprene	2.993	53	37532	5.1903447	ppb	100
105)	ETHYL TERT-BUTYL ETHER	3.119	59	14946	1.0209227	ppb	98
106)	PROPIONITRILE	3.752	54	36673	50.4548785	ppb #	82
107)	Ethyl Acetate	3.479	43	52342	9.8073084	ppb	99
108)	METHACRYLONITRILE	3.768	67	104664	51.0026032	ppb	99
109)	Cyclohexane	3.428	56	12566	1.0685580	ppb	96
110)	tert-butyl formate	3.675	59	31718	9.4644483	ppb	93
111)	ISOBUTANOL	3.829	43	29601	85.2017850	ppb	93
112)	t-Amyl Alcohol	3.891	59	2275	4.6748000	ppb	96
113)	TERT-AMYL METHYL ETHER	3.813	73	16389	1.0297525	ppb	81
115)	N-BUTANOL	4.222	56	26393	153.5291883	ppb	98
116)	Methyl Cyclohexane	4.096	83	18194	1.5687817	ppb #	78
117)	2-nitropropane	5.074	43	7344	4.6083030	ppb	88
118)	METHYL METHACRYLATE	4.485	41	24443	4.3945281	ppb #	33
119)	1,4-DIOXANE	4.530	88	3935	74.0246031	ppb #	89
120)	n-octane	4.820	85	3900	0.9372763	ppb	92
121)	3,3-DIMETHYL-1-BUTANOL	5.675	57	6534	8.3909079	ppb	91
123)	ETHYL METHACRYLATE	5.276	69	23887	3.9136249	ppb #	36
124)	CIS-1,4-DICHLORO-2-BUTENE	6.816	53	7931	4.4938836	ppb #	19
125)	Cyclohexanone	7.061	55	13199	8.9698522	ppb	97
126)	PENTACHLOROETHANE	7.283	117	16133	4.5728080	ppb	98
127)	Hexachloroethane	7.964	117	3479	0.8033657	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 18A.D
Acq On : 15 Sep 2015 4:11 pm
Operator : 621
Sample : STD VMS 1a ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:49:16 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 19A.D
Acq On : 15 Sep 2015 4:29 pm
Operator : 621
Sample : STD VMS 2.5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:51:04 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

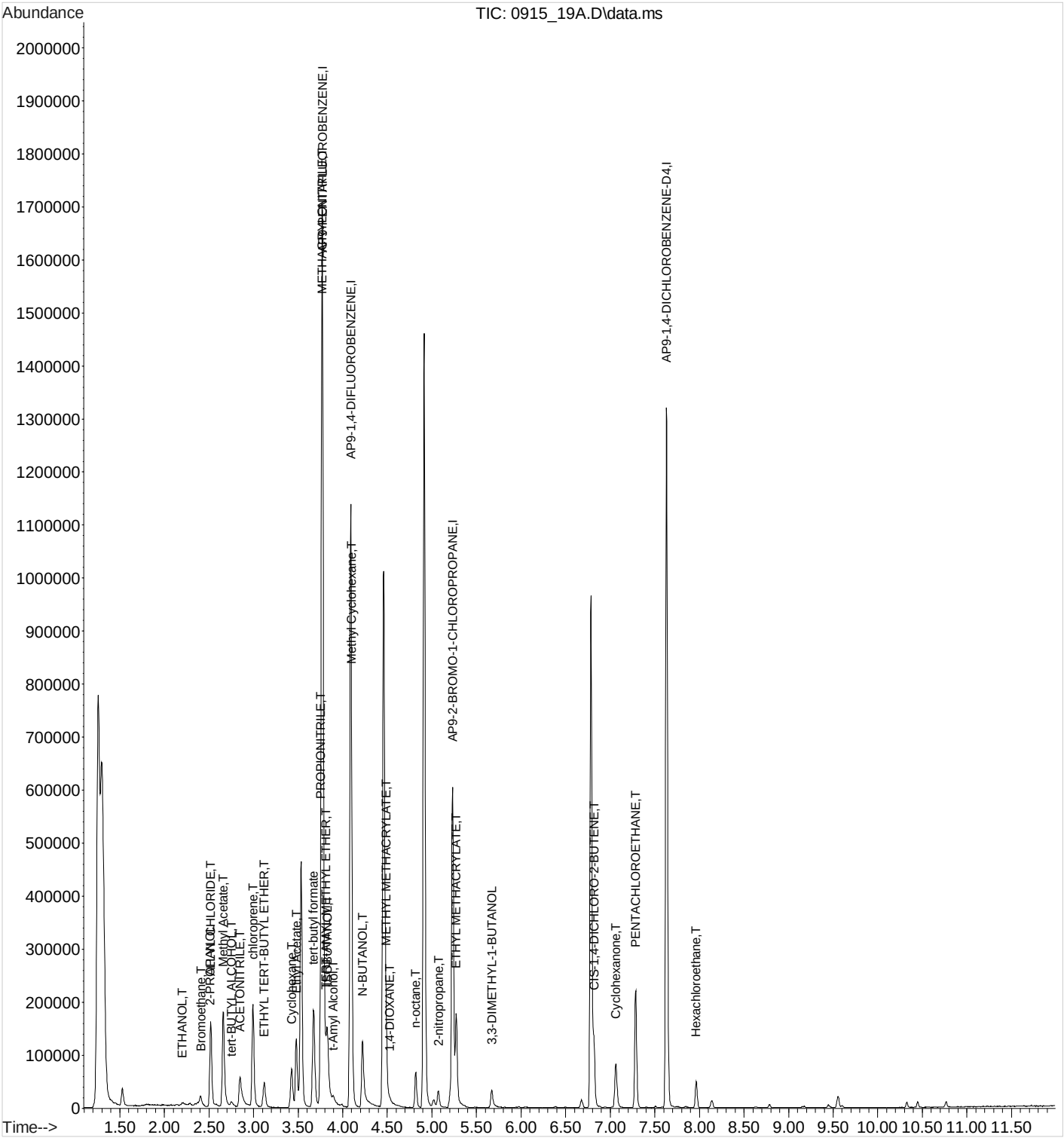
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
	Internal Standards					
1)	8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.77
41)	8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.09
53)	8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000 ppb	-5.23
84)	8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000 ppb	-7.63
96)	AP9-PENTAFLUOROBENZENE	3.775	168	415117	40.0000000 ppb	0.00
114)	AP9-1,4-DIFLUOROBENZENE	4.090	114	701242	40.0000000 ppb	0.00
122)	AP9-2-BROMO-1-CHLOROPR...	5.231	79	112098	40.0000000 ppb	0.00
128)	AP9-1,4-DICHLOROBENZEN...	7.630	152	313865	40.0000000 ppb	0.00
	System Monitoring Compounds					
33)	DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000 ppb	
	Spiked Amount 40.000	Range 79 - 121		Recovery	= 0.00%#	
46)	a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000 ppb	
	Spiked Amount 40.000	Range 90 - 116		Recovery	= 0.00%#	
50)	TOLUENE-D8	0.000	98	0d	0.0000000 ppb	
	Spiked Amount 40.000	Range 90 - 115		Recovery	= 0.00%#	
68)	4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000 ppb	
	Spiked Amount 40.000	Range 80 - 120		Recovery	= 0.00%#	
	Target Compounds					Qvalue
97)	ETHANOL	2.199	45	12100m	242.3556524 ppb	
98)	Bromoethane	2.408	108	11052	2.6977145 ppb	98
99)	2-PROPANOL	2.511	45	2204	7.1987876 ppb #	65
100)	Methyl Acetate	2.659	43	219441	54.2771978 ppb #	99
101)	ACETONITRILE	2.849	41	76211	111.5982491 ppb	99
102)	ALLYL CHLORIDE	2.521	76	31392	13.2748794 ppb	98
103)	tert-BUTYL ALCOHOL	2.752	59	10995	11.1019899 ppb	95
104)	chloroprene	2.994	53	98177	13.4291148 ppb	99
105)	ETHYL TERT-BUTYL ETHER	3.119	59	40336	2.7252344 ppb	97
106)	PROPIONITRILE	3.752	54	98953	134.6569673 ppb #	92
107)	Ethyl Acetate	3.479	43	144435	26.7679493 ppb	99
108)	METHACRYLONITRILE	3.768	67	289285	139.4325170 ppb	99
109)	Cyclohexane	3.428	56	33257	2.7972241 ppb	99
110)	tert-butyl formate	3.672	59	84898	25.0570596 ppb	96
111)	ISOBUTANOL	3.830	43	88887	253.0601125 ppb #	93
112)	t-Amyl Alcohol	3.894	59	4746	9.6461166 ppb	92
113)	TERT-AMYL METHYL ETHER	3.813	73	45037	2.7989361 ppb	89
115)	N-BUTANOL	4.222	56	82101	471.8000731 ppb	99
116)	Methyl Cyclohexane	4.100	83	36304	3.0924036 ppb	92
117)	2-nitropropane	5.074	43	19613	12.1579330 ppb	96
118)	METHYL METHACRYLATE	4.485	41	69054	12.2646155 ppb #	94
119)	1,4-DIOXANE	4.527	88	14673m	272.6827276 ppb	
120)	n-octane	4.817	85	10535	2.5011799 ppb	97
121)	3,3-DIMETHYL-1-BUTANOL	5.672	57	16933	21.4818210 ppb	91
123)	ETHYL METHACRYLATE	5.273	69	74340	12.7127434 ppb	91
124)	CIS-1,4-DICHLORO-2-BUTENE	6.817	53	21007	12.4238740 ppb #	20
125)	Cyclohexanone	7.061	55	37079	26.3009481 ppb	100
126)	PENTACHLOROETHANE	7.283	117	42291	12.5116597 ppb	97
127)	Hexachloroethane	7.961	117	10219	2.4630112 ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 19A.D
Acq On : 15 Sep 2015 4:29 pm
Operator : 621
Sample : STD VMS 2.5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS25

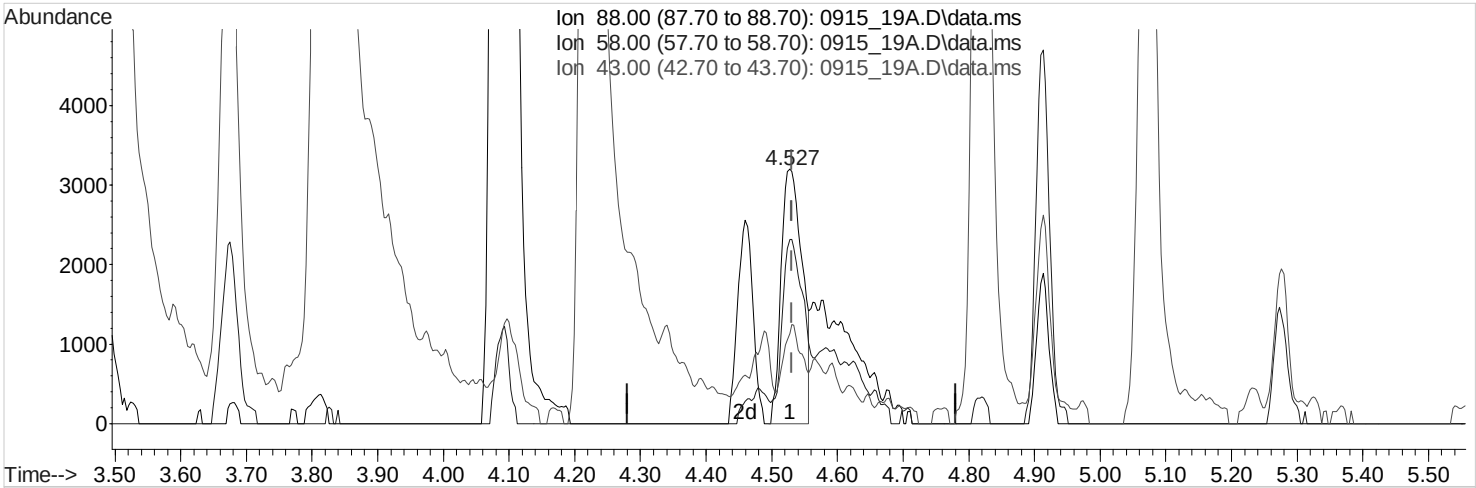
Quant Time: Sep 16 14:51:04 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

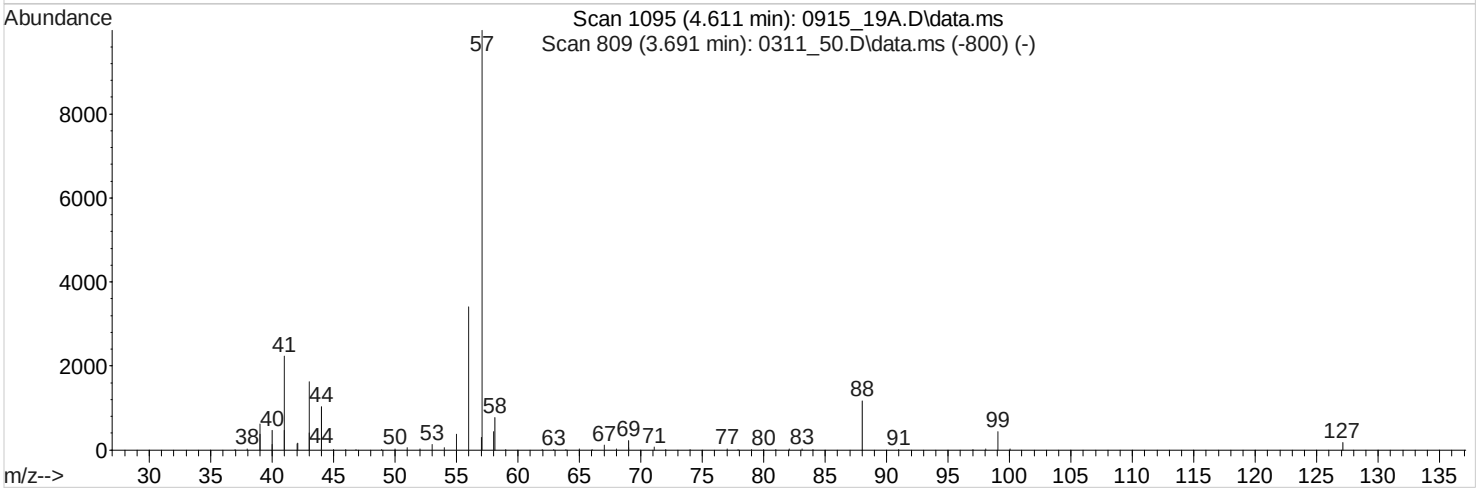


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 19A.D
Acq On : 15 Sep 2015 4:29 pm
Operator : 621
Sample : STD VMS 2.5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:48:09 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration





TIC: 0915_19A.D\data.ms

(119) 1,4-DIOXANE (T)

4.527min (-0.003) 132.2993483 ppb

Qvalue = 96

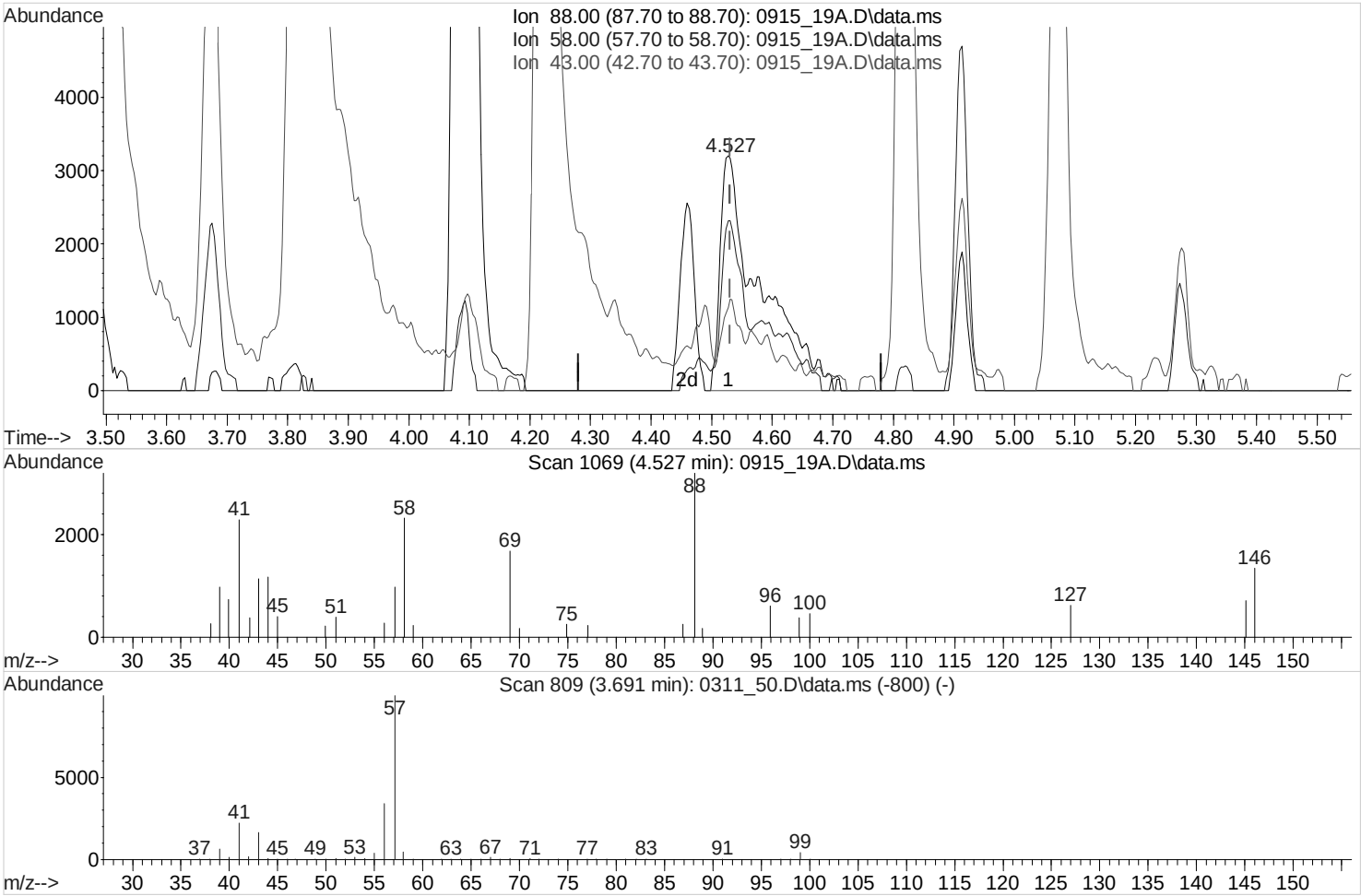
response 7119

Ion	Exp%	Act%
88.00	100	100
58.00	67.40	63.86
43.00	0.00	21.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 19A.D
Acq On : 15 Sep 2015 4:29 pm
Operator : 621
Sample : STD VMS 2.5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:48:09 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration



TIC: 0915_19A.D\data.ms

(119) 1,4-DIOXANE (T)

4.527min (-0.003) 272.6827276 ppb m

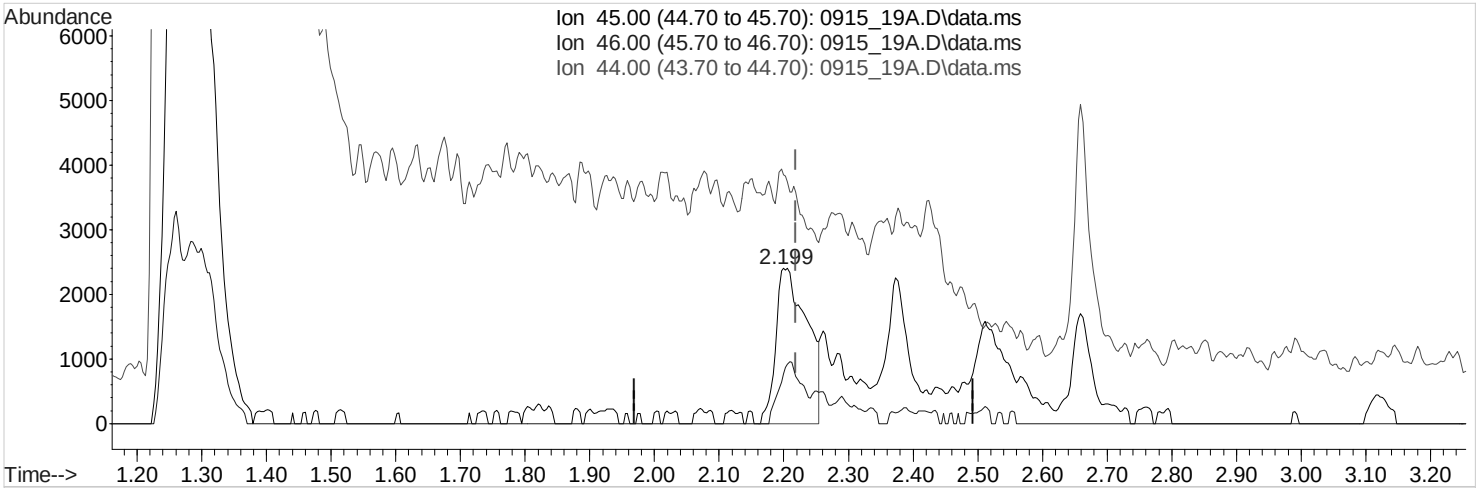
response 14673

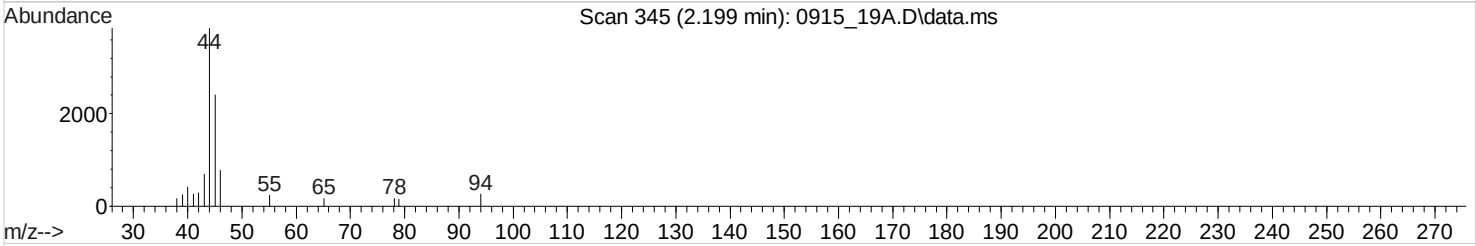
Ion	Exp%	Act%
88.00	100	100
58.00	67.40	30.98#
43.00	0.00	10.24#
0.00	0.00	0.00

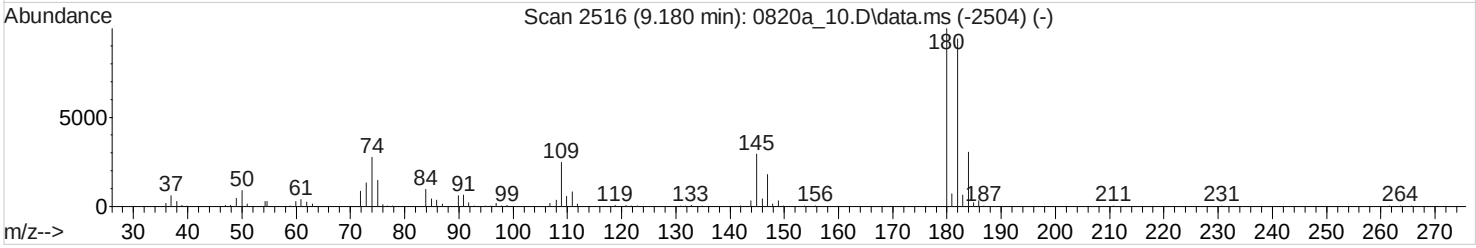
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 19A.D
Acq On    : 15 Sep 2015   4:29 pm
Operator  : 621
Sample    : STD VMS 2.5 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 19   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:50:17 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```







TIC: 0915_19A.D\data.ms

(97) ETHANOL (T)

2.199min (-0.019) 161.4369056 ppb

Qvalue = 48

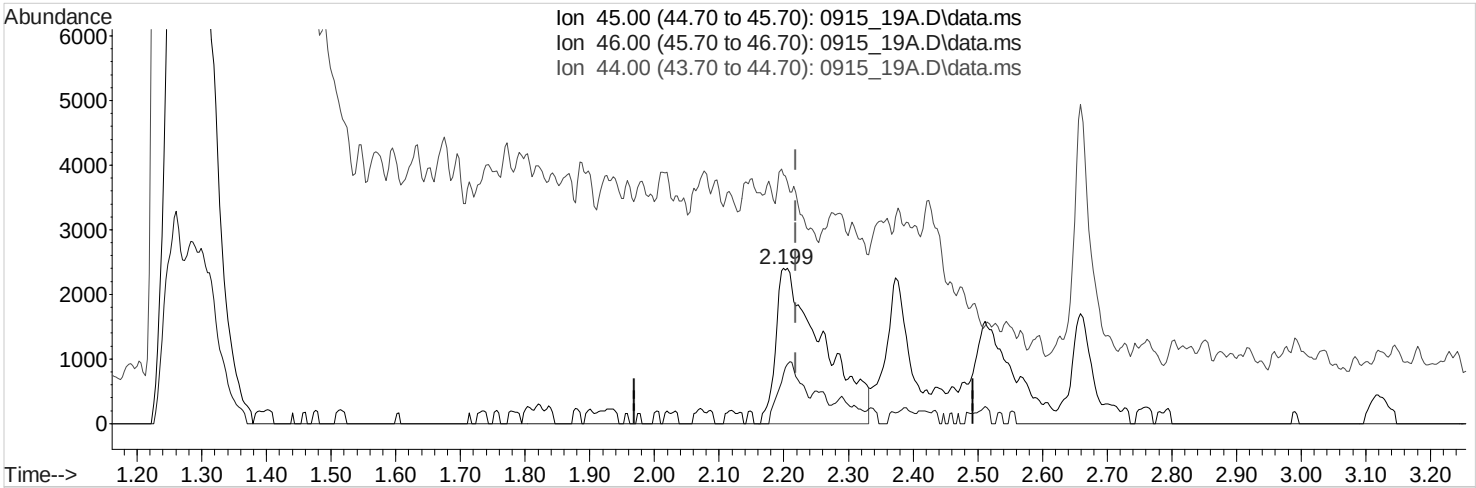
response 8060

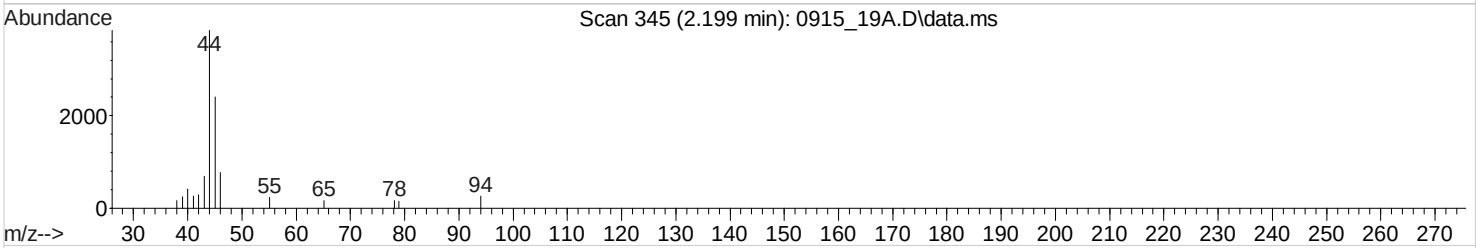
Ion	Exp%	Act%
45.00	100	100
46.00	10.00	29.43#
44.00	0.50	29.04#
0.00	0.00	0.00

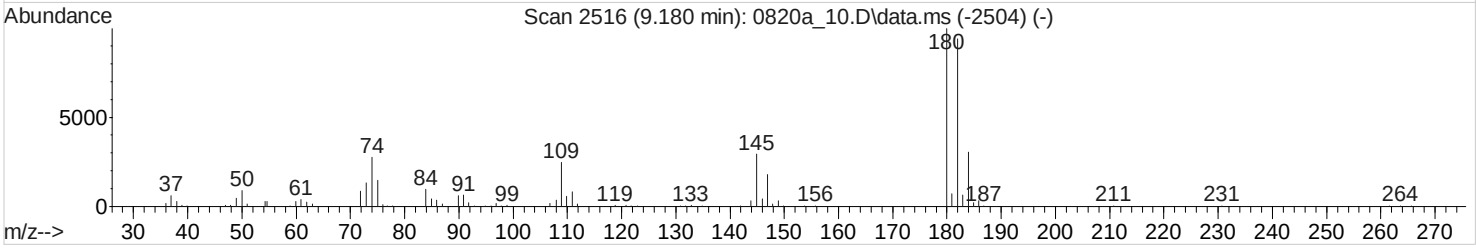
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 19A.D
Acq On : 15 Sep 2015 4:29 pm
Operator : 621
Sample : STD VMS 2.5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:50:17 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration







TIC: 0915_19A.D\data.ms

(97) ETHANOL (T)

2.199min (-0.019) 242.3556524 ppb m

response 12100

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	19.60#
44.00	0.50	19.35#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 20A.D
Acq On : 15 Sep 2015 4:47 pm
Operator : 621
Sample : STD VMS 5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:51:54 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

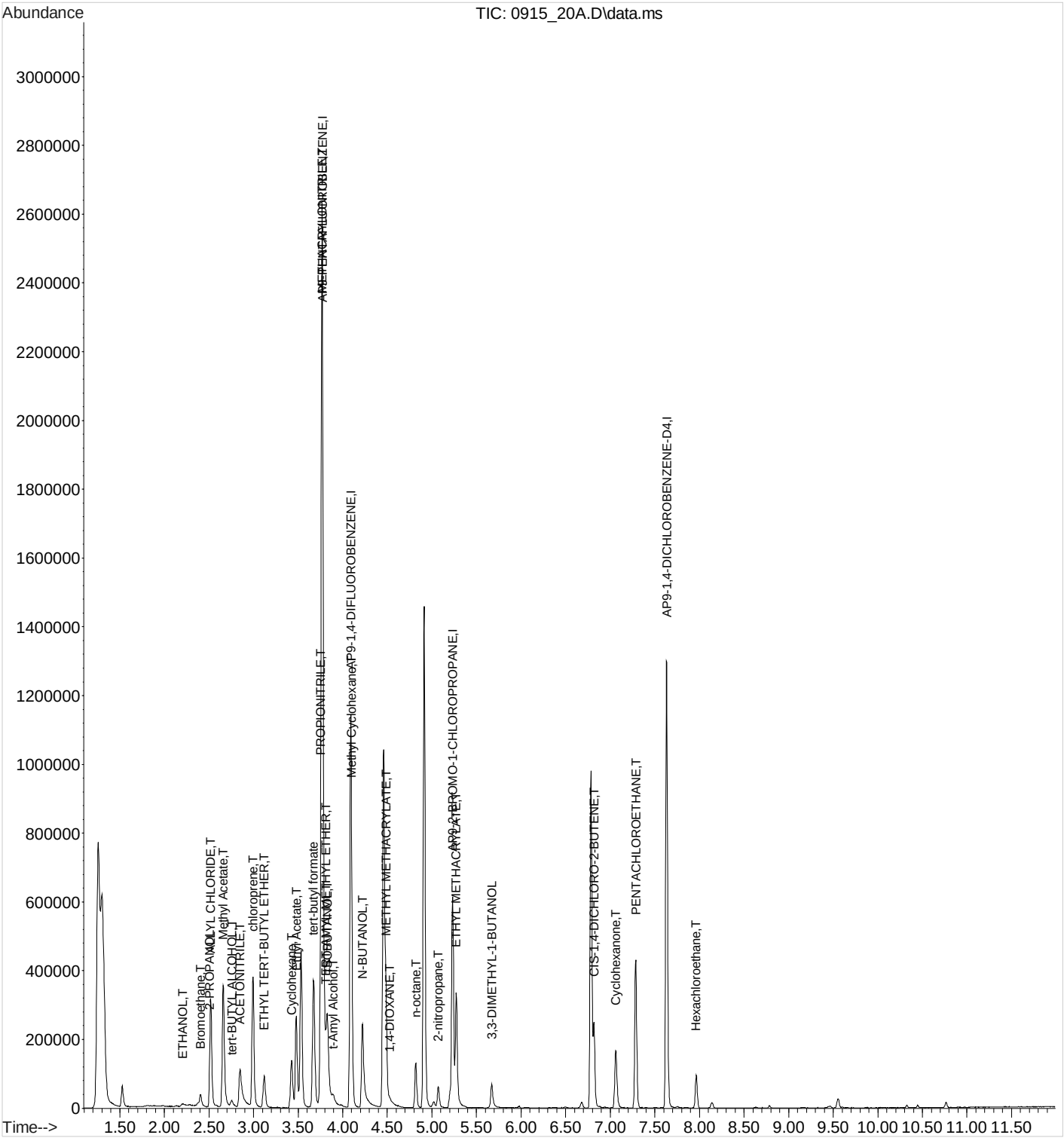
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.77
41) 8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.09
53) 8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb	-5.23
84) 8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb	-7.63
96) AP9-PENTAFLUOROBENZENE	3.775	168	402406	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.090	114	677560	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.231	79	111905	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.633	152	305103	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 79 - 121		Recovery = 0.00%#			
46) a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 90 - 116		Recovery = 0.00%#			
50) TOLUENE-D8	0.000	98	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 90 - 115		Recovery = 0.00%#			
68) 4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 80 - 120		Recovery = 0.00%#			
Target Compounds						Qvalue
97) ETHANOL	2.206	45	21669m	447.7264214	ppb	
98) Bromoethane	2.405	108	21128	5.3200973	ppb	98
99) 2-PROPANOL	2.508	45	5666	19.0910762	ppb #	83
100) Methyl Acetate	2.659	43	426641	108.8599936	ppb #	100
101) ACETONITRILE	2.849	41	179226	270.7364963	ppb	97
102) ALLYL CHLORIDE	2.521	76	60063	26.2014116	ppb	99
103) tert-BUTYL ALCOHOL	2.755	59	23013	23.9709312	ppb #	93
104) chloroprene	2.993	53	191343	26.9995347	ppb	99
105) ETHYL TERT-BUTYL ETHER	3.119	59	77496	5.4012762	ppb	99
106) PROPIONITRILE	3.752	54	196079	275.2561421	ppb	98
107) Ethyl Acetate	3.479	43	281545	53.8265501	ppb	99
108) METHACRYLONITRILE	3.768	67	539787	268.3901942	ppb	99
109) Cyclohexane	3.427	56	63314	5.4935111	ppb	98
110) tert-butyl formate	3.672	59	170206	51.8219301	ppb	97
111) ISOBUTANOL	3.829	43	167820	492.8732367	ppb	97
112) t-Amyl Alcohol	3.894	59	10866	22.7824563	ppb	85
113) TERT-AMYL METHYL ETHER	3.810	73	81945	5.2535402	ppb	93
115) N-BUTANOL	4.222	56	155723	926.1524482	ppb	95
116) Methyl Cyclohexane	4.099	83	62522	5.5118161	ppb	98
117) 2-nitropropane	5.070	43	37929	24.3336507	ppb	95
118) METHYL METHACRYLATE	4.485	41	138257	25.4139627	ppb #	85
119) 1,4-DIOXANE	4.527	88	26602m	511.6502155	ppb	
120) n-octane	4.820	85	20432	5.0204360	ppb	97
121) 3,3-DIMETHYL-1-BUTANOL	5.672	57	33892	44.4994398	ppb	97
123) ETHYL METHACRYLATE	5.273	69	148008	25.3542219	ppb	96
124) CIS-1,4-DICHLORO-2-BUTENE	6.816	53	43075	25.5191769	ppb	88
125) Cyclohexanone	7.061	55	72939	51.8264628	ppb	98
126) PENTACHLOROETHANE	7.286	117	81986	24.2971336	ppb	99
127) Hexachloroethane	7.961	117	19625	4.7382288	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 20A.D
Acq On : 15 Sep 2015 4:47 pm
Operator : 621
Sample : STD VMS 5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 20 Sample Multiplier: 1
InstName : VOCMS25

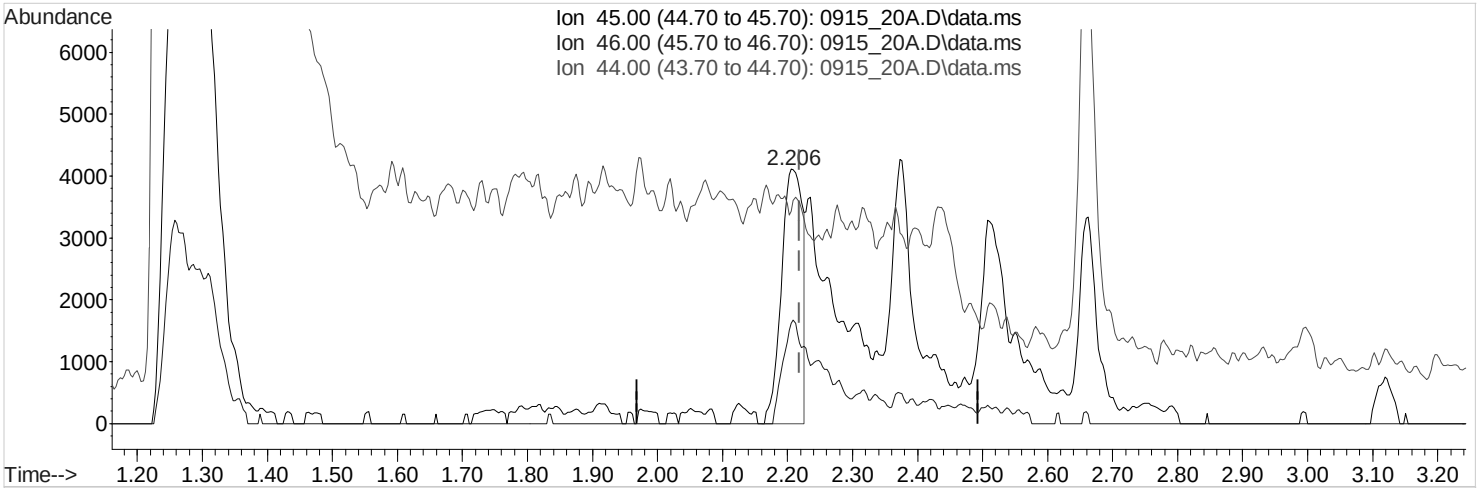
Quant Time: Sep 16 14:51:54 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

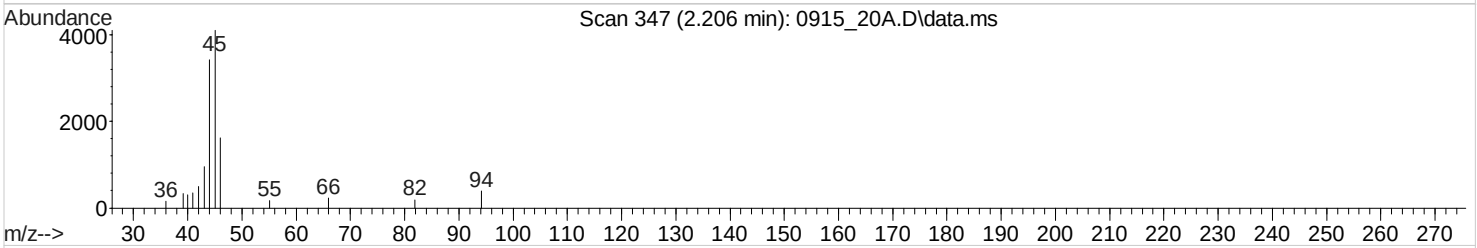


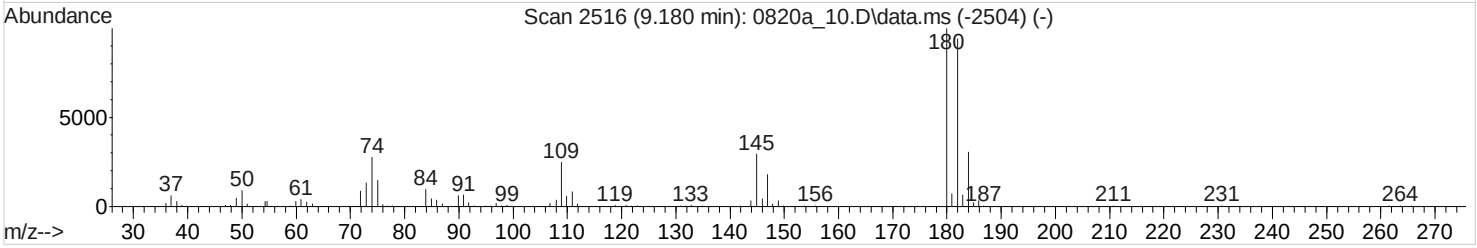
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 20A.D
Acq On    : 15 Sep 2015   4:47 pm
Operator  : 621
Sample    : STD VMS 5 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 20   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:14 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```







TIC: 0915_20A.D\data.ms

(97) ETHANOL (T)

2.206min (-0.013) 189.6984759 ppb

Qvalue = 10

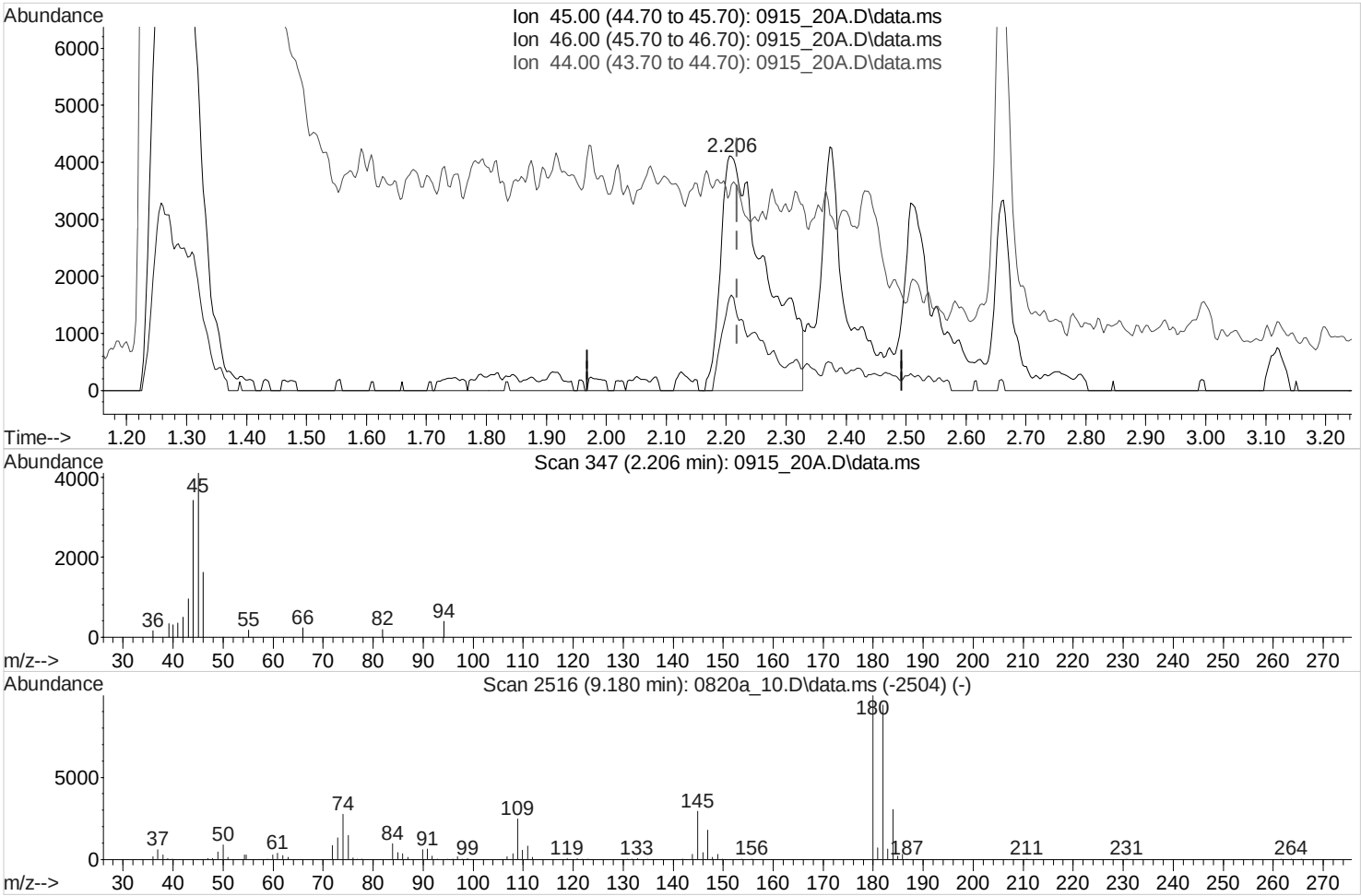
response 9181

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	44.80#
44.00	0.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 20A.D
Acq On    : 15 Sep 2015   4:47 pm
Operator  : 621
Sample    : STD VMS 5 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 20   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:14 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```



TIC: 0915_20A.D\data.ms

(97) ETHANOL (T)

2.206min (-0.013) 447.7264214 ppb m

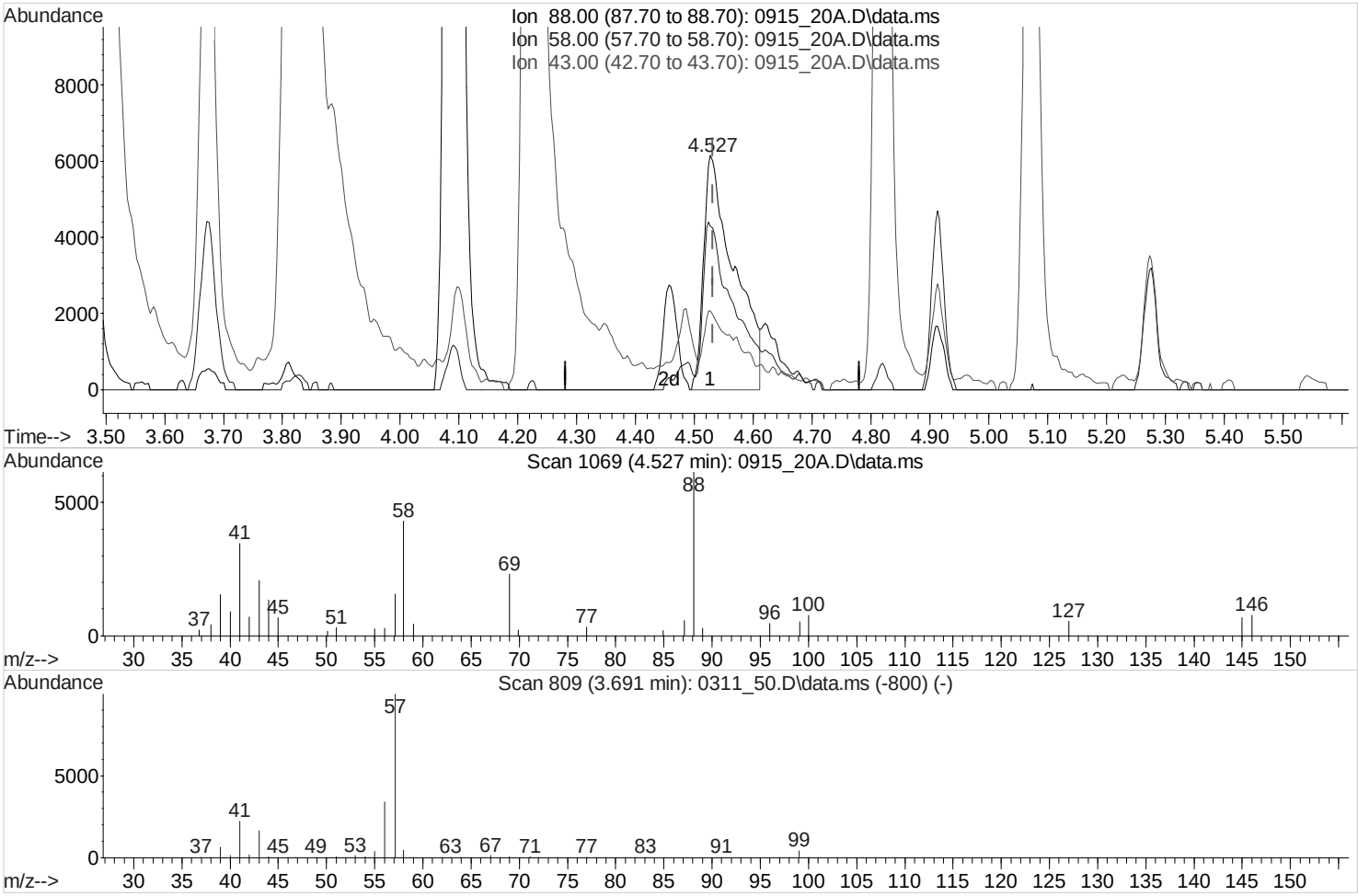
response 21669

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	18.98#
44.00	0.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 20A.D
Acq On    : 15 Sep 2015   4:47 pm
Operator  : 621
Sample    : STD VMS 5 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 20   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:14 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```



TIC: 0915_20A.D\data.ms

(119) 1,4-DIOXANE (T)

4.527min (-0.003) 426.1379661 ppb

Qvalue = 91

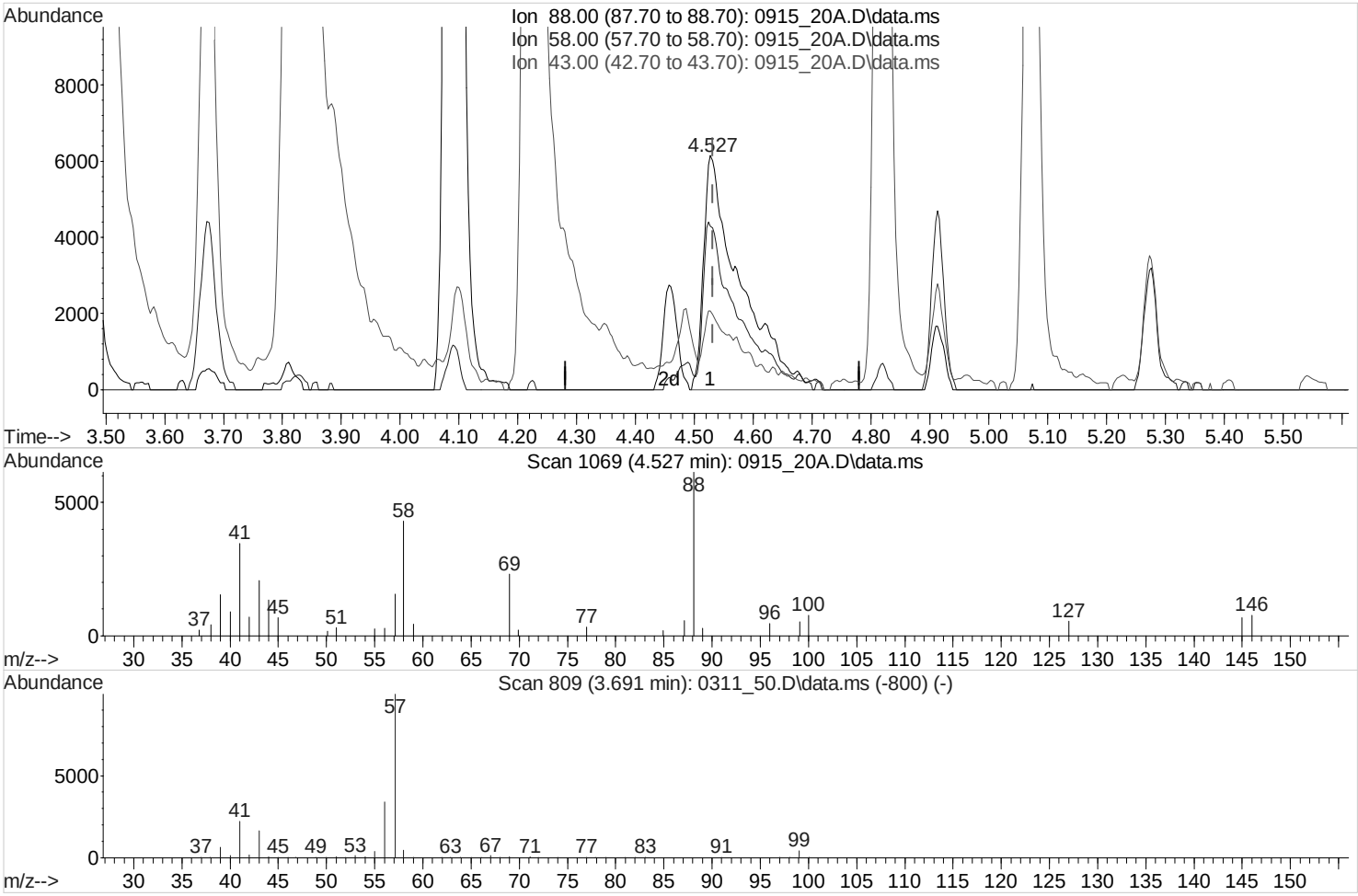
response 22156

Ion	Exp%	Act%
88.00	100	100
58.00	67.40	59.96
43.00	0.00	13.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 20A.D
Acq On    : 15 Sep 2015   4:47 pm
Operator  : 621
Sample    : STD VMS 5 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 20   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:14 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```



TIC: 0915_20A.D\data.ms

(119) 1,4-DIOXANE (T)

4.527min (-0.003) 511.6502155 ppb m

response 26602

Ion	Exp%	Act%
88.00	100	100
58.00	67.40	49.94#
43.00	0.00	11.04#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 21A.D
Acq On : 15 Sep 2015 5:05 pm
Operator : 621
Sample : STD VMS 7.5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 21 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:52:26 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

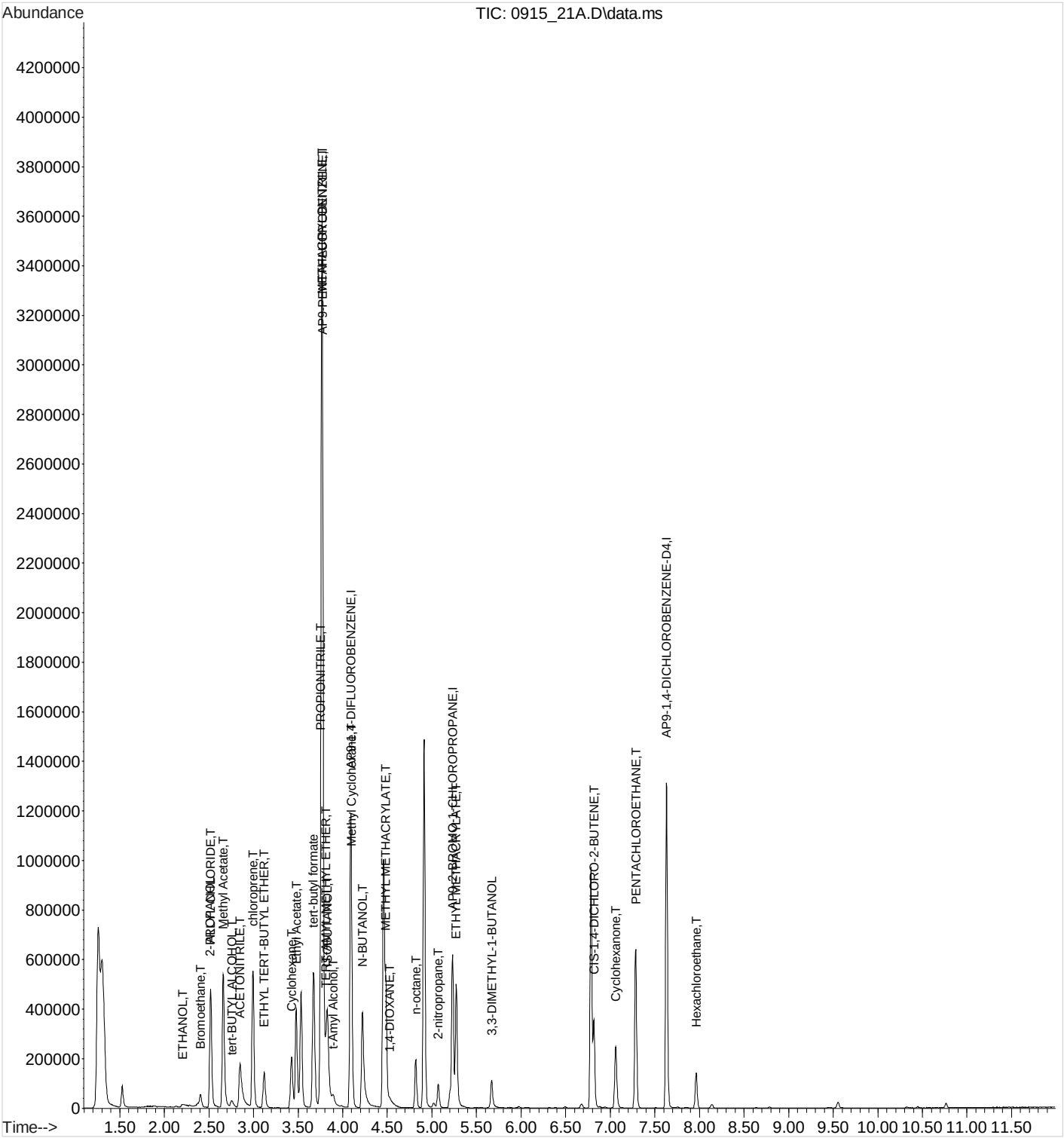
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards								
1)	8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb		-3.77
41)	8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb		-4.09
53)	8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb		-5.23
84)	8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb		-7.63
96)	AP9-PENTAFLUOROBENZENE	3.775	168	402914	40.0000000	ppb		0.00
114)	AP9-1,4-DIFLUOROBENZENE	4.090	114	661493	40.0000000	ppb		0.00
122)	AP9-2-BROMO-1-CHLOROPR...	5.231	79	112600	40.0000000	ppb		0.00
128)	AP9-1,4-DICHLOROBENZEN...	7.630	152	306299	40.0000000	ppb		0.00
System Monitoring Compounds								
33)	DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 79 - 121			Recovery = 0.00%#			
46)	a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 90 - 116			Recovery = 0.00%#			
50)	TOLUENE-D8	0.000	98	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 90 - 115			Recovery = 0.00%#			
68)	4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 80 - 120			Recovery = 0.00%#			
Target Compounds								Qvalue
97)	ETHANOL	2.206	45	34946m	721.1463612	ppb		
98)	Bromoethane	2.405	108	31127	7.8279951	ppb		98
99)	2-PROPANOL	2.514	45	10773	36.2528864	ppb		99
100)	Methyl Acetate	2.659	43	629121	160.3215812	ppb	#	100
101)	ACETONITRILE	2.849	41	260775	393.4267050	ppb		99
102)	ALLYL CHLORIDE	2.521	76	91438	39.8379037	ppb		98
103)	tert-BUTYL ALCOHOL	2.756	59	37109	38.6049512	ppb		97
104)	chloroprene	2.993	53	280815	39.5745598	ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.119	59	116374	8.1007486	ppb		99
106)	PROPIONITRILE	3.752	54	284503	398.8824008	ppb		99
107)	Ethyl Acetate	3.479	43	415162	79.2717437	ppb		100
108)	METHACRYLONITRILE	3.765	67	795534	395.0527221	ppb		99
109)	Cyclohexane	3.428	56	93975	8.1435671	ppb		100
110)	tert-butyl formate	3.672	59	250950	76.3093946	ppb		98
111)	ISOBUTANOL	3.829	43	258649	758.6726232	ppb		97
112)	t-Amyl Alcohol	3.894	59	16711	34.9933382	ppb		93
113)	TERT-AMYL METHYL ETHER	3.810	73	120961	7.7451004	ppb		97
115)	N-BUTANOL	4.222	56	239087	1456.4922781	ppb		100
116)	Methyl Cyclohexane	4.100	83	87197	7.8738276	ppb		98
117)	2-nitropropane	5.071	43	58357	38.3487613	ppb		97
118)	METHYL METHACRYLATE	4.482	41	199996	37.6555569	ppb		91
119)	1,4-DIOXANE	4.527	88	37054	729.9892691	ppb	#	93
120)	n-octane	4.820	85	31056	7.8162525	ppb		97
121)	3,3-DIMETHYL-1-BUTANOL	5.669	57	53380	71.7890856	ppb		96
123)	ETHYL METHACRYLATE	5.273	69	223227	38.0034409	ppb		98
124)	CIS-1,4-DICHLORO-2-BUTENE	6.816	53	63878	37.6100393	ppb		92
125)	Cyclohexanone	7.061	55	102672	72.5028180	ppb		99
126)	PENTACHLOROETHANE	7.286	117	122244	36.0042689	ppb		98
127)	Hexachloroethane	7.964	117	30953	7.4271161	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 21A.D
Acq On : 15 Sep 2015 5:05 pm
Operator : 621
Sample : STD VMS 7.5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 21 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:52:26 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration



Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 21A.D
Acq On    : 15 Sep 2015   5:05 pm
Operator  : 621
Sample    : STD VMS 7.5 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 21   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:19 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
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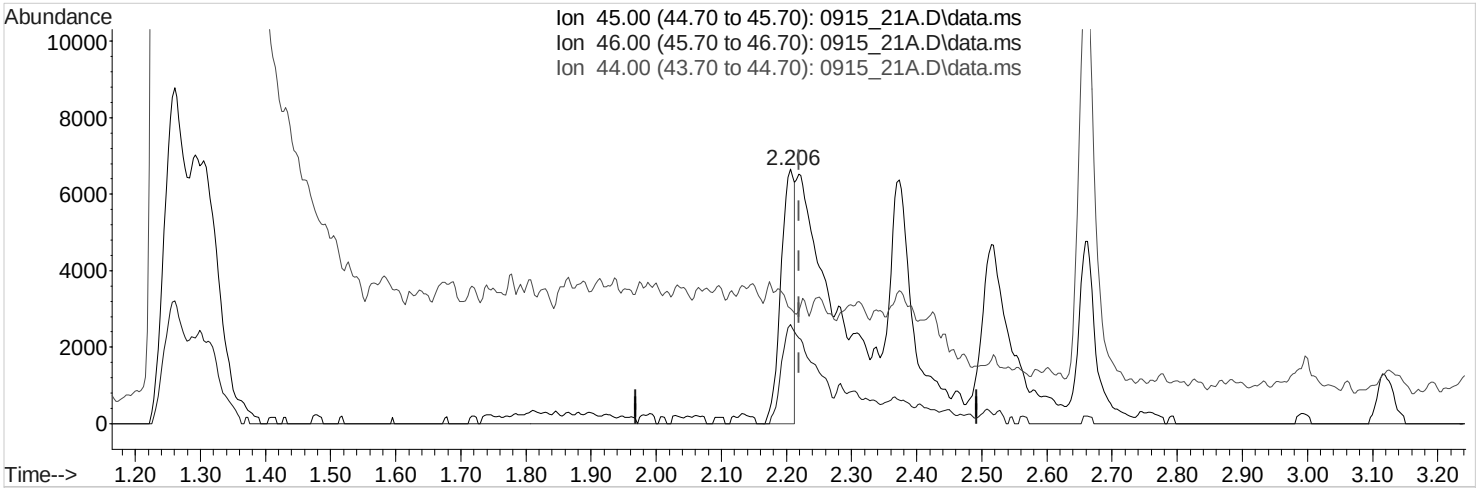
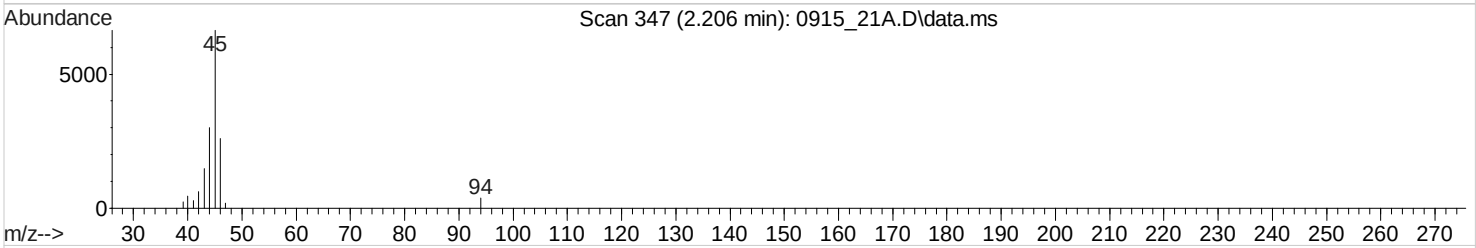
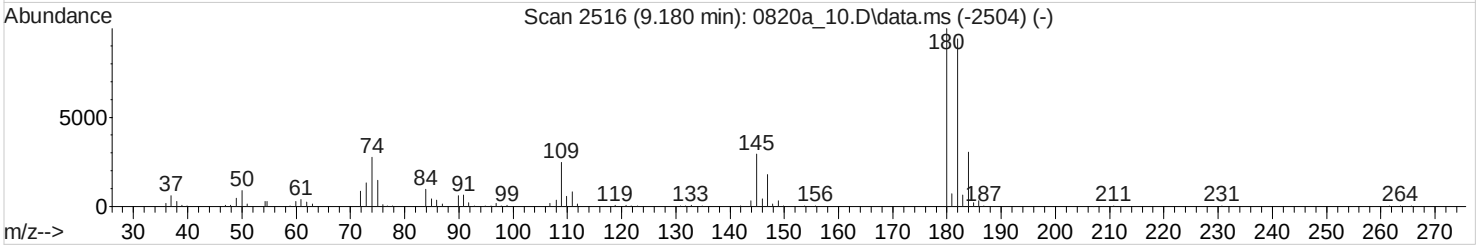






TIC: 0915_21A.D\data.ms

(97) ETHANOL (T)

2.206min (-0.013) 199.4677710 ppb

Qvalue = 1

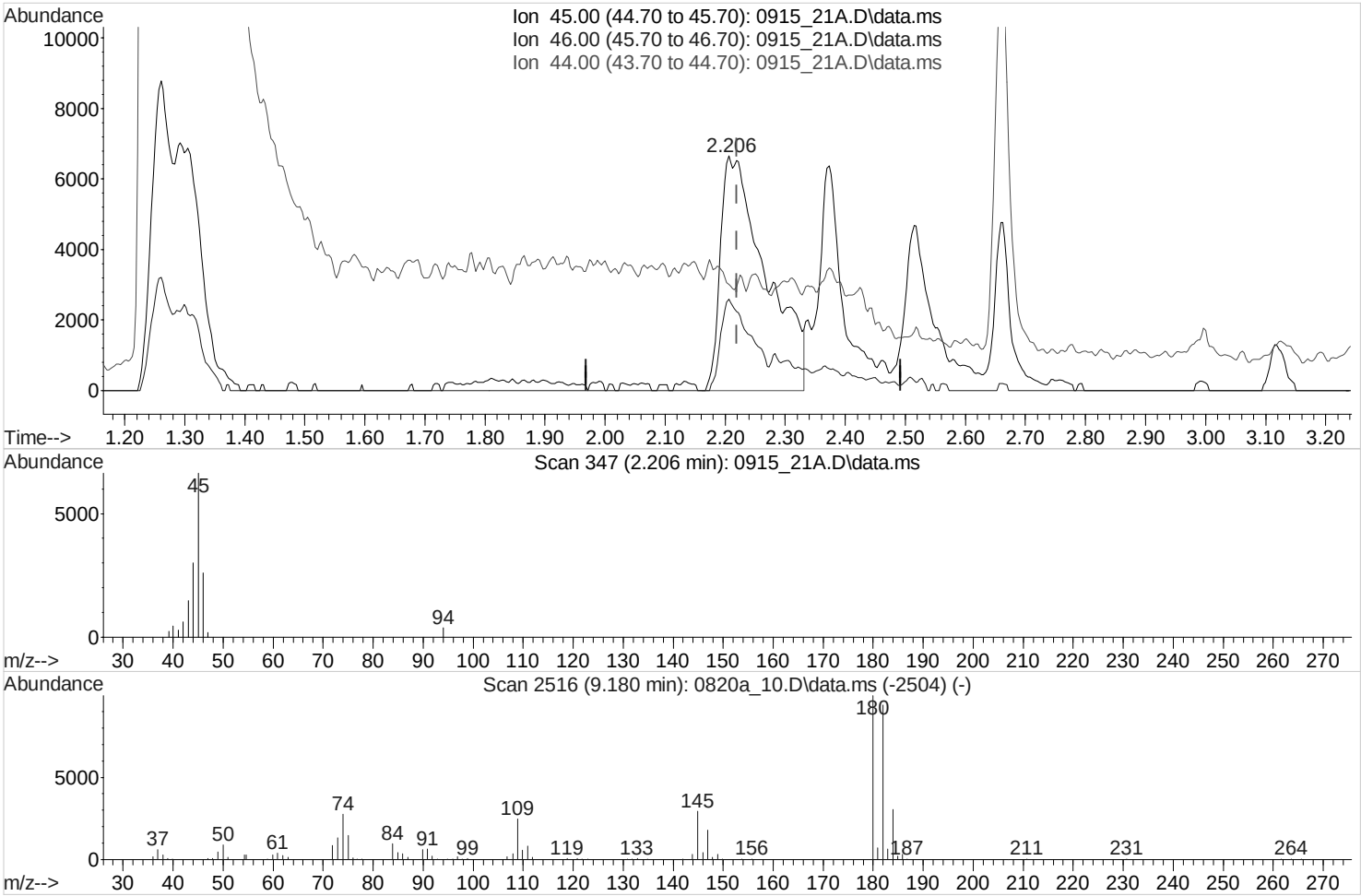
response 9666

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	94.30#
44.00	0.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 21A.D
Acq On    : 15 Sep 2015   5:05 pm
Operator  : 621
Sample    : STD VMS 7.5 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 21   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:19 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```



TIC: 0915_21A.D\data.ms

(97) ETHANOL (T)

2.206min (-0.013) 721.1463612 ppb m

response 34946

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	26.08#
44.00	0.50	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 22A.D
Acq On : 15 Sep 2015 5:24 pm
Operator : 621
Sample : MSTD VMS 10a ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 22 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:53:17 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

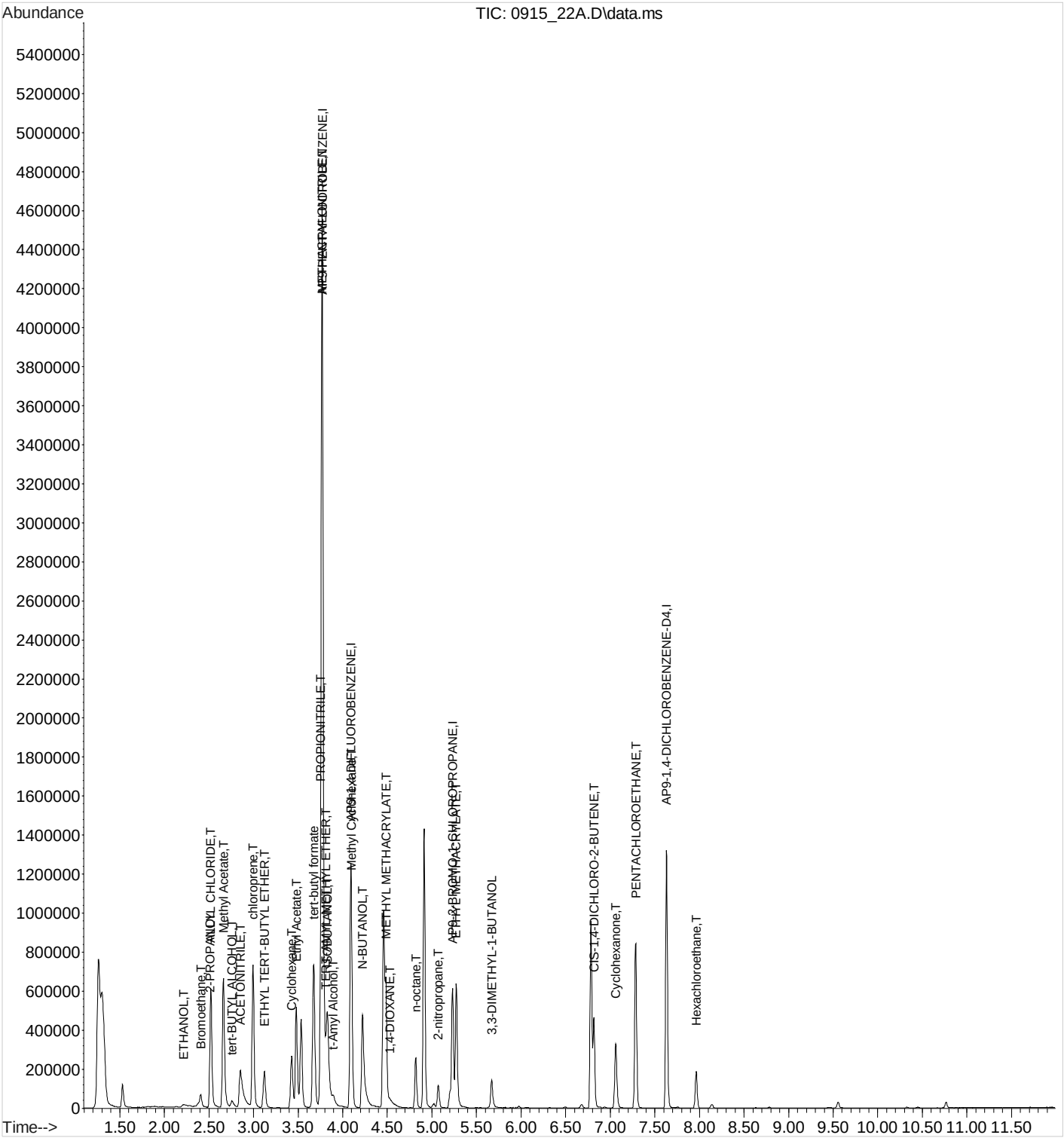
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards								
1)	8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb		-3.77
41)	8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb		-4.09
53)	8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb		-5.23
84)	8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb		-7.63
96)	AP9-PENTAFLUOROBENZENE	3.775	168	407802	40.0000000	ppb		0.00
114)	AP9-1,4-DIFLUOROBENZENE	4.090	114	663519	40.0000000	ppb		0.00
122)	AP9-2-BROMO-1-CHLOROPR...	5.231	79	110460	40.0000000	ppb		0.00
128)	AP9-1,4-DICHLOROBENZEN...	7.630	152	304311	40.0000000	ppb		0.00
System Monitoring Compounds								
33)	DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 79 - 121			Recovery = 0.00%#			
46)	a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 90 - 116			Recovery = 0.00%#			
50)	TOLUENE-D8	0.000	98	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 90 - 115			Recovery = 0.00%#			
68)	4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 80 - 120			Recovery = 0.00%#			
Target Compounds								Qvalue
97)	ETHANOL	2.216	45	46386m	945.7489639	ppb		
98)	Bromoethane	2.408	108	39886	9.9105275	ppb		97
99)	2-PROPANOL	2.511	45	12884	42.8370596	ppb		95
100)	Methyl Acetate	2.662	43	780310	196.4662631	ppb	#	100
101)	ACETONITRILE	2.852	41	335202	499.6518381	ppb		100
102)	ALLYL CHLORIDE	2.521	76	116631	50.2049761	ppb		100
103)	tert-BUTYL ALCOHOL	2.759	59	47671	48.9983015	ppb		97
104)	chloroprene	2.994	53	369015	51.3810314	ppb		100
105)	ETHYL TERT-BUTYL ETHER	3.122	59	154069	10.5961345	ppb		99
106)	PROPIONITRILE	3.752	54	368110	509.9160091	ppb		99
107)	Ethyl Acetate	3.479	43	542113	102.2712689	ppb		100
108)	METHACRYLONITRILE	3.769	67	1040808	510.6577666	ppb		100
109)	Cyclohexane	3.428	56	120090	10.2818721	ppb		99
110)	tert-butyl formate	3.675	59	342006	102.7513507	ppb		99
111)	ISOBUTANOL	3.830	43	344415	998.1335954	ppb		97
112)	t-Amyl Alcohol	3.894	59	22544	46.6419734	ppb		98
113)	TERT-AMYL METHYL ETHER	3.810	73	163901	10.3687474	ppb		95
115)	N-BUTANOL	4.222	56	312462	1897.6727504	ppb		99
116)	Methyl Cyclohexane	4.100	83	114747	10.3299350	ppb		98
117)	2-nitropropane	5.071	43	74375	48.7256062	ppb		100
118)	METHYL METHACRYLATE	4.486	41	258415	48.5062135	ppb		94
119)	1,4-DIOXANE	4.531	88	49379	969.8298762	ppb	#	97
120)	n-octane	4.820	85	39591	9.9339375	ppb		98
121)	3,3-DIMETHYL-1-BUTANOL	5.669	57	68222	91.4694755	ppb		99
123)	ETHYL METHACRYLATE	5.273	69	286528	49.7252091	ppb		100
124)	CIS-1,4-DICHLORO-2-BUTENE	6.817	53	83403	50.0573093	ppb		98
125)	Cyclohexanone	7.061	55	136103	97.9724378	ppb		99
126)	PENTACHLOROETHANE	7.286	117	162228	48.7063528	ppb		98
127)	Hexachloroethane	7.964	117	38950	9.5270464	ppb		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 22A.D
Acq On : 15 Sep 2015 5:24 pm
Operator : 621
Sample : MSTD VMS 10a ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 22 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:53:17 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

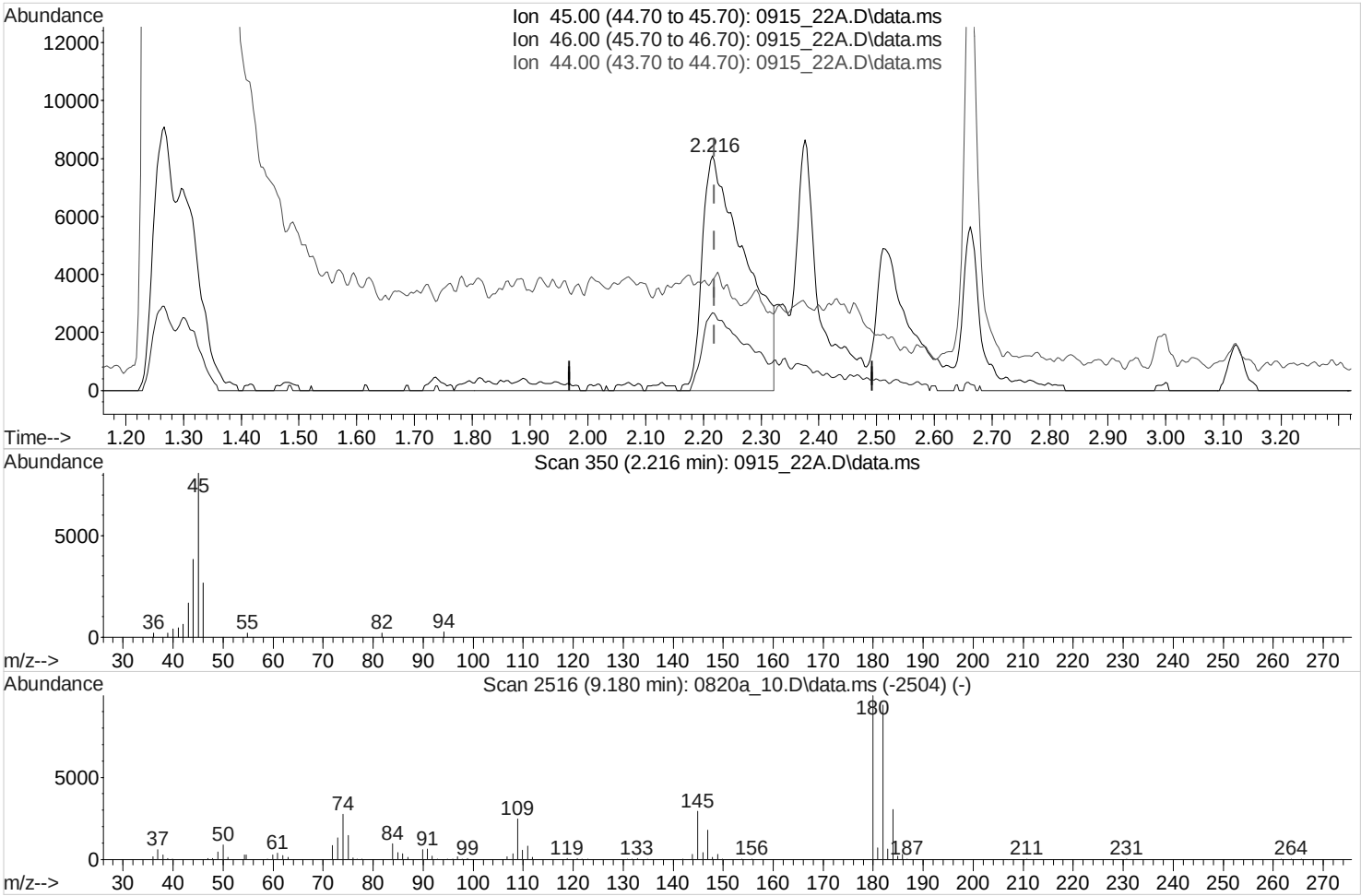


V825I15O.M Wed Sep 16 14:53:23 2015 Page: 2

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 22A.D
Acq On    : 15 Sep 2015   5:24 pm
Operator  : 621
Sample    : MSTD VMS 10a ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 22   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:24 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```



TIC: 0915_22A.D\data.ms

(97) ETHANOL (T)

2.216min (-0.003) 855.2640352 ppb

Qvalue = 42

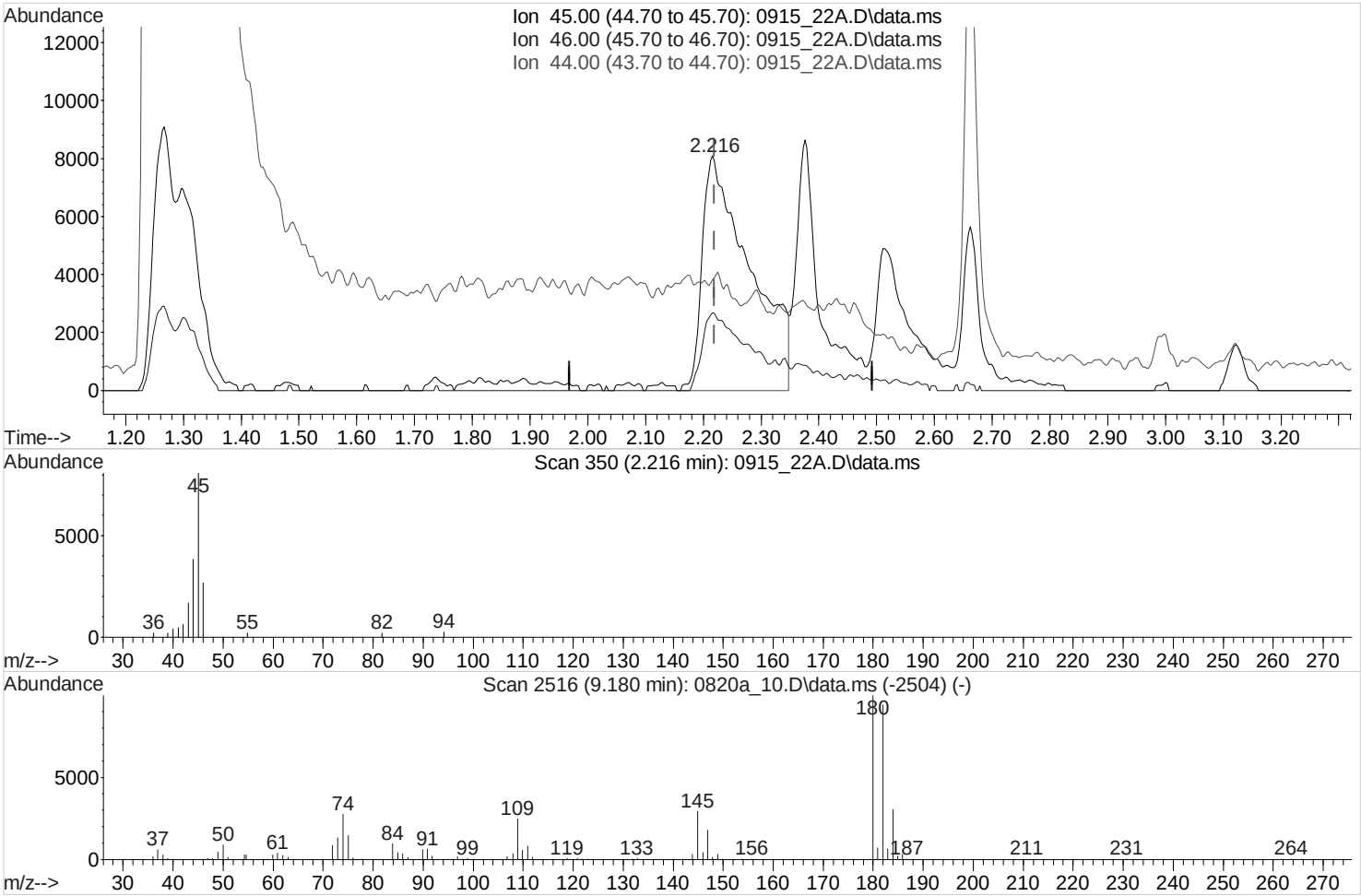
response 41948

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	32.69#
44.00	0.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 22A.D
Acq On    : 15 Sep 2015   5:24 pm
Operator  : 621
Sample    : MSTD VMS 10a ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 22   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:24 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```



TIC: 0915_22A.D\data.ms

(97) ETHANOL (T)

2.216min (-0.003) 945.7489639 ppb m

response 46386

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	29.56#
44.00	0.50	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 23A.D
Acq On : 15 Sep 2015 5:42 pm
Operator : 621
Sample : STD VMS 12.5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 23 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:53:56 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

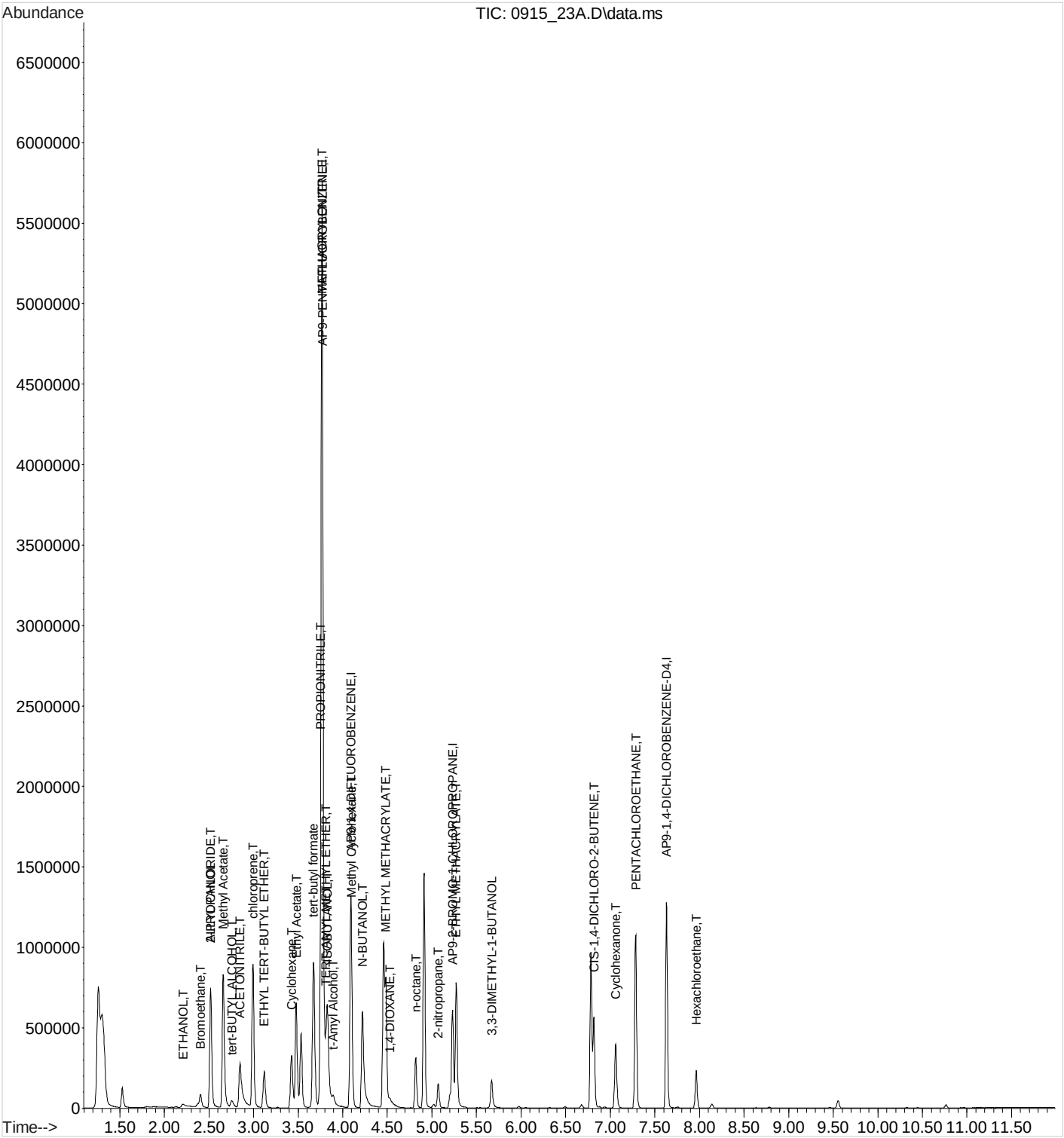
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
1)	8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb		-3.77
41)	8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb		-4.09
53)	8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb		-5.23
84)	8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb		-7.63
96)	AP9-PENTAFLUOROBENZENE	3.775	168	412927	40.0000000	ppb		0.00
114)	AP9-1,4-DIFLUOROBENZENE	4.090	114	667043	40.0000000	ppb		0.00
122)	AP9-2-BROMO-1-CHLOROPR...	5.231	79	109906	40.0000000	ppb		0.00
128)	AP9-1,4-DICHLOROBENZEN...	7.630	152	296281	40.0000000	ppb		0.00
	System Monitoring Compounds							
33)	DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 79 - 121			Recovery = 0.00%#			
46)	a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 90 - 116			Recovery = 0.00%#			
50)	TOLUENE-D8	0.000	98	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 90 - 115			Recovery = 0.00%#			
68)	4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 80 - 120			Recovery = 0.00%#			
	Target Compounds							Qvalue
97)	ETHANOL	2.209	45	56795m	1143.6025756	ppb		
98)	Bromoethane	2.405	108	49646	12.1825056	ppb		96
99)	2-PROPANOL	2.518	45	16145	53.0130823	ppb		93
100)	Methyl Acetate	2.659	43	978296	243.2580160	ppb	#	100
101)	ACETONITRILE	2.849	41	406055	597.7530781	ppb		98
102)	ALLYL CHLORIDE	2.521	76	143166	60.8623514	ppb		99
103)	tert-BUTYL ALCOHOL	2.756	59	56913	57.7715890	ppb		97
104)	chloroprene	2.993	53	455181	62.5920238	ppb		99
105)	ETHYL TERT-BUTYL ETHER	3.119	59	185308	12.5864263	ppb		99
106)	PROPIONITRILE	3.752	54	455005	622.4626123	ppb		98
107)	Ethyl Acetate	3.479	43	678554	126.4224807	ppb		100
108)	METHACRYLONITRILE	3.768	67	1304576	632.1276318	ppb		100
109)	Cyclohexane	3.428	56	151302	12.7934034	ppb		99
110)	tert-butyl formate	3.672	59	421737	125.1329230	ppb		100
111)	ISOBUTANOL	3.829	43	418124	1196.7068656	ppb		97
112)	t-Amyl Alcohol	3.894	59	26288	53.7130183	ppb		88
113)	TERT-AMYL METHYL ETHER	3.810	73	205415	12.8337305	ppb		92
115)	N-BUTANOL	4.222	56	359703	2173.0399246	ppb		98
116)	Methyl Cyclohexane	4.099	83	141535	12.6741730	ppb		99
117)	2-nitropropane	5.071	43	93103	60.6727221	ppb		97
118)	METHYL METHACRYLATE	4.482	41	324575	60.6030181	ppb		96
119)	1,4-DIOXANE	4.530	88	60879	1189.3791219	ppb	#	96
120)	n-octane	4.820	85	49013	12.2330788	ppb		99
121)	3,3-DIMETHYL-1-BUTANOL	5.669	57	81163	108.2453790	ppb		97
123)	ETHYL METHACRYLATE	5.273	69	347636	60.6342389	ppb		98
124)	CIS-1,4-DICHLORO-2-BUTENE	6.816	53	103644	62.5192316	ppb		96
125)	Cyclohexanone	7.061	55	162579	117.6208467	ppb		100
126)	PENTACHLOROETHANE	7.286	117	204201	61.6171061	ppb		99
127)	Hexachloroethane	7.964	117	49358	12.1336652	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 23A.D
Acq On : 15 Sep 2015 5:42 pm
Operator : 621
Sample : STD VMS 12.5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 23 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:53:56 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 23A.D
Acq On    : 15 Sep 2015   5:42 pm
Operator  : 621
Sample    : STD VMS 12.5 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 23   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:29 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
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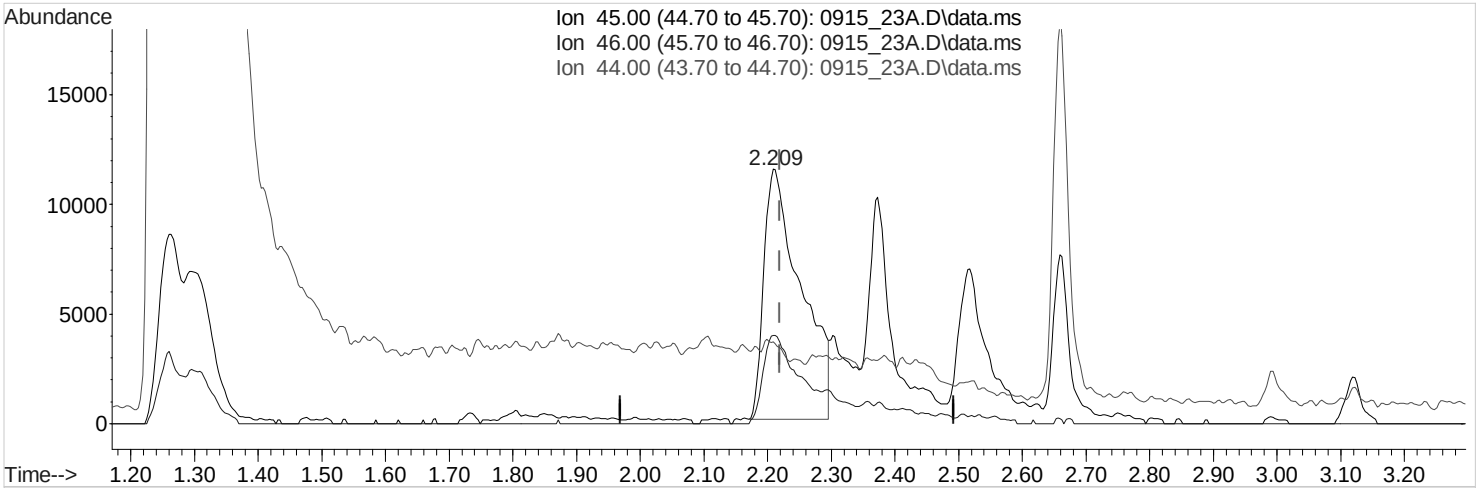
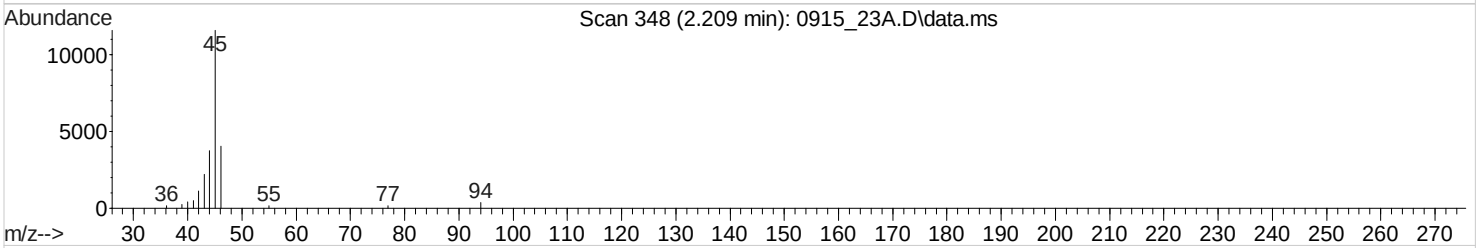
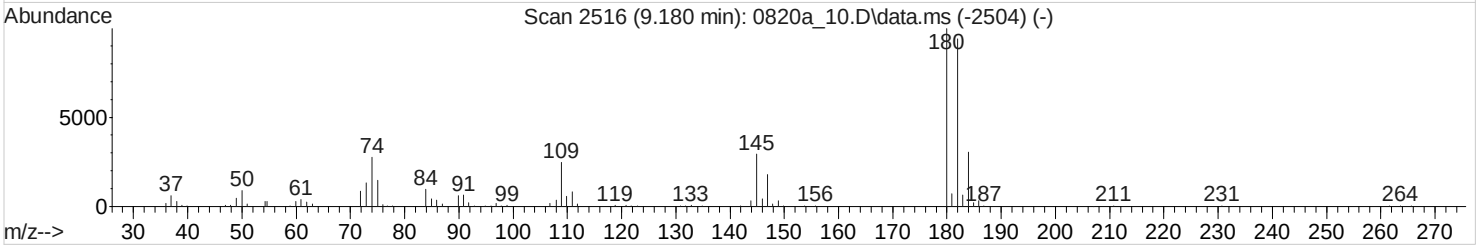






TIC: 0915_23A.D\data.ms

(97) ETHANOL (T)

2.209min (-0.010) 932.1785587 ppb

Qvalue = 39

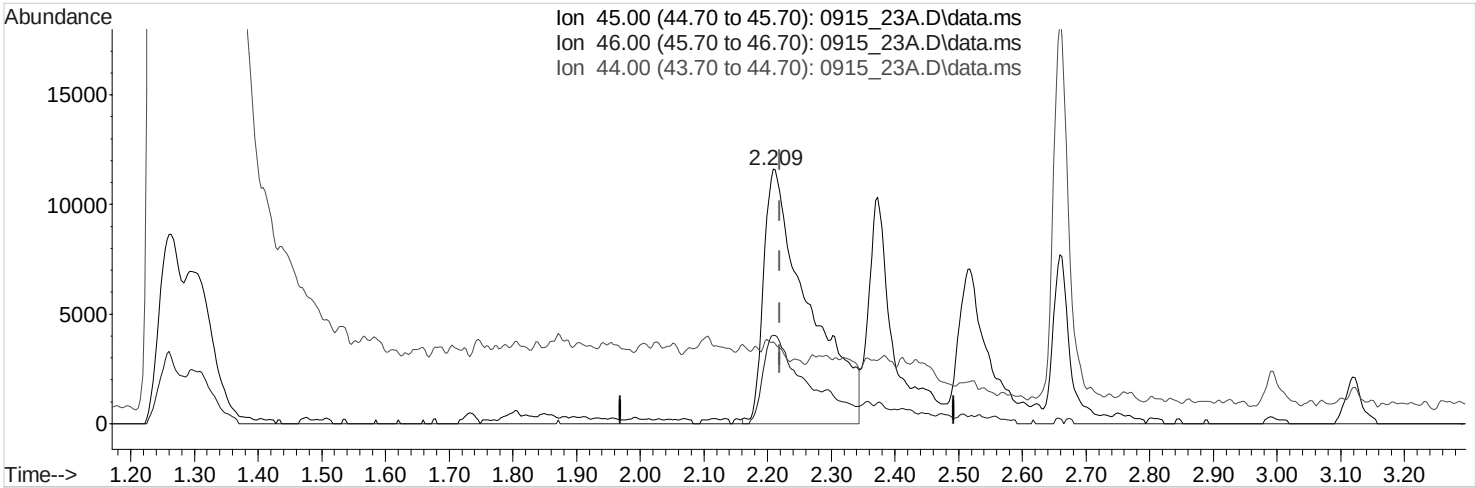
response 46295

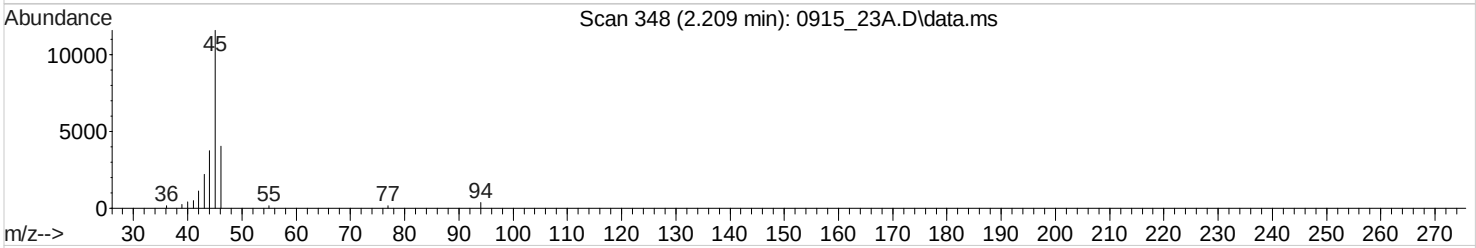
Ion	Exp%	Act%
45.00	100	100
46.00	10.00	33.74#
44.00	0.50	3.58#
0.00	0.00	0.00

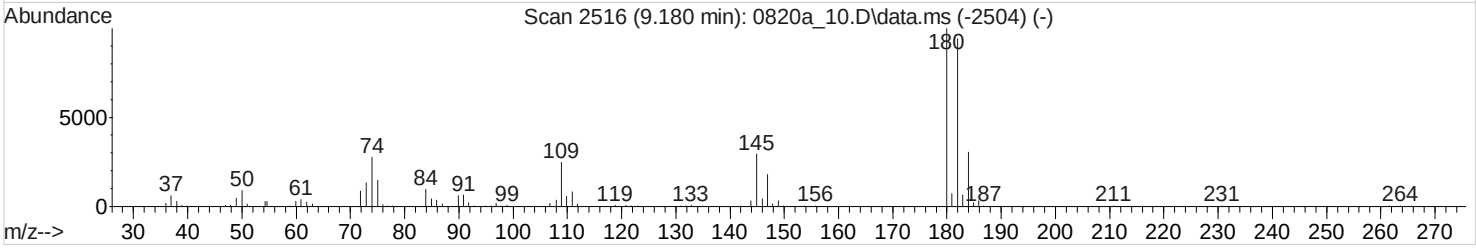
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 23A.D
Acq On    : 15 Sep 2015   5:42 pm
Operator  : 621
Sample    : STD VMS 12.5 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 23   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:29 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```







TIC: 0915_23A.D\data.ms

(97) ETHANOL (T)

2.209min (-0.010) 1143.6025756 ppb m

response 56795

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	27.50#
44.00	0.50	2.92#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 24A.D
Acq On : 15 Sep 2015 6:00 pm
Operator : 621
Sample : STD VMS 15 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 24 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:54:31 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

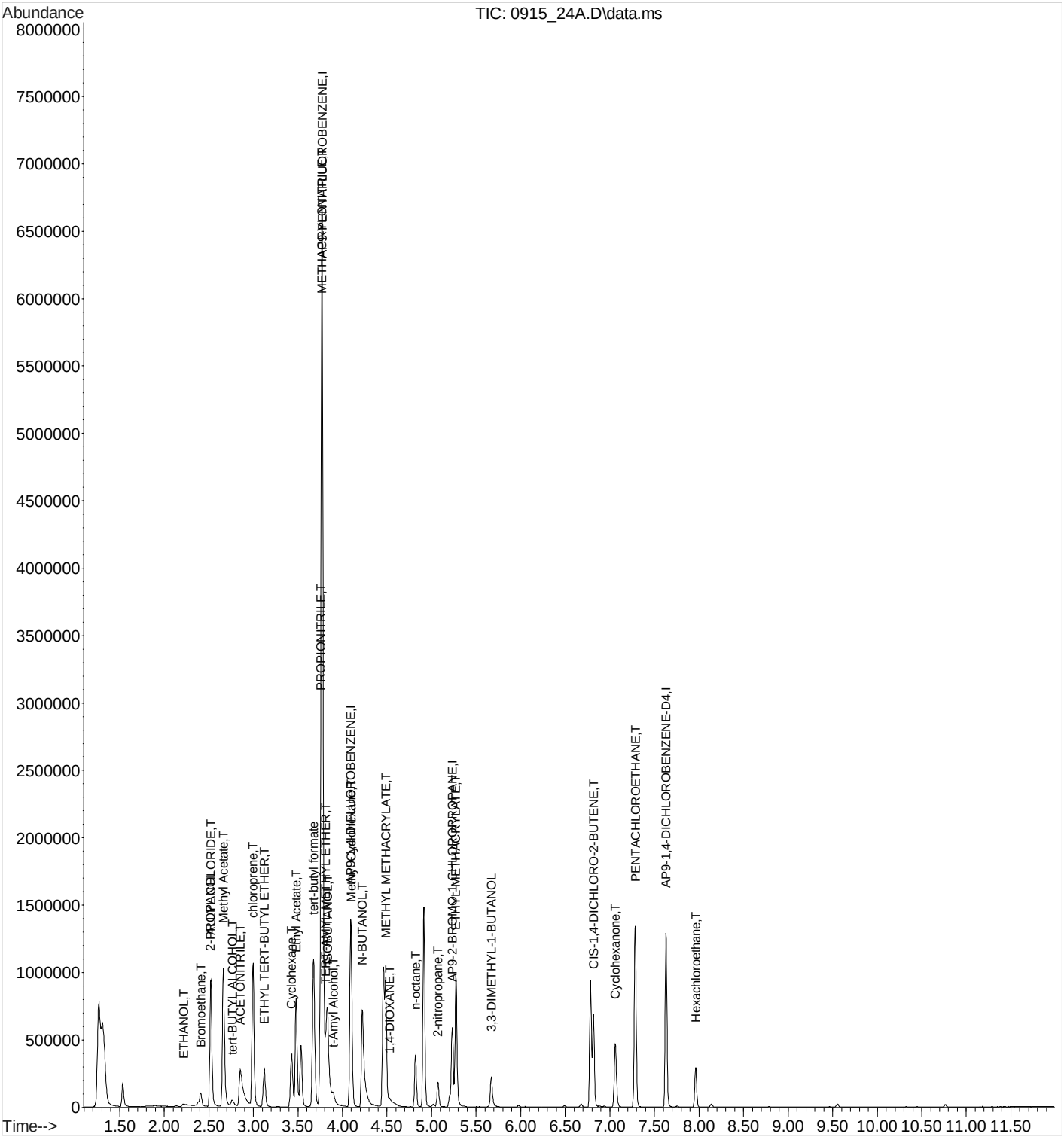
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000 ppb	-3.77
41) 8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000 ppb	-4.09
53) 8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000 ppb	-5.23
84) 8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000 ppb	-7.63
96) AP9-PENTAFLUOROBENZENE	3.775	168	410747	40.0000000 ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.090	114	665582	40.0000000 ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.231	79	105162	40.0000000 ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.630	152	299496	40.0000000 ppb	0.00
System Monitoring Compounds					
33) DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000 ppb	
Spiked Amount 40.000	Range 79 - 121		Recovery	= 0.00%#	
46) a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000 ppb	
Spiked Amount 40.000	Range 90 - 116		Recovery	= 0.00%#	
50) TOLUENE-D8	0.000	98	0d	0.0000000 ppb	
Spiked Amount 40.000	Range 90 - 115		Recovery	= 0.00%#	
68) 4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000 ppb	
Spiked Amount 40.000	Range 80 - 120		Recovery	= 0.00%#	
Target Compounds					Qvalue
97) ETHANOL	2.219	45	64451m	1304.6486279 ppb	
98) Bromoethane	2.408	108	60910	15.0258772 ppb	97
99) 2-PROPANOL	2.518	45	22227	73.3710505 ppb	100
100) Methyl Acetate	2.662	43	1208927	302.2009606 ppb #	100
101) ACETONITRILE	2.855	41	508836	753.0324118 ppb	99
102) ALLYL CHLORIDE	2.524	76	182690	78.0768876 ppb	98
103) tert-BUTYL ALCOHOL	2.765	59	72499	73.9833055 ppb	98
104) chloroprene	2.997	53	542229	74.9577410 ppb	99
105) ETHYL TERT-BUTYL ETHER	3.122	59	226147	15.4418020 ppb	99
106) PROPIONITRILE	3.756	54	557100	766.1770539 ppb	99
107) Ethyl Acetate	3.479	43	828638	155.2042535 ppb	100
108) METHACRYLONITRILE	3.768	67	1572965	766.2197291 ppb	100
109) Cyclohexane	3.428	56	182573	15.5194690 ppb	98
110) tert-butyl formate	3.675	59	508255	151.6039181 ppb	99
111) ISOBUTANOL	3.833	43	541267	1557.3747059 ppb #	99
112) t-Amyl Alcohol	3.897	59	32897	67.5736203 ppb #	84
113) TERT-AMYL METHYL ETHER	3.813	73	249795	15.6892934 ppb	99
115) N-BUTANOL	4.222	56	493378	2987.1407633 ppb	100
116) Methyl Cyclohexane	4.100	83	166835	14.9725306 ppb	98
117) 2-nitropropane	5.071	43	111362	72.7309214 ppb	96
118) METHYL METHACRYLATE	4.485	41	387203	72.4553007 ppb	98
119) 1,4-DIOXANE	4.530	88	78105	1529.2690528 ppb #	91
120) n-octane	4.820	85	61384	15.3543676 ppb	98
121) 3,3-DIMETHYL-1-BUTANOL	5.672	57	107902	144.2225039 ppb	97
123) ETHYL METHACRYLATE	5.273	69	434195	79.1481138 ppb	100
124) CIS-1,4-DICHLORO-2-BUTENE	6.817	53	126340	79.6476384 ppb	96
125) Cyclohexanone	7.061	55	198448	150.0476316 ppb	100
126) PENTACHLOROETHANE	7.286	117	253383	79.9067508 ppb	99
127) Hexachloroethane	7.964	117	61393	15.7730571 ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 24A.D
Acq On : 15 Sep 2015 6:00 pm
Operator : 621
Sample : STD VMS 15 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 24 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:54:31 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 24A.D
Acq On    : 15 Sep 2015   6:00 pm
Operator  : 621
Sample    : STD VMS 15 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 24   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:34 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
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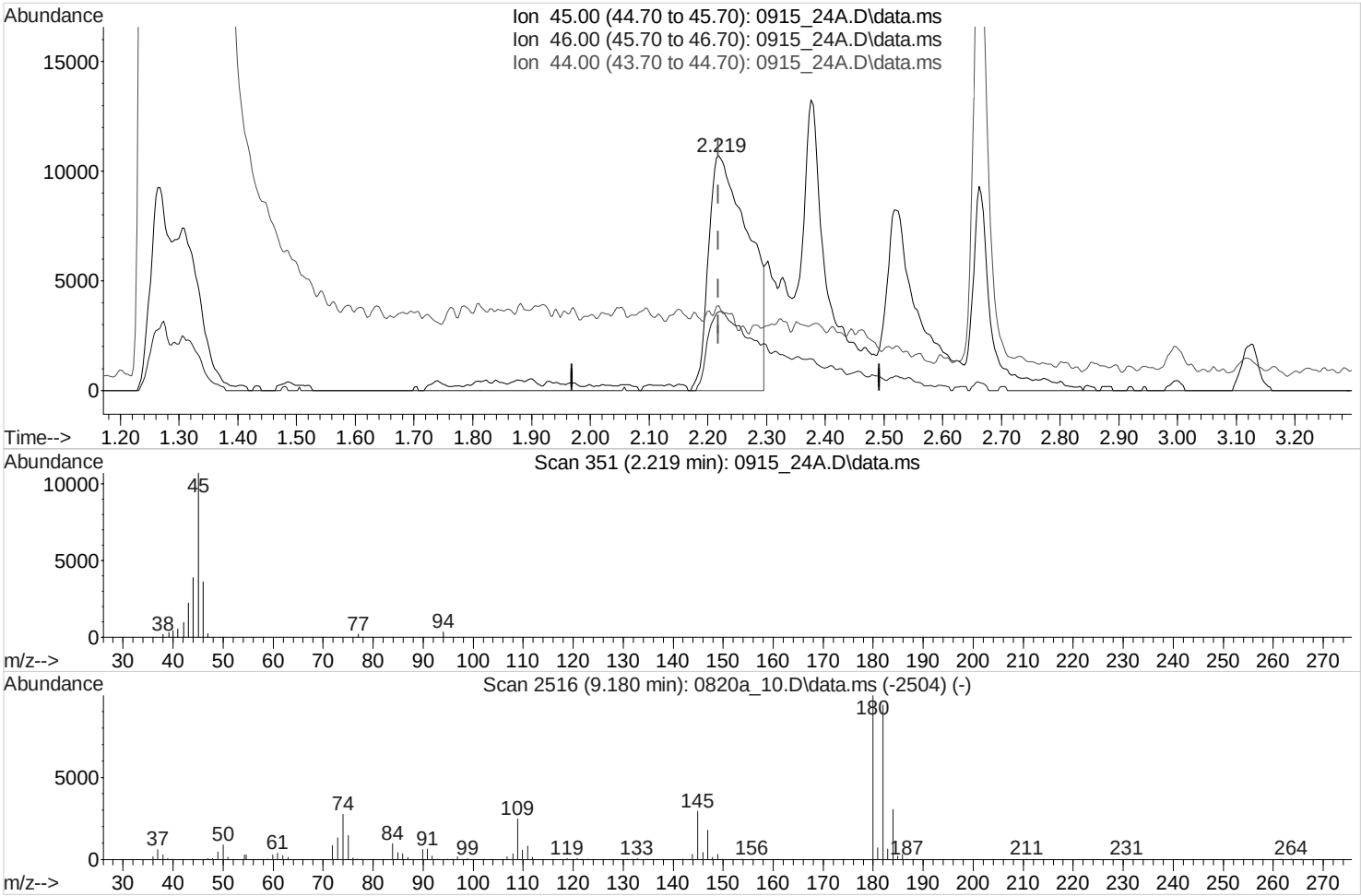


TIC: 0915_24A.D\data.ms

(97) ETHANOL (T)

2.219min (+0.000) 1031.2333354 ppb

Qvalue = 29

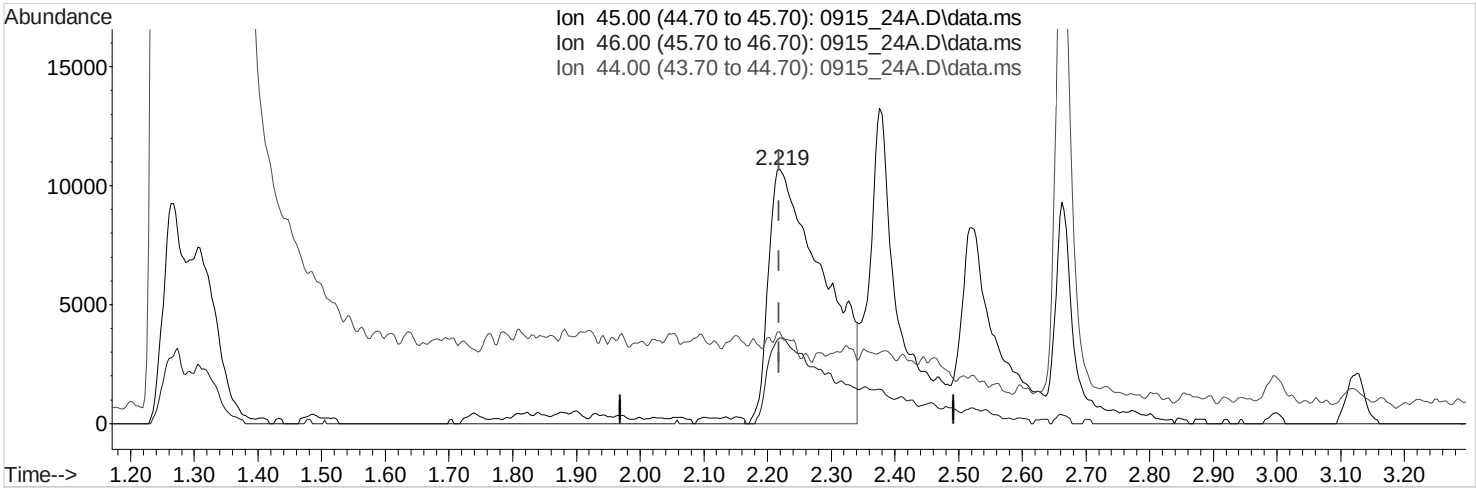
response 50944

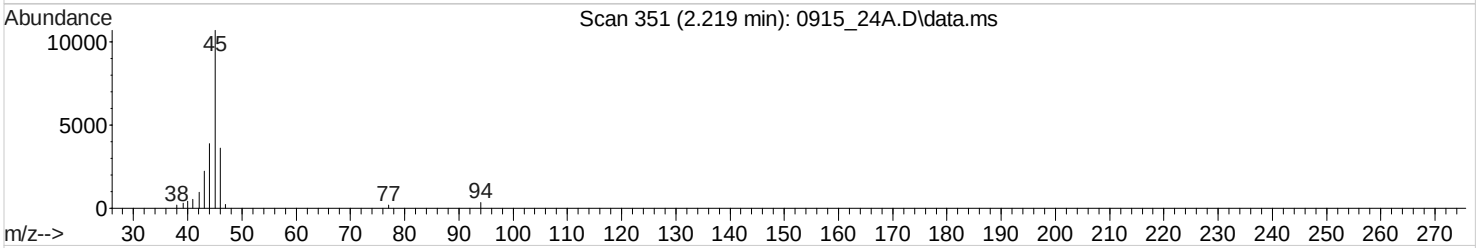
Ion	Exp%	Act%
45.00	100	100
46.00	10.00	37.37#
44.00	0.50	3.59#
0.00	0.00	0.00

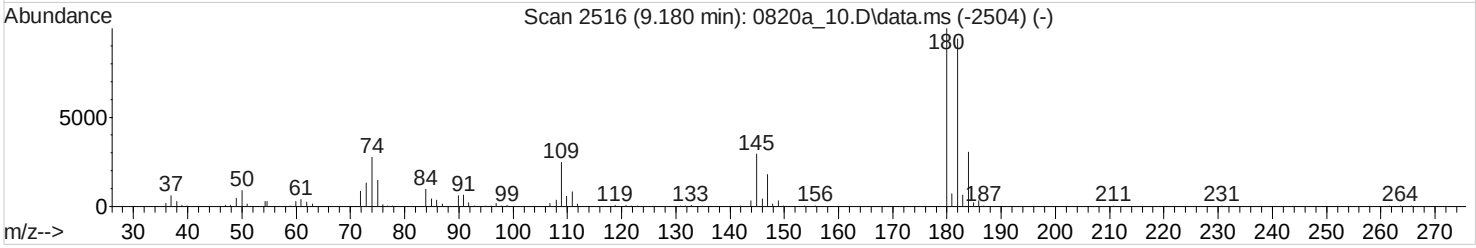
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 24A.D
Acq On    : 15 Sep 2015   6:00 pm
Operator  : 621
Sample    : STD VMS 15 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 24   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:34 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```







TIC: 0915_24A.D\data.ms

(97) ETHANOL (T)

2.219min (+0.000) 1304.6486279 ppb m

response 64451

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	29.54#
44.00	0.50	2.83#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 25A.D
Acq On : 15 Sep 2015 6:18 pm
Operator : 621
Sample : STD VMS 17.5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 25 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:55:07 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

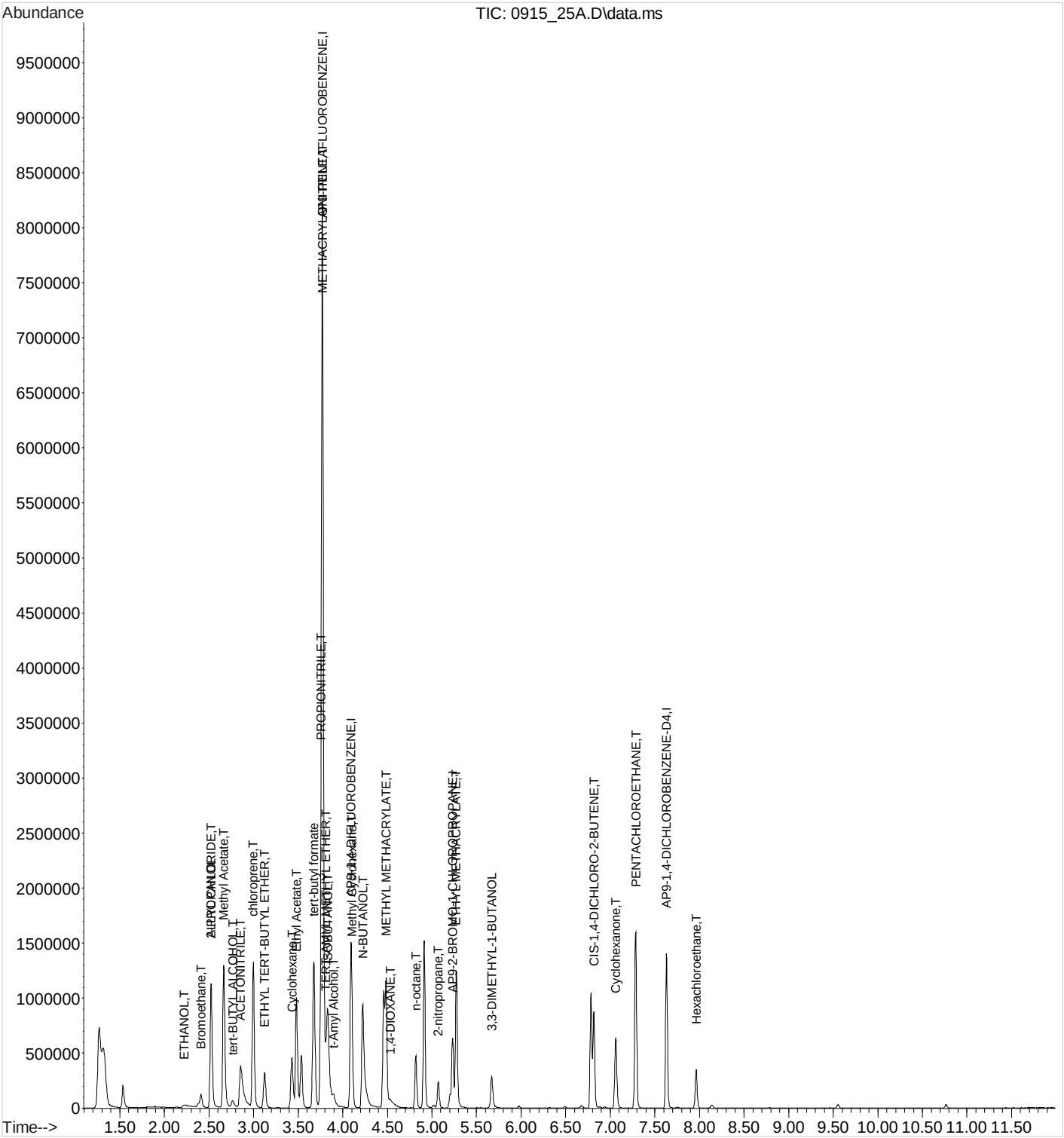
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
1)	8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb		-3.77
41)	8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb		-4.09
53)	8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb		-5.23
84)	8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb		-7.63
96)	AP9-PENTAFLUOROBENZENE	3.775	168	433210	40.0000000	ppb		0.00
114)	AP9-1,4-DIFLUOROBENZENE	4.093	114	701659	40.0000000	ppb		0.00
122)	AP9-2-BROMO-1-CHLOROPR...	5.231	79	115669	40.0000000	ppb		0.00
128)	AP9-1,4-DICHLOROBENZEN...	7.630	152	321552	40.0000000	ppb		0.00
	System Monitoring Compounds							
33)	DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 79 - 121		Recovery	=	0.00%#		
46)	a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 90 - 116		Recovery	=	0.00%#		
50)	TOLUENE-D8	0.000	98	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 90 - 115		Recovery	=	0.00%#		
68)	4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb		
	Spiked Amount 40.000	Range 80 - 120		Recovery	=	0.00%#		
	Target Compounds							Qvalue
97)	ETHANOL	2.222	45	83501m	1602.6234951	ppb		
98)	Bromoethane	2.411	108	72681	16.9999662	ppb		98
99)	2-PROPANOL	2.524	45	29098	91.0715974	ppb		100
100)	Methyl Acetate	2.665	43	1517032	359.5559104	ppb	#	100
101)	ACETONITRILE	2.855	41	637743	894.8648859	ppb		99
102)	ALLYL CHLORIDE	2.524	76	219281	88.8555679	ppb		98
103)	tert-BUTYL ALCOHOL	2.765	59	93087	90.0672030	ppb		98
104)	chloroprene	2.997	53	675903	88.5919069	ppb		100
105)	ETHYL TERT-BUTYL ETHER	3.125	59	266653	17.2635278	ppb		99
106)	PROPIONITRILE	3.755	54	687771	896.8416511	ppb		99
107)	Ethyl Acetate	3.482	43	1030166	182.9455765	ppb		100
108)	METHACRYLONITRILE	3.771	67	1923463	888.3703078	ppb		100
109)	Cyclohexane	3.431	56	216331	17.4355234	ppb		98
110)	tert-butyl formate	3.675	59	612599	173.2530849	ppb		99
111)	ISOBUTANOL	3.833	43	661819	1805.4968086	ppb		99
112)	t-Amyl Alcohol	3.897	59	43967	85.6295483	ppb		91
113)	TERT-AMYL METHYL ETHER	3.813	73	292512	17.4196433	ppb		96
115)	N-BUTANOL	4.225	56	624019	3583.8447633	ppb		100
116)	Methyl Cyclohexane	4.103	83	200818	17.0956710	ppb		98
117)	2-nitropropane	5.070	43	142767	88.4474608	ppb		98
118)	METHYL METHACRYLATE	4.485	41	480310	85.2567055	ppb		99
119)	1,4-DIOXANE	4.533	88	95444	1772.6751781	ppb	#	98
120)	n-octane	4.820	85	74241	17.6155428	ppb		98
121)	3,3-DIMETHYL-1-BUTANOL	5.672	57	136368	172.8985997	ppb		99
123)	ETHYL METHACRYLATE	5.273	69	546486	90.5683901	ppb		97
124)	CIS-1,4-DICHLORO-2-BUTENE	6.816	53	161456	92.5396975	ppb		94
125)	Cyclohexanone	7.061	55	261632	179.8519437	ppb		99
126)	PENTACHLOROETHANE	7.286	117	302392	86.6998111	ppb		100
127)	Hexachloroethane	7.964	117	73649	17.2030610	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 25A.D
Acq On : 15 Sep 2015 6:18 pm
Operator : 621
Sample : STD VMS 17.5 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 25 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:55:07 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 25A.D
Acq On    : 15 Sep 2015   6:18 pm
Operator  : 621
Sample    : STD VMS 17.5 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 25   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:39 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
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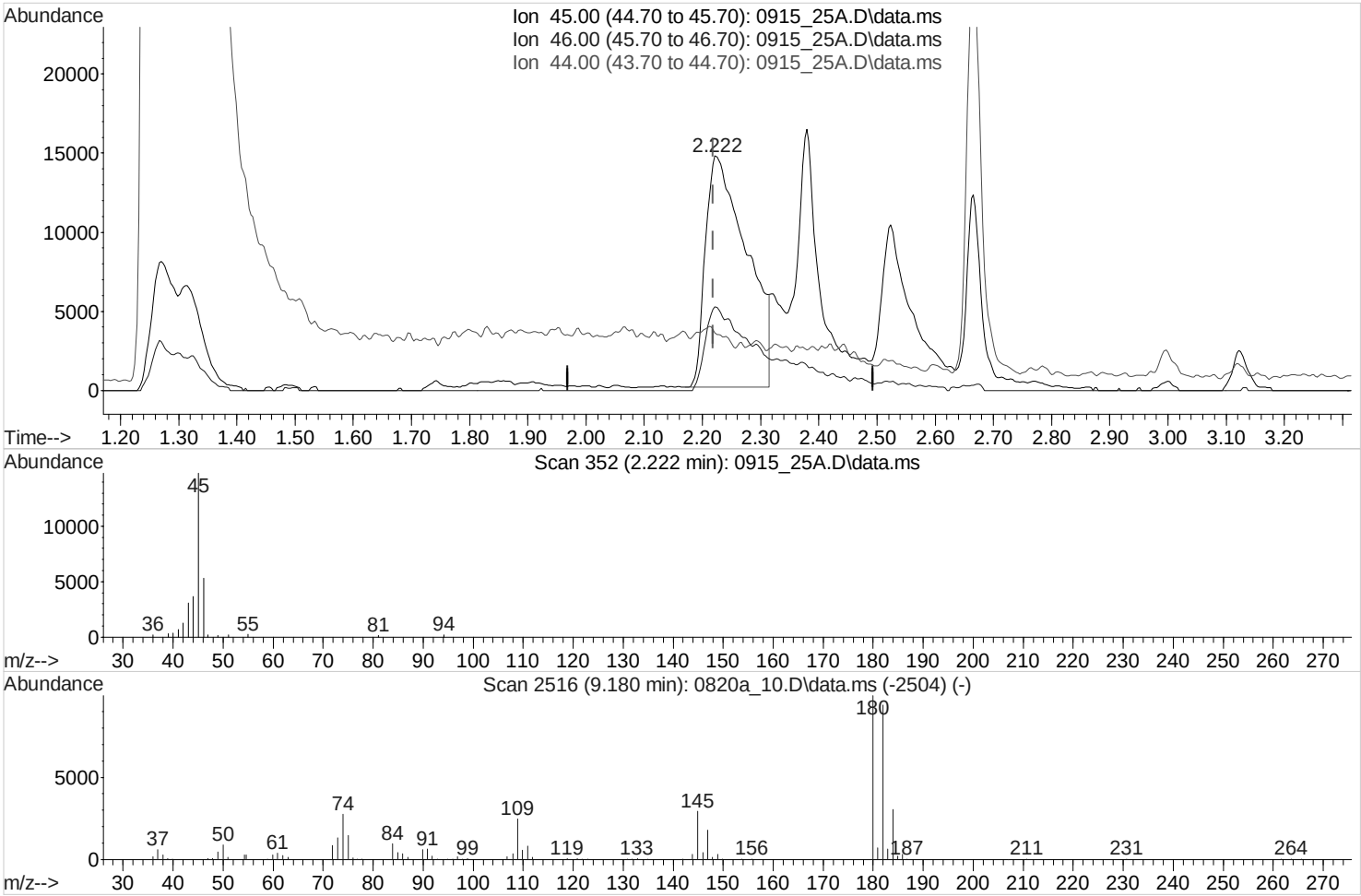

TIC: 0915_25A.D\data.ms

(97) ETHANOL (T)

2.222min (+0.003) 1386.6461751 ppb

Qvalue = 48

response 72248

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	30.28#
44.00	0.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 25A.D
Acq On    : 15 Sep 2015   6:18 pm
Operator  : 621
Sample    : STD VMS 17.5 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 25   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:48:39 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
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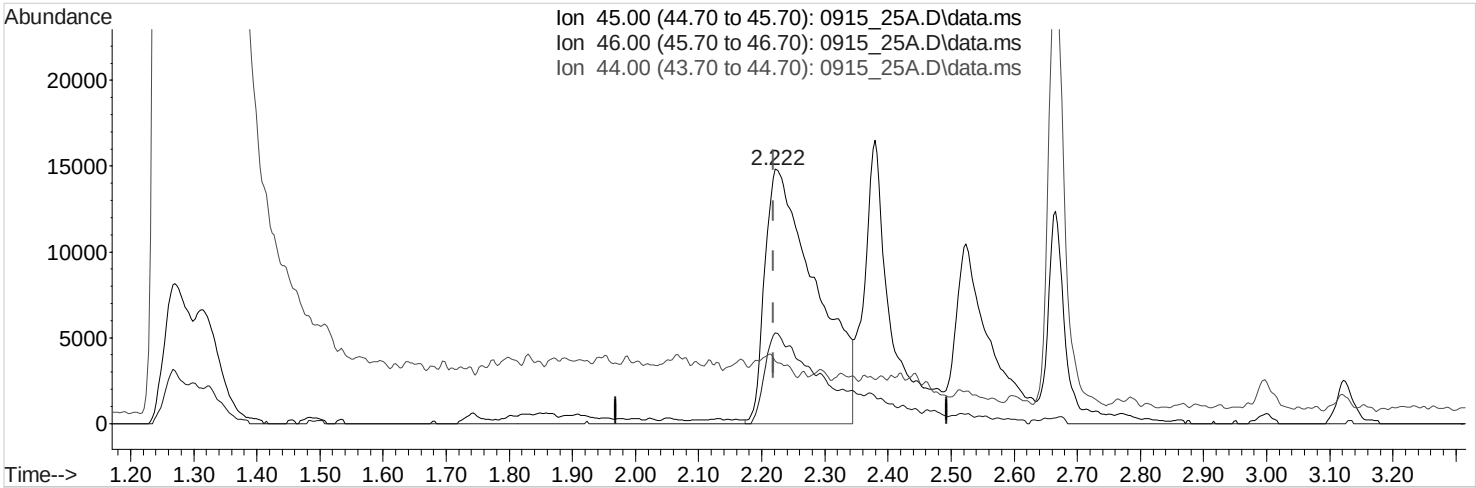
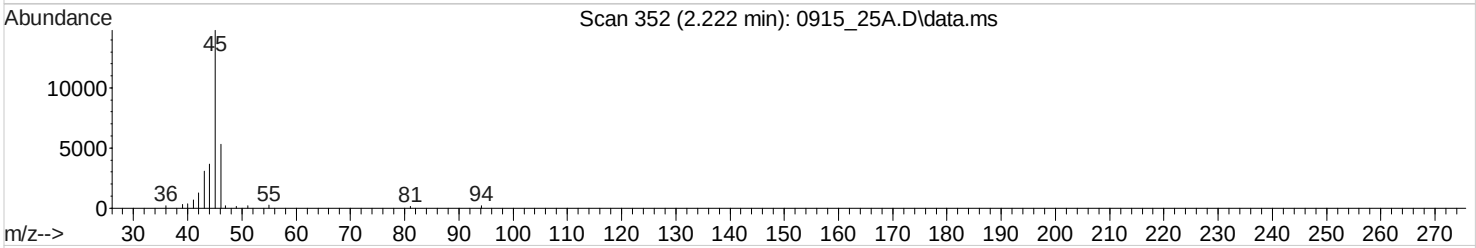
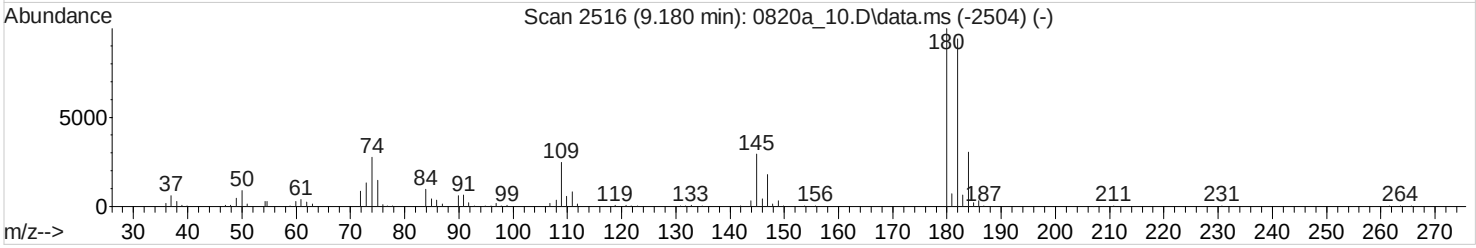






TIC: 0915_25A.D\data.ms

(97) ETHANOL (T)

2.222min (+0.003) 1602.6234951 ppb m

response 83501

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	26.20#
44.00	0.50	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 26A.D
Acq On : 15 Sep 2015 6:37 pm
Operator : 621
Sample : STD VMS 20 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 26 Sample Multiplier: 1
InstName : VOCMS25

Quant Time: Sep 16 14:55:51 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

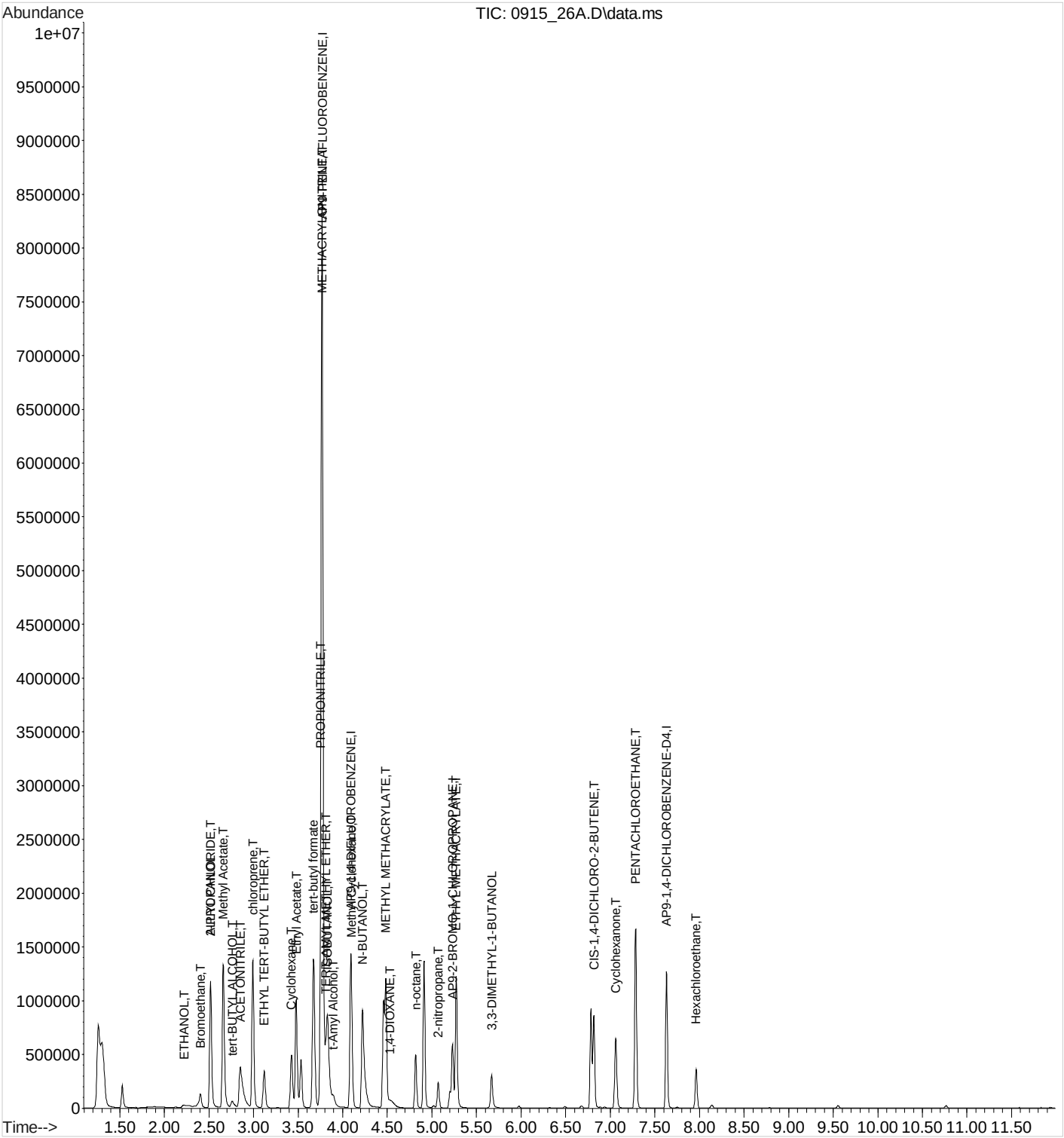
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-3.77
41) 8260-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-4.09
53) 8260-2-BROMO-1-CHLOROP...	0.000	79	0m	40.0000000	ppb	-5.23
84) 8260-1,4-DICHLOROBENZE...	0.000	152	0m	40.0000000	ppb	-7.63
96) AP9-PENTAFLUOROBENZENE	3.772	168	394816	40.0000000	ppb	0.00
114) AP9-1,4-DIFLUOROBENZENE	4.090	114	629576	40.0000000	ppb	0.00
122) AP9-2-BROMO-1-CHLOROPR...	5.231	79	104486	40.0000000	ppb	0.00
128) AP9-1,4-DICHLOROBENZEN...	7.630	152	294110	40.0000000	ppb	0.00
System Monitoring Compounds						
33) DIBROMOFLUOROMETHANE	0.000	111	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 79 - 121		Recovery = 0.00%#			
46) a,a,a-Trifluorotoluene	0.000	146	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 90 - 116		Recovery = 0.00%#			
50) TOLUENE-D8	0.000	98	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 90 - 115		Recovery = 0.00%#			
68) 4-BROMOFLUOROBENZENE	0.000	95	0d	0.0000000	ppb	
Spiked Amount 40.000	Range 80 - 120		Recovery = 0.00%#			
Target Compounds						Qvalue
97) ETHANOL	2.219	45	93830m	1975.9924187	ppb	
98) Bromoethane	2.405	108	77929	20.0000000	ppb	100
99) 2-PROPANOL	2.518	45	29119	100.0000000	ppb	100
100) Methyl Acetate	2.659	43	1538100	400.0000000	ppb #	100
101) ACETONITRILE	2.852	41	649508	1000.0000000	ppb	100
102) ALLYL CHLORIDE	2.518	76	224912	100.0000000	ppb	100
103) tert-BUTYL ALCOHOL	2.762	59	94193	100.0000000	ppb	100
104) chloroprene	2.993	53	695323	100.0000000	ppb	100
105) ETHYL TERT-BUTYL ETHER	3.119	59	281542	20.0000000	ppb	100
106) PROPIONITRILE	3.752	54	698915	1000.0000000	ppb	100
107) Ethyl Acetate	3.479	43	1026388	200.0000000	ppb	100
108) METHACRYLONITRILE	3.768	67	1973268	1000.0000000	ppb	100
109) Cyclohexane	3.424	56	226157	20.0000000	ppb	100
110) tert-butyl formate	3.672	59	644498	200.0000000	ppb	100
111) ISOBUTANOL	3.829	43	668142	2000.0000000	ppb	100
112) t-Amyl Alcohol	3.894	59	46795	100.0000000	ppb	100
113) TERT-AMYL METHYL ETHER	3.810	73	306077	20.0000000	ppb	100
115) N-BUTANOL	4.222	56	624929	4000.0000000	ppb	100
116) Methyl Cyclohexane	4.100	83	210799	20.0000000	ppb	100
117) 2-nitropropane	5.071	43	144832	100.0000000	ppb	100
118) METHYL METHACRYLATE	4.482	41	505493	100.0000000	ppb	100
119) 1,4-DIOXANE	4.530	88	96621	2000.0000000	ppb #	100
120) n-octane	4.820	85	75631	20.0000000	ppb	100
121) 3,3-DIMETHYL-1-BUTANOL	5.669	57	141538	200.0000000	ppb	100
123) ETHYL METHACRYLATE	5.273	69	545059	100.0000000	ppb	100
124) CIS-1,4-DICHLORO-2-BUTENE	6.816	53	157604	100.0000000	ppb	100
125) Cyclohexanone	7.061	55	262813	200.0000000	ppb	100
126) PENTACHLOROETHANE	7.283	117	315060	100.0000000	ppb	100
127) Hexachloroethane	7.961	117	77345	20.0000000	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 26A.D
Acq On : 15 Sep 2015 6:37 pm
Operator : 621
Sample : STD VMS 20 ppb 15H20824
Misc : water IS/SURR15A20860
ALS Vial : 26 Sample Multiplier: 1
InstName : VOCMS25

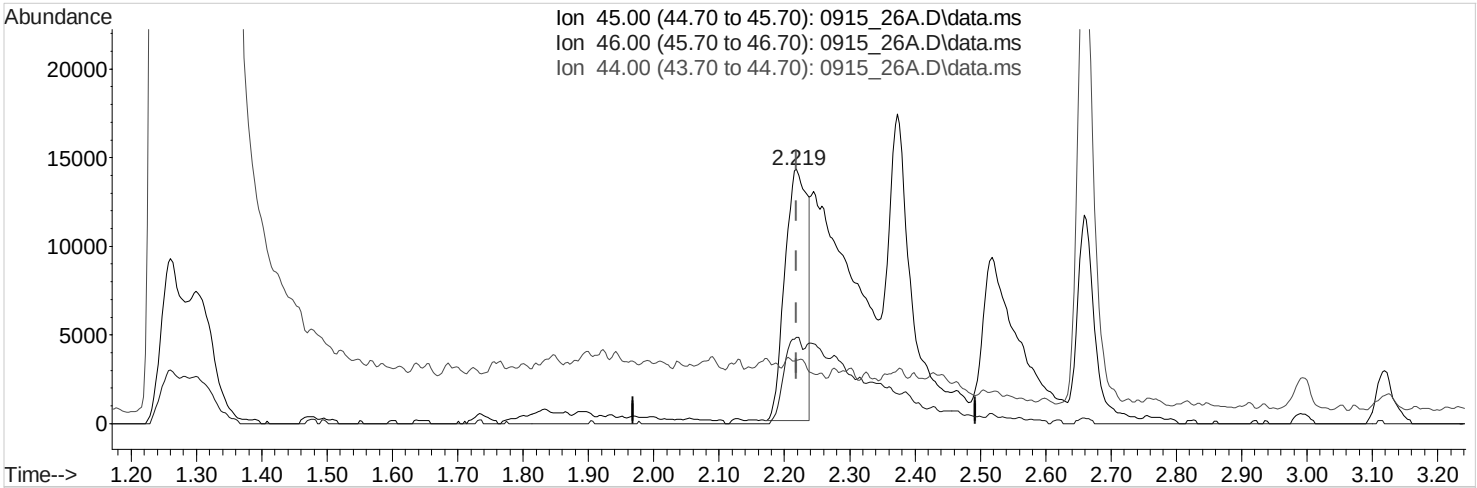
Quant Time: Sep 16 14:55:51 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration

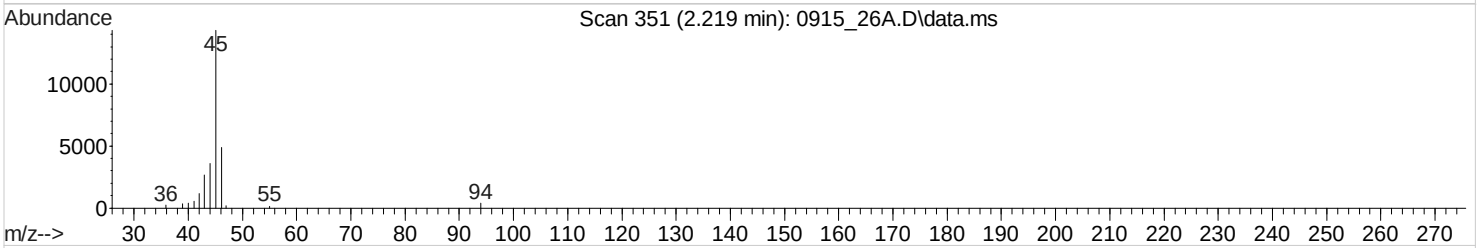


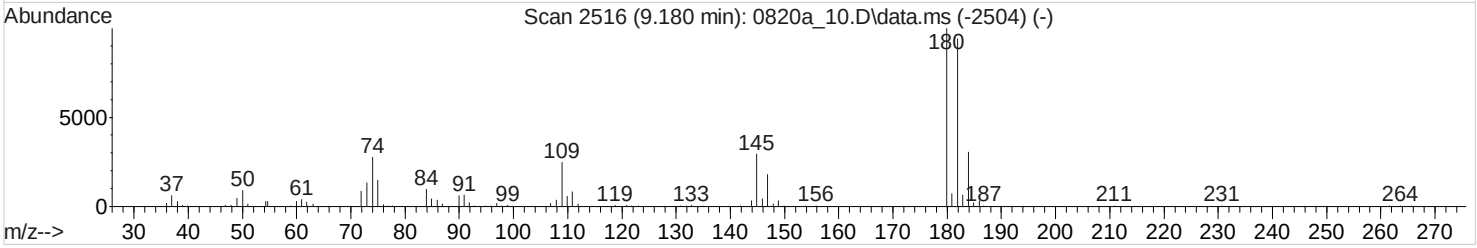
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 26A.D
Acq On    : 15 Sep 2015   6:37 pm
Operator  : 621
Sample    : STD VMS 20 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 26   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:49:01 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```







TIC: 0915_26A.D\data.ms

(97) ETHANOL (T)

2.219min (0.000) 717.1527851 ppb

Qvalue = 54

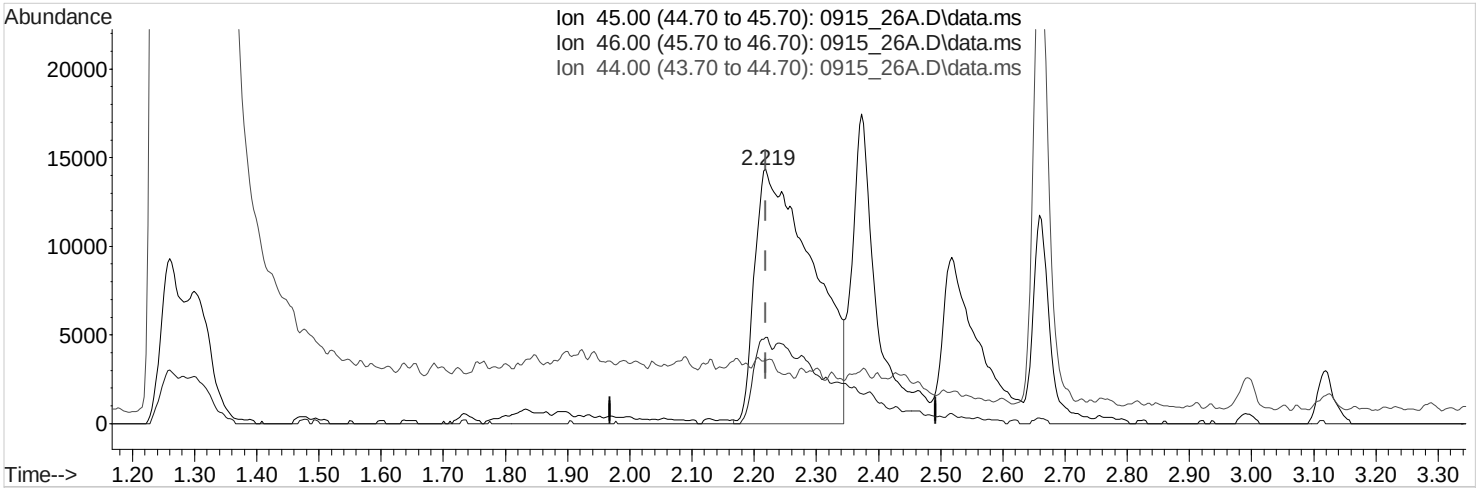
response 34054

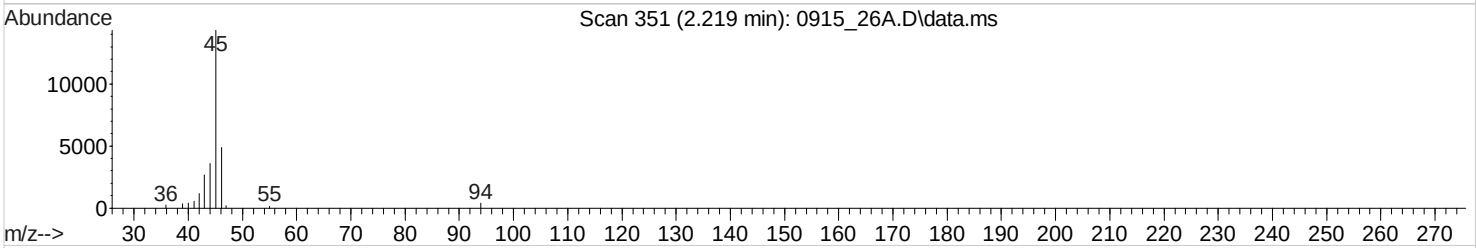
Ion	Exp%	Act%
45.00	100	100
46.00	10.00	27.82#
44.00	0.50	1.47#
0.00	0.00	0.00

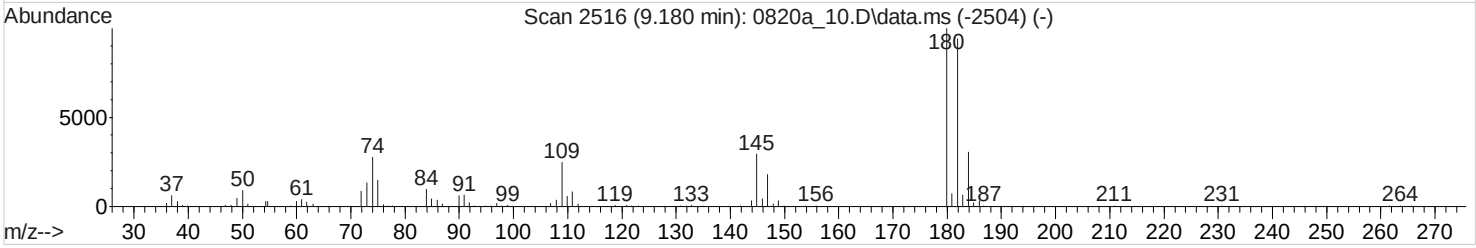
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\091515A\
Data File : 0915 26A.D
Acq On    : 15 Sep 2015   6:37 pm
Operator  : 621
Sample    : STD VMS 20 ppb 15H20824
Misc      : water IS/SURR15A20860
ALS Vial  : 26   Sample Multiplier: 1
InstName  : VOCMS25

Quant Time: Sep 16 14:49:01 2015
Quant Method : C:\msdchem\1\methods\V825I15O.M
Quant Title  : Env. Science Corp. 8260B/6210D/624 - VOCMS25
QLast Update : Wed Sep 16 14:47:39 2015
Response via : Initial Calibration
```







TIC: 0915_26A.D\data.ms

(97) ETHANOL (T)

2.219min (0.000) 1975.9924187 ppb m

response 93830

Ion	Exp%	Act%
45.00	100	100
46.00	10.00	10.10
44.00	0.50	0.54
0.00	0.00	0.00

CHAIN-OF-CUSTODY RECORD

URS
8181 East Tufts Avenue
Denver, CO 80237
Phone: (303) 694-2770
Fax: (303) 694-3946

D197

Lab: ESC

PROJECT NAME	PROJECT NUMBER
Holloman AFB	60425210.23446543
Project Manager: Sheri Fling	**Sample Manager:** Katie Abbott
Project Mgr Phone: (303) 332-5297	**Sample Mgr Phone:** (303) 875-0351

Cooler # 8

TESTS: GRO; VOCs 8260B

CONTAINER TYPE AND PRESERVATIVE: 2X40ml V Amb, < 6C HCL; 2X40ml V Amb, < 6C HCL

Sample ID	Date	Time	Matrix	Total Containers	2X40ml V Amb, < 6C HCL	2X40ml V Amb, < 6C HCL	Remarks
TripBlank-LT06	11/9/15		WQ	2		X	L800830-01

Invo: URSTAZ-DOD HOLL Date : 03Nov15
Customer : P530137 Weight : 10 LBS
Phone : (615)758-5858 COD :
Sat Del : N DV : 0.00

Shipping : 0.00
Special : 0.00
Handling : 0.00
Total : 0.00

Svcs: STANDARD OVERNIGHT
TRCK: 6529 1903 6751

M 3.2 60SJ

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature
Printed Name Katie Abbott	Printed Name	Printed Name	Printed Name
Firm URS	Firm	Firm	Firm
Date/Time 11/12/15 1530	Date/Time	Date/Time	Date/Time 11/13/15 0900

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.
5. VOCs/SVOCs/PAHs analyte lists are included in the site-specific QAPPs
6. Metals analyte list:
   6020 - Aluminum, Barium, Beryllium, Copper, Manganese, Vanadium, Zinc, Antimony, Arsenic, Cadmium, Chromium, Cobalt, Lead, Nickel, Selenium, Silver, Thallium, (plus Iron as noted).
   7470A - Mercury
7. Dissolved metals are field filtered

8 = VP oz

Container Key: P = Poly Amb = Amber V = Vial G = Glass

CHAIN-OF-CUSTODY RECORD

URS
8181 East Tufts Avenue
Denver , CO 80237
Phone: (303) 694-2770
Fax: (303) 694-3946

PROJECT NAME	PROJECT NUMBER
Holloman AFB	60425210.23446543
Project Manager: Sheri Fling	**Sample Manager:** Katie Abbott
Project Mgr Phone: (303) 332-5297	**Sample Mgr Phone:** (303) 875-0351

Lab: ESC

Cooler # 6

TESTS: GRO; VOCs 8260B

CONTAINER TYPE AND PRESERVATIVE: 2X40ml V Amb, < 6C HCL; 2X40ml V Amb, < 6C HCL

Sample ID	Date	Time	Matrix	Total Containers	2X40ml V Amb, < 6C HCL	2X40ml V Amb, < 6C HCL	Remarks
TripBlank-LT07	11/11/15		WQ	2		X	L800830-02

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: KA	Signature	Signature	Signature: [illegible]
Printed Name: Katie Abbott	Printed Name	Printed Name	Printed Name
Firm: URS	Firm	Firm	Firm
Date/Time: 11/12/15 1530	Date/Time	Date/Time	Date/Time: 11/13/15 0900

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.
5. VOCs/SVOCs/PAHs analyte lists are included in the site-specific QAPPs
6. Metals analyte list:
   6020 - Aluminum, Barium, Beryllium, Copper , Manganese, Vanadium, Zinc, Antimony, Arsenic, Cadmium, Chromium, Cobalt , Lead, Nickel, Selenium, Silver, Thallium, (plus Iron as noted).
   7470A - Mercury
7. Dissolved metals are field filtered

Container Key: P = Poly Amb = Amber V = Vial G = Glass

JW7 3.4

CHAIN-OF-CUSTODY RECORD

URS
8181 East Tufts Avenue
Denver, CO 80237
Phone: (303) 694-2770
Fax: (303) 694-3946

PROJECT NAME	PROJECT NUMBER
Holloman AFB	60425210.23446543
Project Manager: Sheri Fling	**Sample Manager:** Katie Abbott
Project Mgr Phone: (303) 332-5297	**Sample Mgr Phone:** (303) 875-0351

Lab: ESC

Cooler #_____

TESTS: GRO; VOCs 8260B

CONTAINER TYPE AND PRESERVATIVE: 2X40ml V Amb, < 6C HCL; 2X40ml V Amb, < 6C HCL

Sample ID	Date	Time	Matrix	Total Containers	2X40ml V Amb, < 6C HCL	2X40ml V Amb, < 6C HCL	Remarks
FieldBlank-FT07	11/11/15	1740	WQ	2		X	L800830-03

M 10 3.2 60US

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature
Printed Name Katie Abbott	Printed Name	Printed Name	Printed Name
Firm URS	Firm	Firm	Firm
Date/Time 11/12/15 1530	Date/Time	Date/Time	Date/Time 11/13/15 0900

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.
5. VOCs/SVOCs/PAHs analyte lists are included in the site-specific QAPPs
6. Metals analyte list:
   6020 - Aluminum, Barium, Beryllium, Copper, Manganese, Vanadium, Zinc, Antimony, Arsenic, Cadmium, Chromium, Cobalt, Lead, Nickel, Selenium, Silver, Thallium, (plus Iron as noted).
   7470A - Mercury
7. Dissolved metals are field filtered

Container Key: P = Poly Amb = Amber V = Vial G = Glass

CHAIN-OF-CUSTODY RECORD

URS
8181 East Tufts Avenue
Denver , CO 80237
Phone: (303) 694-2770
Fax: (303) 694-3946

PROJECT NAME	PROJECT NUMBER
Holloman AFB	60425210.23446543
Project Manager: Sheri Fling	**Sample Manager:** Katie Abbott
Project Mgr Phone: (303) 332-5297	**Sample Mgr Phone:** (303) 875-0351

Lab: ESC

Cooler # 6

TESTS: GRO; VOCs 8260B

CONTAINER TYPE AND PRESERVATIVE: 2X40ml V Amb, < 6C HCL; 2X40ml V Amb, < 6C HCL

Sample ID	Date	Time	Matrix	Total Containers	2X40ml V Amb, < 6C HCL	2X40ml V Amb, < 6C HCL	Remarks
FieldBlank-FT11	11/12/15	1000	WQ	2		X	L800830-04

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature KA	Signature	Signature	Signature
Printed Name Katie Abbott	Printed Name	Printed Name	Printed Name
Firm URS	Firm	Firm	Firm
Date/Time 11/12/15 1530	Date/Time	Date/Time	Date/Time 11/13/15 0900

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.
5. VOCs/SVOCs/PAHs analyte lists are included in the site-specific QAPPs
6. Metals analyte list:
   6020 - Aluminum, Barium, Beryllium, Copper , Manganese, Vanadium, Zinc, Antimony, Arsenic, Cadmium, Chromium, Cobalt , Lead, Nickel, Selenium, Silver, Thallium, (plus Iron as noted).
   7470A - Mercury
7. Dissolved metals are field filtered

Container Key: P = Poly Amb = Amber V = Vial G = Glass

JW 3.4

ESC Lab Sciences

Login Confirmation Report

November 15, 2015 - 00:05

YOUR LAB OF CHOICE

Account: URSTAZ - URS Corporation - Tucson AZ - 1088308

Login #	**L800830**	Receive Date: 11/13/2015	TSR: Pam Langford
Template #		Entered: 11/13/2015	By: Andy Vann
Report to:	Sheri Fling	Lab Project Number: URSTAZ-DOD HOLLOMAN	**Report MDL: Y**
	8181 E. Tufts Avenue	Client Project # 60425210.23446543	**HDC: N**
	Denver, CO 80237	Project Description:	PO #
		Collected By: Katie Abbott	PO Req: Y
Phone:	(303) 740-3909 FAX:	Reg. State: NM	Terms: 90
Email:	sheri.fling@urs.com; stan.gladych@urs.com,bmock@esclabsciences.com,tmellette@esclabsciences.com		Quote #

Proj/Acct Comments: PO #' 312575 Metals list: ICP -Al ICP/MS-Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, Ag, Tl, V, Zn plus HG

Matrix	Test	Sample ID	Collection Date	Design ID	Method	Unit Price
L800830-01		**TRIPBLANK-LT06**	**11/09/2015 00:00** Sample Description: Holloman AFB Sample Comments: QC4/DOD.	**Site:**	**Est. Due Date*: 11/20/2015 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		PPBDOD	8260B	$ 46.00
Misc	DISPOSAL	Sample Disposal Charge				$ 0.00
Misc	ENERGY	Energy Surcharge				$ 0.00
Misc	HARDCOPY	Hardcopy Report Charge				$ 0.00
Misc	MTLPREP	Metals Prep Fee per Set				$ 0.00
Misc	SHIPPING	Inbound Transport Charge				$ 0.00
L800830-02		**TRIPBLANK-LT07**	**11/11/2015 00:00** Sample Description: Holloman AFB	**Site:**	**Est. Due Date*: 11/20/2015 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		PPBDOD	8260B	$ 46.00
L800830-03		**FIELD BLANK-FT07**	**11/11/2015 17:40** Sample Description: Holloman AFB	**Site:**	**Est. Due Date*: 11/20/2015 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		PPBDOD	8260B	$ 46.00
L800830-04		**FIELD BLANK-FT11**	**11/02/2015 10:00** Sample Description: Holloman AFB	**Site:**	**Est. Due Date*: 11/20/2015 - R5**	
GW	EDD	Electronic Data Deliverable				$ 0.00
GW	QC4	QC Package				$ 0.00
GW	V8260	Volatiles		PPBDOD	8260B	$ 46.00

Information Only - Not An Invoice - Do Not Pay! Total: $ 184.00

*** Due Date listed is an estimate based on average workloads. Please communicate required dates to your TSR.**