Data Package

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ANALYTICAL LABORATORY

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 28, 2013

Heather Hallett
CDM Smith, Inc. - NY
11 British American Boulevard, Suite 200
Latham, NY 12110

Project Location: Buffalo, NY
Client Job Number:
Project Number: 0897-94461
Laboratory Work Order Number: 13H0490

Enclosed are results of analyses for samples received by the laboratory on August 14, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CDM Smith, Inc. - NY
11 British American Boulevard, Suite 200
Latham, NY 12110
ATTN: Heather Hallett

REPORT DATE: 8/28/2013

PURCHASE ORDER NUMBER: 0897-94461

PROJECT NUMBER: 0897-94461

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H0490

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Buffalo, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-01_08-13-13	13H0490-01	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO2 B	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 2320B	
				SM18-20 2510B	
				SM18-20 3500 Fe D	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 8260C	
MW-02_08-13-13	13H0490-02	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO2 B	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 2320B	
				SM18-20 2510B	
				SM18-20 3500 Fe D	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 8260C	
MW-08_08-13-13	13H0490-03	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO2 B	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 2320B	
				SM18-20 2510B	
				SM18-20 3500 Fe D	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 8260C	

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REPORT DATE: 8/28/2013

PURCHASE ORDER NUMBER: 0897-94461

PROJECT NUMBER: 0897-94461

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H0490

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Buffalo, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-03_08-13-13	13H0490-04	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO2 B	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 2320B	
				SM18-20 2510B	
				SM18-20 3500 Fe D	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 8260C	
TB-01_08-13-13	13H0490-05	Trip Blank Water		SW-846 8260C	
FB-01_08-13-13	13H0490-06	Ground Water		SW-846 8260C	
MW-07_08-13-13	13H0490-07	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO2 B	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 2320B	
				SM18-20 2510B	
				SM18-20 3500 Fe D	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 8260C	
MW-05_08-13-13	13H0490-08	Ground Water		ASTM D516-90, 02	
				SM 18-20 4500 NO2 B	
				SM 18-20 4500 NO3 F	
				SM 5310B	
				SM18-20 2320B	
				SM18-20 2510B	
				SM18-20 3500 Fe D	
				SM18-20 4500 CL B	
				SM18-20 4500S-E	
				SW-846 6010C	
				SW-846 8260C	
TB-02_08-13-13	13H0490-09	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SM18-20 4500S-E

Qualifications:

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Sulfide

13H0490-01[MW-01_08-13-13], 13H0490-02[MW-02_08-13-13], 13H0490-03[MW-08_08-13-13], 13H0490-04[MW-03_08-13-13], 13H0490-07[MW-07_08-13-13], 13H0490-08[MW-05_08-13-13], B078828-BLK1, B078828-BS1

SW-846 8260C

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

B078839-BS1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

13H0490-01[MW-01_08-13-13], 13H0490-02[MW-02_08-13-13], 13H0490-03[MW-08_08-13-13], 13H0490-04[MW-03_08-13-13], 13H0490-05[TB-01_08-13-13], 13H0490-06[FB-01_08-13-13], 13H0490-07[MW-07_08-13-13], 13H0490-08[MW-05_08-13-13], B078839-BLK1, B078839-BS1, B078839-BSD1, B078920-BLK1, B078920-BS1, B078920-BSD1

Elevated reporting limit due to high concentration of target compounds. Requested reporting limit not met.

Analyte & Samples(s) Qualified:

13H0490-07[MW-07_08-13-13]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,3,5-Trichlorobenzene, 1,4-Dioxane

13H0490-09[TB-02_08-13-13], B079026-BLK1, B079026-BS1, B079026-BSD1, 13H0490-05[TB-01_08-13-13], 13H0490-06[FB-01_08-13-13], B078920-BLK1, B078920-BS1, B078920-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, tert-Butyl Alcohol (TBA)

13H0490-01[MW-01_08-13-13], 13H0490-02[MW-02_08-13-13], 13H0490-03[MW-08_08-13-13], 13H0490-04[MW-03_08-13-13], 13H0490-05[TB-01_08-13-13], 13H0490-06[FB-01_08-13-13], 13H0490-07[MW-07_08-13-13], 13H0490-08[MW-05_08-13-13], 13H0490-09[TB-02_08-13-13], B078839-BLK1, B078839-BS1, B078839-BSD1, B078920-BLK1, B078920-BS1, B078920-BSD1, B079026-BLK1, B079026-BS1, B079026-BSD1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane, Bromomethane, Carbon Disulfide, Methylene Chloride, trans-1,2-Dichloroethylene

B078839-BS1, B078839-BSD1, B079026-BS1, B079026-BSD1, B078920-BS1, B078920-BSD1

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The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-01_08-13-13 | Sampled: 8/13/2013 08:25

Sample ID: 13H0490-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/15/13	8/19/13 17:30	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	8/15/13	8/19/13 17:30	LBD
n-Butylbenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-01_08-13-13 | Sampled: 8/13/2013 08:25

Sample ID: 13H0490-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 17:30	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		8/19/13 17:30
Toluene-d8	97.4	70-130		8/19/13 17:30
4-Bromofluorobenzene	93.6	70-130		8/19/13 17:30

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-01_08-13-13 | Sampled: 8/13/2013 08:25

Sample ID: 13H0490-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	0.51	0.050	mg/L	1		SW-846 6010C	8/14/13	8/15/13 18:59	OP

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-01_08-13-13 | Sampled: 8/13/2013 08:25

Sample ID: 13H0490-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alkalinity	400	1.0	mg/L	1		SM18-20 2320B	8/16/13	8/16/13 11:00	VAK
Chloride	150	5.0	mg/L	5		SM18-20 4500 CL B	8/21/13	8/21/13 13:10	VAK
Ferrous Iron	ND	0.20	mg/L	1		SM18-20 3500 Fe D	8/19/13	8/19/13 14:45	VLA
Nitrate as N	ND	0.050	mg/L	1		SM 18-20 4500 NO3 F	8/19/13	8/19/13 9:58	VAK
Nitrite as N	0.37	0.050	mg/L	5		SM 18-20 4500 NO2 B	8/14/13	8/14/13 14:25	VAK
Specific conductance	1200	2.0	µmhos/cm	1		SM18-20 2510B	8/16/13	8/16/13 12:15	CM
Sulfate	130	10	mg/L	5		ASTM D516-90, 02	8/15/13	8/15/13 15:45	VLA
Sulfide	ND	2.0	mg/L	1	L-03	SM18-20 4500S-E	8/15/13	8/15/13 11:10	LL
Total Organic Carbon	12	1.0	mg/L	1		SM 5310B	8/19/13	8/19/13 8:22	LL

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-02_08-13-13 | Sampled: 8/13/2013 09:45

Sample ID: 13H0490-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/15/13	8/19/13 18:01	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	8/15/13	8/19/13 18:01	LBD
n-Butylbenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-02_08-13-13 | Sampled: 8/13/2013 09:45

Sample ID: 13H0490-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:01	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		8/19/13 18:01
Toluene-d8	100	70-130		8/19/13 18:01
4-Bromofluorobenzene	95.2	70-130		8/19/13 18:01

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-02_08-13-13 | Sampled: 8/13/2013 09:45

Sample ID: 13H0490-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	1.1	0.050	mg/L	1		SW-846 6010C	8/14/13	8/15/13 19:04	OP

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-02_08-13-13 | Sampled: 8/13/2013 09:45

Sample ID: 13H0490-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alkalinity	290	1.0	mg/L	1		SM18-20 2320B	8/16/13	8/16/13 11:00	VAK
Chloride	350	5.0	mg/L	5		SM18-20 4500 CL B	8/21/13	8/21/13 13:10	VAK
Ferrous Iron	0.30	0.20	mg/L	1		SM18-20 3500 Fe D	8/19/13	8/19/13 14:45	VLA
Nitrate as N	ND	0.050	mg/L	1		SM 18-20 4500 NO3 F	8/19/13	8/19/13 9:58	VAK
Nitrite as N	ND	0.010	mg/L	1		SM 18-20 4500 NO2 B	8/14/13	8/14/13 14:25	VAK
Specific conductance	1500	2.0	µmhos/cm	1		SM18-20 2510B	8/16/13	8/16/13 12:15	CM
Sulfate	23	2.0	mg/L	1		ASTM D516-90, 02	8/15/13	8/15/13 15:45	VLA
Sulfide	ND	2.0	mg/L	1	L-03	SM18-20 4500S-E	8/15/13	8/15/13 11:10	LL
Total Organic Carbon	2.2	1.0	mg/L	1		SM 5310B	8/19/13	8/19/13 8:22	LL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-08_08-13-13 | Sampled: 8/13/2013 11:00

Sample ID: 13H0490-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/15/13	8/19/13 18:32	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	8/15/13	8/19/13 18:32	LBD
n-Butylbenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
cis-1,2-Dichloroethylene	1.4	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-08_08-13-13 | Sampled: 8/13/2013 11:00

Sample ID: 13H0490-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 18:32	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		8/19/13 18:32
Toluene-d8	100	70-130		8/19/13 18:32
4-Bromofluorobenzene	104	70-130		8/19/13 18:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-08_08-13-13 | Sampled: 8/13/2013 11:00

Sample ID: 13H0490-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	1.8	0.050	mg/L	1		SW-846 6010C	8/14/13	8/15/13 19:29	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-08_08-13-13 | Sampled: 8/13/2013 11:00

Sample ID: 13H0490-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alkalinity	430	1.0	mg/L	1		SM18-20 2320B	8/16/13	8/16/13 11:00	VAK
Chloride	180	5.0	mg/L	5		SM18-20 4500 CL B	8/21/13	8/21/13 13:10	VAK
Ferrous Iron	0.21	0.20	mg/L	1		SM18-20 3500 Fe D	8/19/13	8/19/13 14:45	VLA
Nitrate as N	ND	0.050	mg/L	1		SM 18-20 4500 NO3 F	8/19/13	8/19/13 9:58	VAK
Nitrite as N	ND	0.010	mg/L	1		SM 18-20 4500 NO2 B	8/14/13	8/14/13 14:25	VAK
Specific conductance	1300	2.0	µmhos/cm	1		SM18-20 2510B	8/16/13	8/16/13 12:15	CM
Sulfate	100	10	mg/L	5		ASTM D516-90, 02	8/15/13	8/15/13 15:45	VLA
Sulfide	ND	2.0	mg/L	1	L-03	SM18-20 4500S-E	8/15/13	8/15/13 11:10	LL
Total Organic Carbon	5.3	1.0	mg/L	1		SM 5310B	8/19/13	8/19/13 8:22	LL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-03_08-13-13 | Sampled: 8/13/2013 12:00

Sample ID: 13H0490-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/15/13	8/19/13 19:03	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	8/15/13	8/19/13 19:03	LBD
n-Butylbenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-03_08-13-13 | Sampled: 8/13/2013 12:00

Sample ID: 13H0490-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 19:03	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		8/19/13 19:03
Toluene-d8	97.9	70-130		8/19/13 19:03
4-Bromofluorobenzene	94.6	70-130		8/19/13 19:03

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-03_08-13-13 | Sampled: 8/13/2013 12:00

Sample ID: 13H0490-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	2.2	0.050	mg/L	1		SW-846 6010C	8/14/13	8/15/13 19:35	OP

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-03_08-13-13 | Sampled: 8/13/2013 12:00

Sample ID: 13H0490-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alkalinity	620	1.0	mg/L	1		SM18-20 2320B	8/16/13	8/16/13 11:00	VAK
Chloride	95	5.0	mg/L	5		SM18-20 4500 CL B	8/21/13	8/21/13 13:10	VAK
Ferrous Iron	1.9	0.40	mg/L	2		SM18-20 3500 Fe D	8/19/13	8/19/13 14:45	VLA
Nitrate as N	ND	0.050	mg/L	1		SM 18-20 4500 NO3 F	8/19/13	8/19/13 9:58	VAK
Nitrite as N	0.020	0.010	mg/L	1		SM 18-20 4500 NO2 B	8/14/13	8/14/13 14:25	VAK
Specific conductance	1400	2.0	µmhos/cm	1		SM18-20 2510B	8/16/13	8/16/13 12:15	CM
Sulfate	120	10	mg/L	5		ASTM D516-90, 02	8/15/13	8/15/13 15:45	VLA
Sulfide	ND	2.0	mg/L	1	L-03	SM18-20 4500S-E	8/15/13	8/15/13 11:10	LL
Total Organic Carbon	7.3	1.0	mg/L	1		SM 5310B	8/19/13	8/19/13 8:22	LL

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: TB-01_08-13-13 | Sampled: 8/13/2013 13:15

Sample ID: 13H0490-05

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/15/13	8/16/13 1:28	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	8/15/13	8/16/13 1:28	LBD
n-Butylbenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: TB-01_08-13-13 | Sampled: 8/13/2013 13:15

Sample ID: 13H0490-05

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:28	LBD

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	101	70-130		8/16/13	1:28
Toluene-d8	98.7	70-130		8/16/13	1:28
4-Bromofluorobenzene	93.1	70-130		8/16/13	1:28

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: FB-01_08-13-13 | Sampled: 8/13/2013 13:20

Sample ID: 13H0490-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/15/13	8/16/13 1:59	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	8/15/13	8/16/13 1:59	LBD
n-Butylbenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: FB-01_08-13-13 | Sampled: 8/13/2013 13:20

Sample ID: 13H0490-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/16/13 1:59	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	100	70-130		8/16/13 1:59
Toluene-d8	98.1	70-130		8/16/13 1:59
4-Bromofluorobenzene	95.1	70-130		8/16/13 1:59

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-07_08-13-13 | Sampled: 8/13/2013 14:10

Sample ID: 13H0490-07

Sample Matrix: Ground Water

Sample Flags: RL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Acrylonitrile	ND	10	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Benzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Bromodichloromethane	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Bromoform	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Bromomethane	ND	4.0	µg/L	2	R-05	SW-846 8260C	8/15/13	8/19/13 19:33	LBD
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2	V-16	SW-846 8260C	8/15/13	8/19/13 19:33	LBD
n-Butylbenzene	ND	10	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Carbon Disulfide	ND	8.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Chloroethane	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Chloroform	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Chloromethane	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
cis-1,2-Dichloroethylene	130	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
cis-1,3-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
trans-1,3-Dichloropropene	ND	10	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-07_08-13-13 | Sampled: 8/13/2013 14:10

Sample ID: 13H0490-07

Sample Matrix: Ground Water

Sample Flags: RL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,4-Dioxane	ND	100	µg/L	2	V-16	SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Hexachlorobutadiene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Methylene Chloride	ND	10	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Naphthalene	ND	10	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Styrene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,1,1,2-Tetrachloroethane	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Tetrachloroethylene	9.6	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Toluene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,2,3-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,2,4-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Trichloroethylene	6.4	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
Vinyl Chloride	44	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD
o-Xylene	ND	2.0	µg/L	2		SW-846 8260C	8/15/13	8/19/13 19:33	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	103	70-130		8/19/13 19:33
Toluene-d8	99.4	70-130		8/19/13 19:33
4-Bromofluorobenzene	94.9	70-130		8/19/13 19:33

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-07_08-13-13 | Sampled: 8/13/2013 14:10

Sample ID: 13H0490-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	0.087	0.050	mg/L	1		SW-846 6010C	8/14/13	8/15/13 19:40	OP

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-07_08-13-13 | Sampled: 8/13/2013 14:10

Sample ID: 13H0490-07

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alkalinity	560	1.0	mg/L	1		SM18-20 2320B	8/16/13	8/16/13 11:00	VAK
Chloride	190	5.0	mg/L	5		SM18-20 4500 CL B	8/21/13	8/21/13 13:10	VAK
Ferrous Iron	ND	0.20	mg/L	1		SM18-20 3500 Fe D	8/19/13	8/19/13 14:45	VLA
Nitrate as N	ND	0.050	mg/L	1		SM 18-20 4500 NO3 F	8/19/13	8/19/13 9:58	VAK
Nitrite as N	ND	0.010	mg/L	1		SM 18-20 4500 NO2 B	8/14/13	8/14/13 14:25	VAK
Specific conductance	1500	2.0	µmhos/cm	1		SM18-20 2510B	8/16/13	8/16/13 12:15	CM
Sulfate	31	2.0	mg/L	1		ASTM D516-90, 02	8/15/13	8/15/13 15:45	VLA
Sulfide	ND	2.0	mg/L	1	L-03	SM18-20 4500S-E	8/15/13	8/15/13 11:10	LL
Total Organic Carbon	4.7	1.0	mg/L	1		SM 5310B	8/19/13	8/19/13 8:22	LL

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-05_08-13-13 | Sampled: 8/13/2013 15:25

Sample ID: 13H0490-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Bromomethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	8/15/13	8/19/13 20:04	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	8/15/13	8/19/13 20:04	LBD
n-Butylbenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
cis-1,2-Dichloroethylene	4.9	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-05_08-13-13 | Sampled: 8/13/2013 15:25

Sample ID: 13H0490-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Tetrachloroethylene	27	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Trichloroethylene	8.9	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/15/13	8/19/13 20:04	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		8/19/13 20:04
Toluene-d8	98.9	70-130		8/19/13 20:04
4-Bromofluorobenzene	93.8	70-130		8/19/13 20:04

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-05_08-13-13 | Sampled: 8/13/2013 15:25

Sample ID: 13H0490-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Iron	ND	0.050	mg/L	1		SW-846 6010C	8/14/13	8/15/13 19:45	OP

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: MW-05_08-13-13 | Sampled: 8/13/2013 15:25

Sample ID: 13H0490-08

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alkalinity	340	1.0	mg/L	1		SM18-20 2320B	8/16/13	8/16/13 11:00	VAK
Chloride	39	1.0	mg/L	1		SM18-20 4500 CL B	8/21/13	8/21/13 13:10	VAK
Ferrous Iron	ND	0.20	mg/L	1		SM18-20 3500 Fe D	8/19/13	8/19/13 14:45	VLA
Nitrate as N	1.5	0.050	mg/L	1		SM 18-20 4500 NO3 F	8/19/13	8/19/13 9:58	VAK
Nitrite as N	ND	0.010	mg/L	1		SM 18-20 4500 NO2 B	8/14/13	8/14/13 14:25	VAK
Specific conductance	790	2.0	µmhos/cm	1		SM18-20 2510B	8/16/13	8/16/13 12:15	CM
Sulfate	77	4.0	mg/L	2		ASTM D516-90, 02	8/15/13	8/15/13 15:45	VLA
Sulfide	ND	2.0	mg/L	1	L-03	SM18-20 4500S-E	8/15/13	8/15/13 11:10	LL
Total Organic Carbon	3.0	1.0	mg/L	1		SM 5310B	8/19/13	8/19/13 8:22	LL

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Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: TB-02_08-13-13 | Sampled: 8/13/2013 15:45

Sample ID: 13H0490-09

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-16	SW-846 8260C	8/16/13	8/21/13 13:44	LBD
n-Butylbenzene	ND	5.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Buffalo, NY | Sample Description: | Work Order: 13H0490

Date Received: 8/14/2013

Field Sample #: TB-02_08-13-13 | Sampled: 8/13/2013 15:45

Sample ID: 13H0490-09

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/16/13	8/21/13 13:44	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		8/21/13 13:44
Toluene-d8	98.9	70-130		8/21/13 13:44
4-Bromofluorobenzene	95.7	70-130		8/21/13 13:44

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

ASTM D516-90, 02

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-01 [MW-01_08-13-13]	B078870	20.0	100	08/15/13
13H0490-02 [MW-02_08-13-13]	B078870	100	100	08/15/13
13H0490-03 [MW-08_08-13-13]	B078870	20.0	100	08/15/13
13H0490-04 [MW-03_08-13-13]	B078870	20.0	100	08/15/13
13H0490-07 [MW-07_08-13-13]	B078870	100	100	08/15/13
13H0490-08 [MW-05_08-13-13]	B078870	50.0	100	08/15/13

SM 18-20 4500 NO2 B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-01 [MW-01_08-13-13]	B078797	10.0	50.0	08/14/13
13H0490-02 [MW-02_08-13-13]	B078797	50.0	50.0	08/14/13
13H0490-03 [MW-08_08-13-13]	B078797	50.0	50.0	08/14/13
13H0490-04 [MW-03_08-13-13]	B078797	50.0	50.0	08/14/13
13H0490-07 [MW-07_08-13-13]	B078797	50.0	50.0	08/14/13
13H0490-08 [MW-05_08-13-13]	B078797	50.0	50.0	08/14/13

Prep Method: SM 4500 NO3-F-SM 18-20 4500 NO3 F

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-01 [MW-01_08-13-13]	B079065	25.0	25.0	08/19/13
13H0490-02 [MW-02_08-13-13]	B079065	25.0	25.0	08/19/13
13H0490-03 [MW-08_08-13-13]	B079065	25.0	25.0	08/19/13
13H0490-04 [MW-03_08-13-13]	B079065	25.0	25.0	08/19/13
13H0490-07 [MW-07_08-13-13]	B079065	25.0	25.0	08/19/13
13H0490-08 [MW-05_08-13-13]	B079065	25.0	25.0	08/19/13

SM 5310B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-01 [MW-01_08-13-13]	B079021	50.0	50.0	08/19/13
13H0490-02 [MW-02_08-13-13]	B079021	50.0	50.0	08/19/13
13H0490-03 [MW-08_08-13-13]	B079021	50.0	50.0	08/19/13
13H0490-04 [MW-03_08-13-13]	B079021	50.0	50.0	08/19/13
13H0490-07 [MW-07_08-13-13]	B079021	50.0	50.0	08/19/13
13H0490-08 [MW-05_08-13-13]	B079021	50.0	50.0	08/19/13

SM18-20 2320B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-01 [MW-01_08-13-13]	B078962	100	100	08/16/13
13H0490-02 [MW-02_08-13-13]	B078962	100	100	08/16/13
13H0490-03 [MW-08_08-13-13]	B078962	100	100	08/16/13
13H0490-04 [MW-03_08-13-13]	B078962	100	100	08/16/13
13H0490-07 [MW-07_08-13-13]	B078962	100	100	08/16/13
13H0490-08 [MW-05_08-13-13]	B078962	100	100	08/16/13

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

SM18-20 2510B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-01 [MW-01_08-13-13]	B078961	100	100	08/16/13
13H0490-02 [MW-02_08-13-13]	B078961	100	100	08/16/13
13H0490-03 [MW-08_08-13-13]	B078961	100	100	08/16/13
13H0490-04 [MW-03_08-13-13]	B078961	100	100	08/16/13
13H0490-07 [MW-07_08-13-13]	B078961	100	100	08/16/13
13H0490-08 [MW-05_08-13-13]	B078961	100	100	08/16/13

SM18-20 3500 Fe D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-01 [MW-01_08-13-13]	B079077	50.0	50.0	08/19/13
13H0490-02 [MW-02_08-13-13]	B079077	50.0	50.0	08/19/13
13H0490-03 [MW-08_08-13-13]	B079077	50.0	50.0	08/19/13
13H0490-04 [MW-03_08-13-13]	B079077	50.0	50.0	08/19/13
13H0490-07 [MW-07_08-13-13]	B079077	50.0	50.0	08/19/13
13H0490-08 [MW-05_08-13-13]	B079077	50.0	50.0	08/19/13

SM18-20 4500 CL B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-01 [MW-01_08-13-13]	B079056	100	100	08/21/13
13H0490-02 [MW-02_08-13-13]	B079056	100	100	08/21/13
13H0490-03 [MW-08_08-13-13]	B079056	100	100	08/21/13
13H0490-04 [MW-03_08-13-13]	B079056	100	100	08/21/13
13H0490-07 [MW-07_08-13-13]	B079056	100	100	08/21/13
13H0490-08 [MW-05_08-13-13]	B079056	100	100	08/21/13

SM18-20 4500S-E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-01 [MW-01_08-13-13]	B078828	100	100	08/15/13
13H0490-02 [MW-02_08-13-13]	B078828	100	100	08/15/13
13H0490-03 [MW-08_08-13-13]	B078828	100	100	08/15/13
13H0490-04 [MW-03_08-13-13]	B078828	100	100	08/15/13
13H0490-07 [MW-07_08-13-13]	B078828	100	100	08/15/13
13H0490-08 [MW-05_08-13-13]	B078828	100	100	08/15/13

Prep Method: SW-846 3005A-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-01 [MW-01_08-13-13]	B078766	50.0	50.0	08/14/13
13H0490-02 [MW-02_08-13-13]	B078766	50.0	50.0	08/14/13
13H0490-03 [MW-08_08-13-13]	B078766	50.0	50.0	08/14/13
13H0490-04 [MW-03_08-13-13]	B078766	50.0	50.0	08/14/13
13H0490-07 [MW-07_08-13-13]	B078766	50.0	50.0	08/14/13
13H0490-08 [MW-05_08-13-13]	B078766	50.0	50.0	08/14/13

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-01 [MW-01_08-13-13]	B078839	5	5.00	08/15/13
13H0490-02 [MW-02_08-13-13]	B078839	5	5.00	08/15/13
13H0490-03 [MW-08_08-13-13]	B078839	5	5.00	08/15/13
13H0490-04 [MW-03_08-13-13]	B078839	5	5.00	08/15/13
13H0490-07 [MW-07_08-13-13]	B078839	2.5	5.00	08/15/13
13H0490-08 [MW-05_08-13-13]	B078839	5	5.00	08/15/13

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-05 [TB-01_08-13-13]	B078920	5	5.00	08/15/13
13H0490-06 [FB-01_08-13-13]	B078920	5	5.00	08/15/13

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0490-09 [TB-02_08-13-13]	B079026	5	5.00	08/16/13

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B078839 - SW-846 5030B										
Blank (B078839-BLK1)				Prepared: 08/15/13 Analyzed: 08/19/13						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							R-05
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-16
n-Butylbenzene	ND	5.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	2.0	µg/L							
trans-1,3-Dichloropropene	ND	5.0	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B078839 - SW-846 5030B												
Blank (B078839-BLK1)				Prepared: 08/15/13 Analyzed: 08/19/13								
Methylene Chloride	ND	5.0	µg/L									
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L									
Naphthalene	ND	5.0	µg/L									
n-Propylbenzene	ND	1.0	µg/L									
Styrene	ND	1.0	µg/L									
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L									
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L									
Tetrachloroethylene	ND	1.0	µg/L									
Tetrahydrofuran	ND	10	µg/L									
Toluene	ND	1.0	µg/L									
1,2,3-Trichlorobenzene	ND	5.0	µg/L									
1,2,4-Trichlorobenzene	ND	5.0	µg/L									
1,3,5-Trichlorobenzene	ND	1.0	µg/L									
1,1,1-Trichloroethane	ND	1.0	µg/L									
1,1,2-Trichloroethane	ND	1.0	µg/L									
Trichloroethylene	ND	1.0	µg/L									
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L									
1,2,3-Trichloropropane	ND	2.0	µg/L									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L									
1,2,4-Trimethylbenzene	ND	1.0	µg/L									
1,3,5-Trimethylbenzene	ND	1.0	µg/L									
Vinyl Chloride	ND	2.0	µg/L									
m+p Xylene	ND	2.0	µg/L									
o-Xylene	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*25.8*		µg/L	25.0		103		70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3		70-130				
Surrogate: 4-Bromofluorobenzene	*23.8*		µg/L	25.0		95.2		70-130				
LCS (B078839-BS1)				Prepared: 08/15/13 Analyzed: 08/19/13								
Acetone	102	50	µg/L	100		102		70-160				†
Acrylonitrile	8.96	5.0	µg/L	10.0		89.6		70-130				
tert-Amyl Methyl Ether (TAME)	11.4	0.50	µg/L	10.0		114		70-130				
Benzene	9.81	1.0	µg/L	10.0		98.1		70-130				
Bromobenzene	10.2	1.0	µg/L	10.0		102		70-130				
Bromochloromethane	10.6	1.0	µg/L	10.0		106		70-130				
Bromodichloromethane	10.7	1.0	µg/L	10.0		107		70-130				
Bromoform	10.3	1.0	µg/L	10.0		103		70-130				
Bromomethane	3.31	2.0	µg/L	10.0		**33.1**	*	40-160			L-07A, R-05, V-20	†
2-Butanone (MEK)	101	20	µg/L	100		101		40-160				†
tert-Butyl Alcohol (TBA)	90.9	20	µg/L	100		90.9		40-160			V-16	†
n-Butylbenzene	9.46	5.0	µg/L	10.0		94.6		70-130				
sec-Butylbenzene	11.1	1.0	µg/L	10.0		111		70-130				
tert-Butylbenzene	10.7	1.0	µg/L	10.0		107		70-130				
tert-Butyl Ethyl Ether (TBEE)	11.7	0.50	µg/L	10.0		117		70-130				
Carbon Disulfide	9.76	4.0	µg/L	10.0		97.6		70-130			V-20	
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103		70-130				
Chlorobenzene	10.1	1.0	µg/L	10.0		101		70-130				
Chlorodibromomethane	9.80	0.50	µg/L	10.0		98.0		70-130				
Chloroethane	10.8	2.0	µg/L	10.0		108		70-130				
Chloroform	10.9	2.0	µg/L	10.0		109		70-130				
Chloromethane	7.33	2.0	µg/L	10.0		73.3		40-160				†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B078839 - SW-846 5030B											
LCS (B078839-BS1)				Prepared: 08/15/13 Analyzed: 08/19/13							
4-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.6	5.0	µg/L	10.0		106	70-130				
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130				
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130				
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
trans-1,4-Dichloro-2-butene	10.0	2.0	µg/L	10.0		100	70-130				
Dichlorodifluoromethane (Freon 12)	7.62	2.0	µg/L	10.0		76.2	40-160				†
1,1-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130				
1,2-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130				
1,1-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130				
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130				
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130				
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130				
2,2-Dichloropropane	12.5	1.0	µg/L	10.0		125	40-130			V-20	†
1,1-Dichloropropene	10.7	2.0	µg/L	10.0		107	70-130				
cis-1,3-Dichloropropene	9.92	2.0	µg/L	10.0		99.2	70-130				
trans-1,3-Dichloropropene	10.4	5.0	µg/L	10.0		104	70-130				
Diethyl Ether	10.3	2.0	µg/L	10.0		103	70-130				
Diisopropyl Ether (DIPE)	11.7	0.50	µg/L	10.0		117	70-130				
1,4-Dioxane	83.6	50	µg/L	100		83.6	40-130			V-16	†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
Hexachlorobutadiene	10.8	1.0	µg/L	10.0		108	70-130				
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160				†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130				
p-Isopropyltoluene (p-Cymene)	11.4	1.0	µg/L	10.0		114	70-130				
Methyl tert-Butyl Ether (MTBE)	11.5	1.0	µg/L	10.0		115	70-130				
Methylene Chloride	11.4	5.0	µg/L	10.0		114	70-130				
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160				†
Naphthalene	11.2	5.0	µg/L	10.0		112	40-130				†
n-Propylbenzene	10.9	1.0	µg/L	10.0		109	70-130				
Styrene	10.9	1.0	µg/L	10.0		109	70-130				
1,1,1,2-Tetrachloroethane	10.3	2.0	µg/L	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104	70-130				
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130				
Tetrahydrofuran	10.7	10	µg/L	10.0		107	70-130				
Toluene	10.2	1.0	µg/L	10.0		102	70-130				
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.0		106	70-130				
1,2,4-Trichlorobenzene	10.4	5.0	µg/L	10.0		104	70-130				
1,3,5-Trichlorobenzene	9.12	1.0	µg/L	10.0		91.2	70-130				
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130				
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130				
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	11.4	2.0	µg/L	10.0		114	70-130				
1,2,3-Trichloropropane	10.4	2.0	µg/L	10.0		104	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2	1.0	µg/L	10.0		122	70-130				
1,2,4-Trimethylbenzene	11.0	1.0	µg/L	10.0		110	70-130				
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130				
Vinyl Chloride	8.58	2.0	µg/L	10.0		85.8	40-160				†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes	
Batch B078839 - SW-846 5030B												
LCS (B078839-BS1)				Prepared: 08/15/13 Analyzed: 08/19/13								
m+p Xylene	21.3	2.0	µg/L	20.0		106	70-130					
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130					
Surrogate: 1,2-Dichloroethane-d4	*25.5*		µg/L	25.0		102	70-130					
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100	70-130					
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.4	70-130					
LCS Dup (B078839-BSD1)				Prepared: 08/15/13 Analyzed: 08/19/13								
Acetone	103	50	µg/L	100		103	70-160	1.26		25		†
Acrylonitrile	9.04	5.0	µg/L	10.0		90.4	70-130	0.889		25		
tert-Amyl Methyl Ether (TAME)	11.6	0.50	µg/L	10.0		116	70-130	1.48		25		
Benzene	9.86	1.0	µg/L	10.0		98.6	70-130	0.508		25		
Bromobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.43		25		
Bromochloromethane	11.1	1.0	µg/L	10.0		111	70-130	3.96		25		
Bromodichloromethane	10.8	1.0	µg/L	10.0		108	70-130	0.650		25		
Bromoform	10.4	1.0	µg/L	10.0		104	70-130	1.35		25		
Bromomethane	5.67	2.0	µg/L	10.0		56.7	40-160	**52.6**	*	25	R-05, V-20	†
2-Butanone (MEK)	99.2	20	µg/L	100		99.2	40-160	1.51		25		†
tert-Butyl Alcohol (TBA)	91.5	20	µg/L	100		91.5	40-160	0.713		25	V-16	†
n-Butylbenzene	9.57	5.0	µg/L	10.0		95.7	70-130	1.16		25		
sec-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130	0.540		25		
tert-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130	2.04		25		
tert-Butyl Ethyl Ether (TBEE)	11.7	0.50	µg/L	10.0		117	70-130	0.684		25		
Carbon Disulfide	9.50	4.0	µg/L	10.0		95.0	70-130	2.70		25	V-20	
Carbon Tetrachloride	10.2	5.0	µg/L	10.0		102	70-130	0.195		25		
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.18		25		
Chlorodibromomethane	9.78	0.50	µg/L	10.0		97.8	70-130	0.204		25		
Chloroethane	10.9	2.0	µg/L	10.0		109	70-130	0.735		25		
Chloroform	10.9	2.0	µg/L	10.0		109	70-130	0.00		25		
Chloromethane	7.45	2.0	µg/L	10.0		74.5	40-160	1.62		25		†
2-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130	5.34		25		
4-Chlorotoluene	11.1	1.0	µg/L	10.0		111	70-130	2.92		25		
1,2-Dibromo-3-chloropropane (DBCP)	11.1	5.0	µg/L	10.0		111	70-130	4.05		25		
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	0.649		25		
Dibromomethane	11.0	1.0	µg/L	10.0		110	70-130	0.365		25		
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.665		25		
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.92		25		
1,4-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.28		25		
trans-1,4-Dichloro-2-butene	10.5	2.0	µg/L	10.0		105	70-130	5.26		25		
Dichlorodifluoromethane (Freon 12)	7.42	2.0	µg/L	10.0		74.2	40-160	2.66		25		†
1,1-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130	0.731		25		
1,2-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130	1.18		25		
1,1-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	1.26		25		
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	1.11		25		
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.56		25		
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	1.47		25		
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130	0.0911		25		
2,2-Dichloropropane	12.4	1.0	µg/L	10.0		124	40-130	1.12		25	V-20	†
1,1-Dichloropropene	10.7	2.0	µg/L	10.0		107	70-130	0.0937		25		
cis-1,3-Dichloropropene	9.87	2.0	µg/L	10.0		98.7	70-130	0.505		25		
trans-1,3-Dichloropropene	10.1	5.0	µg/L	10.0		101	70-130	2.64		25		
Diethyl Ether	10.5	2.0	µg/L	10.0		105	70-130	1.63		25		
Diisopropyl Ether (DIPE)	11.9	0.50	µg/L	10.0		119	70-130	1.27		25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B078839 - SW-846 5030B											
LCS Dup (B078839-BSD1)				Prepared: 08/15/13 Analyzed: 08/19/13							
1,4-Dioxane	84.0	50	µg/L	100		84.0	40-130	0.501	50	V-16	† ‡
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	1.24	25		
Hexachlorobutadiene	11.3	1.0	µg/L	10.0		113	70-130	4.08	25		
2-Hexanone (MBK)	106	10	µg/L	100		106	70-160	1.00	25		†
Isopropylbenzene (Cumene)	11.0	1.0	µg/L	10.0		110	70-130	3.25	25		
p-Isopropyltoluene (p-Cymene)	11.4	1.0	µg/L	10.0		114	70-130	0.526	25		
Methyl tert-Butyl Ether (MTBE)	11.7	1.0	µg/L	10.0		117	70-130	1.56	25		
Methylene Chloride	11.7	5.0	µg/L	10.0		117	70-130	2.86	25		
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106	70-160	1.45	25		†
Naphthalene	11.4	5.0	µg/L	10.0		114	40-130	1.15	25		†
n-Propylbenzene	11.2	1.0	µg/L	10.0		112	70-130	3.35	25		
Styrene	11.1	1.0	µg/L	10.0		111	70-130	2.37	25		
1,1,1,2-Tetrachloroethane	10.4	2.0	µg/L	10.0		104	70-130	1.54	25		
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130	3.40	25		
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110	70-130	1.01	25		
Tetrahydrofuran	10.5	10	µg/L	10.0		105	70-130	1.88	25		
Toluene	10.2	1.0	µg/L	10.0		102	70-130	0.00	25		
1,2,3-Trichlorobenzene	10.8	5.0	µg/L	10.0		108	70-130	2.43	25		
1,2,4-Trichlorobenzene	10.8	5.0	µg/L	10.0		108	70-130	3.77	25		
1,3,5-Trichlorobenzene	9.38	1.0	µg/L	10.0		93.8	70-130	2.81	25		
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	1.01	25		
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	1.03	25		
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	2.51	25		
Trichlorofluoromethane (Freon 11)	11.1	2.0	µg/L	10.0		111	70-130	2.39	25		
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.0		107	70-130	3.70	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2	1.0	µg/L	10.0		122	70-130	0.328	25		
1,2,4-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130	1.81	25		
1,3,5-Trimethylbenzene	11.0	1.0	µg/L	10.0		110	70-130	2.21	25		
Vinyl Chloride	8.18	2.0	µg/L	10.0		81.8	40-160	4.77	25		†
m+p Xylene	21.4	2.0	µg/L	20.0		107	70-130	0.702	25		
o-Xylene	10.9	1.0	µg/L	10.0		109	70-130	2.14	25		
Surrogate: 1,2-Dichloroethane-d4	*25.4*		µg/L	25.0		102	70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.8	70-130				
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100	70-130				
Batch B078920 - SW-846 5030B											
Blank (B078920-BLK1)				Prepared: 08/15/13 Analyzed: 08/16/13							
Acetone	ND	50	µg/L								
Acrylonitrile	ND	5.0	µg/L								
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L								
Benzene	ND	1.0	µg/L								
Bromobenzene	ND	1.0	µg/L								
Bromochloromethane	ND	1.0	µg/L								
Bromodichloromethane	ND	1.0	µg/L								
Bromoform	ND	1.0	µg/L								
Bromomethane	ND	2.0	µg/L							R-05	
2-Butanone (MEK)	ND	20	µg/L								
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-16	
n-Butylbenzene	ND	5.0	µg/L								
sec-Butylbenzene	ND	1.0	µg/L								
tert-Butylbenzene	ND	1.0	µg/L								

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B078920 - SW-846 5030B										
Blank (B078920-BLK1)				Prepared: 08/15/13 Analyzed: 08/16/13						
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	2.0	µg/L							
trans-1,3-Dichloropropene	ND	5.0	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-05, V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B078920 - SW-846 5030B											
Blank (B078920-BLK1)				Prepared: 08/15/13 Analyzed: 08/16/13							
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*25.2*		µg/L	25.0		101	70-130				
Surrogate: Toluene-d8	*24.7*		µg/L	25.0		99.0	70-130				
Surrogate: 4-Bromofluorobenzene	*23.4*		µg/L	25.0		93.7	70-130				
LCS (B078920-BS1)				Prepared & Analyzed: 08/15/13							
Acetone	102	50	µg/L	100		102	70-160				†
Acrylonitrile	8.87	5.0	µg/L	10.0		88.7	70-130				
tert-Amyl Methyl Ether (TAME)	10.7	0.50	µg/L	10.0		107	70-130				
Benzene	9.96	1.0	µg/L	10.0		99.6	70-130				
Bromobenzene	10.4	1.0	µg/L	10.0		104	70-130				
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130				
Bromodichloromethane	10.1	1.0	µg/L	10.0		101	70-130				
Bromoform	9.70	1.0	µg/L	10.0		97.0	70-130				
Bromomethane	4.19	2.0	µg/L	10.0		41.9	40-160			R-05, V-20	†
2-Butanone (MEK)	98.8	20	µg/L	100		98.8	40-160				†
tert-Butyl Alcohol (TBA)	91.0	20	µg/L	100		91.0	40-160			V-16	†
n-Butylbenzene	9.13	5.0	µg/L	10.0		91.3	70-130				
sec-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130				
tert-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
tert-Butyl Ethyl Ether (TBEE)	11.0	0.50	µg/L	10.0		110	70-130				
Carbon Disulfide	10.8	4.0	µg/L	10.0		108	70-130			V-20	
Carbon Tetrachloride	9.23	5.0	µg/L	10.0		92.3	70-130				
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
Chlorodibromomethane	9.11	0.50	µg/L	10.0		91.1	70-130				
Chloroethane	11.5	2.0	µg/L	10.0		115	70-130				
Chloroform	10.7	2.0	µg/L	10.0		107	70-130				
Chloromethane	8.15	2.0	µg/L	10.0		81.5	40-160				†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130				
4-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.5	5.0	µg/L	10.0		105	70-130				
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130				
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130				
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
trans-1,4-Dichloro-2-butene	8.91	2.0	µg/L	10.0		89.1	70-130				
Dichlorodifluoromethane (Freon 12)	7.88	2.0	µg/L	10.0		78.8	40-160				†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130				
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
1,1-Dichloroethylene	11.3	1.0	µg/L	10.0		113	70-130				
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130				
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B078920 - SW-846 5030B											
LCS (B078920-BS1)				Prepared & Analyzed: 08/15/13							
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130				
1,3-Dichloropropane	10.8	0.50	µg/L	10.0		108	70-130				
2,2-Dichloropropane	8.87	1.0	µg/L	10.0		88.7	40-130				†
1,1-Dichloropropene	10.7	2.0	µg/L	10.0		107	70-130				
cis-1,3-Dichloropropene	8.89	2.0	µg/L	10.0		88.9	70-130				
trans-1,3-Dichloropropene	8.79	5.0	µg/L	10.0		87.9	70-130				
Diethyl Ether	10.3	2.0	µg/L	10.0		103	70-130				
Diisopropyl Ether (DIPE)	11.5	0.50	µg/L	10.0		115	70-130				
1,4-Dioxane	93.7	50	µg/L	100		93.7	40-130			V-05, V-16	†
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
Hexachlorobutadiene	10.5	1.0	µg/L	10.0		105	70-130				
2-Hexanone (MBK)	102	10	µg/L	100		102	70-160				†
Isopropylbenzene (Cumene)	10.7	1.0	µg/L	10.0		107	70-130				
p-Isopropyltoluene (p-Cymene)	11.0	1.0	µg/L	10.0		110	70-130				
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130				
Methylene Chloride	11.8	5.0	µg/L	10.0		118	70-130				
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160				†
Naphthalene	11.5	5.0	µg/L	10.0		115	40-130				†
n-Propylbenzene	10.7	1.0	µg/L	10.0		107	70-130				
Styrene	11.0	1.0	µg/L	10.0		110	70-130				
1,1,1,2-Tetrachloroethane	9.88	2.0	µg/L	10.0		98.8	70-130				
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130				
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130				
Tetrahydrofuran	10.5	10	µg/L	10.0		105	70-130				
Toluene	10.1	1.0	µg/L	10.0		101	70-130				
1,2,3-Trichlorobenzene	11.0	5.0	µg/L	10.0		110	70-130				
1,2,4-Trichlorobenzene	10.7	5.0	µg/L	10.0		107	70-130				
1,3,5-Trichlorobenzene	9.24	1.0	µg/L	10.0		92.4	70-130				
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130				
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130				
Trichlorofluoromethane (Freon 11)	10.9	2.0	µg/L	10.0		109	70-130				
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.0		107	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6	1.0	µg/L	10.0		116	70-130				
1,2,4-Trimethylbenzene	10.9	1.0	µg/L	10.0		109	70-130				
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130				
Vinyl Chloride	9.04	2.0	µg/L	10.0		90.4	40-160				†
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130				
o-Xylene	10.7	1.0	µg/L	10.0		107	70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.9*		µg/L	25.0		99.6	70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes	
Batch B078920 - SW-846 5030B												
LCS Dup (B078920-BSD1)				Prepared & Analyzed: 08/15/13								
Acetone	93.0	50	µg/L	100		93.0	70-160	9.60		25		†
Acrylonitrile	8.84	5.0	µg/L	10.0		88.4	70-130	0.339		25		
tert-Amyl Methyl Ether (TAME)	10.4	0.50	µg/L	10.0		104	70-130	2.36		25		
Benzene	9.98	1.0	µg/L	10.0		99.8	70-130	0.201		25		
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130	2.92		25		
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130	1.20		25		
Bromodichloromethane	10.0	1.0	µg/L	10.0		100	70-130	0.598		25		
Bromoform	9.42	1.0	µg/L	10.0		94.2	70-130	2.93		25		
Bromomethane	6.48	2.0	µg/L	10.0		64.8	40-160	**42.9**	*	25	R-05, V-20	†
2-Butanone (MEK)	89.3	20	µg/L	100		89.3	40-160	10.2		25		†
tert-Butyl Alcohol (TBA)	81.8	20	µg/L	100		81.8	40-160	10.7		25	V-16	†
n-Butylbenzene	8.98	5.0	µg/L	10.0		89.8	70-130	1.66		25		
sec-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130	1.93		25		
tert-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130	2.55		25		
tert-Butyl Ethyl Ether (TBEE)	11.0	0.50	µg/L	10.0		110	70-130	0.272		25		
Carbon Disulfide	11.0	4.0	µg/L	10.0		110	70-130	2.01		25	V-20	
Carbon Tetrachloride	9.68	5.0	µg/L	10.0		96.8	70-130	4.76		25		
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.66		25		
Chlorodibromomethane	9.13	0.50	µg/L	10.0		91.3	70-130	0.219		25		
Chloroethane	12.0	2.0	µg/L	10.0		120	70-130	4.35		25		
Chloroform	10.6	2.0	µg/L	10.0		106	70-130	1.22		25		
Chloromethane	8.61	2.0	µg/L	10.0		86.1	40-160	5.49		25		†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	0.0973		25		
4-Chlorotoluene	10.7	1.0	µg/L	10.0		107	70-130	0.934		25		
1,2-Dibromo-3-chloropropane (DBCP)	9.76	5.0	µg/L	10.0		97.6	70-130	7.50		25		
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130	3.11		25		
Dibromomethane	10.7	1.0	µg/L	10.0		107	70-130	0.469		25		
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.388		25		
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.00		25		
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	1.83		25		
trans-1,4-Dichloro-2-butene	8.19	2.0	µg/L	10.0		81.9	70-130	8.42		25		
Dichlorodifluoromethane (Freon 12)	8.09	2.0	µg/L	10.0		80.9	40-160	2.63		25		†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.0932		25		
1,2-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.841		25		
1,1-Dichloroethylene	11.7	1.0	µg/L	10.0		117	70-130	3.38		25		
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.192		25		
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	4.05		25		
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	1.68		25		
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130	2.91		25		
2,2-Dichloropropane	9.19	1.0	µg/L	10.0		91.9	40-130	3.54		25		†
1,1-Dichloropropene	10.9	2.0	µg/L	10.0		109	70-130	2.41		25		
cis-1,3-Dichloropropene	9.00	2.0	µg/L	10.0		90.0	70-130	1.23		25		
trans-1,3-Dichloropropene	8.88	5.0	µg/L	10.0		88.8	70-130	1.02		25		
Diethyl Ether	10.4	2.0	µg/L	10.0		104	70-130	1.16		25		
Diisopropyl Ether (DIPE)	11.7	0.50	µg/L	10.0		117	70-130	1.81		25		
1,4-Dioxane	80.2	50	µg/L	100		80.2	40-130	15.5		50	V-05, V-16	† ‡
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	0.859		25		
Hexachlorobutadiene	10.2	1.0	µg/L	10.0		102	70-130	2.60		25		
2-Hexanone (MBK)	91.4	10	µg/L	100		91.4	70-160	11.2		25		†
Isopropylbenzene (Cumene)	10.7	1.0	µg/L	10.0		107	70-130	0.00		25		
p-Isopropyltoluene (p-Cymene)	11.1	1.0	µg/L	10.0		111	70-130	1.36		25		
Methyl tert-Butyl Ether (MTBE)	10.9	1.0	µg/L	10.0		109	70-130	1.76		25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B078920 - SW-846 5030B										
LCS Dup (B078920-BSD1)				Prepared & Analyzed: 08/15/13						
Methylene Chloride	12.0	5.0	µg/L	10.0		120	70-130	2.18	25	
4-Methyl-2-pentanone (MIBK)	95.3	10	µg/L	100		95.3	70-160	6.42	25	†
Naphthalene	11.1	5.0	µg/L	10.0		111	40-130	3.36	25	†
n-Propylbenzene	10.9	1.0	µg/L	10.0		109	70-130	1.48	25	
Styrene	11.0	1.0	µg/L	10.0		110	70-130	0.454	25	
1,1,1,2-Tetrachloroethane	9.81	2.0	µg/L	10.0		98.1	70-130	0.711	25	
1,1,2,2-Tetrachloroethane	9.78	0.50	µg/L	10.0		97.8	70-130	7.67	25	
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110	70-130	1.18	25	
Tetrahydrofuran	9.45	10	µg/L	10.0		94.5	70-130	10.6	25	
Toluene	10.2	1.0	µg/L	10.0		102	70-130	1.08	25	
1,2,3-Trichlorobenzene	10.5	5.0	µg/L	10.0		105	70-130	5.11	25	
1,2,4-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	4.58	25	
1,3,5-Trichlorobenzene	8.79	1.0	µg/L	10.0		87.9	70-130	4.99	25	
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	0.780	25	
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	0.290	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.293	25	
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	70-130	5.53	25	
1,2,3-Trichloropropane	10.0	2.0	µg/L	10.0		100	70-130	6.37	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1	1.0	µg/L	10.0		121	70-130	4.39	25	
1,2,4-Trimethylbenzene	11.0	1.0	µg/L	10.0		110	70-130	0.457	25	
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	0.187	25	
Vinyl Chloride	9.48	2.0	µg/L	10.0		94.8	40-160	4.75	25	†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130	0.851	25	
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130	1.13	25	
Surrogate: 1,2-Dichloroethane-d4	*24.7*		µg/L	25.0		98.8	70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.8	70-130			
Batch B079026 - SW-846 5030B										
Blank (B079026-BLK1)				Prepared: 08/19/13 Analyzed: 08/21/13						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-16
n-Butylbenzene	ND	5.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079026 - SW-846 5030B										
Blank (B079026-BLK1)				Prepared: 08/19/13 Analyzed: 08/21/13						
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	2.0	µg/L							
trans-1,3-Dichloropropene	ND	5.0	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-05, V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							V-05
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B079026 - SW-846 5030B											
Blank (B079026-BLK1)				Prepared: 08/19/13 Analyzed: 08/21/13							
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*27.0*		µg/L	25.0		108	70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.5	70-130				
Surrogate: 4-Bromofluorobenzene	*23.3*		µg/L	25.0		93.3	70-130				
LCS (B079026-BS1)				Prepared: 08/19/13 Analyzed: 08/21/13							
Acetone	78.5	50	µg/L	100		78.5	70-160				†
Acrylonitrile	9.50	5.0	µg/L	10.0		95.0	70-130				
tert-Amyl Methyl Ether (TAME)	9.75	0.50	µg/L	10.0		97.5	70-130				
Benzene	9.69	1.0	µg/L	10.0		96.9	70-130				
Bromobenzene	9.81	1.0	µg/L	10.0		98.1	70-130				
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130				
Bromodichloromethane	10.7	1.0	µg/L	10.0		107	70-130				
Bromoform	9.40	1.0	µg/L	10.0		94.0	70-130				
Bromomethane	5.77	2.0	µg/L	10.0		57.7	40-160			V-20	†
2-Butanone (MEK)	81.7	20	µg/L	100		81.7	40-160				†
tert-Butyl Alcohol (TBA)	76.7	20	µg/L	100		76.7	40-160			V-16	†
n-Butylbenzene	8.60	5.0	µg/L	10.0		86.0	70-130				
sec-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130				
tert-Butylbenzene	10.6	1.0	µg/L	10.0		106	70-130				
tert-Butyl Ethyl Ether (TBEE)	10.3	0.50	µg/L	10.0		103	70-130				
Carbon Disulfide	10.2	4.0	µg/L	10.0		102	70-130			V-20	
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103	70-130				
Chlorobenzene	9.70	1.0	µg/L	10.0		97.0	70-130				
Chlorodibromomethane	9.47	0.50	µg/L	10.0		94.7	70-130				
Chloroethane	11.3	2.0	µg/L	10.0		113	70-130				
Chloroform	11.0	2.0	µg/L	10.0		110	70-130				
Chloromethane	7.89	2.0	µg/L	10.0		78.9	40-160				†
2-Chlorotoluene	9.93	1.0	µg/L	10.0		99.3	70-130				
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.79	5.0	µg/L	10.0		87.9	70-130				
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130				
Dibromomethane	11.0	1.0	µg/L	10.0		110	70-130				
1,2-Dichlorobenzene	9.71	1.0	µg/L	10.0		97.1	70-130				
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
1,4-Dichlorobenzene	9.87	1.0	µg/L	10.0		98.7	70-130				
trans-1,4-Dichloro-2-butene	8.45	2.0	µg/L	10.0		84.5	70-130				
Dichlorodifluoromethane (Freon 12)	7.57	2.0	µg/L	10.0		75.7	40-160				†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
1,2-Dichloroethane	11.3	1.0	µg/L	10.0		113	70-130				
1,1-Dichloroethylene	11.3	1.0	µg/L	10.0		113	70-130				
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130				
trans-1,2-Dichloroethylene	12.1	1.0	µg/L	10.0		121	70-130			V-20	
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130				
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130				
2,2-Dichloropropane	11.6	1.0	µg/L	10.0		116	40-130			V-20	†
1,1-Dichloropropene	11.0	2.0	µg/L	10.0		110	70-130				
cis-1,3-Dichloropropene	9.07	2.0	µg/L	10.0		90.7	70-130				
trans-1,3-Dichloropropene	9.03	5.0	µg/L	10.0		90.3	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B079026 - SW-846 5030B											
LCS (B079026-BS1)				Prepared: 08/19/13 Analyzed: 08/21/13							
Diethyl Ether	9.50	2.0	µg/L	10.0		95.0	70-130				
Diisopropyl Ether (DIPE)	11.2	0.50	µg/L	10.0		112	70-130				
1,4-Dioxane	75.3	50	µg/L	100		75.3	40-130			V-05, V-16	†
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
Hexachlorobutadiene	9.46	1.0	µg/L	10.0		94.6	70-130				
2-Hexanone (MBK)	84.0	10	µg/L	100		84.0	70-160				†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130				
p-Isopropyltoluene (p-Cymene)	11.0	1.0	µg/L	10.0		110	70-130				
Methyl tert-Butyl Ether (MTBE)	11.0	1.0	µg/L	10.0		110	70-130				
Methylene Chloride	11.5	5.0	µg/L	10.0		115	70-130			V-20	
4-Methyl-2-pentanone (MIBK)	88.4	10	µg/L	100		88.4	70-160				†
Naphthalene	10.4	5.0	µg/L	10.0		104	40-130				†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130				
Styrene	10.2	1.0	µg/L	10.0		102	70-130				
1,1,1,2-Tetrachloroethane	9.82	2.0	µg/L	10.0		98.2	70-130				
1,1,2,2-Tetrachloroethane	8.74	0.50	µg/L	10.0		87.4	70-130				
Tetrachloroethylene	11.1	1.0	µg/L	10.0		111	70-130				
Tetrahydrofuran	8.21	10	µg/L	10.0		82.1	70-130				
Toluene	10.1	1.0	µg/L	10.0		101	70-130				
1,2,3-Trichlorobenzene	9.59	5.0	µg/L	10.0		95.9	70-130				
1,2,4-Trichlorobenzene	9.22	5.0	µg/L	10.0		92.2	70-130				
1,3,5-Trichlorobenzene	7.29	1.0	µg/L	10.0		72.9	70-130			V-05	
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
1,1,2-Trichloroethane	9.98	1.0	µg/L	10.0		99.8	70-130				
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130				
Trichlorofluoromethane (Freon 11)	11.6	2.0	µg/L	10.0		116	70-130				
1,2,3-Trichloropropane	9.13	2.0	µg/L	10.0		91.3	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	1.0	µg/L	10.0		112	70-130				
1,2,4-Trimethylbenzene	11.1	1.0	µg/L	10.0		111	70-130				
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
Vinyl Chloride	8.53	2.0	µg/L	10.0		85.3	40-160				†
m+p Xylene	20.7	2.0	µg/L	20.0		103	70-130				
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130				
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/L	25.0		106	70-130				
Surrogate: Toluene-d8	*25.5*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.4	70-130				
LCS Dup (B079026-BSD1)				Prepared: 08/19/13 Analyzed: 08/21/13							
Acetone	82.4	50	µg/L	100		82.4	70-160	4.77	25		†
Acrylonitrile	9.93	5.0	µg/L	10.0		99.3	70-130	4.43	25		
tert-Amyl Methyl Ether (TAME)	9.67	0.50	µg/L	10.0		96.7	70-130	0.824	25		
Benzene	9.48	1.0	µg/L	10.0		94.8	70-130	2.19	25		
Bromobenzene	9.50	1.0	µg/L	10.0		95.0	70-130	3.21	25		
Bromochloromethane	10.3	1.0	µg/L	10.0		103	70-130	3.26	25		
Bromodichloromethane	10.2	1.0	µg/L	10.0		102	70-130	4.89	25		
Bromoform	9.19	1.0	µg/L	10.0		91.9	70-130	2.26	25		
Bromomethane	6.64	2.0	µg/L	10.0		66.4	40-160	14.0	25	V-20	†
2-Butanone (MEK)	85.4	20	µg/L	100		85.4	40-160	4.42	25		†
tert-Butyl Alcohol (TBA)	77.9	20	µg/L	100		77.9	40-160	1.60	25	V-16	†
n-Butylbenzene	8.46	5.0	µg/L	10.0		84.6	70-130	1.64	25		
sec-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	4.80	25		
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130	3.66	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B079026 - SW-846 5030B											
LCS Dup (B079026-BSD1)				Prepared: 08/19/13 Analyzed: 08/21/13							
tert-Butyl Ethyl Ether (TBEE)	10.2	0.50	µg/L	10.0		102	70-130	0.293	25		
Carbon Disulfide	9.54	4.0	µg/L	10.0		95.4	70-130	7.08	25	V-20	
Carbon Tetrachloride	9.91	5.0	µg/L	10.0		99.1	70-130	3.67	25		
Chlorobenzene	9.44	1.0	µg/L	10.0		94.4	70-130	2.72	25		
Chlorodibromomethane	9.21	0.50	µg/L	10.0		92.1	70-130	2.78	25		
Chloroethane	10.2	2.0	µg/L	10.0		102	70-130	10.3	25		
Chloroform	10.4	2.0	µg/L	10.0		104	70-130	5.14	25		
Chloromethane	7.67	2.0	µg/L	10.0		76.7	40-160	2.83	25		†
2-Chlorotoluene	9.62	1.0	µg/L	10.0		96.2	70-130	3.17	25		
4-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130	3.12	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.99	5.0	µg/L	10.0		89.9	70-130	2.25	25		
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130	2.85	25		
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130	4.08	25		
1,2-Dichlorobenzene	9.71	1.0	µg/L	10.0		97.1	70-130	0.00	25		
1,3-Dichlorobenzene	9.98	1.0	µg/L	10.0		99.8	70-130	0.400	25		
1,4-Dichlorobenzene	9.87	1.0	µg/L	10.0		98.7	70-130	0.00	25		
trans-1,4-Dichloro-2-butene	8.44	2.0	µg/L	10.0		84.4	70-130	0.118	25		
Dichlorodifluoromethane (Freon 12)	7.03	2.0	µg/L	10.0		70.3	40-160	7.40	25		†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	3.21	25		
1,2-Dichloroethane	11.3	1.0	µg/L	10.0		113	70-130	0.443	25		
1,1-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	4.97	25		
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	4.12	25		
trans-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130	3.71	25	V-20	
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130	3.44	25		
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130	0.586	25		
2,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	40-130	7.57	25	V-20	†
1,1-Dichloropropene	10.4	2.0	µg/L	10.0		104	70-130	5.71	25		
cis-1,3-Dichloropropene	8.81	2.0	µg/L	10.0		88.1	70-130	2.91	25		
trans-1,3-Dichloropropene	8.88	5.0	µg/L	10.0		88.8	70-130	1.68	25		
Diethyl Ether	9.30	2.0	µg/L	10.0		93.0	70-130	2.13	25		
Diisopropyl Ether (DIPE)	10.9	0.50	µg/L	10.0		109	70-130	2.99	25		
1,4-Dioxane	64.4	50	µg/L	100		64.4	40-130	15.6	50	V-05, V-16	† ‡
Ethylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130	4.35	25		
Hexachlorobutadiene	9.49	1.0	µg/L	10.0		94.9	70-130	0.317	25		
2-Hexanone (MBK)	87.4	10	µg/L	100		87.4	70-160	3.98	25		†
Isopropylbenzene (Cumene)	9.81	1.0	µg/L	10.0		98.1	70-130	4.29	25		
p-Isopropyltoluene (p-Cymene)	10.7	1.0	µg/L	10.0		107	70-130	2.67	25		
Methyl tert-Butyl Ether (MTBE)	11.1	1.0	µg/L	10.0		111	70-130	0.633	25		
Methylene Chloride	10.8	5.0	µg/L	10.0		108	70-130	5.64	25	V-20	
4-Methyl-2-pentanone (MIBK)	91.4	10	µg/L	100		91.4	70-160	3.32	25		†
Naphthalene	10.5	5.0	µg/L	10.0		105	40-130	0.953	25		†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.67	25		
Styrene	10.1	1.0	µg/L	10.0		101	70-130	1.38	25		
1,1,1,2-Tetrachloroethane	9.44	2.0	µg/L	10.0		94.4	70-130	3.95	25		
1,1,2,2-Tetrachloroethane	8.94	0.50	µg/L	10.0		89.4	70-130	2.26	25		
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130	5.25	25		
Tetrahydrofuran	8.96	10	µg/L	10.0		89.6	70-130	8.74	25		
Toluene	9.71	1.0	µg/L	10.0		97.1	70-130	4.14	25		
1,2,3-Trichlorobenzene	9.78	5.0	µg/L	10.0		97.8	70-130	1.96	25		
1,2,4-Trichlorobenzene	9.43	5.0	µg/L	10.0		94.3	70-130	2.25	25		
1,3,5-Trichlorobenzene	7.62	1.0	µg/L	10.0		76.2	70-130	4.43	25	V-05	
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	5.43	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079026 - SW-846 5030B										
LCS Dup (B079026-BSD1)				Prepared: 08/19/13 Analyzed: 08/21/13						
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.997	25	
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.93	25	
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0		104	70-130	11.3	25	
1,2,3-Trichloropropane	9.39	2.0	µg/L	10.0		93.9	70-130	2.81	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106	70-130	5.79	25	
1,2,4-Trimethylbenzene	10.9	1.0	µg/L	10.0		109	70-130	2.00	25	
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	3.60	25	
Vinyl Chloride	8.17	2.0	µg/L	10.0		81.7	40-160	4.31	25	†
m+p Xylene	19.9	2.0	µg/L	20.0		99.4	70-130	4.00	25	
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130	1.87	25	
Surrogate: 1,2-Dichloroethane-d4	*26.7*		µg/L	25.0		107	70-130			
Surrogate: Toluene-d8	*25.5*		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.5	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B078766 - SW-846 3005A										
Blank (B078766-BLK1)				Prepared: 08/14/13 Analyzed: 08/15/13						
Iron	ND	0.050	mg/L							
LCS (B078766-BS1)				Prepared: 08/14/13 Analyzed: 08/15/13						
Iron	1.98	0.050	mg/L	2.00		99.0	80-120			
LCS Dup (B078766-BSD1)				Prepared: 08/14/13 Analyzed: 08/15/13						
Iron	2.01	0.050	mg/L	2.00		100	80-120	1.42	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B078797 - SM 18-20 4500 NO2 B											
Blank (B078797-BLK1)				Prepared & Analyzed: 08/14/13							
Nitrite as N	ND	0.010	mg/L								
LCS (B078797-BS1)				Prepared & Analyzed: 08/14/13							
Nitrite as N	0.10	0.010	mg/L	0.100		99.7		93.5-108			
LCS Dup (B078797-BSD1)				Prepared & Analyzed: 08/14/13							
Nitrite as N	0.10	0.010	mg/L	0.100		103		93.5-108	3.58	5.38	
Duplicate (B078797-DUP1)	**Source: 13H0490-08**			Prepared & Analyzed: 08/14/13							
Nitrite as N	ND	0.010	mg/L		ND				NC	17.1	
Matrix Spike (B078797-MS1)	**Source: 13H0490-08**			Prepared & Analyzed: 08/14/13							
Nitrite as N	0.096	0.010	mg/L	0.100	ND	95.7		78-110			
Batch B078828 - SM18-20 4500S-E											
Blank (B078828-BLK1)				Prepared & Analyzed: 08/15/13							
Sulfide	ND	2.0	mg/L								L-03
LCS (B078828-BS1)				Prepared & Analyzed: 08/15/13							
Sulfide	6.0	2.0	mg/L	14.9		**40.3**	*	85-115			L-03
Batch B078870 - ASTM D516-90, 02											
Blank (B078870-BLK1)				Prepared & Analyzed: 08/15/13							
Sulfate	ND	2.0	mg/L								
LCS (B078870-BS1)				Prepared & Analyzed: 08/15/13							
Sulfate	19	2.0	mg/L	20.0		93.8		80.5-116			
LCS Dup (B078870-BSD1)				Prepared & Analyzed: 08/15/13							
Sulfate	19	2.0	mg/L	20.0		96.6		80.5-116	2.89	11	
Batch B078961 - SM18-20 2510B											
Blank (B078961-BLK1)				Prepared & Analyzed: 08/16/13							
Specific conductance	ND	2.0	µmhos/cm								
LCS (B078961-BS1)				Prepared & Analyzed: 08/16/13							
Specific conductance	140	2.0	µmhos/cm	147		98.1		86.7-102			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B078962 - SM18-20 2320B										
Blank (B078962-BLK1)				Prepared & Analyzed: 08/16/13						
Alkalinity	ND	1.0	mg/L							
LCS (B078962-BS1)				Prepared & Analyzed: 08/16/13						
Alkalinity	53		mg/L	52.3		101	85.9-108			
LCS Dup (B078962-BSD1)				Prepared & Analyzed: 08/16/13						
Alkalinity	52		mg/L	52.3		99.4	85.9-108	2.00	3.52	
Batch B079021 - SM 5310B										
Blank (B079021-BLK1)				Prepared & Analyzed: 08/19/13						
Total Organic Carbon	ND	1.0	mg/L							
LCS (B079021-BS1)				Prepared & Analyzed: 08/19/13						
Total Organic Carbon	9.23	1.0	mg/L	10.0		92.3	90.2-110			
LCS Dup (B079021-BSD1)				Prepared & Analyzed: 08/19/13						
Total Organic Carbon	9.21	1.0	mg/L	10.0		92.1	90.2-110	0.293	7.59	
Duplicate (B079021-DUP1)	**Source: 13H0490-07**			Prepared & Analyzed: 08/19/13						
Total Organic Carbon	4.94	1.0	mg/L		4.65			5.88	20.8	
Matrix Spike (B079021-MS2)	**Source: 13H0490-07**			Prepared & Analyzed: 08/19/13						
Total Organic Carbon	10.3	1.0	mg/L	5.00	4.65	113	42.3-156			
Batch B079056 - SM18-20 4500 CL B										
Blank (B079056-BLK1)				Prepared & Analyzed: 08/21/13						
Chloride	ND	1.0	mg/L							
LCS (B079056-BS1)				Prepared & Analyzed: 08/21/13						
Chloride	12		mg/L	13.0		94.4	84.4-115			
LCS Dup (B079056-BSD1)				Prepared & Analyzed: 08/21/13						
Chloride	12		mg/L	13.0		94.4	84.4-115	0.00	8.29	
Batch B079065 - SM 4500 NO3-F										
Blank (B079065-BLK1)				Prepared & Analyzed: 08/19/13						
Nitrate as N	ND	0.050	mg/L							

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079065 - SM 4500 NO3-F										
LCS (B079065-BS1)				Prepared & Analyzed: 08/19/13						
Nitrate as N	4.7		mg/L	4.78		98.7	92.8-107			
LCS Dup (B079065-BSD1)				Prepared & Analyzed: 08/19/13						
Nitrate as N	4.7		mg/L	4.78		97.9	92.8-107	0.851	3.97	
Batch B079077 - SM18-20 3500 Fe D										
Blank (B079077-BLK1)				Prepared & Analyzed: 08/19/13						
Ferrous Iron	ND	0.20	mg/L							
LCS (B079077-BS1)				Prepared & Analyzed: 08/19/13						
Ferrous Iron	0.81	0.20	mg/L	0.796		102	85.4-109			
LCS Dup (B079077-BSD1)				Prepared & Analyzed: 08/19/13						
Ferrous Iron	0.79	0.20	mg/L	0.796		99.1	85.4-109	2.59	3.71	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-01	Elevated reporting limit due to high concentration of target compounds. Requested reporting limit not met.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
ASTM D516-90, 02 in Water	
Sulfate	NY,NH,MA,CT,RI,VA
SM 18-20 4500 NO2 B in Water	
Nitrite as N	CT,NH,NY,ME,NC,VA
SM 18-20 4500 NO3 F in Water	
Nitrate as N	CT,MA,NH,NY,RI,ME,NC,VA
SM 5310B in Water	
Total Organic Carbon	CT,MA,NH,NY,RI,NC,ME,VA
SM18-20 2320B in Water	
Alkalinity	CT,MA,NH,NY,RI,NC,ME,VA
SM18-20 2510B in Water	
Specific conductance	CT,MA,NH,NY,RI,NC,ME,VA
SM18-20 4500 CL B in Water	
Chloride	NH,CT,MA,NY,RI,NC,ME,VA
SM18-20 4500S-E in Water	
Sulfide	CT,NH,NY,RI,NC,ME,VA
SW-846 6010C in Water	
Iron	CT,NH,NY,ME,NC,VA
SW-846 8260C in Water	
Acetone	CT,NY,ME,NH,VA
Acrylonitrile	CT,NY,ME,NH,VA
tert-Amyl Methyl Ether (TAME)	NY,ME,NH,VA
Benzene	CT,NY,ME,NH,VA
Bromochloromethane	NY,ME,NH,VA
Bromodichloromethane	CT,NY,ME,NH,VA
Bromoform	CT,NY,ME,NH,VA
Bromomethane	CT,NY,ME,NH,VA
2-Butanone (MEK)	CT,NY,ME,NH,VA
tert-Butyl Alcohol (TBA)	NY,ME,NH,VA
n-Butylbenzene	NY,ME,VA
sec-Butylbenzene	NY,ME,VA
tert-Butylbenzene	NY,ME,VA
tert-Butyl Ethyl Ether (TBEE)	NY,ME,NH,VA
Carbon Disulfide	CT,NY,ME,NH,VA
Carbon Tetrachloride	CT,NY,ME,NH,VA
Chlorobenzene	CT,NY,ME,NH,VA
Chlorodibromomethane	CT,NY,ME,NH,VA
Chloroethane	CT,NY,ME,NH,VA
Chloroform	CT,NY,ME,NH,VA
Chloromethane	CT,NY,ME,NH,VA
2-Chlorotoluene	NY,ME,NH,VA
4-Chlorotoluene	NY,ME,NH,VA
Dibromomethane	NY,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,4-Dichlorobenzene	CT,NY,ME,NH,VA
trans-1,4-Dichloro-2-butene	NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH,VA
1,1-Dichloroethane	CT,NY,ME,NH,VA
1,2-Dichloroethane	CT,NY,ME,NH,VA
1,1-Dichloroethylene	CT,NY,ME,NH,VA
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NY,ME,NH,VA
1,2-Dichloropropane	CT,NY,ME,NH,VA
1,3-Dichloropropane	NY,ME,VA
2,2-Dichloropropane	NY,ME,NH,VA
1,1-Dichloropropene	NY,ME,NH,VA
cis-1,3-Dichloropropene	CT,NY,ME,NH,VA
trans-1,3-Dichloropropene	CT,NY,ME,NH,VA
Diisopropyl Ether (DIPE)	NY,ME,NH,VA
Ethylbenzene	CT,NY,ME,NH,VA
Hexachlorobutadiene	CT,NY,ME,NH,VA
2-Hexanone (MBK)	CT,NY,ME,NH,VA
Isopropylbenzene (Cumene)	NY,ME,VA
p-Isopropyltoluene (p-Cymene)	CT,NY,ME,NH,VA
Methyl tert-Butyl Ether (MTBE)	CT,NY,ME,NH,VA
Methylene Chloride	CT,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	CT,NY,ME,NH,VA
Naphthalene	NY,ME,NH,VA
n-Propylbenzene	CT,NY,ME,NH,VA
Styrene	CT,NY,ME,NH,VA
1,1,1,2-Tetrachloroethane	CT,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	CT,NY,ME,NH,VA
Tetrachloroethylene	CT,NY,ME,NH,VA
Toluene	CT,NY,ME,NH,VA
1,2,3-Trichlorobenzene	NY,ME,NH,VA
1,2,4-Trichlorobenzene	CT,NY,ME,NH,VA
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NY,ME,NH,VA
1,1,2-Trichloroethane	CT,NY,ME,NH,VA
Trichloroethylene	CT,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	CT,NY,ME,NH,VA
1,2,3-Trichloropropane	NY,ME,NH,VA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY,VA
1,2,4-Trimethylbenzene	NY,ME,VA
1,3,5-Trimethylbenzene	NY,ME,VA
Vinyl Chloride	CT,NY,ME,NH,VA
m+p Xylene	CT,NY,ME,NH,VA
o-Xylene	CT,NY,ME,NH,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

13H0490

CHAIN OF CUSTODY RECORD

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www.contestlabs.com
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East longmeadow, MA 01028

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Rev 04.05.12

Company Name: CDM SMITH
Address: 11 BRITISH AMERICAN BLVD
Attention: HEATHER HALLET
Project Location: BUFFALO, NY
Sampled By: M. PASSARO + K. PEEPMEYER

Telephone: (518) 782-4500
Project #: 0897-94461
Client PO#: 0897-94461

DATA DELIVERY (check all that apply)
○ FAX ● EMAIL ○ WEBSITE
Fax #:
Email: HALLETHL@CDMSMITH.COM
Format: ● PDF ● EXCEL ○ GIS
● OTHER V3 EDD + NYSDEC CAT B.
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection ~~Ending~~ Date/Time	Composite	Grab	*Matrix Code	Cont. Code	# of Containers	** Preservation	***Container Code	VOC - 8260	Nitrate	Nitrite	Ferrous Iron	Alkalinity	Sulfide	TOC	Total Iron	Specific Conductivity	Sulfate	Chloride
								3	H	G	ANALYSIS REQUESTED										
								1	S	P											
								1	I	P											
								1	H	A											
								1	I	P											
								1	O	P											
								1	H	A											
								1	N	P											
								1	I	P											
								1	I	P											
								1	I	P											
01	MW-01_08-13-13	08/13/13	0825	N	Y	GW	L				X	X	X	X	X	X	X	X	X	X	X
02	MW-02_08-13-13	08/13/13	0945	N	Y	GW	L				X	X	X	X	X	X	X	X	X	X	X
03	MW-08_08-13-13	08/13/13	1100	N	Y	GW	L				X	X	X	X	X	X	X	X	X	X	X
04	MW-03_08-13-13	08/13/13	1200	N	Y	GW	L				X	X	X	X	X	X	X	X	X	X	X
05	TB-01_08-13-13	08/13/13	1815	N	N	O	C				X										
06	FB-01_08-13-13	08/13/13	1320	N	N	O	C				X										
07	MW-07_08-13-13	08/13/13	1410	N	Y	GW	H				X	X	X	X	X	X	X	X	X	X	X
08	MW-05_08-13-13	08/13/13	1525	N	Y	GW	H				X	X	X	X	X	X	X	X	X	X	X
09	TB-02_08-13-13	08/13/13	1545	N	N	O	C				X	~~X~~	No								

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other NaOH + ZINC ACETATE

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Water Quality

Comments: SPECIFIC CONDUCTIVITY, SULFATE, AND CHLORIDE ARE IN SAME 1L - UNPRESERVED BOTTLE. NEED NYSDEC V3 EDD AND CATEGORY B DELIVERABLES. ONLY VOC-8260 ANALYSES FOR TB-02_08-13-13. 2 COOLERS IN SHIPMENT

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Meredith L Passaro	08/13/13 1660
Received by: (signature) 2°	Date/Time:
Paula B 9.27	8.14.13
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☒ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID #

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Page 63 of 65 13H0490_1 Contest_Final 08 28 13 0543

FedEx.

800049717442

Ship (P/U) date:
Tues 8/13/2013 4:33 pm
WAL US

Delivered
Signed for by: B BLAKE

Actual delivery:
Wed 8/14/2013 9:27 am
MA US

Travel History

Date/Time	Activity	Location
- 8/14/2013 - Wednesday		
9:27 am	Delivered	MA
8:15 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
6:52 am	At local FedEx facility	WINDSOR LOCKS, CT
- 8/13/2013 - Tuesday		
11:00 pm	Arrived at FedEx location	NEWARK, NJ
9:35 pm	Left FedEx origin facility	NEWBURGH, NY
4:33 pm	Picked up	NEWBURGH, NY

Local Scan Time

Shipment Facts

Tracking number	800049717442	**Service**	FedEx Priority Overnight
Weight	41 lbs	**Dimensions**	20x13x15 in.
Signature services	Direct signature required	**Delivered To**	Shipping/Receiving
Total pieces	1	**Total shipment weight**	41 lbs / 18.6 kgs
Shipper reference	74394		
Special handling section	Deliver Weekday, Direct Signature Required	**Packaging**	Your Packaging

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VOA

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VOLATILES SAMPLE DATA

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1 - FORM I
ANALYSIS DATA SHEET

MW-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-01	File ID:	VB231018.D
Sampled:	08/13/13 08:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 17:30
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	R-05
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	V-16
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-01	File ID:	VB231018.D
Sampled:	08/13/13 08:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 17:30
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	V-16
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-01	File ID:	VB231018.D
Sampled:	08/13/13 08:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 17:30
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-01	File ID:	VB231018.D
Sampled:	08/13/13 08:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 17:30
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231018.D Vial: 18
Acq On : 19 Aug 2013 5:30 pm Operator:
Sample : 13H0490-01 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 22 12:39:29 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

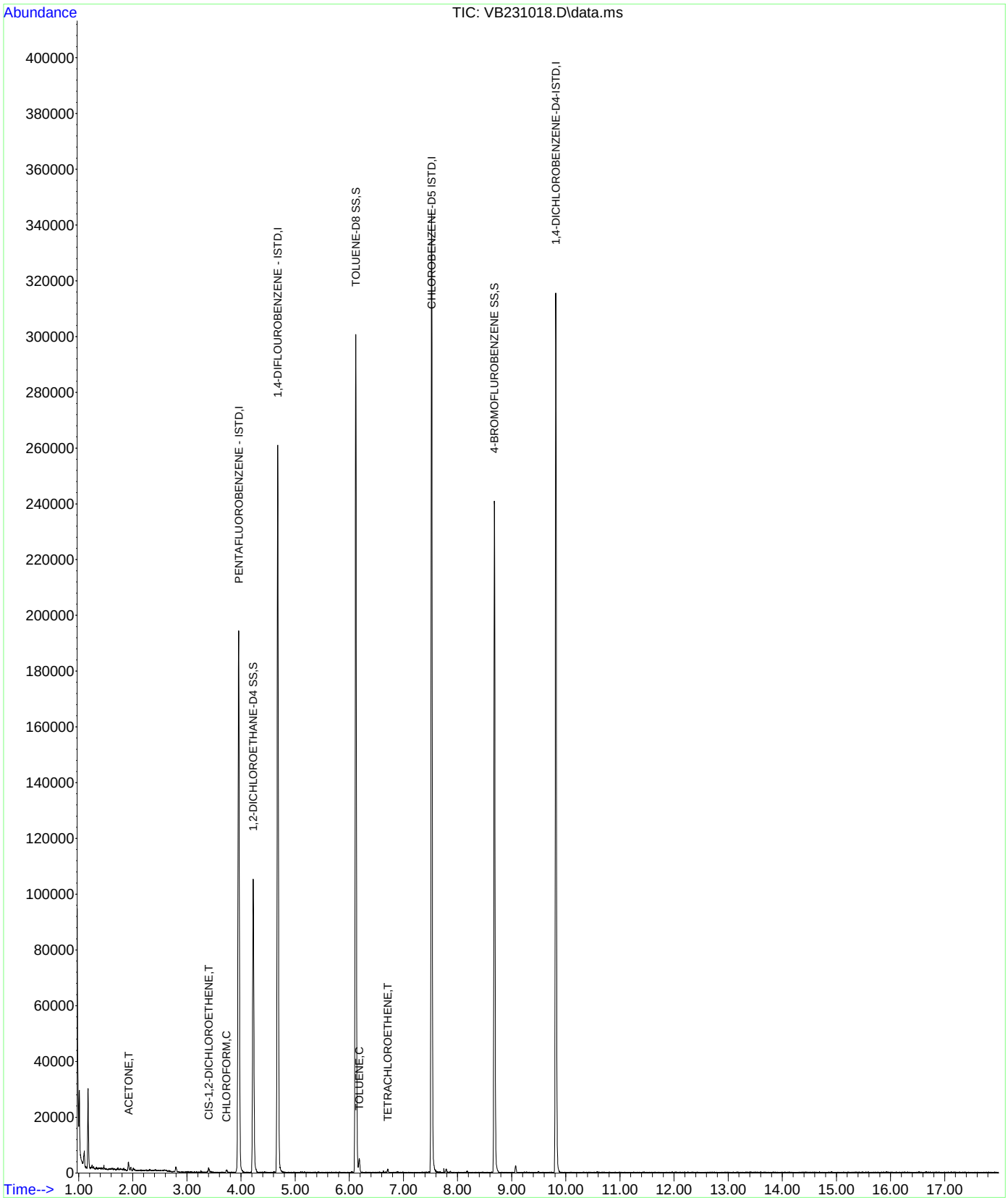
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	117605	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	172059	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	94381	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	71510	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	69871	26.58	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.32%				
43) TOLUENE-D8 SS	6.121	98	171936	24.35	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.40%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	69032	23.40	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.60%				
Target Compounds							Qvalue
14) ACETONE	1.924	43	2836	5.202	UG/L	#	85
30) CIS-1,2-DICHLOROETHENE	3.402	61	919	0.336	UG/L	#	25
35) CHLOROFORM	3.731	83	755	0.242	UG/L	#	18
54) TOLUENE	6.185	91	3155	0.439	UG/L		94
59) TETRACHLOROETHENE	6.712	164	267m	0.207	UG/L		

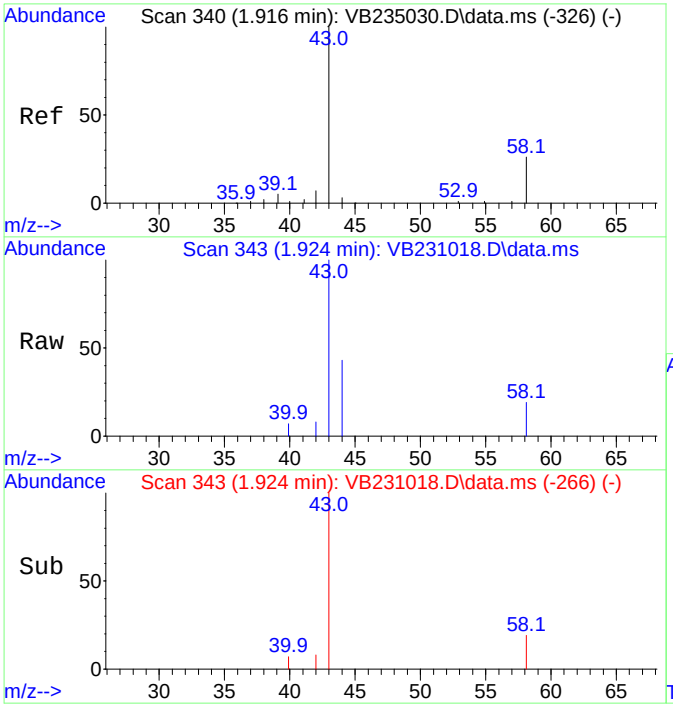
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : W:\DATA\081913\VB231018.D
Acq On : 19 Aug 2013 5:30 pm
Sample : 13H0490-01
InstName : GCMSVOA2
Misc :
Quant Time: Aug 22 12:39:29 2013

Vial: 18
Operator:
Inst : GCMSVOA2
Multiplr: 1.00

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

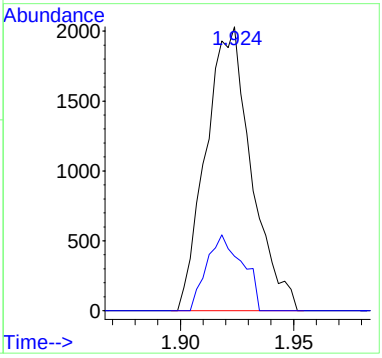


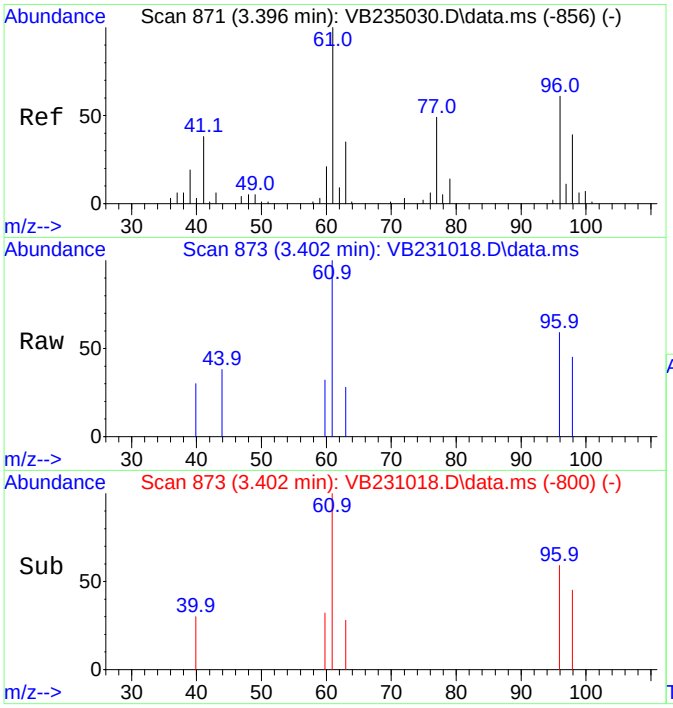


#14
ACETONE
Concen: 5.20 UG/L
RT: 1.924 min Scan# 343
Delta R.T. 0.003 min
Lab File: VB231018.D
Acq: 19 Aug 2013 5:30 pm

Tgt Ion: 43 Resp: 2836

Ion	Ratio	Lower	Upper
43	100		
58	21.1	23.2	34.8#

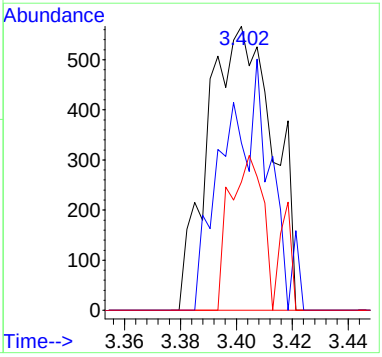


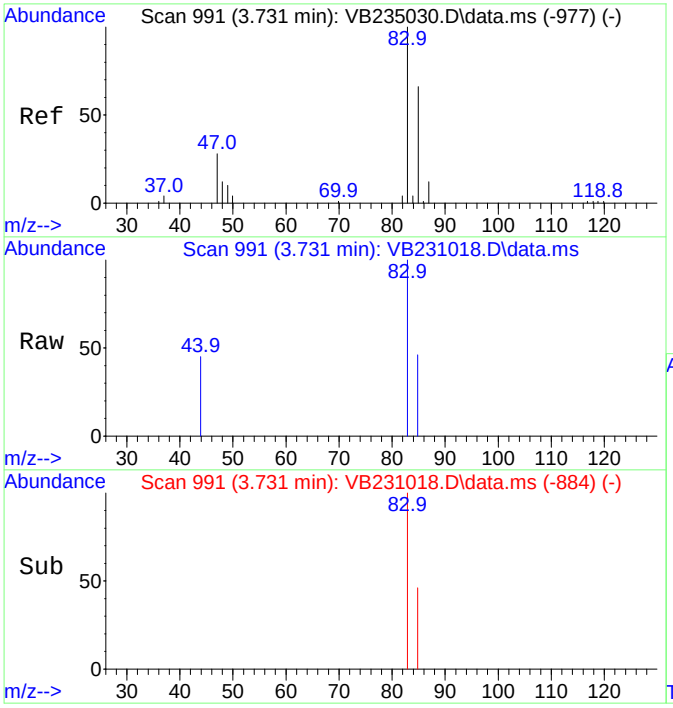


#30
CIS-1,2-DICHLOROETHENE
Concen: 0.34 UG/L
RT: 3.402 min Scan# 873
Delta R.T. 0.003 min
Lab File: VB231018.D
Acq: 19 Aug 2013 5:30 pm

Tgt Ion: 61 Resp: 919

Ion	Ratio	Lower	Upper
61	100		
96	0.0	50.5	75.7#
98	0.0	32.5	48.7#

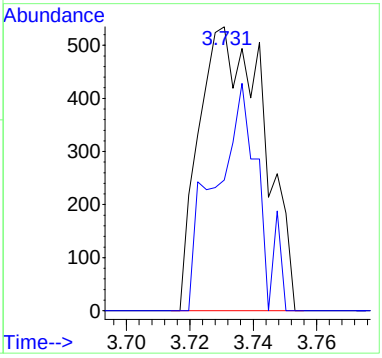


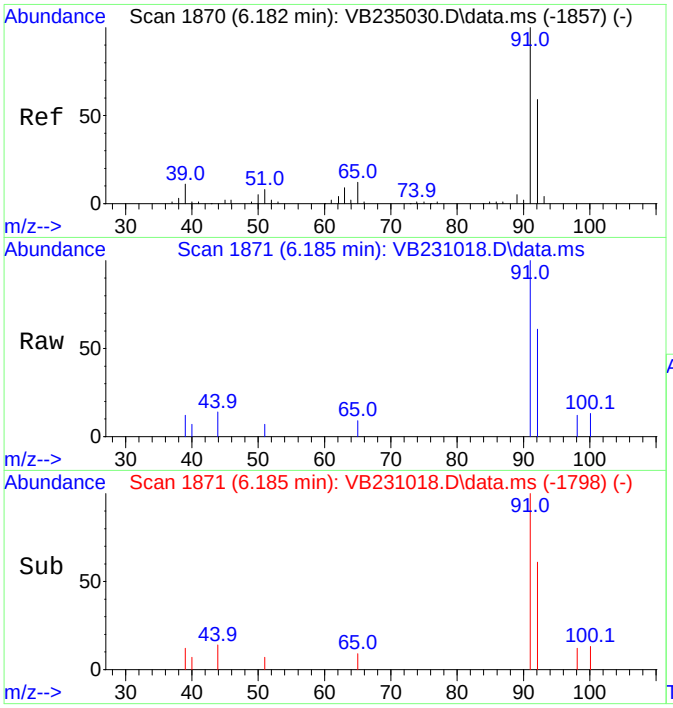


#35
CHLOROFORM
Concen: 0.24 UG/L
RT: 3.731 min Scan# 991
Delta R.T. -0.003 min
Lab File: VB231018.D
Acq: 19 Aug 2013 5:30 pm

Tgt Ion: 83 Resp: 755

Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.1	78.1#

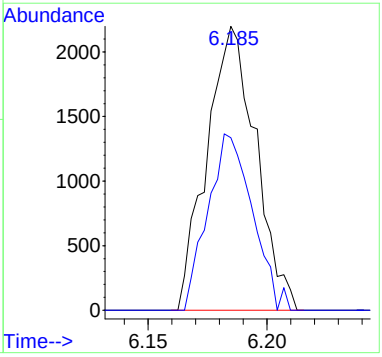


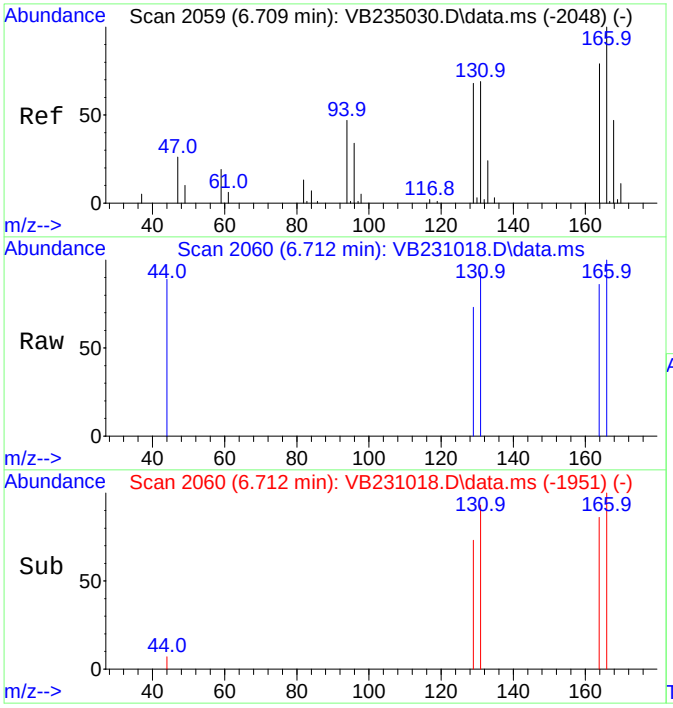


#54
TOLUENE
Concen: 0.44 UG/L
RT: 6.185 min Scan# 1871
Delta R.T. 0.003 min
Lab File: VB231018.D
Acq: 19 Aug 2013 5:30 pm

Tgt Ion: 91 Resp: 3155

Ion	Ratio	Lower	Upper
91	100		
92	56.3	48.7	73.1

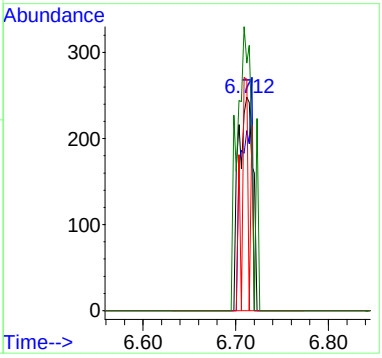




#59
TETRACHLOROETHENE
Concen: 0.21 UG/L m
RT: 6.712 min Scan# 2060
Delta R.T. 0.003 min
Lab File: VB231018.D
Acq: 19 Aug 2013 5:30 pm

Tgt Ion:164 Resp: 267

Ion	Ratio	Lower	Upper
164	100		
129	0.0	71.8	107.8#
131	0.0	70.7	106.1#
166	0.0	100.6	151.0#



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1 - FORM I
ANALYSIS DATA SHEET

MW-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-02	File ID:	VB231019.D
Sampled:	08/13/13 09:45	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:01
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	R-05
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	V-16
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-02	File ID:	VB231019.D
Sampled:	08/13/13 09:45	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:01
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	V-16
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-02	File ID:	VB231019.D
Sampled:	08/13/13 09:45	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:01
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-02	File ID:	VB231019.D
Sampled:	08/13/13 09:45	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:01
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231019.D Vial: 19
Acq On : 19 Aug 2013 6:01 pm Operator:
Sample : 13H0490-02 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 22 12:41:47 2013

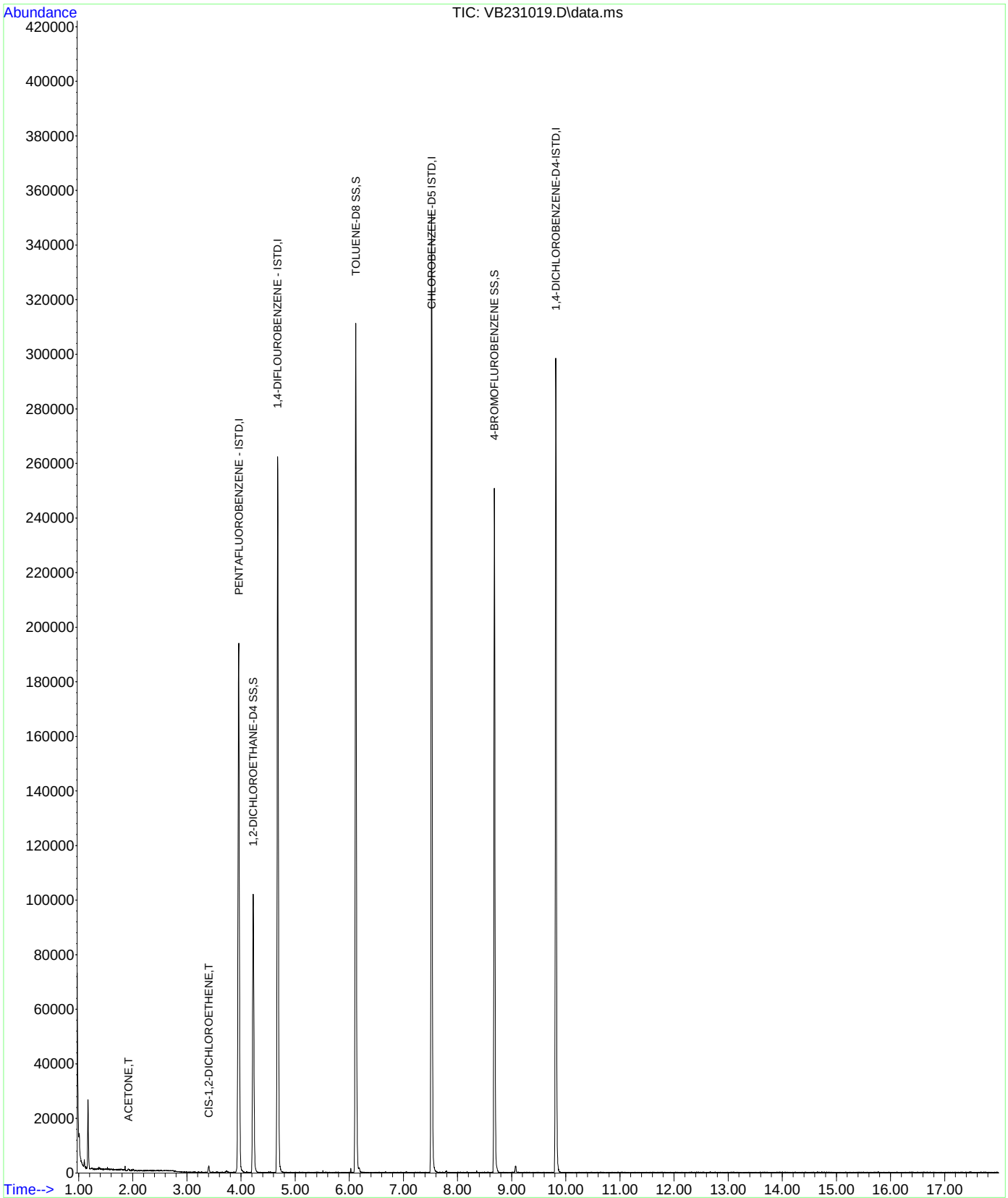
Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

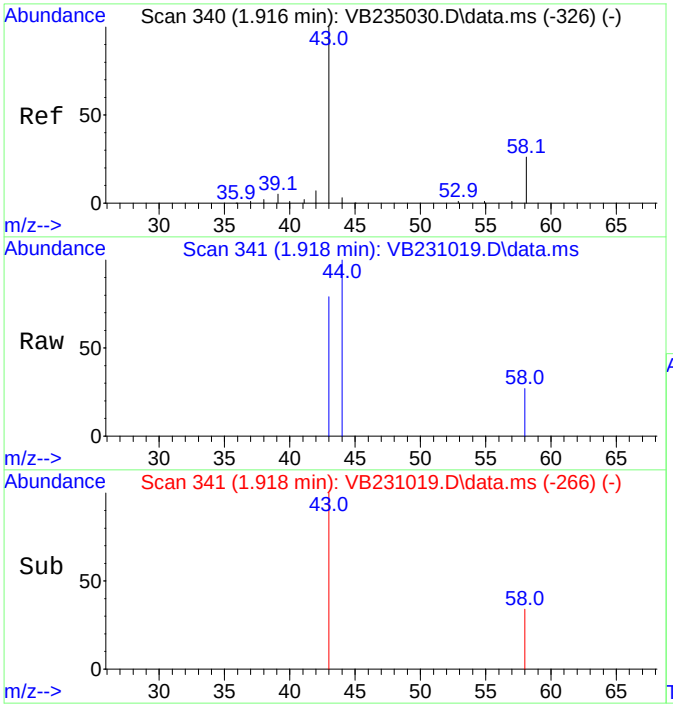
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	3.957	168	116831	30.00	UG/L	0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	170992	30.00	UG/L	0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	92793	30.00	UG/L	0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	68351	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	69154	26.48	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.92%			
43) TOLUENE-D8 SS	6.121	98	175417	25.00	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.00%			
64) 4-BROMOFLUROBENZENE SS	8.681	95	69047	23.81	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.24%			
Target Compounds						Qvalue
14) ACETONE	1.918	43	741	1.368	UG/L #	46
30) CIS-1,2-DICHLOROETHENE	3.405	61	1367	0.504	UG/L #	72

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

Data File : W:\DATA\081913\VB231019.D Vial: 19
Acq On : 19 Aug 2013 6:01 pm Operator:
Sample : 13H0490-02 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 22 12:41:47 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

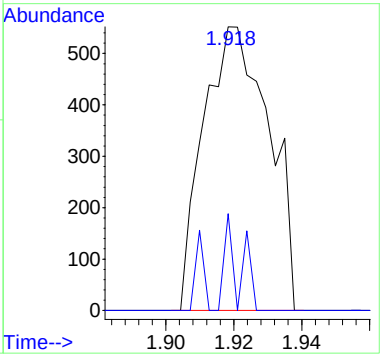


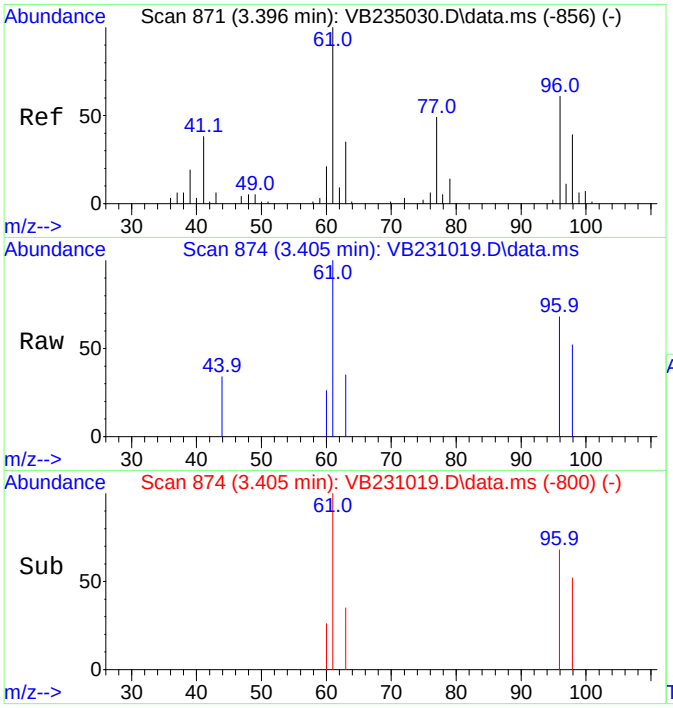


#14
ACETONE
Concen: 1.37 UG/L
RT: 1.918 min Scan# 341
Delta R.T. -0.003 min
Lab File: VB231019.D
Acq: 19 Aug 2013 6:01 pm

Tgt Ion: 43 Resp: 741

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.2	34.8#

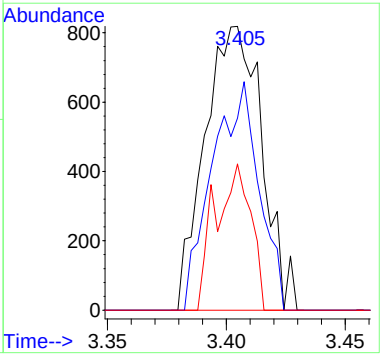




#30
CIS-1,2-DICHLOROETHENE
Concen: 0.50 UG/L
RT: 3.405 min Scan# 874
Delta R.T. 0.006 min
Lab File: VB231019.D
Acq: 19 Aug 2013 6:01 pm

Tgt Ion: 61 Resp: 1367

Ion	Ratio	Lower	Upper
61	100		
96	66.1	50.5	75.7
98	0.0	32.5	48.7#



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1 - FORM I
ANALYSIS DATA SHEET

MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-03	File ID:	VB231020.D
Sampled:	08/13/13 11:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:32
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	R-05
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	V-16
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-03	File ID:	VB231020.D
Sampled:	08/13/13 11:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:32
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	1.4	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	V-16
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-03	File ID:	VB231020.D
Sampled:	08/13/13 11:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:32
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-03	File ID:	VB231020.D
Sampled:	08/13/13 11:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:32
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231020.D Vial: 20
Acq On : 19 Aug 2013 6:32 pm Operator:
Sample : 13H0490-03 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 22 12:43:47 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

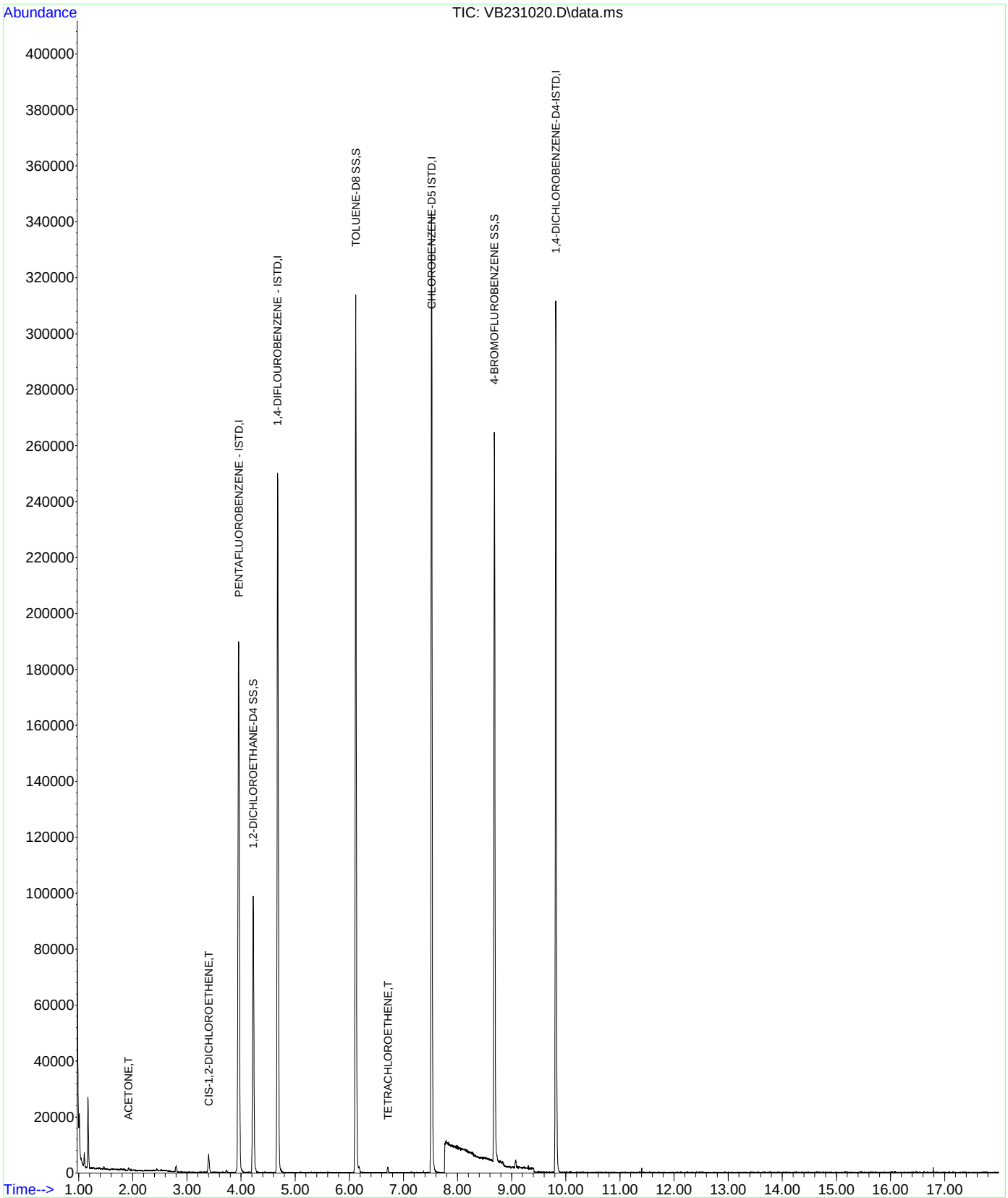
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	3.957	168	115369	30.00	UG/L	0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	166463	30.00	UG/L	0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	91862	30.00	UG/L	0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	68825	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.225	65	68095	26.40	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.60%			
43) TOLUENE-D8 SS	6.118	98	171211	25.07	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.28%			
64) 4-BROMOFLUROBENZENE SS	8.681	95	74407	25.92	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.68%			
Target Compounds						Qvalue
14) ACETONE	1.918	43	1013	1.894	UG/L	# 46
30) CIS-1,2-DICHLOROETHENE	3.402	61	3768	1.405	UG/L	96
59) TETRACHLOROETHENE	6.715	164	398m	0.318	UG/L	

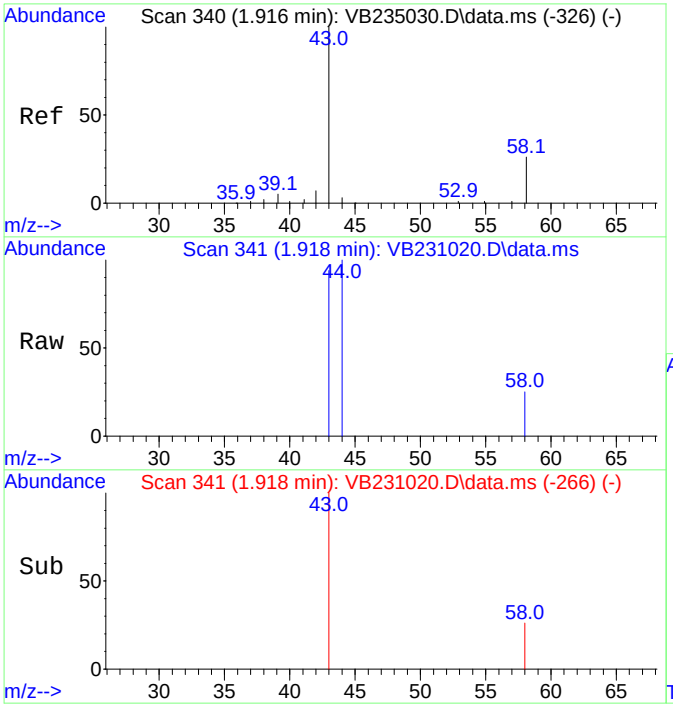
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231020.D Vial: 20
Acq On : 19 Aug 2013 6:32 pm Operator:
Sample : 13H0490-03 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 22 12:43:47 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

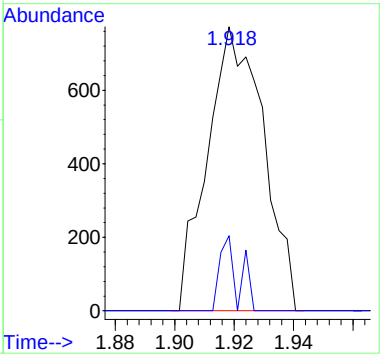


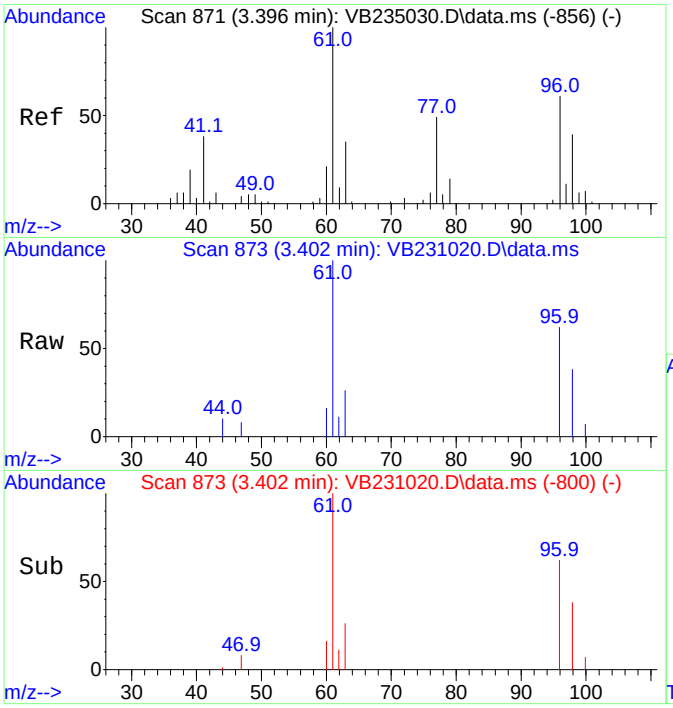


#14
ACETONE
Concen: 1.89 UG/L
RT: 1.918 min Scan# 341
Delta R.T. -0.003 min
Lab File: VB231020.D
Acq: 19 Aug 2013 6:32 pm

Tgt Ion: 43 Resp: 1013

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.2	34.8#

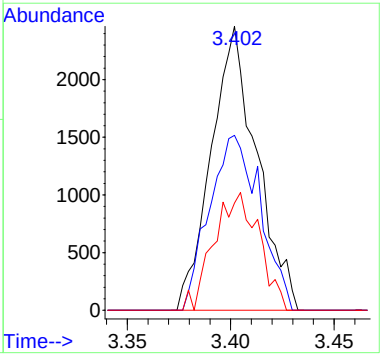


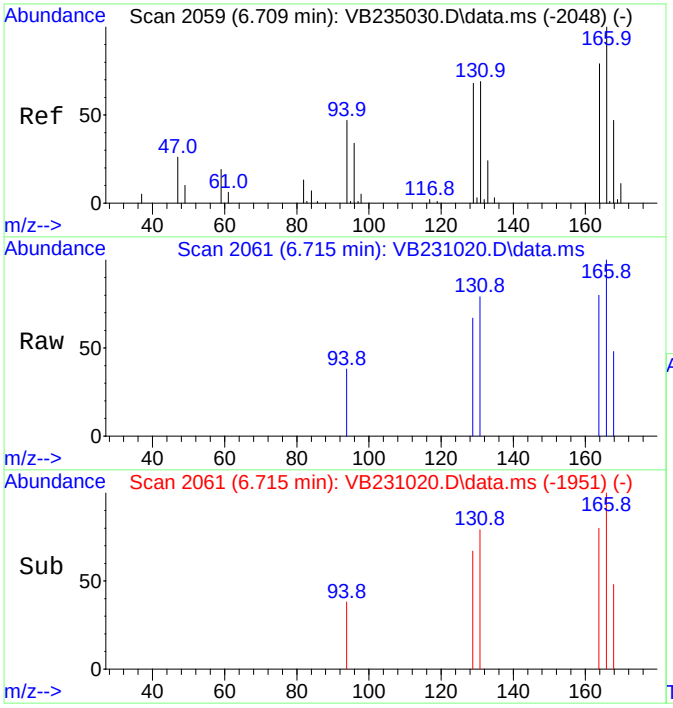


#30
CIS-1,2-DICHLOROETHENE
Concen: 1.41 UG/L
RT: 3.402 min Scan# 873
Delta R.T. 0.003 min
Lab File: VB231020.D
Acq: 19 Aug 2013 6:32 pm

Tgt Ion: 61 Resp: 3768

Ion	Ratio	Lower	Upper
61	100		
96	68.4	50.5	75.7
98	41.1	32.5	48.7

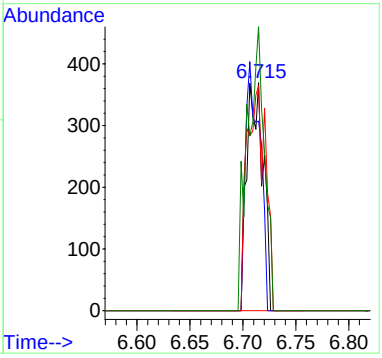




#59
TETRACHLOROETHENE
Concen: 0.32 UG/L m
RT: 6.715 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VB231020.D
Acq: 19 Aug 2013 6:32 pm

Tgt Ion:164 Resp: 398

Ion	Ratio	Lower	Upper
164	100		
129	0.0	71.8	107.8#
131	0.0	70.7	106.1#
166	0.0	100.6	151.0#



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1 - FORM I
ANALYSIS DATA SHEET

MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-04	File ID:	VB231021.D
Sampled:	08/13/13 12:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:03
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	R-05
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	V-16
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-04	File ID:	VB231021.D
Sampled:	08/13/13 12:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:03
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	V-16
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-04	File ID:	VB231021.D
Sampled:	08/13/13 12:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:03
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-04	File ID:	VB231021.D
Sampled:	08/13/13 12:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:03
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231021.D Vial: 21
Acq On : 19 Aug 2013 7:03 pm Operator:
Sample : 13H0490-04 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 22 12:47:53 2013

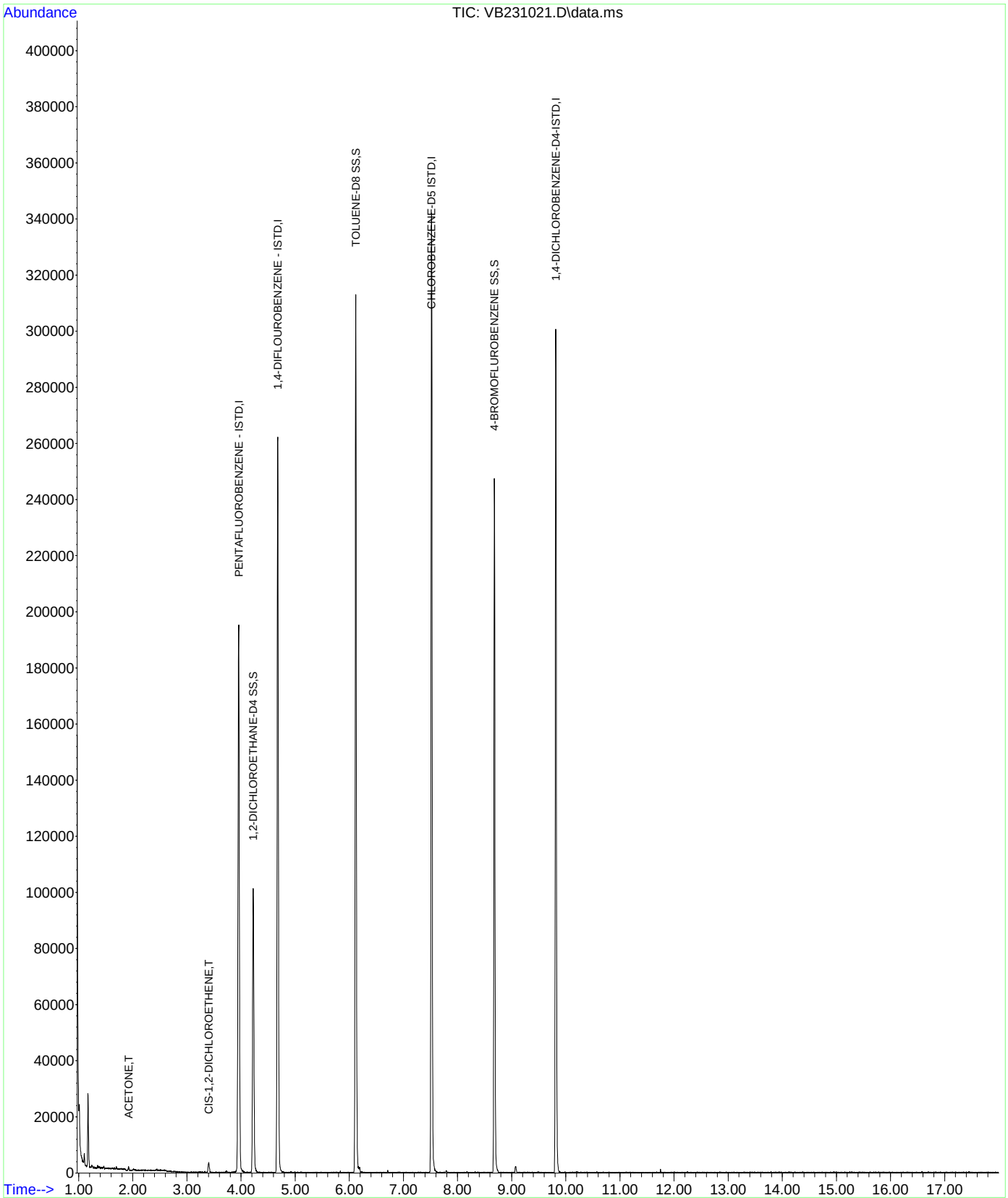
Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

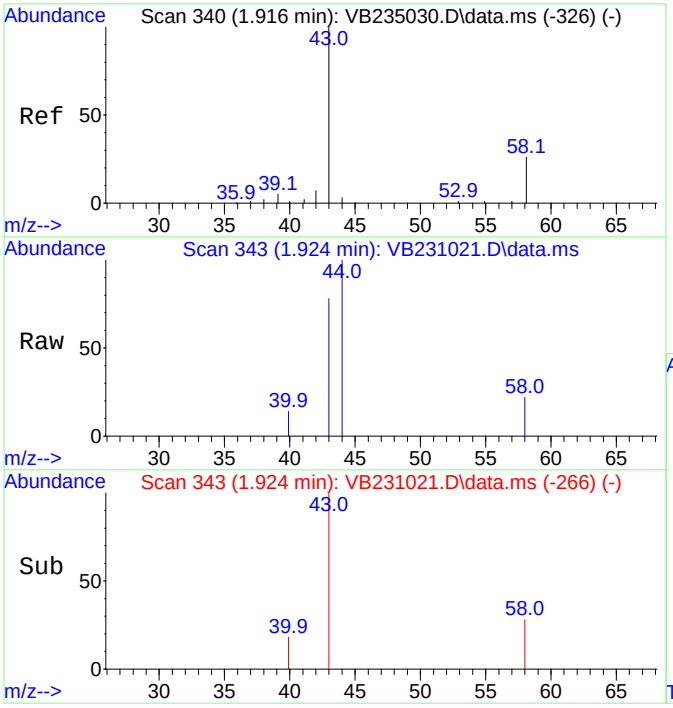
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	3.957	168	117181	30.00	UG/L	0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	174250	30.00	UG/L	0.00
63) CHLOROBENZENE-D5 ISTD	7.518	82	93354	30.00	UG/L	0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	68003	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	69466	26.52	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.08%			
43) TOLUENE-D8 SS	6.118	98	175015	24.48	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.92%			
64) 4-BROMOFLUROBENZENE SS	8.681	95	69013	23.65	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.60%			
Target Compounds						Qvalue
14) ACETONE	1.924	43	1085	1.997	UG/L #	46
30) CIS-1,2-DICHLOROETHENE	3.404	61	2161	0.794	UG/L #	71

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

Data File : W:\DATA\081913\VB231021.D Vial: 21
Acq On : 19 Aug 2013 7:03 pm Operator:
Sample : 13H0490-04 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 22 12:47:53 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

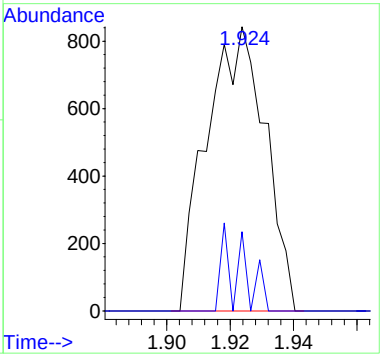


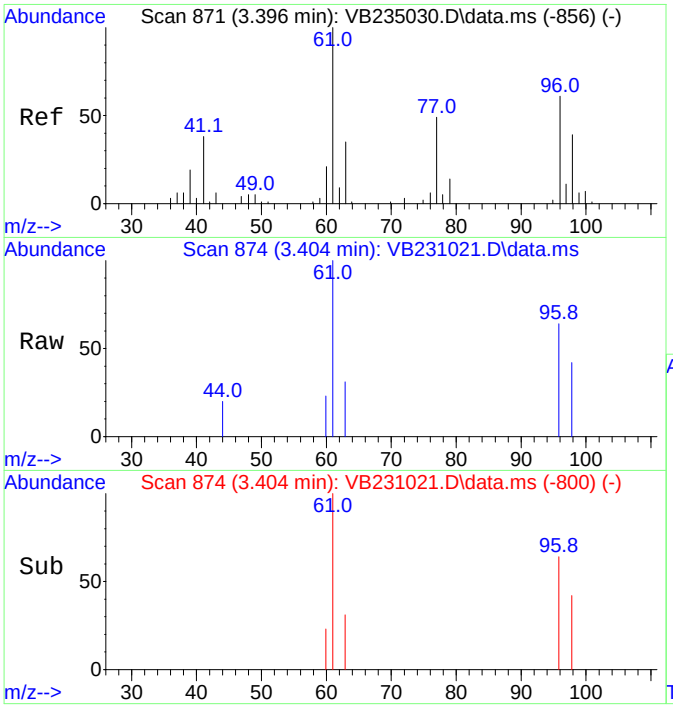


#14
ACETONE
Concen: 2.00 UG/L
RT: 1.924 min Scan# 343
Delta R.T. 0.003 min
Lab File: VB231021.D
Acq: 19 Aug 2013 7:03 pm

Tgt Ion: 43 Resp: 1085

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.2	34.8#

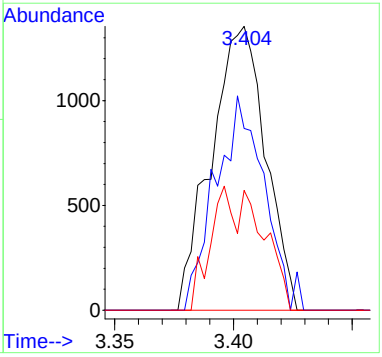




#30
CIS-1,2-DICHLOROETHENE
Concen: 0.79 UG/L
RT: 3.404 min Scan# 874
Delta R.T. 0.005 min
Lab File: VB231021.D
Acq: 19 Aug 2013 7:03 pm

Tgt Ion: 61 Resp: 2161

Ion	Ratio	Lower	Upper
61	100		
96	67.3	50.5	75.7
98	0.0	32.5	48.7#



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1 - FORM I
ANALYSIS DATA SHEET

TB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-05	File ID:	VB227035.D
Sampled:	08/13/13 13:15	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	R-05
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	V-16
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

TB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-05	File ID:	VB227035.D
Sampled:	08/13/13 13:15	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	V-05, V-16
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

TB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-05	File ID:	VB227035.D
Sampled:	08/13/13 13:15	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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1 - FORM I
ANALYSIS DATA SHEET

TB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-05	File ID:	VB227035.D
Sampled:	08/13/13 13:15	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227035.D Vial: 35
Acq On : 16 Aug 2013 1:28 am Operator:
Sample : 13H0490-05 @ TB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 16 09:58:16 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Fri Aug 16 09:52:42 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

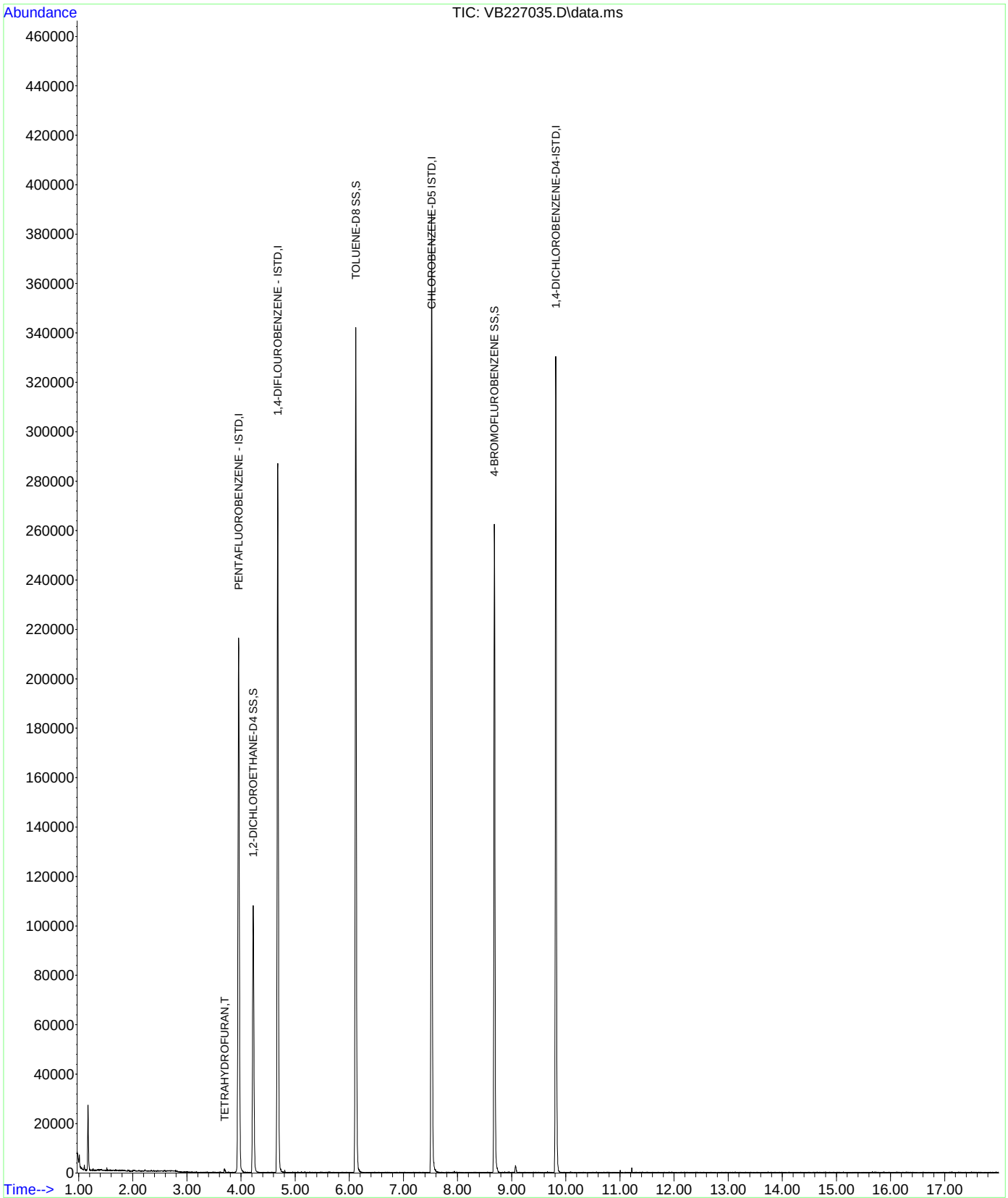
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	3.954	168	131644	30.00	UG/L	0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	191517	30.00	UG/L	0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	104211	30.00	UG/L	0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	74973	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	74451	25.30	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.20%			
43) TOLUENE-D8 SS	6.121	98	193909	24.68	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.72%			
64) 4-BROMOFLUROBENZENE SS	8.681	95	75802	23.27	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.08%			
Target Compounds						Qvalue
17) IODOMETHANE	2.019	142	286	Below Cal	#	30
34) TETRAHYDROFURAN	3.697	42	561	1.014	UG/L #	28

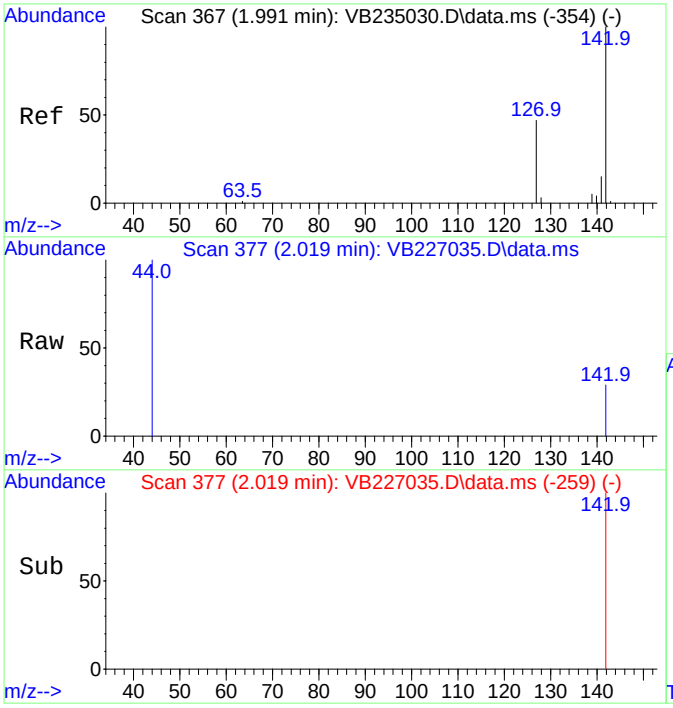
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : W:\DATA\081513\VB227035.D
Acq On : 16 Aug 2013 1:28 am
Sample : 13H0490-05 @ TB
InstName : GCMSVOA2
Misc :
Quant Time: Aug 16 09:58:16 2013

Vial: 35
Operator:
Inst : GCMSVOA2
Multiplr: 1.00

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Fri Aug 16 09:52:42 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

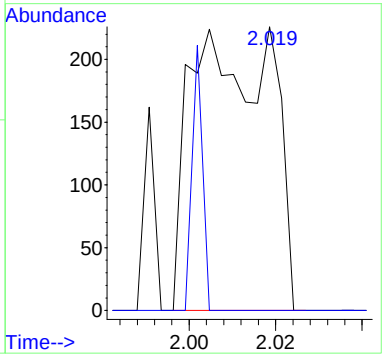


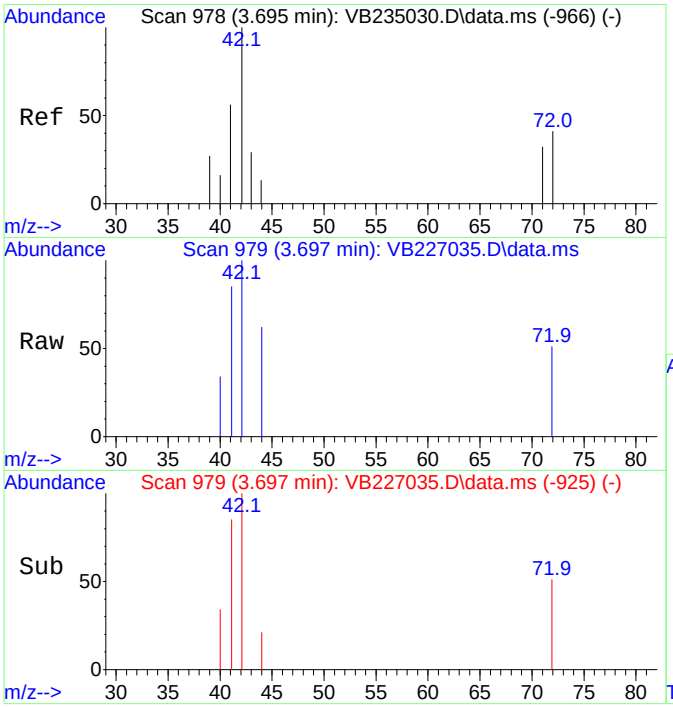


#17
IODOMETHANE
Concen: Below Cal
RT: 2.019 min Scan# 377
Delta R.T. 0.029 min
Lab File: VB227035.D
Acq: 16 Aug 2013 1:28 am

Tgt Ion:142 Resp: 286

Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.1	55.7#

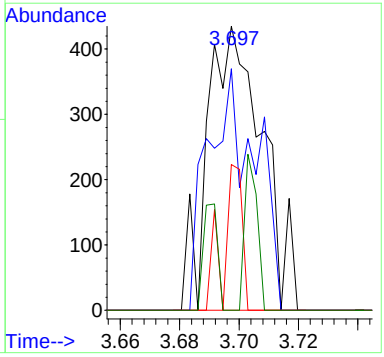




#34
TETRAHYDROFURAN
Concen: 1.01 UG/L
RT: 3.697 min Scan# 979
Delta R.T. -0.000 min
Lab File: VB227035.D
Acq: 16 Aug 2013 1:28 am

Tgt Ion: 42 Resp: 561

Ion	Ratio	Lower	Upper
42	100		
41	0.0	47.4	71.2#
72	0.0	36.4	54.6#
71	0.0	32.2	48.2#



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1 - FORM I
ANALYSIS DATA SHEET

FB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-06	File ID:	VB227036.D
Sampled:	08/13/13 13:20	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:59
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	R-05
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	V-16
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

FB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-06	File ID:	VB227036.D
Sampled:	08/13/13 13:20	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:59
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	V-05, V-16
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

FB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-06	File ID:	VB227036.D
Sampled:	08/13/13 13:20	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:59
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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1 - FORM I
ANALYSIS DATA SHEET

FB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-06	File ID:	VB227036.D
Sampled:	08/13/13 13:20	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:59
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227036.D Vial: 36
Acq On : 16 Aug 2013 1:59 am Operator:
Sample : 13H0490-06 @ FB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 16 09:59:09 2013

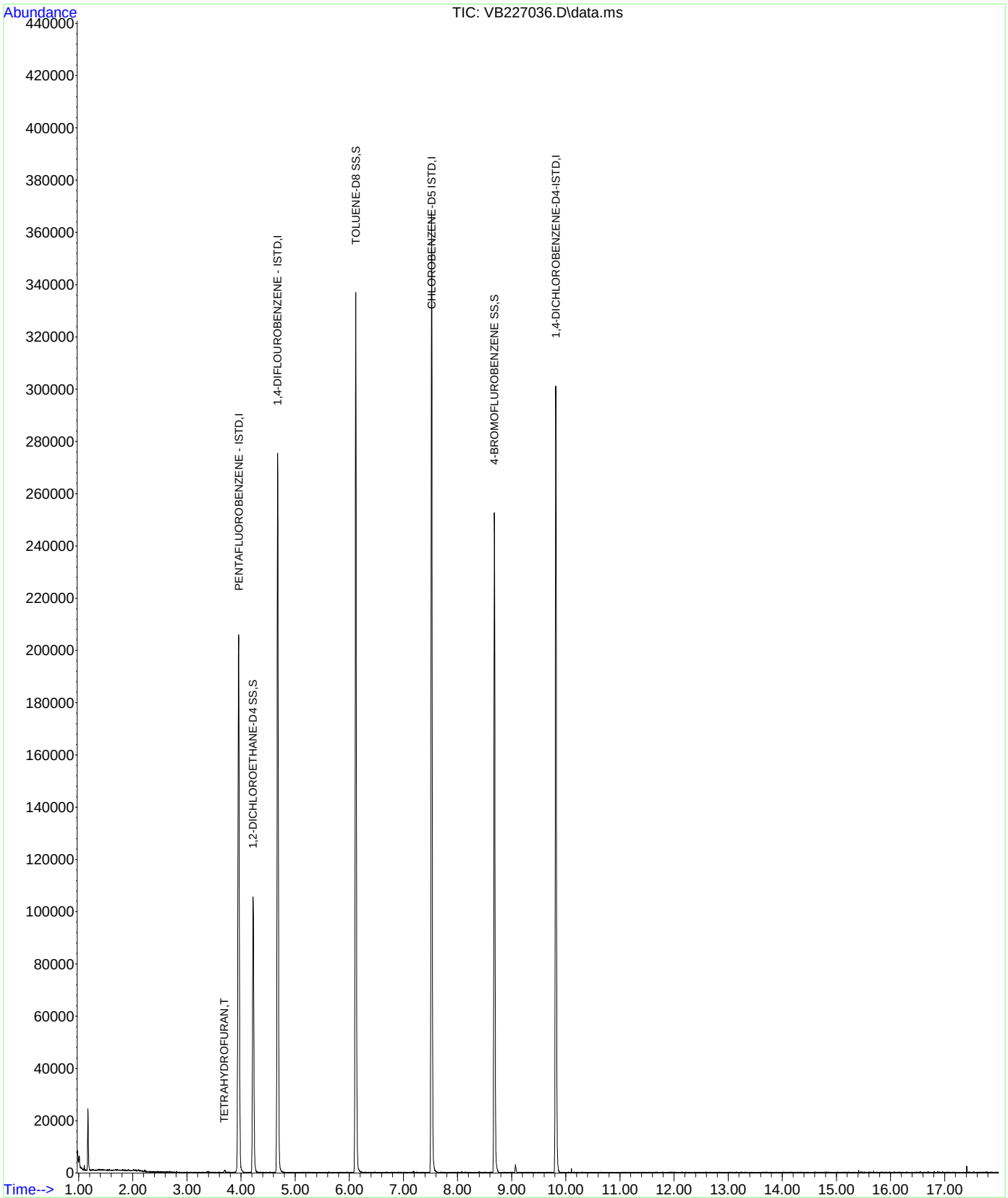
Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Fri Aug 16 09:52:42 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

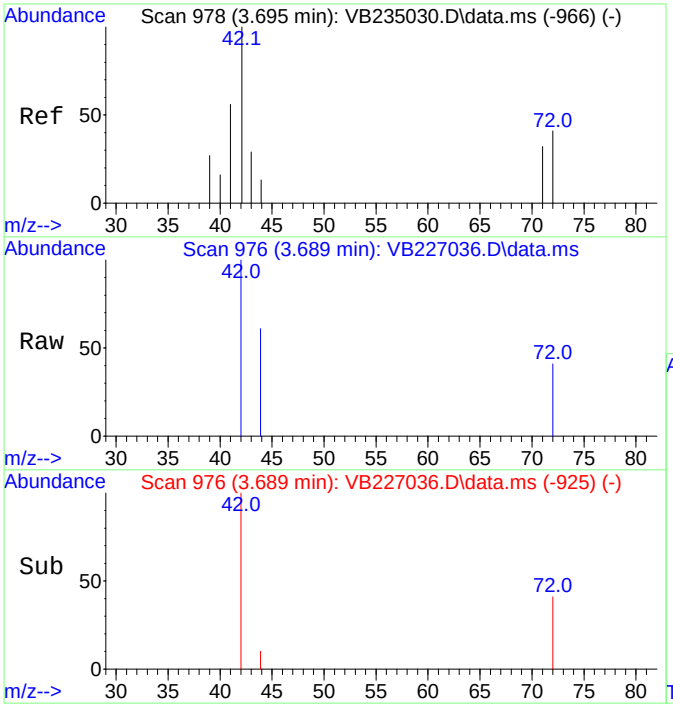
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	3.957	168	127698	30.00	UG/L	0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	184513	30.00	UG/L	0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	98312	30.00	UG/L	0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	69601	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.222	65	71652	25.10	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.40%			
43) TOLUENE-D8 SS	6.118	98	185692	24.53	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.12%			
64) 4-BROMOFLUROBENZENE SS	8.681	95	73031	23.77	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.08%			
Target Compounds						Qvalue
34) TETRAHYDROFURAN	3.689	42	626m	1.166	UG/L	

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

Data File : W:\DATA\081513\VB227036.D Vial: 36
Acq On : 16 Aug 2013 1:59 am Operator:
Sample : 13H0490-06 @ FB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 16 09:59:09 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Fri Aug 16 09:52:42 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

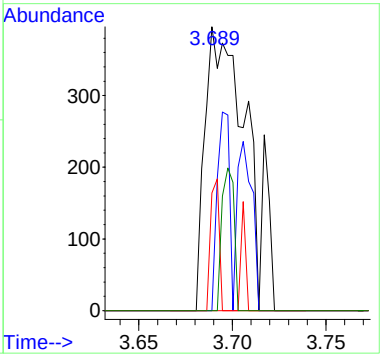




#34
TETRAHYDROFURAN
Concen: 1.17 UG/L m
RT: 3.689 min Scan# 976
Delta R.T. -0.008 min
Lab File: VB227036.D
Acq: 16 Aug 2013 1:59 am

Tgt Ion: 42 Resp: 626

Ion	Ratio	Lower	Upper
42	100		
41	0.0	47.4	71.2#
72	0.0	36.4	54.6#
71	0.0	32.2	48.2#



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1 - FORM I
ANALYSIS DATA SHEET

MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-07	File ID:	VB231022.D
Sampled:	08/13/13 14:10	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:33
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		9.4	100	
107-13-1	Acrylonitrile		1.2	10	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.18	1.0	
71-43-2	Benzene		0.16	2.0	
108-86-1	Bromobenzene		0.088	2.0	
74-97-5	Bromochloromethane		0.45	2.0	
75-27-4	Bromodichloromethane		0.18	2.0	
75-25-2	Bromoform		0.42	2.0	
74-83-9	Bromomethane		1.9	4.0	R-05
78-93-3	2-Butanone (MEK)		4.7	40	
75-65-0	tert-Butyl Alcohol (TBA)		4.3	40	V-16
104-51-8	n-Butylbenzene		0.11	10	
135-98-8	sec-Butylbenzene		0.17	2.0	
98-06-6	tert-Butylbenzene		0.19	2.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	1.0	
75-15-0	Carbon Disulfide		2.0	8.0	
56-23-5	Carbon Tetrachloride		0.20	10	
108-90-7	Chlorobenzene		0.24	2.0	
124-48-1	Chlorodibromomethane		0.11	1.0	
75-00-3	Chloroethane		0.32	4.0	
67-66-3	Chloroform		0.29	4.0	
74-87-3	Chloromethane		0.65	4.0	
95-49-8	2-Chlorotoluene		0.14	2.0	
106-43-4	4-Chlorotoluene		0.15	2.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.68	10	

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1 - FORM I
ANALYSIS DATA SHEET

MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-07	File ID:	VB231022.D
Sampled:	08/13/13 14:10	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:33
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.18	1.0	
74-95-3	Dibromomethane		0.14	2.0	
95-50-1	1,2-Dichlorobenzene		0.15	2.0	
541-73-1	1,3-Dichlorobenzene		0.16	2.0	
106-46-7	1,4-Dichlorobenzene		0.092	2.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.24	4.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.24	4.0	
75-34-3	1,1-Dichloroethane		0.32	2.0	
107-06-2	1,2-Dichloroethane		0.39	2.0	
75-35-4	1,1-Dichloroethylene		0.42	2.0	
156-59-2	cis-1,2-Dichloroethylene	130	0.29	2.0	
156-60-5	trans-1,2-Dichloroethylene		0.30	2.0	
78-87-5	1,2-Dichloropropane		0.22	2.0	
142-28-9	1,3-Dichloropropane		0.20	1.0	
594-20-7	2,2-Dichloropropane		0.14	2.0	
563-58-6	1,1-Dichloropropene		0.26	4.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	4.0	
10061-02-6	trans-1,3-Dichloropropene		0.11	10	
60-29-7	Diethyl Ether		0.44	4.0	
108-20-3	Diisopropyl Ether (DIPE)		0.36	1.0	
123-91-1	1,4-Dioxane		53	100	V-16
100-41-4	Ethylbenzene		0.18	2.0	
87-68-3	Hexachlorobutadiene		0.34	2.0	
591-78-6	2-Hexanone (MBK)		3.0	20	
98-82-8	Isopropylbenzene (Cumene)		0.23	2.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-07	File ID:	VB231022.D
Sampled:	08/13/13 14:10	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:33
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.25	2.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.18	2.0	
75-09-2	Methylene Chloride		6.4	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.9	20	
91-20-3	Naphthalene		0.24	10	
103-65-1	n-Propylbenzene		0.19	2.0	
100-42-5	Styrene		0.24	2.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.24	4.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.25	1.0	
127-18-4	Tetrachloroethylene	9.6	0.16	2.0	
109-99-9	Tetrahydrofuran		2.1	20	
108-88-3	Toluene		0.18	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.28	10	
120-82-1	1,2,4-Trichlorobenzene		0.24	10	
108-70-3	1,3,5-Trichlorobenzene		0.28	2.0	
71-55-6	1,1,1-Trichloroethane		0.19	2.0	
79-00-5	1,1,2-Trichloroethane		0.23	2.0	
79-01-6	Trichloroethylene	6.4	0.15	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.29	4.0	
96-18-4	1,2,3-Trichloropropane		0.24	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.18	2.0	
95-63-6	1,2,4-Trimethylbenzene		0.36	2.0	
108-67-8	1,3,5-Trimethylbenzene		0.20	2.0	
75-01-4	Vinyl Chloride	44	0.27	4.0	
108383/106423	m+p Xylene		0.36	4.0	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-07	File ID:	VB231022.D
Sampled:	08/13/13 14:10	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:33
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.22	2.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231022.D Vial: 22
Acq On : 19 Aug 2013 7:33 pm Operator:
Sample : 13H0490-07 @2X Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : 2 Multiplr: 1.00
Quant Time: Aug 22 12:49:29 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

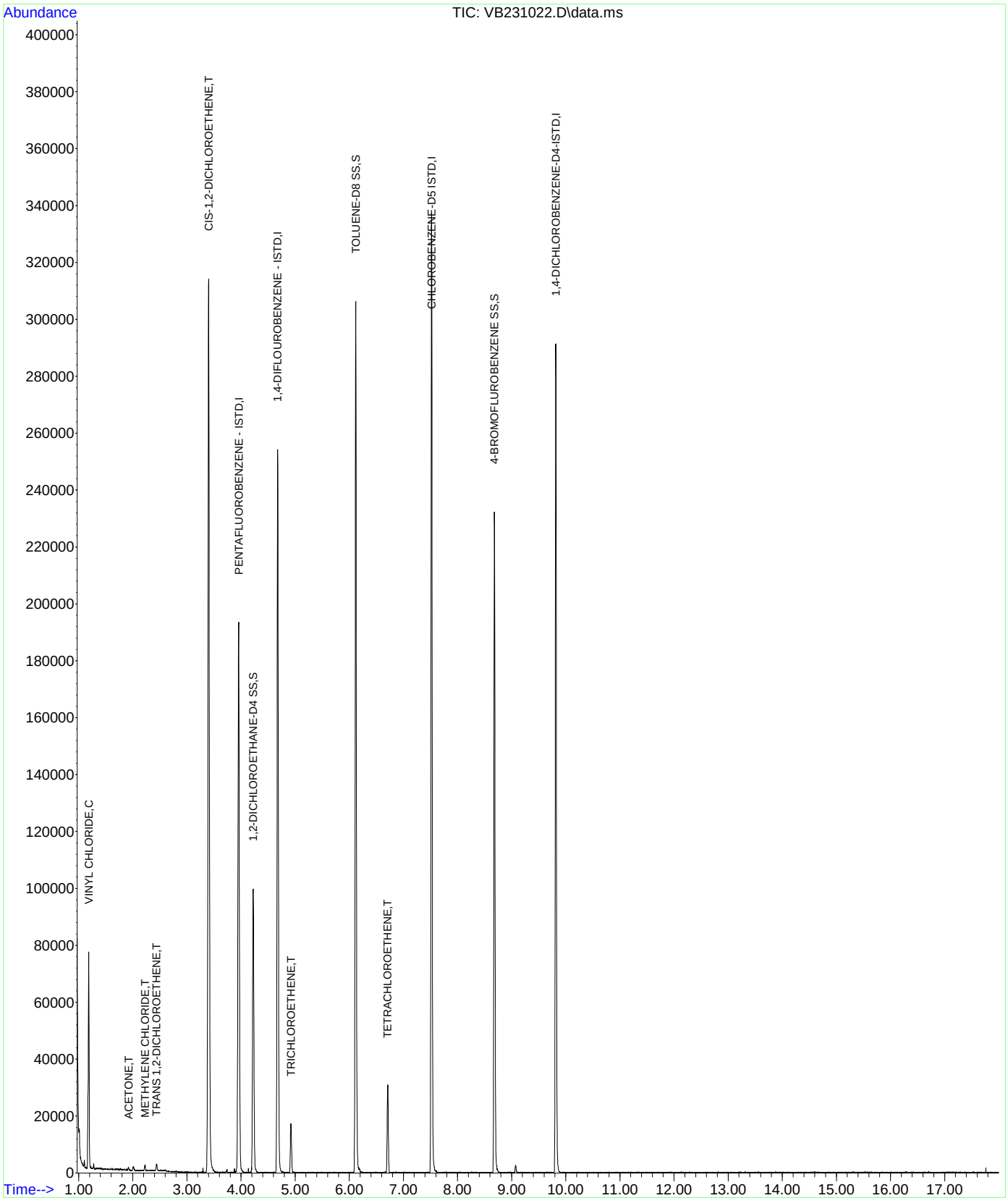
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	117161	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	167767	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	91520	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	65738	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	67210	25.66	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.64%				
43) TOLUENE-D8 SS	6.118	98	170971	24.84	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.36%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	67854	23.72	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.88%				
Target Compounds							Qvalue
6) VINYL CHLORIDE	1.185	62	37637	22.031	UG/L		99
14) ACETONE	1.921	43	1138	2.095	UG/L	#	46
21) METHYLENE CHLORIDE	2.225	49	992	0.524	UG/L	#	64
24) TRANS 1,2-DICHLOROETHENE	2.437	61	1105	0.519	UG/L	#	73
30) CIS-1,2-DICHLOROETHENE	3.402	61	179708	66.006	UG/L		95
45) TRICHLOROETHENE	4.922	95	5280	3.223	UG/L		99
59) TETRACHLOROETHENE	6.709	164	6050	4.803	UG/L		98

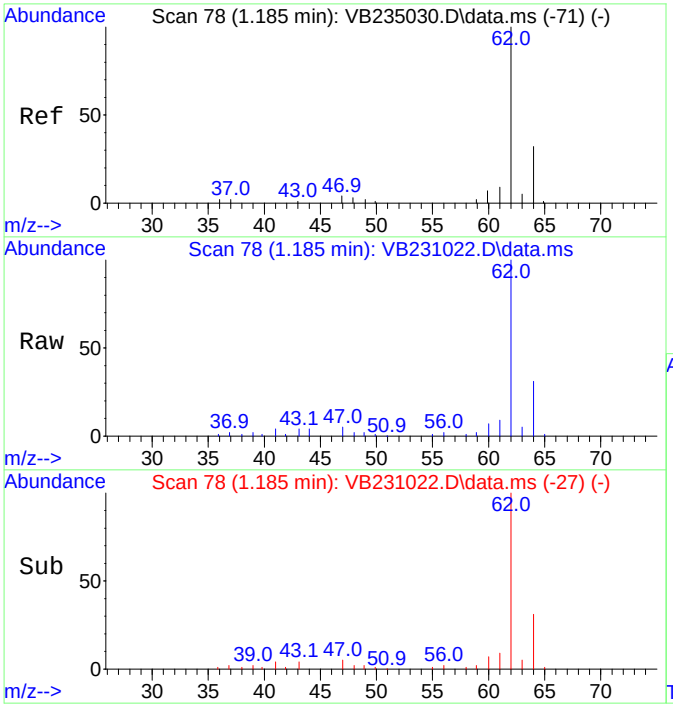
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : W:\DATA\081913\VB231022.D
Acq On : 19 Aug 2013 7:33 pm
Sample : 13H0490-07 @2X
InstName : GCMSVOA2
Misc : 2
Quant Time: Aug 22 12:49:29 2013

Vial: 22
Operator:
Inst : GCMSVOA2
Multiplr: 1.00

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

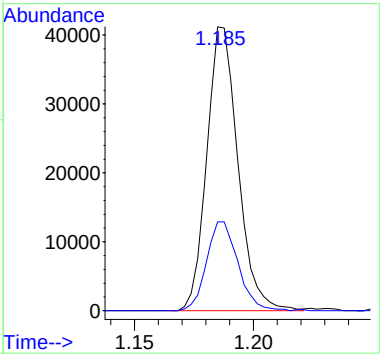


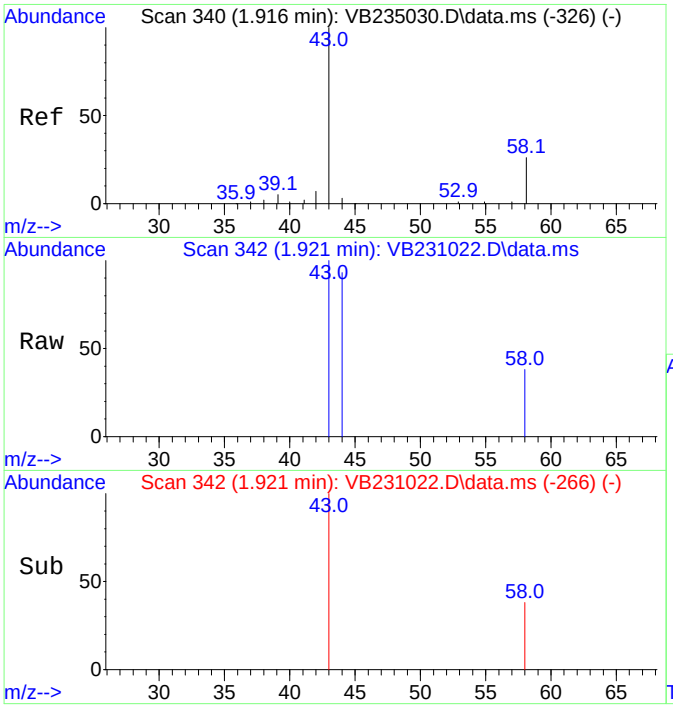


#6
VINYL CHLORIDE
Concen: 22.03 UG/L
RT: 1.185 min Scan# 78
Delta R.T. 0.000 min
Lab File: VB231022.D
Acq: 19 Aug 2013 7:33 pm

Tgt Ion: 62 Resp: 37637

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.8	38.6

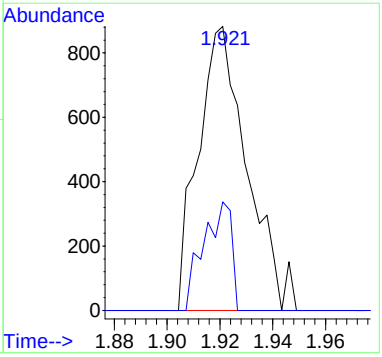


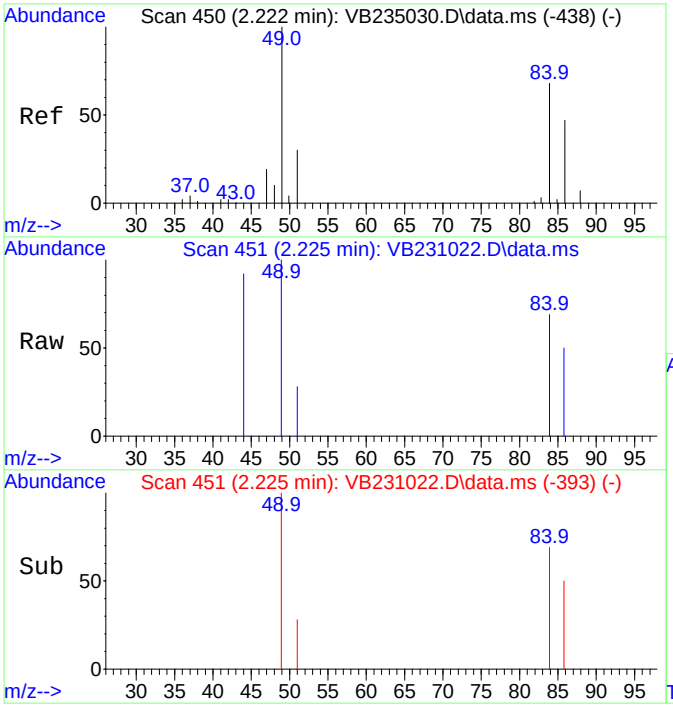


#14
ACETONE
Concen: 2.10 UG/L
RT: 1.921 min Scan# 342
Delta R.T. 0.000 min
Lab File: VB231022.D
Acq: 19 Aug 2013 7:33 pm

Tgt Ion: 43 Resp: 1138

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.2	34.8#

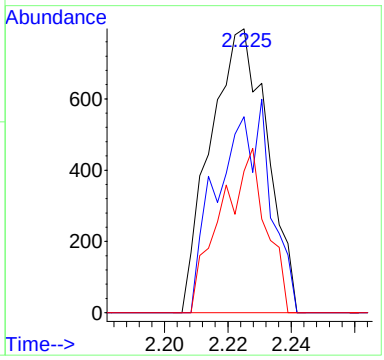


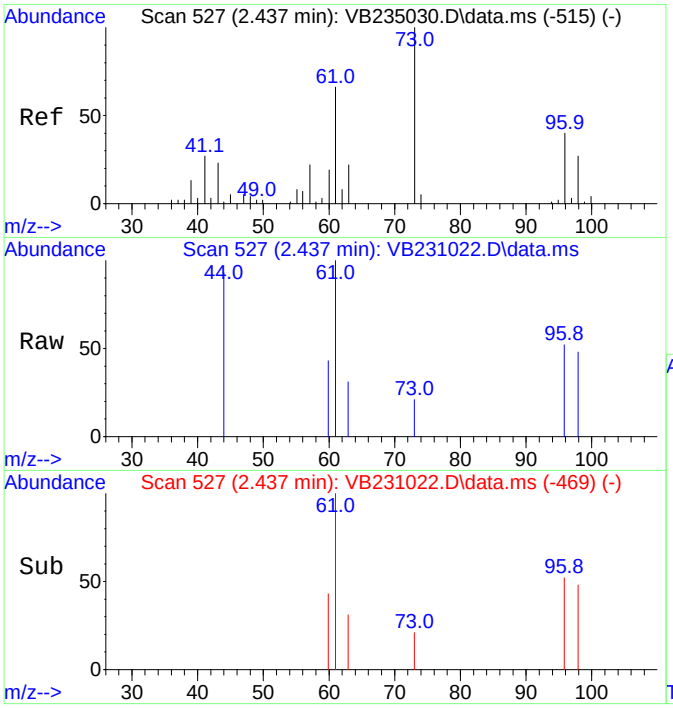


#21
METHYLENE CHLORIDE
Concen: 0.52 UG/L
RT: 2.225 min Scan# 451
Delta R.T. 0.003 min
Lab File: VB231022.D
Acq: 19 Aug 2013 7:33 pm

Tgt Ion: 49 Resp: 992

Ion	Ratio	Lower	Upper
49	100		
84	67.3	62.3	93.5
86	0.0	40.4	60.6#

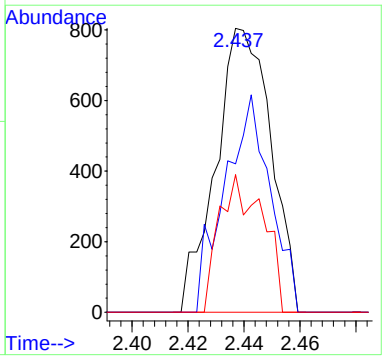


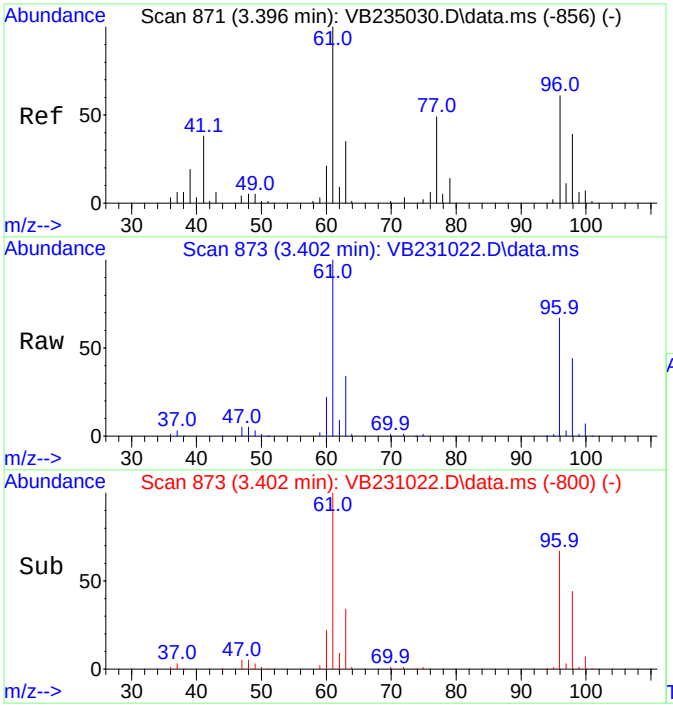


#24
TRANS 1,2-DICHLOROETHENE
Concen: 0.52 UG/L
RT: 2.437 min Scan# 527
Delta R.T. -0.003 min
Lab File: VB231022.D
Acq: 19 Aug 2013 7:33 pm

Tgt Ion: 61 Resp: 1105

Ion	Ratio	Lower	Upper
61	100		
96	63.2	51.4	77.0
98	0.0	33.1	49.7#

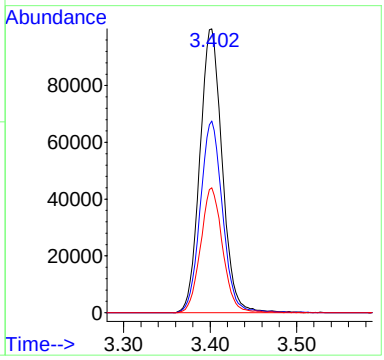


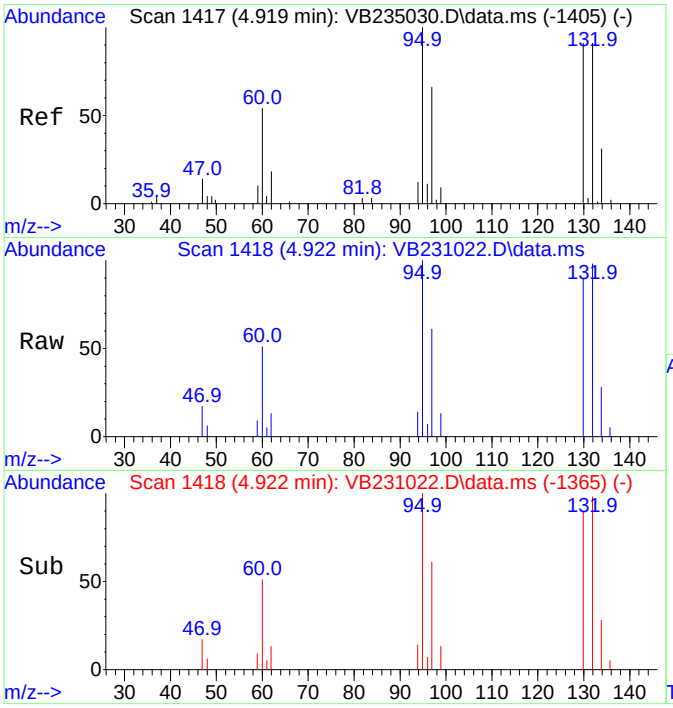


#30
CIS-1,2-DICHLOROETHENE
Concen: 66.01 UG/L
RT: 3.402 min Scan# 873
Delta R.T. 0.003 min
Lab File: VB231022.D
Acq: 19 Aug 2013 7:33 pm

Tgt Ion: 61 Resp: 179708

Ion	Ratio	Lower	Upper
61	100		
96	67.5	50.5	75.7
98	43.4	32.5	48.7

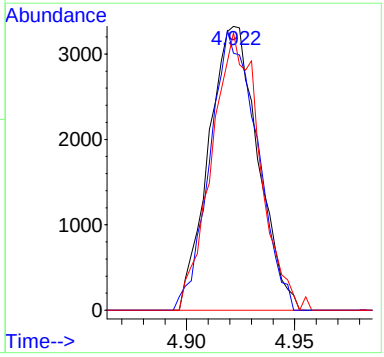


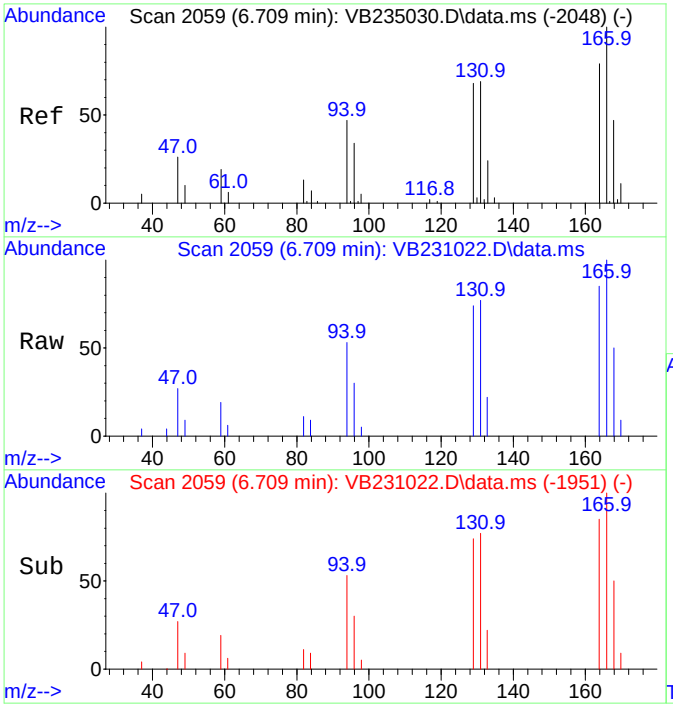


#45
TRICHLOROETHENE
Concen: 3.22 UG/L
RT: 4.922 min Scan# 1418
Delta R.T. -0.003 min
Lab File: VB231022.D
Acq: 19 Aug 2013 7:33 pm

Tgt Ion: 95 Resp: 5280

Ion	Ratio	Lower	Upper
95	100		
130	94.4	76.2	114.2
132	94.9	75.4	113.2

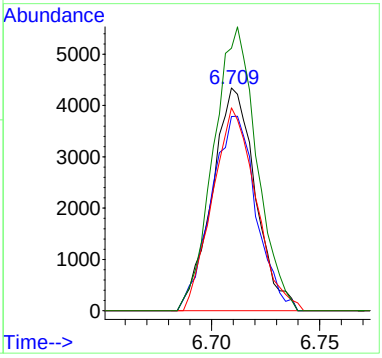




#59
TETRACHLOROETHENE
Concen: 4.80 UG/L
RT: 6.709 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VB231022.D
Acq: 19 Aug 2013 7:33 pm

Tgt Ion:164 Resp: 6050

Ion	Ratio	Lower	Upper
164	100		
129	90.9	71.8	107.8
131	91.7	70.7	106.1
166	128.2	100.6	151.0



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1 - FORM I
ANALYSIS DATA SHEET

MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08	File ID:	VB231023.D
Sampled:	08/13/13 15:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 20:04
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	R-05
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	V-16
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08	File ID:	VB231023.D
Sampled:	08/13/13 15:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 20:04
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	4.9	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	V-16
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08	File ID:	VB231023.D
Sampled:	08/13/13 15:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 20:04
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene	27	0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene	8.9	0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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1 - FORM I
ANALYSIS DATA SHEET

MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08	File ID:	VB231023.D
Sampled:	08/13/13 15:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 20:04
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231023.D Vial: 23
Acq On : 19 Aug 2013 8:04 pm Operator:
Sample : 13H0490-08 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 22 12:51:31 2013

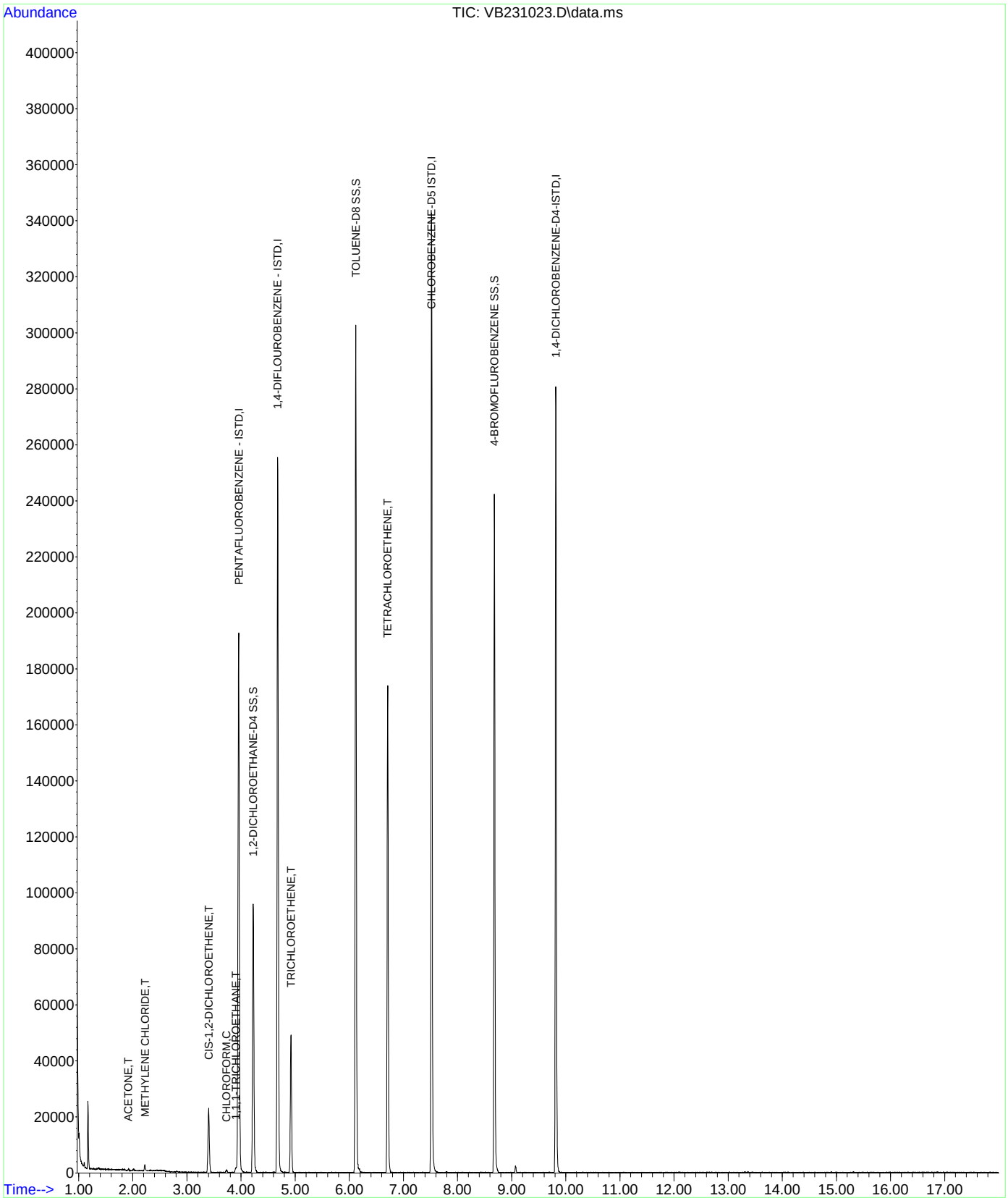
Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

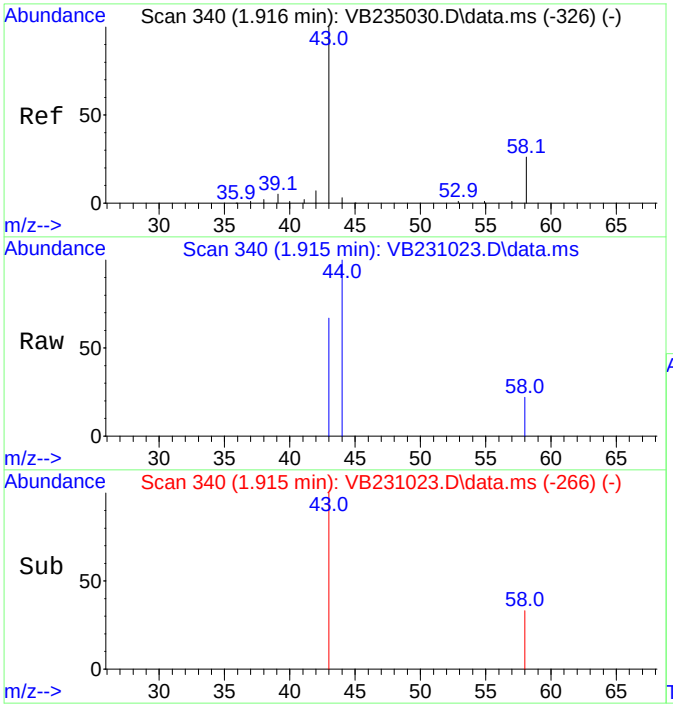
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	113991	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	167446	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.518	82	92005	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.818	152	65574	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	67352	26.43	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.72%				
43) TOLUENE-D8 SS	6.121	98	169914	24.73	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.92%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	67436	23.45	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.80%				
Target Compounds							Qvalue
14) ACETONE	1.915	43	671	1.270	UG/L	#	46
21) METHYLENE CHLORIDE	2.222	49	996	0.541	UG/L	#	71
30) CIS-1,2-DICHLOROETHENE	3.402	61	13024	4.917	UG/L		94
35) CHLOROFORM	3.728	83	768	0.254	UG/L	#	18
36) 1,1,1-TRICHLOROETHANE	3.904	97	1198	0.476	UG/L	#	24
45) TRICHLOROETHENE	4.924	95	14487	8.860	UG/L		98
59) TETRACHLOROETHENE	6.709	164	33666	26.777	UG/L		99

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

Data File : W:\DATA\081913\VB231023.D Vial: 23
Acq On : 19 Aug 2013 8:04 pm Operator:
Sample : 13H0490-08 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 22 12:51:31 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

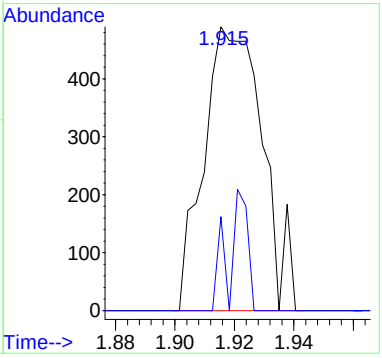


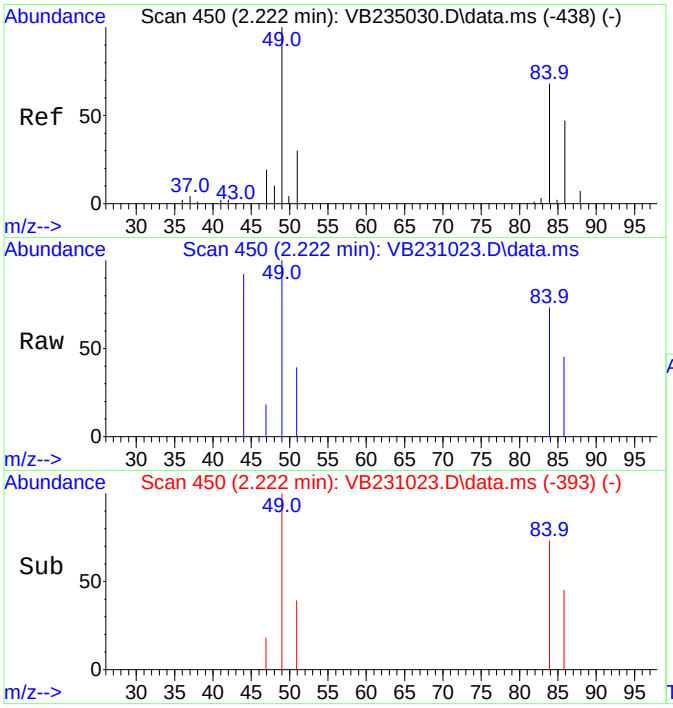


#14
ACETONE
Concen: 1.27 UG/L
RT: 1.915 min Scan# 340
Delta R.T. -0.006 min
Lab File: VB231023.D
Acq: 19 Aug 2013 8:04 pm

Tgt Ion: 43 Resp: 671

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.2	34.8#

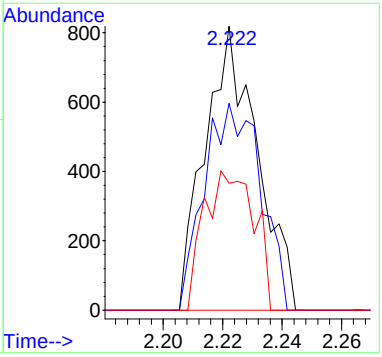


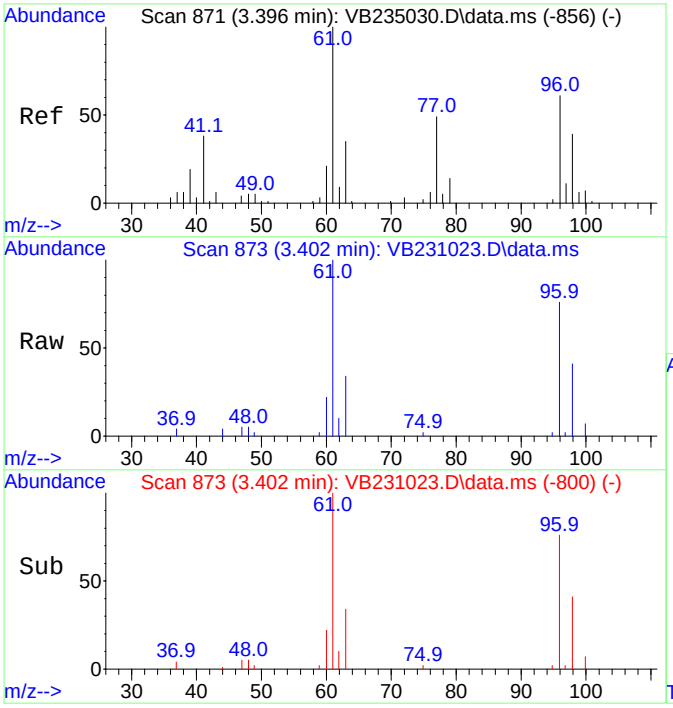


#21
METHYLENE CHLORIDE
Concen: 0.54 UG/L
RT: 2.222 min Scan# 450
Delta R.T. -0.000 min
Lab File: VB231023.D
Acq: 19 Aug 2013 8:04 pm

Tgt Ion: 49 Resp: 996

Ion	Ratio	Lower	Upper
49	100		
84	78.7	62.3	93.5
86	0.0	40.4	60.6#

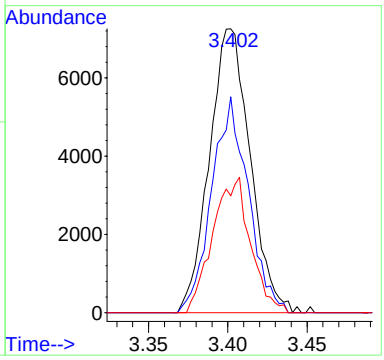


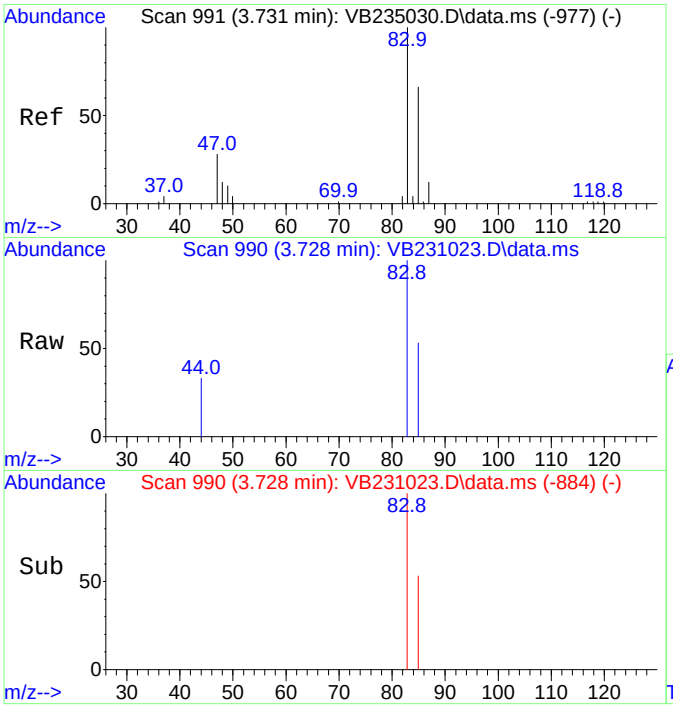


#30
CIS-1,2-DICHLOROETHENE
Concen: 4.92 UG/L
RT: 3.402 min Scan# 873
Delta R.T. 0.003 min
Lab File: VB231023.D
Acq: 19 Aug 2013 8:04 pm

Tgt Ion: 61 Resp: 13024

Ion	Ratio	Lower	Upper
61	100		
96	68.0	50.5	75.7
98	44.0	32.5	48.7

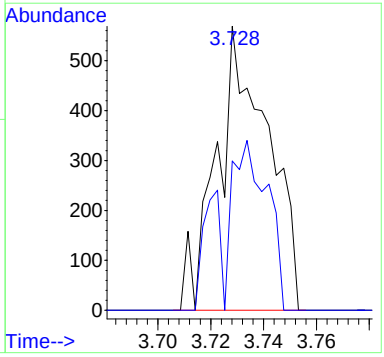


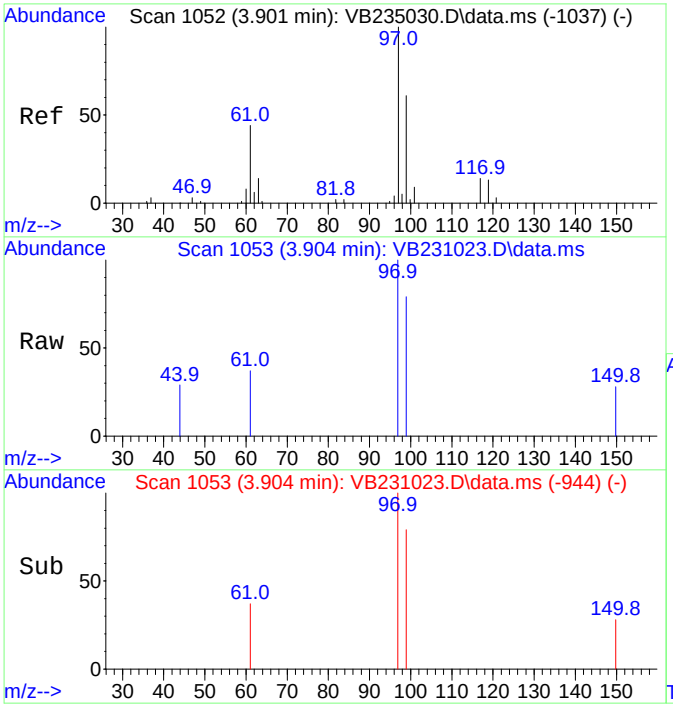


#35
CHLOROFORM
Concen: 0.25 UG/L
RT: 3.728 min Scan# 990
Delta R.T. -0.006 min
Lab File: VB231023.D
Acq: 19 Aug 2013 8:04 pm

Tgt Ion: 83 Resp: 768

Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.1	78.1#

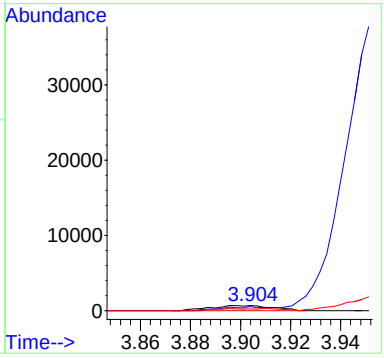


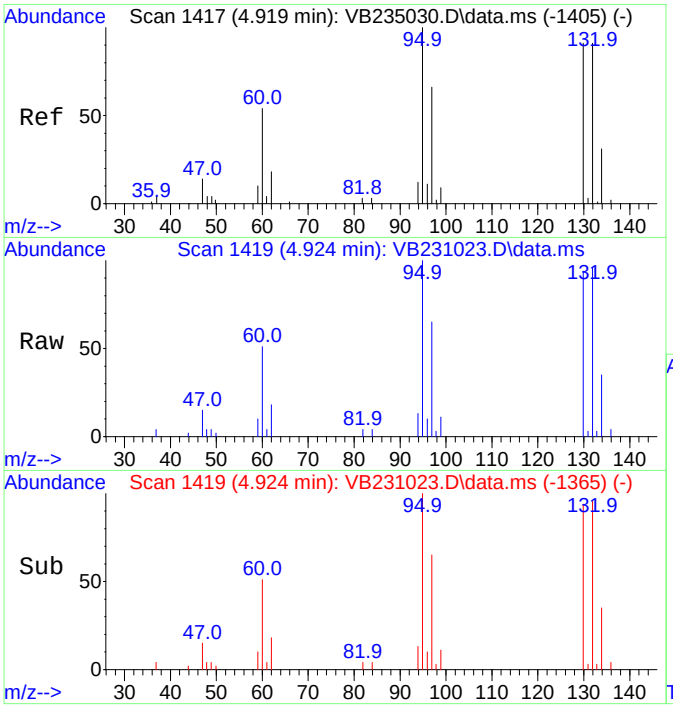


#36
1,1,1-TRICHLOROETHANE
Concen: 0.48 UG/L
RT: 3.904 min Scan# 1053
Delta R.T. 0.003 min
Lab File: VB231023.D
Acq: 19 Aug 2013 8:04 pm

Tgt Ion: 97 Resp: 1198

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	0.0	34.6	52.0#

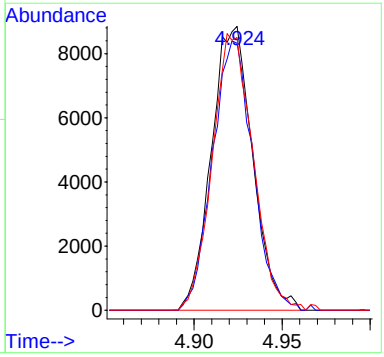


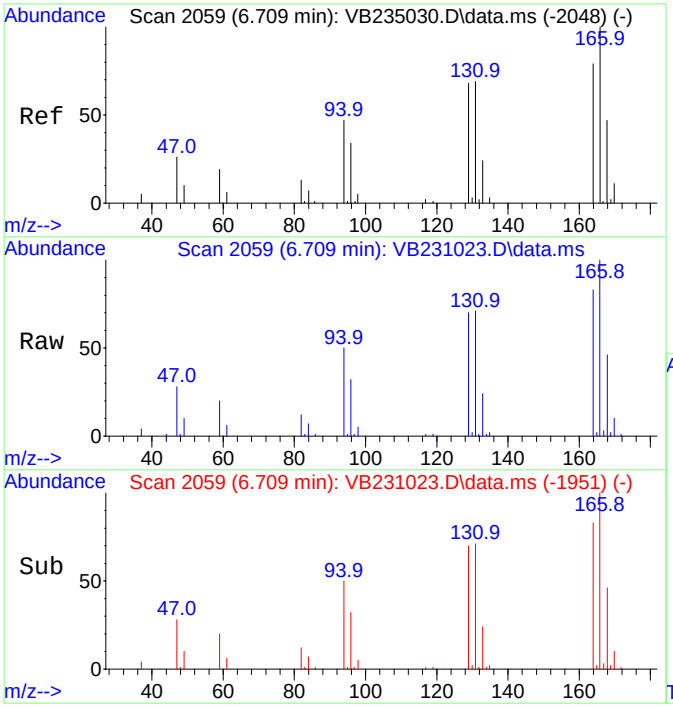


#45
TRICHLOROETHENE
Concen: 8.86 UG/L
RT: 4.924 min Scan# 1419
Delta R.T. 0.000 min
Lab File: VB231023.D
Acq: 19 Aug 2013 8:04 pm

Tgt Ion: 95 Resp: 14487

Ion	Ratio	Lower	Upper
95	100		
130	92.9	76.2	114.2
132	95.6	75.4	113.2

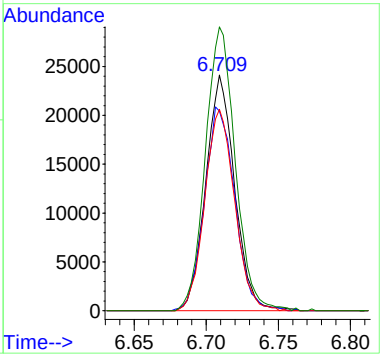




#59
TETRACHLOROETHENE
Concen: 26.78 UG/L
RT: 6.709 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VB231023.D
Acq: 19 Aug 2013 8:04 pm

Tgt Ion:164 Resp: 33666

Ion	Ratio	Lower	Upper
164	100		
129	90.8	71.8	107.8
131	88.3	70.7	106.1
166	124.7	100.6	151.0



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1 - FORM I
ANALYSIS DATA SHEET

TB-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-09	File ID:	VB233018.D
Sampled:	08/13/13 15:45	Prepared:	08/16/13 08:35	Analyzed:	08/21/13 13:44
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	V-16
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

TB-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-09	File ID:	VB233018.D
Sampled:	08/13/13 15:45	Prepared:	08/16/13 08:35	Analyzed:	08/21/13 13:44
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	V-05, V-16
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

TB-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-09	File ID:	VB233018.D
Sampled:	08/13/13 15:45	Prepared:	08/16/13 08:35	Analyzed:	08/21/13 13:44
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	V-05
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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1 - FORM I
ANALYSIS DATA SHEET

TB-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-09	File ID:	VB233018.D
Sampled:	08/13/13 15:45	Prepared:	08/16/13 08:35	Analyzed:	08/21/13 13:44
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\082113\VB233018.D Vial: 18
Acq On : 21 Aug 2013 1:44 pm Operator:
Sample : 13H0490-09 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 22 16:19:15 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0813W13.M

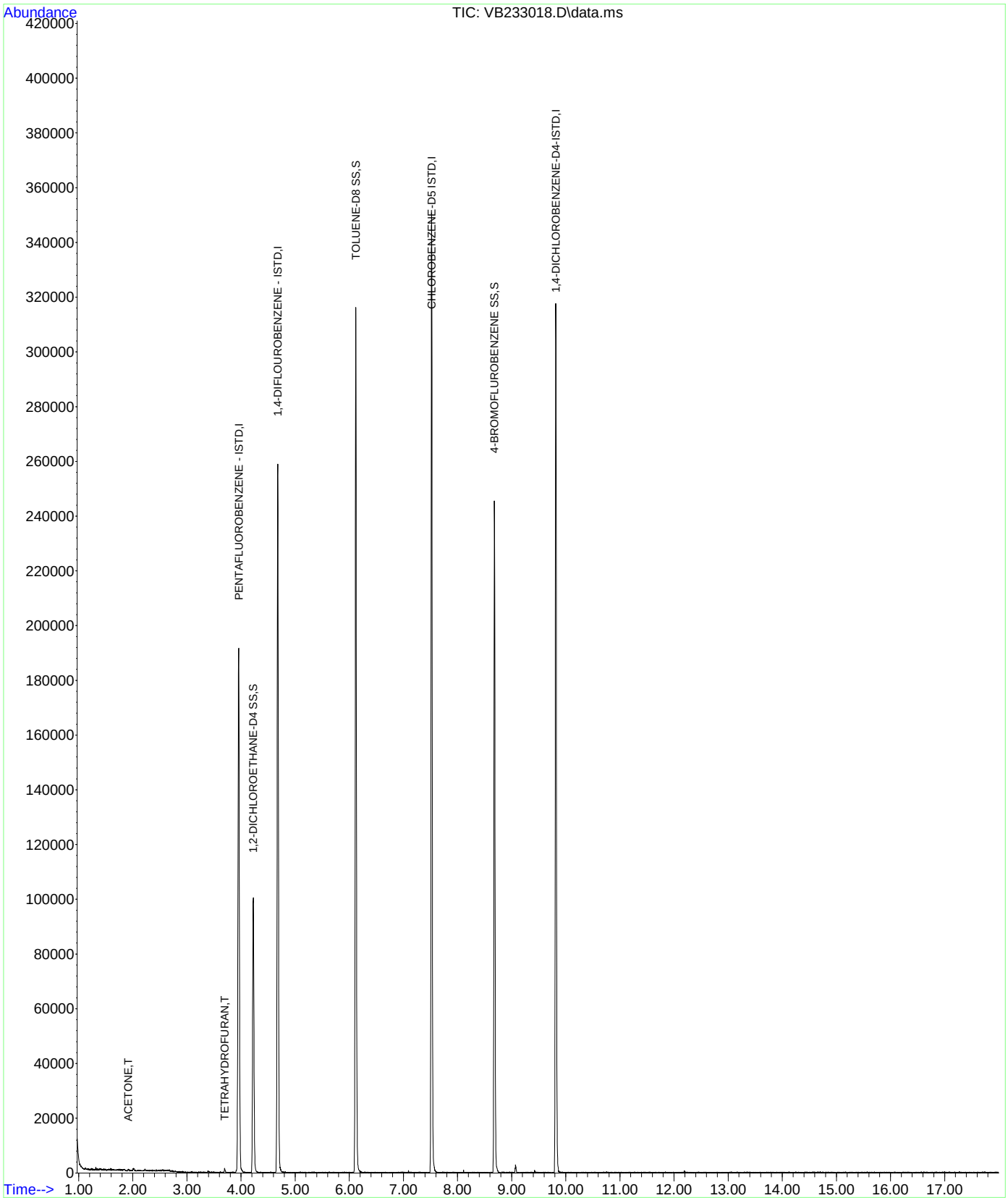
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	3.957	168	117864	30.00	UG/L	0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	172339	30.00	UG/L	0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	93278	30.00	UG/L	0.00
82) 1,4-DICHLOROBENZENE-D4...	9.819	152	72680	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	70066	26.59	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.36%			
43) TOLUENE-D8 SS	6.121	98	174768	24.72	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.88%			
64) 4-BROMOFLUROBENZENE SS	8.681	95	69736	23.92	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.68%			
Target Compounds						Qvalue
14) ACETONE	1.916	43	607	1.111	UG/L #	46
34) TETRAHYDROFURAN	3.697	42	710	1.433	UG/L #	28

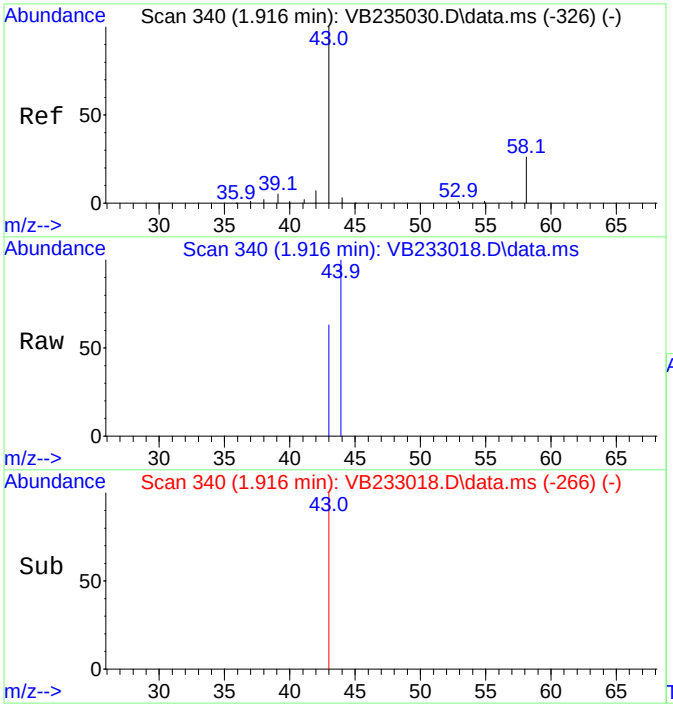
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : W:\DATA\082113\VB233018.D
Acq On : 21 Aug 2013 1:44 pm
Sample : 13H0490-09
InstName : GCMSVOA2
Misc :
Quant Time: Aug 22 16:19:15 2013

Vial: 18
Operator:
Inst : GCMSVOA2
Multiplr: 1.00

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 11:51:34 2013
Response via : Initial Calibration
DataAcq Meth:B0813W13.M

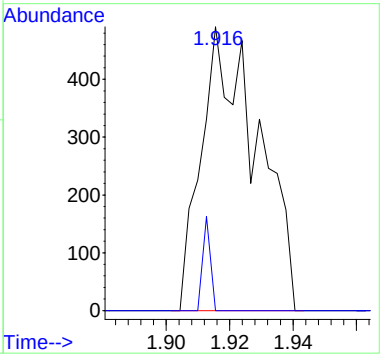


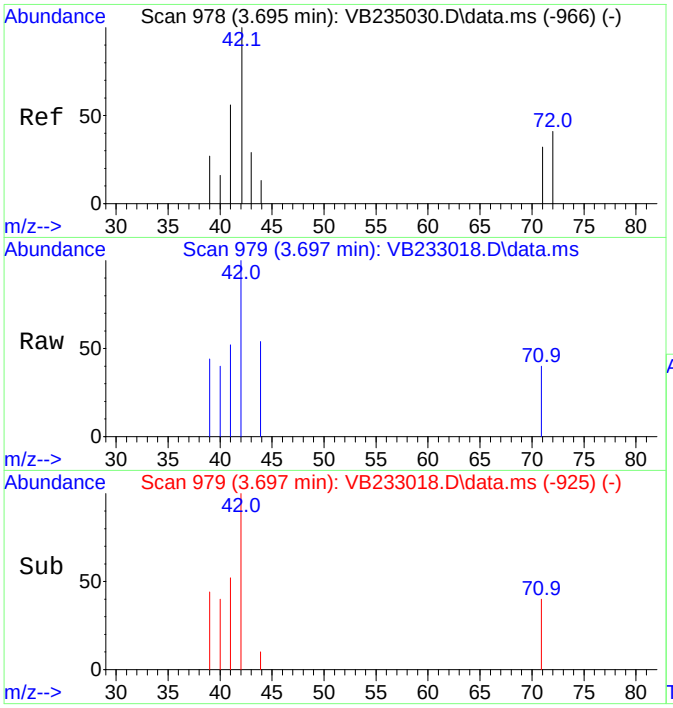


#14
ACETONE
Concen: 1.11 UG/L
RT: 1.916 min Scan# 340
Delta R.T. -0.006 min
Lab File: VB233018.D
Acq: 21 Aug 2013 1:44 pm

Tgt Ion: 43 Resp: 607

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.2	34.8#

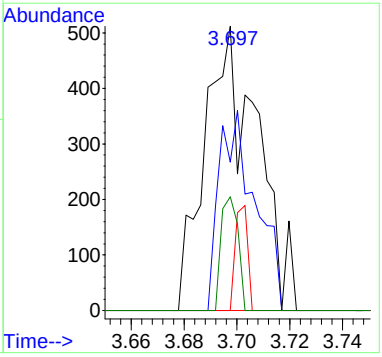




#34
TETRAHYDROFURAN
Concen: 1.43 UG/L
RT: 3.697 min Scan# 979
Delta R.T. 0.000 min
Lab File: VB233018.D
Acq: 21 Aug 2013 1:44 pm

Tgt Ion: 42 Resp: 710

Ion	Ratio	Lower	Upper
42	100		
41	0.0	47.4	71.2#
72	0.0	36.4	54.6#
71	0.0	32.2	48.2#



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VOLATILES QC SUMMARY

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2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Instrument:	GCMSVOA2

	1,2-DCA-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
13H0490-01	106	93.6	97.4
13H0490-02	106	95.2	100
13H0490-03	106	104	100
13H0490-04	106	94.6	97.9
13H0490-07	103	94.9	99.4
13H0490-08	106	93.8	98.9
B078839-BLK1	103	95.2	99.3
B078839-BS1	102	98.4	100
B078839-BSD1	102	100	99.8

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2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Instrument:	GCMSVOA2

	1,2-DCA-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
13H0490-05	101	93.1	98.7
13H0490-06	100	95.1	98.1
B078920-BLK1	101	93.7	99.0
B078920-BS1	99.6	101	101
B078920-BSD1	98.8	99.8	101

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2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Instrument:	GCMSVOA2

	1,2-DCA-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
13H0490-09	106	95.7	98.9
B079026-BLK1	108	93.3	99.5
B079026-BS1	106	99.4	102
B079026-BSD1	107	99.5	102

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078839	Laboratory ID:	B078839-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	102	102		70 - 160
Acrylonitrile	10.0	8.96	89.6		70 - 130
tert-Amyl Methyl Ether (TAME)	10.0	11.4	114		70 - 130
Benzene	10.0	9.81	98.1		70 - 130
Bromobenzene	10.0	10.2	102		70 - 130
Bromochloromethane	10.0	10.6	106		70 - 130
Bromodichloromethane	10.0	10.7	107		70 - 130
Bromoform	10.0	10.3	103		70 - 130
Bromomethane	10.0	3.31	33.1	*	40 - 160
2-Butanone (MEK)	100	101	101		40 - 160
tert-Butyl Alcohol (TBA)	100	90.9	90.9		40 - 160
n-Butylbenzene	10.0	9.46	94.6		70 - 130
sec-Butylbenzene	10.0	11.1	111		70 - 130
tert-Butylbenzene	10.0	10.7	107		70 - 130
tert-Butyl Ethyl Ether (TBEE)	10.0	11.7	117		70 - 130
Carbon Disulfide	10.0	9.76	97.6		70 - 130
Carbon Tetrachloride	10.0	10.3	103		70 - 130
Chlorobenzene	10.0	10.1	101		70 - 130
Chlorodibromomethane	10.0	9.80	98.0		70 - 130
Chloroethane	10.0	10.8	108		70 - 130
Chloroform	10.0	10.9	109		70 - 130
Chloromethane	10.0	7.33	73.3		40 - 160
2-Chlorotoluene	10.0	10.2	102		70 - 130
4-Chlorotoluene	10.0	10.8	108		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	10.6	106		70 - 130
1,2-Dibromoethane (EDB)	10.0	10.8	108		70 - 130
Dibromomethane	10.0	10.9	109		70 - 130
1,2-Dichlorobenzene	10.0	10.6	106		70 - 130
1,3-Dichlorobenzene	10.0	10.3	103		70 - 130
1,4-Dichlorobenzene	10.0	10.4	104		70 - 130
trans-1,4-Dichloro-2-butene	10.0	10.0	100		70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078839	Laboratory ID:	B078839-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Dichlorodifluoromethane (Freon 12)	10.0	7.62	76.2	40 - 160
1,1-Dichloroethane	10.0	10.9	109	70 - 130
1,2-Dichloroethane	10.0	11.1	111	70 - 130
1,1-Dichloroethylene	10.0	11.1	111	70 - 130
cis-1,2-Dichloroethylene	10.0	10.9	109	70 - 130
trans-1,2-Dichloroethylene	10.0	10.2	102	70 - 130
1,2-Dichloropropane	10.0	11.0	110	70 - 130
1,3-Dichloropropane	10.0	11.0	110	70 - 130
2,2-Dichloropropane	10.0	12.5	125	40 - 130
1,1-Dichloropropene	10.0	10.7	107	70 - 130
cis-1,3-Dichloropropene	10.0	9.92	99.2	70 - 130
trans-1,3-Dichloropropene	10.0	10.4	104	70 - 130
Diethyl Ether	10.0	10.3	103	70 - 130
Diisopropyl Ether (DIPE)	10.0	11.7	117	70 - 130
1,4-Dioxane	100	83.6	83.6	40 - 130
Ethylbenzene	10.0	10.4	104	70 - 130
Hexachlorobutadiene	10.0	10.8	108	70 - 130
2-Hexanone (MBK)	100	105	105	70 - 160
Isopropylbenzene (Cumene)	10.0	10.6	106	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	11.4	114	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.5	115	70 - 130
Methylene Chloride	10.0	11.4	114	70 - 130
4-Methyl-2-pentanone (MIBK)	100	105	105	70 - 160
Naphthalene	10.0	11.2	112	40 - 130
n-Propylbenzene	10.0	10.9	109	70 - 130
Styrene	10.0	10.9	109	70 - 130
1,1,1,2-Tetrachloroethane	10.0	10.3	103	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.4	104	70 - 130
Tetrachloroethylene	10.0	10.9	109	70 - 130
Tetrahydrofuran	10.0	10.7	107	70 - 130
Toluene	10.0	10.2	102	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078839	Laboratory ID:	B078839-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
1,2,3-Trichlorobenzene	10.0	10.6	106	70 - 130
1,2,4-Trichlorobenzene	10.0	10.4	104	70 - 130
1,3,5-Trichlorobenzene	10.0	9.12	91.2	70 - 130
1,1,1-Trichloroethane	10.0	11.0	110	70 - 130
1,1,2-Trichloroethane	10.0	10.6	106	70 - 130
Trichloroethylene	10.0	10.5	105	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	11.4	114	70 - 130
1,2,3-Trichloropropane	10.0	10.4	104	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	12.2	122	70 - 130
1,2,4-Trimethylbenzene	10.0	11.0	110	70 - 130
1,3,5-Trimethylbenzene	10.0	10.7	107	70 - 130
Vinyl Chloride	10.0	8.58	85.8	40 - 160
m+p Xylene	20.0	21.3	106	70 - 130
o-Xylene	10.0	10.6	106	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	103	103	1.26	25	70 - 160
Acrylonitrile	10.0	9.04	90.4	0.889	25	70 - 130
tert-Amyl Methyl Ether (TAME)	10.0	11.6	116	1.48	25	70 - 130
Benzene	10.0	9.86	98.6	0.508	25	70 - 130
Bromobenzene	10.0	10.4	104	2.43	25	70 - 130
Bromochloromethane	10.0	11.1	111	3.96	25	70 - 130
Bromodichloromethane	10.0	10.8	108	0.650	25	70 - 130
Bromoform	10.0	10.4	104	1.35	25	70 - 130
Bromomethane	10.0	5.67	56.7	52.6	25	40 - 160
2-Butanone (MEK)	100	99.2	99.2	1.51	25	40 - 160
tert-Butyl Alcohol (TBA)	100	91.5	91.5	0.713	25	40 - 160
n-Butylbenzene	10.0	9.57	95.7	1.16	25	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078839	Laboratory ID:	B078839-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
sec-Butylbenzene	10.0	11.2	112	0.540	25	70 - 130
tert-Butylbenzene	10.0	10.9	109	2.04	25	70 - 130
tert-Butyl Ethyl Ether (TBEE)	10.0	11.7	117	0.684	25	70 - 130
Carbon Disulfide	10.0	9.50	95.0	2.70	25	70 - 130
Carbon Tetrachloride	10.0	10.2	102	0.195	25	70 - 130
Chlorobenzene	10.0	10.2	102	1.18	25	70 - 130
Chlorodibromomethane	10.0	9.78	97.8	0.204	25	70 - 130
Chloroethane	10.0	10.9	109	0.735	25	70 - 130
Chloroform	10.0	10.9	109	0.00	25	70 - 130
Chloromethane	10.0	7.45	74.5	1.62	25	40 - 160
2-Chlorotoluene	10.0	10.8	108	5.34	25	70 - 130
4-Chlorotoluene	10.0	11.1	111	2.92	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	11.1	111	4.05	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.8	108	0.649	25	70 - 130
Dibromomethane	10.0	11.0	110	0.365	25	70 - 130
1,2-Dichlorobenzene	10.0	10.5	105	0.665	25	70 - 130
1,3-Dichlorobenzene	10.0	10.5	105	1.92	25	70 - 130
1,4-Dichlorobenzene	10.0	10.6	106	2.28	25	70 - 130
trans-1,4-Dichloro-2-butene	10.0	10.5	105	5.26	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	7.42	74.2	2.66	25	40 - 160
1,1-Dichloroethane	10.0	11.0	110	0.731	25	70 - 130
1,2-Dichloroethane	10.0	10.9	109	1.18	25	70 - 130
1,1-Dichloroethylene	10.0	11.2	112	1.26	25	70 - 130
cis-1,2-Dichloroethylene	10.0	10.8	108	1.11	25	70 - 130
trans-1,2-Dichloroethylene	10.0	10.3	103	1.56	25	70 - 130
1,2-Dichloropropane	10.0	10.8	108	1.47	25	70 - 130
1,3-Dichloropropane	10.0	11.0	110	0.0911	25	70 - 130
2,2-Dichloropropane	10.0	12.4	124	1.12	25	40 - 130
1,1-Dichloropropene	10.0	10.7	107	0.0937	25	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078839	Laboratory ID:	B078839-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
cis-1,3-Dichloropropene	10.0	9.87	98.7	0.505	25	70 - 130
trans-1,3-Dichloropropene	10.0	10.1	101	2.64	25	70 - 130
Diethyl Ether	10.0	10.5	105	1.63	25	70 - 130
Diisopropyl Ether (DIPE)	10.0	11.9	119	1.27	25	70 - 130
1,4-Dioxane	100	84.0	84.0	0.501	50	40 - 130
Ethylbenzene	10.0	10.6	106	1.24	25	70 - 130
Hexachlorobutadiene	10.0	11.3	113	4.08	25	70 - 130
2-Hexanone (MBK)	100	106	106	1.00	25	70 - 160
Isopropylbenzene (Cumene)	10.0	11.0	110	3.25	25	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	11.4	114	0.526	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.7	117	1.56	25	70 - 130
Methylene Chloride	10.0	11.7	117	2.86	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	106	106	1.45	25	70 - 160
Naphthalene	10.0	11.4	114	1.15	25	40 - 130
n-Propylbenzene	10.0	11.2	112	3.35	25	70 - 130
Styrene	10.0	11.1	111	2.37	25	70 - 130
1,1,1,2-Tetrachloroethane	10.0	10.4	104	1.54	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.8	108	3.40	25	70 - 130
Tetrachloroethylene	10.0	11.0	110	1.01	25	70 - 130
Tetrahydrofuran	10.0	10.5	105	1.88	25	70 - 130
Toluene	10.0	10.2	102	0.00	25	70 - 130
1,2,3-Trichlorobenzene	10.0	10.8	108	2.43	25	70 - 130
1,2,4-Trichlorobenzene	10.0	10.8	108	3.77	25	70 - 130
1,3,5-Trichlorobenzene	10.0	9.38	93.8	2.81	25	70 - 130
1,1,1-Trichloroethane	10.0	10.9	109	1.01	25	70 - 130
1,1,2-Trichloroethane	10.0	10.8	108	1.03	25	70 - 130
Trichloroethylene	10.0	10.2	102	2.51	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	11.1	111	2.39	25	70 - 130
1,2,3-Trichloropropane	10.0	10.7	107	3.70	25	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078839	Laboratory ID:	B078839-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	12.2	122	0.328	25	70 - 130
1,2,4-Trimethylbenzene	10.0	11.2	112	1.81	25	70 - 130
1,3,5-Trimethylbenzene	10.0	11.0	110	2.21	25	70 - 130
Vinyl Chloride	10.0	8.18	81.8	4.77	25	40 - 160
m+p Xylene	20.0	21.4	107	0.702	25	70 - 130
o-Xylene	10.0	10.9	109	2.14	25	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078920	Laboratory ID:	B078920-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acetone	100	102	102	70 - 160
Acrylonitrile	10.0	8.87	88.7	70 - 130
tert-Amyl Methyl Ether (TAME)	10.0	10.7	107	70 - 130
Benzene	10.0	9.96	99.6	70 - 130
Bromobenzene	10.0	10.4	104	70 - 130
Bromochloromethane	10.0	10.8	108	70 - 130
Bromodichloromethane	10.0	10.1	101	70 - 130
Bromoform	10.0	9.70	97.0	70 - 130
Bromomethane	10.0	4.19	41.9	40 - 160
2-Butanone (MEK)	100	98.8	98.8	40 - 160
tert-Butyl Alcohol (TBA)	100	91.0	91.0	40 - 160
n-Butylbenzene	10.0	9.13	91.3	70 - 130
sec-Butylbenzene	10.0	10.8	108	70 - 130
tert-Butylbenzene	10.0	10.5	105	70 - 130
tert-Butyl Ethyl Ether (TBEE)	10.0	11.0	110	70 - 130
Carbon Disulfide	10.0	10.8	108	70 - 130
Carbon Tetrachloride	10.0	9.23	92.3	70 - 130
Chlorobenzene	10.0	10.3	103	70 - 130
Chlorodibromomethane	10.0	9.11	91.1	70 - 130
Chloroethane	10.0	11.5	115	70 - 130
Chloroform	10.0	10.7	107	70 - 130
Chloromethane	10.0	8.15	81.5	40 - 160
2-Chlorotoluene	10.0	10.3	103	70 - 130
4-Chlorotoluene	10.0	10.8	108	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	10.5	105	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.8	108	70 - 130
Dibromomethane	10.0	10.6	106	70 - 130
1,2-Dichlorobenzene	10.0	10.3	103	70 - 130
1,3-Dichlorobenzene	10.0	10.4	104	70 - 130
1,4-Dichlorobenzene	10.0	10.5	105	70 - 130
trans-1,4-Dichloro-2-butene	10.0	8.91	89.1	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078920	Laboratory ID:	B078920-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Dichlorodifluoromethane (Freon 12)	10.0	7.88	78.8	40 - 160
1,1-Dichloroethane	10.0	10.7	107	70 - 130
1,2-Dichloroethane	10.0	10.8	108	70 - 130
1,1-Dichloroethylene	10.0	11.3	113	70 - 130
cis-1,2-Dichloroethylene	10.0	10.4	104	70 - 130
trans-1,2-Dichloroethylene	10.0	10.4	104	70 - 130
1,2-Dichloropropane	10.0	10.6	106	70 - 130
1,3-Dichloropropane	10.0	10.8	108	70 - 130
2,2-Dichloropropane	10.0	8.87	88.7	40 - 130
1,1-Dichloropropene	10.0	10.7	107	70 - 130
cis-1,3-Dichloropropene	10.0	8.89	88.9	70 - 130
trans-1,3-Dichloropropene	10.0	8.79	87.9	70 - 130
Diethyl Ether	10.0	10.3	103	70 - 130
Diisopropyl Ether (DIPE)	10.0	11.5	115	70 - 130
1,4-Dioxane	100	93.7	93.7	40 - 130
Ethylbenzene	10.0	10.5	105	70 - 130
Hexachlorobutadiene	10.0	10.5	105	70 - 130
2-Hexanone (MBK)	100	102	102	70 - 160
Isopropylbenzene (Cumene)	10.0	10.7	107	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	11.0	110	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.7	107	70 - 130
Methylene Chloride	10.0	11.8	118	70 - 130
4-Methyl-2-pentanone (MIBK)	100	102	102	70 - 160
Naphthalene	10.0	11.5	115	40 - 130
n-Propylbenzene	10.0	10.7	107	70 - 130
Styrene	10.0	11.0	110	70 - 130
1,1,1,2-Tetrachloroethane	10.0	9.88	98.8	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.6	106	70 - 130
Tetrachloroethylene	10.0	10.9	109	70 - 130
Tetrahydrofuran	10.0	10.5	105	70 - 130
Toluene	10.0	10.1	101	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078920	Laboratory ID:	B078920-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
1,2,3-Trichlorobenzene	10.0	11.0	110	70 - 130
1,2,4-Trichlorobenzene	10.0	10.7	107	70 - 130
1,3,5-Trichlorobenzene	10.0	9.24	92.4	70 - 130
1,1,1-Trichloroethane	10.0	10.2	102	70 - 130
1,1,2-Trichloroethane	10.0	10.4	104	70 - 130
Trichloroethylene	10.0	10.3	103	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	10.9	109	70 - 130
1,2,3-Trichloropropane	10.0	10.7	107	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.6	116	70 - 130
1,2,4-Trimethylbenzene	10.0	10.9	109	70 - 130
1,3,5-Trimethylbenzene	10.0	10.7	107	70 - 130
Vinyl Chloride	10.0	9.04	90.4	40 - 160
m+p Xylene	20.0	21.2	106	70 - 130
o-Xylene	10.0	10.7	107	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	93.0	93.0	9.60	25	70 - 160
Acrylonitrile	10.0	8.84	88.4	0.339	25	70 - 130
tert-Amyl Methyl Ether (TAME)	10.0	10.4	104	2.36	25	70 - 130
Benzene	10.0	9.98	99.8	0.201	25	70 - 130
Bromobenzene	10.0	10.1	101	2.92	25	70 - 130
Bromochloromethane	10.0	10.9	109	1.20	25	70 - 130
Bromodichloromethane	10.0	10.0	100	0.598	25	70 - 130
Bromoform	10.0	9.42	94.2	2.93	25	70 - 130
Bromomethane	10.0	6.48	64.8	42.9	25	40 - 160
2-Butanone (MEK)	100	89.3	89.3	10.2	25	40 - 160
tert-Butyl Alcohol (TBA)	100	81.8	81.8	10.7	25	40 - 160
n-Butylbenzene	10.0	8.98	89.8	1.66	25	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078920	Laboratory ID:	B078920-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
sec-Butylbenzene	10.0	11.0	110	1.93	25	70 - 130
tert-Butylbenzene	10.0	10.7	107	2.55	25	70 - 130
tert-Butyl Ethyl Ether (TBEE)	10.0	11.0	110	0.272	25	70 - 130
Carbon Disulfide	10.0	11.0	110	2.01	25	70 - 130
Carbon Tetrachloride	10.0	9.68	96.8	4.76	25	70 - 130
Chlorobenzene	10.0	10.2	102	1.66	25	70 - 130
Chlorodibromomethane	10.0	9.13	91.3	0.219	25	70 - 130
Chloroethane	10.0	12.0	120	4.35	25	70 - 130
Chloroform	10.0	10.6	106	1.22	25	70 - 130
Chloromethane	10.0	8.61	86.1	5.49	25	40 - 160
2-Chlorotoluene	10.0	10.3	103	0.0973	25	70 - 130
4-Chlorotoluene	10.0	10.7	107	0.934	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.76	97.6	7.50	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.4	104	3.11	25	70 - 130
Dibromomethane	10.0	10.7	107	0.469	25	70 - 130
1,2-Dichlorobenzene	10.0	10.3	103	0.388	25	70 - 130
1,3-Dichlorobenzene	10.0	10.4	104	0.00	25	70 - 130
1,4-Dichlorobenzene	10.0	10.3	103	1.83	25	70 - 130
trans-1,4-Dichloro-2-butene	10.0	8.19	81.9	8.42	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	8.09	80.9	2.63	25	40 - 160
1,1-Dichloroethane	10.0	10.7	107	0.0932	25	70 - 130
1,2-Dichloroethane	10.0	10.7	107	0.841	25	70 - 130
1,1-Dichloroethylene	10.0	11.7	117	3.38	25	70 - 130
cis-1,2-Dichloroethylene	10.0	10.4	104	0.192	25	70 - 130
trans-1,2-Dichloroethylene	10.0	10.8	108	4.05	25	70 - 130
1,2-Dichloropropane	10.0	10.8	108	1.68	25	70 - 130
1,3-Dichloropropane	10.0	10.5	105	2.91	25	70 - 130
2,2-Dichloropropane	10.0	9.19	91.9	3.54	25	40 - 130
1,1-Dichloropropene	10.0	10.9	109	2.41	25	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078920	Laboratory ID:	B078920-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
cis-1,3-Dichloropropene	10.0	9.00	90.0	1.23	25	70 - 130
trans-1,3-Dichloropropene	10.0	8.88	88.8	1.02	25	70 - 130
Diethyl Ether	10.0	10.4	104	1.16	25	70 - 130
Diisopropyl Ether (DIPE)	10.0	11.7	117	1.81	25	70 - 130
1,4-Dioxane	100	80.2	80.2	15.5	50	40 - 130
Ethylbenzene	10.0	10.4	104	0.859	25	70 - 130
Hexachlorobutadiene	10.0	10.2	102	2.60	25	70 - 130
2-Hexanone (MBK)	100	91.4	91.4	11.2	25	70 - 160
Isopropylbenzene (Cumene)	10.0	10.7	107	0.00	25	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	11.1	111	1.36	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.9	109	1.76	25	70 - 130
Methylene Chloride	10.0	12.0	120	2.18	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	95.3	95.3	6.42	25	70 - 160
Naphthalene	10.0	11.1	111	3.36	25	40 - 130
n-Propylbenzene	10.0	10.9	109	1.48	25	70 - 130
Styrene	10.0	11.0	110	0.454	25	70 - 130
1,1,1,2-Tetrachloroethane	10.0	9.81	98.1	0.711	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.78	97.8	7.67	25	70 - 130
Tetrachloroethylene	10.0	11.0	110	1.18	25	70 - 130
Tetrahydrofuran	10.0	9.45	94.5	10.6	25	70 - 130
Toluene	10.0	10.2	102	1.08	25	70 - 130
1,2,3-Trichlorobenzene	10.0	10.5	105	5.11	25	70 - 130
1,2,4-Trichlorobenzene	10.0	10.2	102	4.58	25	70 - 130
1,3,5-Trichlorobenzene	10.0	8.79	87.9	4.99	25	70 - 130
1,1,1-Trichloroethane	10.0	10.3	103	0.780	25	70 - 130
1,1,2-Trichloroethane	10.0	10.3	103	0.290	25	70 - 130
Trichloroethylene	10.0	10.2	102	0.293	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	11.5	115	5.53	25	70 - 130
1,2,3-Trichloropropane	10.0	10.0	100	6.37	25	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B078920	Laboratory ID:	B078920-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	12.1	121	4.39	25	70 - 130
1,2,4-Trimethylbenzene	10.0	11.0	110	0.457	25	70 - 130
1,3,5-Trimethylbenzene	10.0	10.7	107	0.187	25	70 - 130
Vinyl Chloride	10.0	9.48	94.8	4.75	25	40 - 160
m+p Xylene	20.0	21.0	105	0.851	25	70 - 130
o-Xylene	10.0	10.6	106	1.13	25	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B079026	Laboratory ID:	B079026-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acetone	100	78.5	78.5	70 - 160
Acrylonitrile	10.0	9.50	95.0	70 - 130
tert-Amyl Methyl Ether (TAME)	10.0	9.75	97.5	70 - 130
Benzene	10.0	9.69	96.9	70 - 130
Bromobenzene	10.0	9.81	98.1	70 - 130
Bromochloromethane	10.0	10.6	106	70 - 130
Bromodichloromethane	10.0	10.7	107	70 - 130
Bromoform	10.0	9.40	94.0	70 - 130
Bromomethane	10.0	5.77	57.7	40 - 160
2-Butanone (MEK)	100	81.7	81.7	40 - 160
tert-Butyl Alcohol (TBA)	100	76.7	76.7	40 - 160
n-Butylbenzene	10.0	8.60	86.0	70 - 130
sec-Butylbenzene	10.0	10.9	109	70 - 130
tert-Butylbenzene	10.0	10.6	106	70 - 130
tert-Butyl Ethyl Ether (TBEE)	10.0	10.3	103	70 - 130
Carbon Disulfide	10.0	10.2	102	70 - 130
Carbon Tetrachloride	10.0	10.3	103	70 - 130
Chlorobenzene	10.0	9.70	97.0	70 - 130
Chlorodibromomethane	10.0	9.47	94.7	70 - 130
Chloroethane	10.0	11.3	113	70 - 130
Chloroform	10.0	11.0	110	70 - 130
Chloromethane	10.0	7.89	78.9	40 - 160
2-Chlorotoluene	10.0	9.93	99.3	70 - 130
4-Chlorotoluene	10.0	10.4	104	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.79	87.9	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.3	103	70 - 130
Dibromomethane	10.0	11.0	110	70 - 130
1,2-Dichlorobenzene	10.0	9.71	97.1	70 - 130
1,3-Dichlorobenzene	10.0	10.0	100	70 - 130
1,4-Dichlorobenzene	10.0	9.87	98.7	70 - 130
trans-1,4-Dichloro-2-butene	10.0	8.45	84.5	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B079026	Laboratory ID:	B079026-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Dichlorodifluoromethane (Freon 12)	10.0	7.57	75.7	40 - 160
1,1-Dichloroethane	10.0	10.8	108	70 - 130
1,2-Dichloroethane	10.0	11.3	113	70 - 130
1,1-Dichloroethylene	10.0	11.3	113	70 - 130
cis-1,2-Dichloroethylene	10.0	10.9	109	70 - 130
trans-1,2-Dichloroethylene	10.0	12.1	121	70 - 130
1,2-Dichloropropane	10.0	10.4	104	70 - 130
1,3-Dichloropropane	10.0	10.3	103	70 - 130
2,2-Dichloropropane	10.0	11.6	116	40 - 130
1,1-Dichloropropene	10.0	11.0	110	70 - 130
cis-1,3-Dichloropropene	10.0	9.07	90.7	70 - 130
trans-1,3-Dichloropropene	10.0	9.03	90.3	70 - 130
Diethyl Ether	10.0	9.50	95.0	70 - 130
Diisopropyl Ether (DIPE)	10.0	11.2	112	70 - 130
1,4-Dioxane	100	75.3	75.3	40 - 130
Ethylbenzene	10.0	10.1	101	70 - 130
Hexachlorobutadiene	10.0	9.46	94.6	70 - 130
2-Hexanone (MBK)	100	84.0	84.0	70 - 160
Isopropylbenzene (Cumene)	10.0	10.2	102	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	11.0	110	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.0	110	70 - 130
Methylene Chloride	10.0	11.5	115	70 - 130
4-Methyl-2-pentanone (MIBK)	100	88.4	88.4	70 - 160
Naphthalene	10.0	10.4	104	40 - 130
n-Propylbenzene	10.0	10.3	103	70 - 130
Styrene	10.0	10.2	102	70 - 130
1,1,1,2-Tetrachloroethane	10.0	9.82	98.2	70 - 130
1,1,2,2-Tetrachloroethane	10.0	8.74	87.4	70 - 130
Tetrachloroethylene	10.0	11.1	111	70 - 130
Tetrahydrofuran	10.0	8.21	82.1	70 - 130
Toluene	10.0	10.1	101	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B079026	Laboratory ID:	B079026-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
1,2,3-Trichlorobenzene	10.0	9.59	95.9	70 - 130
1,2,4-Trichlorobenzene	10.0	9.22	92.2	70 - 130
1,3,5-Trichlorobenzene	10.0	7.29	72.9	70 - 130
1,1,1-Trichloroethane	10.0	10.8	108	70 - 130
1,1,2-Trichloroethane	10.0	9.98	99.8	70 - 130
Trichloroethylene	10.0	10.4	104	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	11.6	116	70 - 130
1,2,3-Trichloropropane	10.0	9.13	91.3	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.2	112	70 - 130
1,2,4-Trimethylbenzene	10.0	11.1	111	70 - 130
1,3,5-Trimethylbenzene	10.0	10.5	105	70 - 130
Vinyl Chloride	10.0	8.53	85.3	40 - 160
m+p Xylene	20.0	20.7	103	70 - 130
o-Xylene	10.0	10.3	103	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	82.4	82.4	4.77	25	70 - 160
Acrylonitrile	10.0	9.93	99.3	4.43	25	70 - 130
tert-Amyl Methyl Ether (TAME)	10.0	9.67	96.7	0.824	25	70 - 130
Benzene	10.0	9.48	94.8	2.19	25	70 - 130
Bromobenzene	10.0	9.50	95.0	3.21	25	70 - 130
Bromochloromethane	10.0	10.3	103	3.26	25	70 - 130
Bromodichloromethane	10.0	10.2	102	4.89	25	70 - 130
Bromoform	10.0	9.19	91.9	2.26	25	70 - 130
Bromomethane	10.0	6.64	66.4	14.0	25	40 - 160
2-Butanone (MEK)	100	85.4	85.4	4.42	25	40 - 160
tert-Butyl Alcohol (TBA)	100	77.9	77.9	1.60	25	40 - 160
n-Butylbenzene	10.0	8.46	84.6	1.64	25	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B079026	Laboratory ID:	B079026-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
sec-Butylbenzene	10.0	10.4	104	4.80	25	70 - 130
tert-Butylbenzene	10.0	10.2	102	3.66	25	70 - 130
tert-Butyl Ethyl Ether (TBEE)	10.0	10.2	102	0.293	25	70 - 130
Carbon Disulfide	10.0	9.54	95.4	7.08	25	70 - 130
Carbon Tetrachloride	10.0	9.91	99.1	3.67	25	70 - 130
Chlorobenzene	10.0	9.44	94.4	2.72	25	70 - 130
Chlorodibromomethane	10.0	9.21	92.1	2.78	25	70 - 130
Chloroethane	10.0	10.2	102	10.3	25	70 - 130
Chloroform	10.0	10.4	104	5.14	25	70 - 130
Chloromethane	10.0	7.67	76.7	2.83	25	40 - 160
2-Chlorotoluene	10.0	9.62	96.2	3.17	25	70 - 130
4-Chlorotoluene	10.0	10.1	101	3.12	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.99	89.9	2.25	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.0	100	2.85	25	70 - 130
Dibromomethane	10.0	10.6	106	4.08	25	70 - 130
1,2-Dichlorobenzene	10.0	9.71	97.1	0.00	25	70 - 130
1,3-Dichlorobenzene	10.0	9.98	99.8	0.400	25	70 - 130
1,4-Dichlorobenzene	10.0	9.87	98.7	0.00	25	70 - 130
trans-1,4-Dichloro-2-butene	10.0	8.44	84.4	0.118	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	7.03	70.3	7.40	25	40 - 160
1,1-Dichloroethane	10.0	10.4	104	3.21	25	70 - 130
1,2-Dichloroethane	10.0	11.3	113	0.443	25	70 - 130
1,1-Dichloroethylene	10.0	10.8	108	4.97	25	70 - 130
cis-1,2-Dichloroethylene	10.0	10.5	105	4.12	25	70 - 130
trans-1,2-Dichloroethylene	10.0	11.6	116	3.71	25	70 - 130
1,2-Dichloropropane	10.0	10.0	100	3.44	25	70 - 130
1,3-Dichloropropane	10.0	10.2	102	0.586	25	70 - 130
2,2-Dichloropropane	10.0	10.8	108	7.57	25	40 - 130
1,1-Dichloropropene	10.0	10.4	104	5.71	25	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B079026	Laboratory ID:	B079026-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
cis-1,3-Dichloropropene	10.0	8.81	88.1	2.91	25	70 - 130
trans-1,3-Dichloropropene	10.0	8.88	88.8	1.68	25	70 - 130
Diethyl Ether	10.0	9.30	93.0	2.13	25	70 - 130
Diisopropyl Ether (DIPE)	10.0	10.9	109	2.99	25	70 - 130
1,4-Dioxane	100	64.4	64.4	15.6	50	40 - 130
Ethylbenzene	10.0	9.66	96.6	4.35	25	70 - 130
Hexachlorobutadiene	10.0	9.49	94.9	0.317	25	70 - 130
2-Hexanone (MBK)	100	87.4	87.4	3.98	25	70 - 160
Isopropylbenzene (Cumene)	10.0	9.81	98.1	4.29	25	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	10.7	107	2.67	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	11.1	111	0.633	25	70 - 130
Methylene Chloride	10.0	10.8	108	5.64	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	91.4	91.4	3.32	25	70 - 160
Naphthalene	10.0	10.5	105	0.953	25	40 - 130
n-Propylbenzene	10.0	10.1	101	1.67	25	70 - 130
Styrene	10.0	10.1	101	1.38	25	70 - 130
1,1,1,2-Tetrachloroethane	10.0	9.44	94.4	3.95	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	8.94	89.4	2.26	25	70 - 130
Tetrachloroethylene	10.0	10.6	106	5.25	25	70 - 130
Tetrahydrofuran	10.0	8.96	89.6	8.74	25	70 - 130
Toluene	10.0	9.71	97.1	4.14	25	70 - 130
1,2,3-Trichlorobenzene	10.0	9.78	97.8	1.96	25	70 - 130
1,2,4-Trichlorobenzene	10.0	9.43	94.3	2.25	25	70 - 130
1,3,5-Trichlorobenzene	10.0	7.62	76.2	4.43	25	70 - 130
1,1,1-Trichloroethane	10.0	10.2	102	5.43	25	70 - 130
1,1,2-Trichloroethane	10.0	10.1	101	0.997	25	70 - 130
Trichloroethylene	10.0	10.1	101	2.93	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	10.4	104	11.3	25	70 - 130
1,2,3-Trichloropropane	10.0	9.39	93.9	2.81	25	70 - 130

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B079026	Laboratory ID:	B079026-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.6	106	5.79	25	70 - 130
1,2,4-Trimethylbenzene	10.0	10.9	109	2.00	25	70 - 130
1,3,5-Trimethylbenzene	10.0	10.1	101	3.60	25	70 - 130
Vinyl Chloride	10.0	8.17	81.7	4.31	25	40 - 160
m+p Xylene	20.0	19.9	99.4	4.00	25	70 - 130
o-Xylene	10.0	10.1	101	1.87	25	70 - 130

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4 - FORM IV
METHOD BLANK SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Blank ID:	B078839-BLK1	Batch:	B078839
Prepared:	08/15/2013 08:23		

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS Dup	B078839-BSD1	VB231006.D	11:20
LCS	B078839-BS1	VB231005.D	10:50
MW-05_08-13-13	13H0490-08	VB231023.D	20:04
MW-07_08-13-13	13H0490-07	VB231022.D	19:33
MW-03_08-13-13	13H0490-04	VB231021.D	19:03
MW-08_08-13-13	13H0490-03	VB231020.D	18:32
MW-02_08-13-13	13H0490-02	VB231019.D	18:01
MW-01_08-13-13	13H0490-01	VB231018.D	17:30

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4 - FORM IV
METHOD BLANK SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Blank ID:	B078920-BLK1	Batch:	B078920	Prepared:	08/15/2013 08:37

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS Dup	B078920-BSD1	VB227032.D	23:56
LCS	B078920-BS1	VB227031.D	23:26
FB-01_08-13-13	13H0490-06	VB227036.D	01:59
TB-01_08-13-13	13H0490-05	VB227035.D	01:28

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4 - FORM IV
METHOD BLANK SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Blank ID:	B079026-BLK1	Batch:	B079026
Prepared:	08/19/2013 08:35		

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS Dup	B079026-BSD1	VB233005.D	07:04
LCS	B079026-BS1	VB233004.D	06:34
TB-02_08-13-13	13H0490-09	VB233018.D	13:44

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5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Lab File ID:	VB227029.D	Injection Date:	08/15/13
Instrument ID:	GCMSVOA2	Injection Time:	22:25
Sequence:	S004587	Lab Sample ID:	S004587-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	19.2	PASS
75	30 - 60% of 95	52.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.54	PASS
173	Less than 2% of 174	0.62	PASS
174	50 - 200% of 95	82.3	PASS
175	5 - 9% of 174	7.7	PASS
176	95 - 101% of 174	95.1	PASS
177	5 - 9% of 176	6.64	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S004587-CCV1	VB227029.D	08/15/2013	22:25:00
LCS	B078920-BS1	VB227031.D	08/15/2013	23:26:00
LCS Dup	B078920-BSD1	VB227032.D	08/15/2013	23:56:00
Blank	B078920-BLK1	VB227034.D	08/16/2013	0:58:00
TB-01_08-13-13	13H0490-05	VB227035.D	08/16/2013	1:28:00
FB-01_08-13-13	13H0490-06	VB227036.D	08/16/2013	1:59:00

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5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Lab File ID:	VB231003.D	Injection Date:	08/19/13
Instrument ID:	GCMSVOA2	Injection Time:	09:48
Sequence:	S004588	Lab Sample ID:	S004588-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	20.1	PASS
75	30 - 60% of 95	53.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.03	PASS
173	Less than 2% of 174	0.624	PASS
174	50 - 200% of 95	84.3	PASS
175	5 - 9% of 174	7.24	PASS
176	95 - 101% of 174	95.8	PASS
177	5 - 9% of 176	6.76	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S004588-CCV1	VB231003.D	08/19/2013	9:48:00
LCS	B078839-BS1	VB231005.D	08/19/2013	10:50:00
LCS Dup	B078839-BSD1	VB231006.D	08/19/2013	11:20:00
Blank	B078839-BLK1	VB231008.D	08/19/2013	12:22:00
MW-01_08-13-13	13H0490-01	VB231018.D	08/19/2013	17:30:00
MW-02_08-13-13	13H0490-02	VB231019.D	08/19/2013	18:01:00
MW-08_08-13-13	13H0490-03	VB231020.D	08/19/2013	18:32:00
MW-03_08-13-13	13H0490-04	VB231021.D	08/19/2013	19:03:00
MW-07_08-13-13	13H0490-07	VB231022.D	08/19/2013	19:33:00
MW-05_08-13-13	13H0490-08	VB231023.D	08/19/2013	20:04:00

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5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Lab File ID:	VB233002.D	Injection Date:	08/21/13
Instrument ID:	GCMSVOA2	Injection Time:	05:32
Sequence:	S004589	Lab Sample ID:	S004589-TUN1

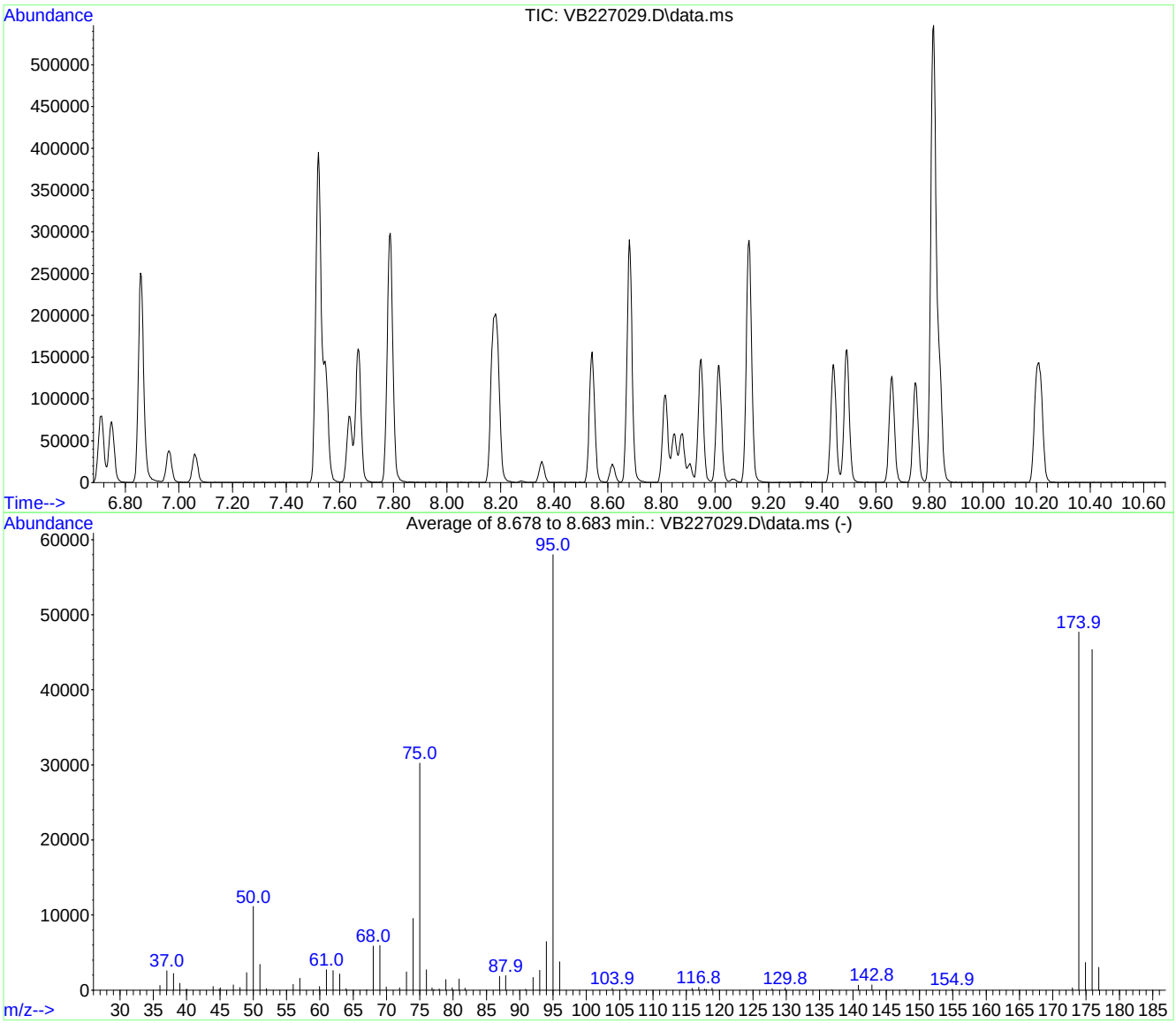
m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	20.3	PASS
75	30 - 60% of 95	54.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.7	PASS
173	Less than 2% of 174	0.279	PASS
174	50 - 200% of 95	83.5	PASS
175	5 - 9% of 174	7.82	PASS
176	95 - 101% of 174	98.3	PASS
177	5 - 9% of 176	6.56	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S004589-CCV1	VB233002.D	08/21/2013	5:32:00
LCS	B079026-BS1	VB233004.D	08/21/2013	6:34:00
LCS Dup	B079026-BSD1	VB233005.D	08/21/2013	7:04:00
Blank	B079026-BLK1	VB233007.D	08/21/2013	8:05:00
TB-02_08-13-13	13H0490-09	VB233018.D	08/21/2013	13:44:00

Data Path : W:\DATA\081513\
Data File : VB227029.D
Acq On : 15 Aug 2013 10:25 pm
Operator :
Sample : BFB / 8260STD 10PPB 1308106
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: 8260LOW.P

Method : W:\METHODS\B0813W13.M
Title : 8260 CALIBRATION VOAMS 5973
Last Update : Tue Jul 03 12:32:45 2012



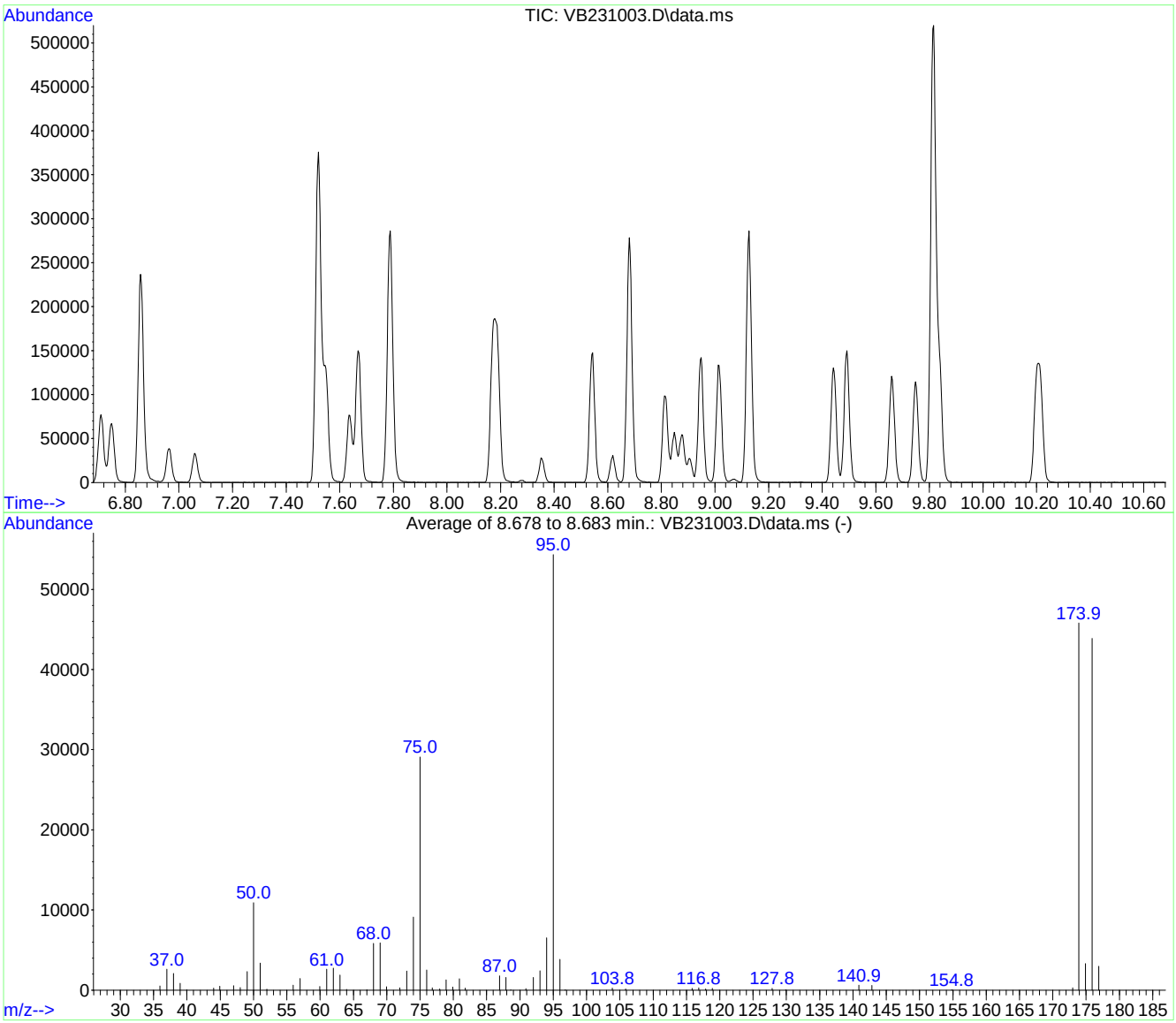
AutoFind: Scans 2765, 2766, 2767; Background Corrected with Scan 2753

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	11138	PASS
75	95	30	60	52.1	30240	PASS
95	95	100	100	100.0	57995	PASS
96	95	5	9	6.5	3790	PASS
173	174	0.00	2	0.6	296	PASS
174	95	50	100	82.3	47704	PASS
175	174	5	9	7.7	3672	PASS
176	174	95	101	95.1	45368	PASS
177	176	5	9	6.6	3014	PASS

Data Path : W:\DATA\081913\
Data File : VB231003.D
Acq On : 19 Aug 2013 9:48 am
Operator :
Sample : BFB / 8260STD 10PPB 1308106
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: 8260LOW.P

Method : W:\METHODS\B0813W13.M
Title : 8260 CALIBRATION VOAMS 5973
Last Update : Tue Jul 03 12:32:45 2012



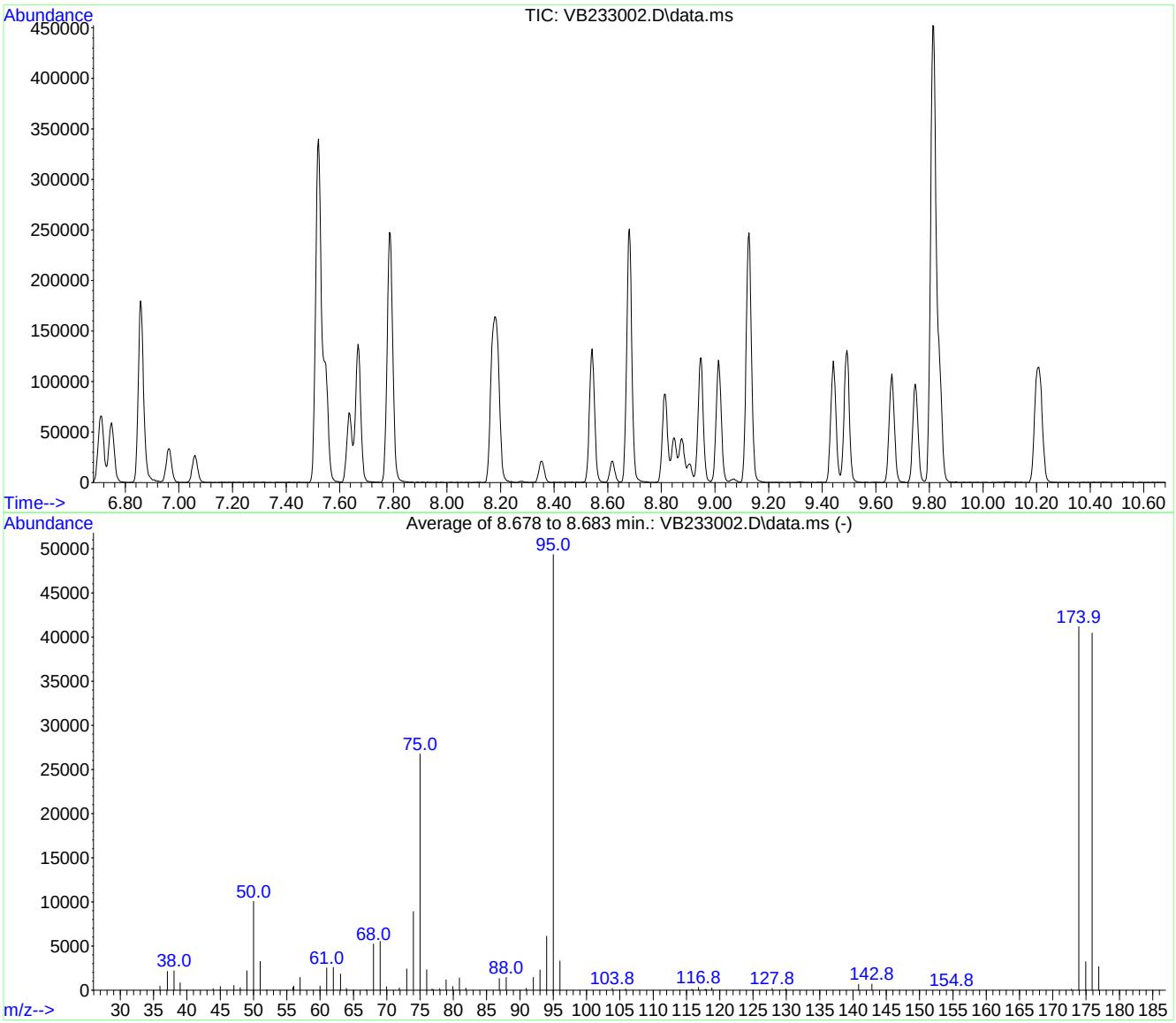
AutoFind: Scans 2765, 2766, 2767; Background Corrected with Scan 2753

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	10902	PASS
75	95	30	60	53.5	29077	PASS
95	95	100	100	100.0	54328	PASS
96	95	5	9	7.0	3821	PASS
173	174	0.00	2	0.6	286	PASS
174	95	50	100	84.3	45819	PASS
175	174	5	9	7.2	3318	PASS
176	174	95	101	95.8	43896	PASS
177	176	5	9	6.8	2967	PASS

Data Path : W:\DATA\082113\
Data File : VB233002.D
Acq On : 21 Aug 2013 5:32 am
Operator :
Sample : 8260 STD 10 PPB 1307209/BFB
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: 8260LOW.P

Method : W:\METHODS\B0813W13.M
Title : 8260 CALIBRATION VOAMS 5973
Last Update : Tue Jul 03 12:32:45 2012



AutoFind: Scans 2765, 2766, 2767; Background Corrected with Scan 2753

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	10034	PASS
75	95	30	60	54.2	26731	PASS
95	95	100	100	100.0	49315	PASS
96	95	5	9	6.7	3303	PASS
173	174	0.00	2	0.3	115	PASS
174	95	50	100	83.5	41165	PASS
175	174	5	9	7.8	3218	PASS
176	174	95	101	98.3	40451	PASS
177	176	5	9	6.6	2653	PASS

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VOLATILES CALIBRATION DATA

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6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8260C

Client: CDM Smith, Inc. - NY SDG: 13H0490

Project: Buffalo, NY

Calibration: 1300088 Instrument: GCMSVOA2

Calibration Date: 8/13/2013 12:00:53AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
cis-1,4-Dichloro-2-butene									5	0.1445984	10	0.1735902
Ethyl Methacrylate					1	0.2369978	2	0.2651163	5	0.2832515	10	0.3052042
Acetone					10	0.1747547	20	0.1452257	50	0.1381716	100	0.1343466
Acrolein	4	4.633528E-02	5	5.735027E-02	10	5.375158E-02	20	0.0582248	50	6.003543E-02	100	6.053566E-02
Acrylonitrile							2	0.139069	5	0.1489466	10	0.1497484
tert-Amyl Methyl Ether (TAME)	0.4	0.8868987	0.5	0.9254628	1	1.005568	2	1.050054	5	1.095392	10	1.123536
Benzene	0.4	1.683038	0.5	1.638579	1	1.613995	2	1.784822	5	1.83624	10	1.795692
Bromobenzene	0.4	0.8358885	0.5	1.043093	1	1.004118	2	1.104824	5	1.126144	10	1.16059
Bromochloromethane					1	0.1633221	2	0.2015673	5	0.2159278	10	0.2155329
Bromodichloromethane					1	0.2873563	2	0.3132544	5	0.3487611	10	0.3765644
Bromoform					1	0.1641683	2	0.1991368	5	0.2511758	10	0.307722
Bromomethane			0.5	0.6625377	1	0.5561222	2	0.4326247	5	0.3098038	10	0.2351076
2-Butanone (MEK)	4	0.206943	5	0.2062018	10	0.2184382	20	0.2262355	50	0.2293838	100	0.2316915
tert-Butyl Alcohol (TBA)	4	2.908561E-02	5	3.373299E-02	10	3.611693E-02	20	3.639179E-02	50	3.652586E-02	100	3.864415E-02
n-Butylbenzene									5	1.318129	10	1.485801
sec-Butylbenzene	0.4	1.670794	0.5	1.863214	1	2.091578	2	2.214613	5	2.373939	10	2.328612
tert-Butylbenzene	0.4	1.440482	0.5	1.620417	1	1.576778	2	1.741851	5	1.789827	10	1.732325
tert-Butyl Ethyl Ether (TBEE)	0.4	1.095487	0.5	1.080543	1	1.143048	2	1.24117	5	1.283058	10	1.329218
Carbon Disulfide	4	0.627729	5	0.6538014	10	0.726432	20	0.8260948	50	0.9084079	100	0.9286306
Carbon Tetrachloride							2	0.4415234	5	0.4955922	10	0.5265717
Chlorobenzene	0.4	1.438475	0.5	1.359489	1	1.504158	2	1.538192	5	1.618156	10	1.63929
Chlorodibromomethane	0.4	0.1141852	0.5	0.1347414	1	0.1506487	2	0.194052	5	0.2287284	10	0.2563916
Chloroethane	0.4	0.1974424	0.5	0.1947903	1	0.2009482	2	0.2261941	5	0.2253623	10	0.2186615
2-Chloroethyl Vinyl Ether	4	0.1274651	5	0.1363048	10	0.145371	20	0.1600126	50	0.1677828	100	0.1708182
Chloroform	0.4	0.6756565	0.5	0.7281645	1	0.7607917	2	0.8115463	5	0.8468484	10	0.8573331
Chloromethane	0.4	0.5673817	0.5	0.5337922	1	0.5825845	2	0.5639331	5	0.5522423	10	0.5271636

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6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8260C

Client: CDM Smith, Inc. - NY SDG: 13H0490

Project: Buffalo, NY

Calibration: 1300088 Instrument: GCMSVOA2

Calibration Date: 8/13/2013 12:00:53AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
2-Chlorotoluene	0.4	1.687108	0.5	1.687623	1	1.782706	2	1.920912	5	1.918124	10	1.962014
4-Chlorotoluene	0.4	1.766431	0.5	1.78473	1	1.904083	2	2.090272	5	2.221107	10	2.272968
Cyclohexane									5	0.6936754	10	0.6419693
1,2-Dibromo-3-chloropropane ([									5	6.032851E-02	10	7.789812E-02
1,2-Dibromoethane (EDB)	0.4	0.2212115	0.5	0.2242847	1	0.2328724	2	0.2774723	5	0.297569	10	0.3013864
Dibromomethane	0.4	0.1474743	0.5	0.1563455	1	0.1648742	2	0.1853386	5	0.2032492	10	0.2073637
1,2-Dichlorobenzene	0.4	1.062407	0.5	0.964534	1	1.075061	2	1.220757	5	1.300299	10	1.299388
1,3-Dichlorobenzene	0.4	1.130097	0.5	1.112873	1	1.176778	2	1.242048	5	1.310863	10	1.323691
1,4-Dichlorobenzene	0.4	1.177976	0.5	1.206665	1	1.240229	2	1.299395	5	1.311962	10	1.307143
trans-1,4-Dichloro-2-butene							2	0.1055505	5	0.1493376	10	0.1669914
Dichlorodifluoromethane (Freon	0.4	0.4845832	0.5	0.4756895	1	0.5106401	2	0.5443765	5	0.575722	10	0.5545808
1,1-Dichloroethane	0.4	0.6602645	0.5	0.6754959	1	0.7250262	2	0.7862987	5	0.8361331	10	0.8050776
1,2-Dichloroethane	0.4	0.4213041	0.5	0.475006	1	0.488648	2	0.5193052	5	0.5404102	10	0.54344
1,1-Dichloroethylene	0.4	0.487237	0.5	0.4915737	1	0.495755	2	0.5632088	5	0.5869923	10	0.564199
cis-1,2-Dichloroethylene	0.4	0.6411572	0.5	0.6345314	1	0.6667264	2	0.7001049	5	0.7377746	10	0.7506236
trans-1,2-Dichloroethylene	0.4	0.4612298	0.5	0.4564613	1	0.480043	2	0.5252339	5	0.54332	10	0.5341817
Dichlorofluoromethane (Freon 2	0.4	0.6496493	0.5	0.6963961	1	0.6565963	2	0.7057959	5	0.7372196	10	0.7264618
1,2-Dichloropropane	0.4	0.2766933	0.5	0.2464574	1	0.273273	2	0.3003271	5	0.3117111	10	0.3140453
1,3-Dichloropropane	0.4	0.4434968	0.5	0.4118993	1	0.4350176	2	0.4830231	5	0.5144928	10	0.5190409
2,2-Dichloropropane	0.4	0.4304458	0.5	0.427619	1	0.4531672	2	0.496882	5	0.5404171	10	0.5454699
1,1-Dichloropropene	0.4	0.5944504	0.5	0.5112199	1	0.5269723	2	0.6019081	5	0.6164486	10	0.6163277
cis-1,3-Dichloropropene							2	0.3606068	5	0.4121377	10	0.4565074
trans-1,3-Dichloropropene									5	0.3305575	10	0.3830948
Diethyl Ether	0.4	0.3258862	0.5	0.3532141	1	0.3187882	2	0.3269777	5	0.3180858	10	0.3224115
Difluorochloromethane (Freon 2	0.4	0.6820257	0.5	0.6428915	1	0.6793373	2	0.679824	5	0.7015304	10	0.6803365
Diisopropyl Ether (DIPE)	0.4	1.321591	0.5	1.277005	1	1.288591	2	1.39545	5	1.449551	10	1.423921

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8260C

Client: CDM Smith, Inc. - NY SDG: 13H0490

Project: Buffalo, NY

Calibration: 1300088 Instrument: GCMSVOA2

Calibration Date: 8/13/2013 12:00:53AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
1,4-Dioxane									50	1.948925E-03	100	2.590612E-03
Ethyl Acetate					1	0.5131209	2	0.5241991	5	0.5517727	10	0.5680252
Ethylbenzene	0.4	2.32769	0.5	2.30761	1	2.396857	2	2.660298	5	2.791908	10	2.795732
Hexachlorobutadiene					1	0.1344235	2	0.2051431	5	0.2449167	10	0.2638215
2-Hexanone (MBK)			5	0.1579942	10	0.1764539	20	0.2013442	50	0.2214645	100	0.2315232
Iodomethane	4	8.041003E-02	5	0.1073436	10	0.15129	20	0.2385178	50	0.3408995	100	0.3986682
Isopropylbenzene (Cumene)	0.4	1.941075	0.5	1.925587	1	2.160831	2	2.337531	5	2.46232	10	2.501854
p-Isopropyltoluene (p-Cymene)	0.4	1.42067	0.5	1.434827	1	1.643173	2	1.794536	5	2.004763	10	1.981472
Methyl Acetate					1	0.3675781	2	0.3492246	5	0.3580012	10	0.3569315
Methyl tert-Butyl Ether (MTBE)	0.4	1.04825	0.5	1.019932	1	1.016732	2	1.075301	5	1.122201	10	1.113622
Methyl Cyclohexane	0.4	0.2305181	0.5	0.235371	1	0.2213497	2	0.2739726	5	0.3023609	10	0.2891725
Methylene Chloride									5	0.571453	10	0.5313702
4-Methyl-2-pentanone (MIBK)	4	0.2771229	5	0.275566	10	0.2973	20	0.3229677	50	0.3364627	100	0.3408628
Naphthalene									5	9.146974E-02	10	0.2537311
n-Propylbenzene	0.4	2.14638	0.5	2.086186	1	2.270097	2	2.572029	5	2.760726	10	2.816013
Styrene	0.4	1.165845	0.5	1.267185	1	1.294507	2	1.511073	5	1.684666	10	1.761247
1,1,1,2-Tetrachloroethane							2	0.4365589	5	0.4719779	10	0.5168383
1,1,2,2-Tetrachloroethane	0.4	0.4892681	0.5	0.4807299	1	0.5770111	2	0.6455329	5	0.6756543	10	0.7097672
Tetrachloroethylene	0.4	0.1900701	0.5	0.1765283	1	0.2032833	2	0.2352622	5	0.2353319	10	0.239384
Tetrahydrofuran					1	9.261812E-02	2	0.119409	5	0.1269184	10	0.1334292
Toluene	0.4	1.181584	0.5	1.198175	1	1.19196	2	1.292442	5	1.336869	10	1.331129
1,2,3-Trichlorobenzene									5	6.173292E-02	10	0.127889
1,2,4-Trichlorobenzene									5	0.1082616	10	0.2205768
1,3,5-Trichlorobenzene					1	0.1753066	2	0.2876665	5	0.4994199	10	0.5936056
1,1,1-Trichloroethane			0.5	0.4869757	1	0.5623243	2	0.6326398	5	0.6701104	10	0.692724
1,1,2-Trichloroethane	0.4	0.2154843	0.5	0.2237162	1	0.2381359	2	0.2851143	5	0.2840404	10	0.2920287

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8260C

Client: CDM Smith, Inc. - NY SDG: 13H0490

Project: Buffalo, NY

Calibration: 1300088 Instrument: GCMSVOA2

Calibration Date: 8/13/2013 12:00:53AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Trichloroethylene	0.4	0.2212115	0.5	0.2532797	1	0.2941846	2	0.3124688	5	0.3195711	10	0.3064385
Trichlorofluoromethane (Freon 1	0.4	0.5440283	0.5	0.5722487	1	0.5739015	2	0.6472297	5	0.6535038	10	0.6385871
1,2,3-Trichloropropane			0.5	0.1541964	1	0.1733186	2	0.2126962	5	0.2205328	10	0.2399558
1,1,2-Trichloro-1,2,2-trifluoroeth	0.4	0.2207959	0.5	0.2181985	1	0.2352666	2	0.2884854	5	0.2998143	10	0.293282
1,2,4-Trimethylbenzene	0.4	1.660063	0.5	1.820641	1	2.001962	2	2.215234	5	2.407462	10	2.335992
1,3,5-Trimethylbenzene	0.4	1.595121	0.5	1.58945	1	1.729149	2	2.006523	5	2.105805	10	2.167467
Vinyl Acetate	4	0.9544644	5	0.959154	10	0.9977328	20	1.07346	50	1.134948	100	1.139999
Vinyl Chloride	0.4	0.427792	0.5	0.4405771	1	0.4205028	2	0.4428686	5	0.4593481	10	0.4473851
m+p Xylene	0.8	1.821757	1	1.847689	2	1.974863	4	2.102768	10	2.234625	20	2.233456
o-Xylene	0.4	1.801093	0.5	1.785263	1	2.009581	2	2.17894	5	2.289825	10	2.359373
1,2-Dichloroethane-d4	25	0.6796096	25	0.6824347	25	0.6784939	25	0.6765873	25	0.6822003	25	0.681292
Toluene-d8	25	1.21697	25	1.220325	25	1.220934	25	1.218621	25	1.230441	25	1.236111
4-Bromofluorobenzene	25	0.9039648	25	0.8972309	25	0.9055521	25	0.9111267	25	0.9214016	25	0.9483278

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Client: CDM Smith, Inc. - NY SDG: 13H0490

Project: Buffalo, NY

Calibration: 1300088 Instrument: GCMSVOA2

Calibration Date: 8/13/2013 12:00:53AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
cis-1,4-Dichloro-2-butene	20	0.197476	50	0.2247886	100	0.2497098	200	0.2700024				
Ethyl Methacrylate	20	0.314085	50	0.3097537	100	0.3230022	200	0.3172936				
Acetone	200	0.1241469	500	0.1178019								
Acrolein	200	5.857512E-02	500	5.857889E-02	1000	5.837265E-02	2000	5.726459E-02				
Acrylonitrile	20	0.1912022	50	0.1850736	100	0.1801385	200	0.1787549				
tert-Amyl Methyl Ether (TAME)	20	1.138629	50	1.09008	100	1.157677	200	1.192572				
Benzene	20	1.787709	50	1.656447	100	1.678584	200	1.637848				
Bromobenzene	20	1.165438	50	1.085925	100	1.14284	200	1.126956				
Bromochloromethane	20	0.2201187	50	0.1964686	100	0.198452	200	0.1905357				
Bromodichloromethane	20	0.412963	50	0.4009053	100	0.4379234	200	0.4382893				
Bromoform	20	0.3538871	50	0.3989265	100	0.4625419	200	0.5030231				
Bromomethane	20	0.1838632	50	0.1749475	100	0.1602088						
2-Butanone (MEK)	200	0.2264265	500	0.2239006	1000	0.2107487	2000	0.2025282				
tert-Butyl Alcohol (TBA)	200	3.748875E-02	500	4.048298E-02	1000	4.414316E-02	2000	4.775034E-02				
n-Butylbenzene	20	1.599918	50	1.573532	100	1.631898	200	1.569352				
sec-Butylbenzene	20	2.346872	50	2.200134	100	2.22966	200	2.17196				
tert-Butylbenzene	20	1.751337	50	1.642494	100	1.688145	200	1.652385				
tert-Butyl Ethyl Ether (TBEE)	20	1.346446	50	1.264563	100	1.332145	200	1.352715				
Carbon Disulfide	200	0.9208822	500	0.840833	1000	0.7643767						
Carbon Tetrachloride	20	0.5722666	50	0.6187557	100	0.6161389	200	0.6270195				
Chlorobenzene	20	1.65062	50	1.495554	100	1.562307	200	1.51759				
Chlorodibromomethane	20	0.2877064	50	0.2954591	100	0.3391484	200	0.3470675				
Chloroethane	20	0.2097121	50	0.2010427	100	0.2005381	200	0.1771317				
2-Chloroethyl Vinyl Ether	200	0.1697973	500	0.1551117	1000	0.1497813	2000	0.1356562				
Chloroform	20	0.8584785	50	0.7981929	100	0.8195523	200	0.8159613				
Chloromethane	20	0.4974106	50	0.4405747	100	0.4567574	200	0.4808414				

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6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Client: CDM Smith, Inc. - NY SDG: 13H0490

Project: Buffalo, NY

Calibration: 1300088 Instrument: GCMSVOA2

Calibration Date: 8/13/2013 12:00:53AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
2-Chlorotoluene	20	1.986831	50	1.839959	100	1.911754	200	1.851478				
4-Chlorotoluene	20	2.316696	50	2.121506	100	2.190563	200	2.078929				
Cyclohexane	20	0.6213471	50	0.656853	100	0.5787953	200	0.5660712				
1,2-Dibromo-3-chloropropane (D	20	9.097745E-02	50	0.1120536	100	0.1253305	200	0.1349646				
1,2-Dibromoethane (EDB)	20	0.3138825	50	0.2998861	100	0.3193688	200	0.3157686				
Dibromomethane	20	0.2132117	50	0.1963302	100	0.2060189	200	0.2027168				
1,2-Dichlorobenzene	20	1.311855	50	1.217836	100	1.279627	200	1.261524				
1,3-Dichlorobenzene	20	1.320796	50	1.219577	100	1.295683	200	1.281304				
1,4-Dichlorobenzene	20	1.301965	50	1.212131	100	1.28231	200	1.262461				
trans-1,4-Dichloro-2-butene	20	0.1920807	50	0.2174264	100	0.2445384	200	0.2608537				
Dichlorodifluoromethane (Freon	20	0.5403769	50	0.5430163	100	0.4664672	200	0.4350509				
1,1-Dichloroethane	20	0.8304415	50	0.7648129	100	0.7879209	200	0.7907747				
1,2-Dichloroethane	20	0.5495113	50	0.4940185	100	0.5158108	200	0.4951401				
1,1-Dichloroethylene	20	0.5686337	50	0.5580706	100	0.539731	200	0.5245708				
cis-1,2-Dichloroethylene	20	0.7484767	50	0.6889893	100	0.7082863	200	0.6947923				
trans-1,2-Dichloroethylene	20	0.6505462	50	0.6025969	100	0.6077944	200	0.5946925				
Dichlorofluoromethane (Freon 2	20	0.7287315	50	0.6710093	100	0.6837807	200	0.6708669				
1,2-Dichloropropane	20	0.3220947	50	0.2893438	100	0.30749	200	0.3011525				
1,3-Dichloropropane	20	0.5315328	50	0.4891502	100	0.5191533	200	0.5040106				
2,2-Dichloropropane	20	0.592127	50	0.5870367	100	0.6058147	200	0.6123163				
1,1-Dichloropropene	20	0.6099878	50	0.5998229	100	0.5886216	200	0.5831585				
cis-1,3-Dichloropropene	20	0.4981205	50	0.478306	100	0.5263511	200	0.5207227				
trans-1,3-Dichloropropene	20	0.4279559	50	0.4303915	100	0.4830208	200	0.4903113				
Diethyl Ether	20	0.3073495	50	0.285264	100	0.3017809	200	0.2980266				
Difluorochloromethane (Freon 2	20	0.6816193	50	0.6554744	100	0.6291256	200	0.5830171				
Diisopropyl Ether (DIPE)	20	1.440817	50	1.272139	100	1.239167	200	1.111567				

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6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Client: CDM Smith, Inc. - NY SDG: 13H0490

Project: Buffalo, NY

Calibration: 1300088 Instrument: GCMSVOA2

Calibration Date: 8/13/2013 12:00:53AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
1,4-Dioxane	200	2.674725E-03	500	2.789181E-03	1000	2.997671E-03	2000	3.045176E-03				
Ethyl Acetate	20	0.5191764	50	0.5181015	100	0.5116434	200	0.519712				
Ethylbenzene	20	2.828379	50	2.629565	100	2.663953	200	2.510443				
Hexachlorobutadiene	20	0.2791222	50	0.2759595	100	0.2985661	200	0.3027547				
2-Hexanone (MBK)	200	0.2338107	500	0.2264401	1000	0.213331	2000	0.1879059				
Iodomethane	200	0.4519756	500	0.4446551	1000	0.4593786	2000	0.4180333				
Isopropylbenzene (Cumene)	20	2.575829	50	2.433882	100	2.476725	200	2.385611				
p-Isopropyltoluene (p-Cymene)	20	2.037446	50	1.928116	100	1.975417	200	1.918441				
Methyl Acetate	20	0.3373757	50	0.3290188	100	0.3211846	200	0.3221646				
Methyl tert-Butyl Ether (MTBE)	20	1.263507	50	1.173601	100	1.229595	200	1.235405				
Methyl Cyclohexane	20	0.2987378	50	0.3356157	100	0.2921323	200	0.2875177				
Methylene Chloride	20	0.4843867	50	0.4238806	100	0.4367513	200	0.4598757				
4-Methyl-2-pentanone (MIBK)	200	0.3347591	500	0.3073051	1000	0.2809879	2000	0.2412477				
Naphthalene	20	0.4693578	50	0.7907641	100	1.007221	200	1.119641				
n-Propylbenzene	20	2.893664	50	2.722916	100	2.766182	200	2.626909				
Styrene	20	1.79942	50	1.672314	100	1.734228	200	1.666773				
1,1,1,2-Tetrachloroethane	20	0.5473265	50	0.5273875	100	0.5687566	200	0.5794101				
1,1,2,2-Tetrachloroethane	20	0.7197124	50	0.7035857	100	0.7288541	200	0.7341714				
Tetrachloroethylene	20	0.2536723	50	0.2390918	100	0.242569	200	0.2373267				
Tetrahydrofuran	20	0.1334846	50	0.1362979	100	0.1316213	200	0.1351953				
Toluene	20	1.340124	50	1.226417	100	1.251656	200	1.192664				
1,2,3-Trichlorobenzene	20	0.2053114	50	0.3031276	100	0.3860622	200	0.4198297				
1,2,4-Trichlorobenzene	20	0.3531257	50	0.4803077	100	0.6035366	200	0.6488755				
1,3,5-Trichlorobenzene	20	0.6771864	50	0.6931759	100	0.7710744	200	0.7749582				
1,1,1-Trichloroethane	20	0.7255174	50	0.7205101	100	0.7360928	200	0.7394132				
1,1,2-Trichloroethane	20	0.2892389	50	0.2705822	100	0.2821364	200	0.2761469				

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Client: CDM Smith, Inc. - NY SDG: 13H0490

Project: Buffalo, NY

Calibration: 1300088 Instrument: GCMSVOA2

Calibration Date: 8/13/2013 12:00:53AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Trichloroethylene	20	0.3218417	50	0.2959488	100	0.3050241	200	0.2994667				
Trichlorofluoromethane (Freon 1	20	0.6348002	50	0.6668695	100	0.6023793	200	0.5835107				
1,2,3-Trichloropropane	20	0.2402559	50	0.2301321	100	0.235364	200	0.2395966				
1,1,2-Trichloro-1,2,2-trifluoroeth	20	0.2940115	50	0.31716	100	0.2798735	200	0.2756923				
1,2,4-Trimethylbenzene	20	2.348907	50	2.15045	100	2.245858	200	2.164393				
1,3,5-Trimethylbenzene	20	2.2097	50	2.058155	100	2.130125	200	2.030183				
Vinyl Acetate	200	1.121712	500	0.9914487	1000	0.8879038	2000	0.7285056				
Vinyl Chloride	20	0.4430431	50	0.4342849	100	0.4281658	200	0.4304994				
m+p Xylene	40	2.22456	100	2.040257	200	2.0319	400	1.864718				
o-Xylene	20	2.358605	50	2.173146	100	2.220215	200	2.116104				
1,2-Dichloroethane-d4	25	0.6641773	25	0.6771094	25	0.6400241	25	0.644895				
Toluene-d8	25	1.242148	25	1.238053	25	1.23672	25	1.249007				
4-Bromofluorobenzene	25	0.9495524	25	0.9629324	25	0.974701	25	1.000853				

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Calibration:	1300088	Instrument:	GCMSVOA2
		Calibration Date:	8/13/2013 12:00:53AM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
cis-1,4-Dichloro-2-butene	0.2100276	22.5	0.9984745		0.99	
Ethyl Methacrylate	0.294338	10.2			15	
Acetone	0.1390746	14.4			15	
Acrolein	5.690243E-02	7.3			15	
Acrylonitrile	0.1675619	12.5			15	
tert-Amyl Methyl Ether (TAME)	1.066587	9.4			15	
Benzene	1.711295	4.7			15	
Bromobenzene	1.079582	9.2			15	
Bromochloromethane	0.2002406	9.2			15	
Bromodichloromethane	0.3770022	14.9			15	
Bromoform	0.3300727	37.0	0.9971797		0.99	
Bromomethane	0.3394019	56.3	0.9981983		0.99	
2-Butanone (MEK)	0.2182498	4.9			15	
tert-Butyl Alcohol (TBA)	3.803626E-02	13.7			15	
n-Butylbenzene	1.529772	7.5			15	
sec-Butylbenzene	2.149138	10.4			15	
tert-Butylbenzene	1.663604	6.2			15	
tert-Butyl Ethyl Ether (TBEE)	1.246839	8.4			15	
Carbon Disulfide	0.7996875	14.2			15	
Carbon Tetrachloride	0.5568383	12.8			15	
Chlorobenzene	1.532383	5.9			15	
Chlorodibromomethane	0.2348129	35.8	0.9988129		0.99	
Chloroethane	0.2051823	7.4			15	
2-Chloroethyl Vinyl Ether	0.1518101	10.2			15	
Chloroform	0.7972526	7.5			15	
Chloromethane	0.5202681	9.4			15	
2-Chlorotoluene	1.854851	5.7			15	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Calibration:	1300088	Instrument:	GCMSVOA2
		Calibration Date:	8/13/2013 12:00:53AM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
4-Chlorotoluene	2.074728	9.4			15	
Cyclohexane	0.6264519	7.7			15	
1,2-Dibromo-3-chloropropane (DBCP)	0.1002588	28.7	0.9986754		0.99	
1,2-Dibromoethane (EDB)	0.2803702	14.0			15	
Dibromomethane	0.1882923	12.6			15	
1,2-Dichlorobenzene	1.199329	10.1			15	
1,3-Dichlorobenzene	1.241371	6.4			15	
1,4-Dichlorobenzene	1.260224	3.8			15	
trans-1,4-Dichloro-2-butene	0.1909684	28.7	0.998445		0.99	
Dichlorodifluoromethane (Freon 12)	0.5130503	8.9			15	
1,1-Dichloroethane	0.7662246	7.9			15	
1,2-Dichloroethane	0.5042594	7.7			15	
1,1-Dichloroethylene	0.5379972	6.7			15	
cis-1,2-Dichloroethylene	0.6971463	5.9			15	
trans-1,2-Dichloroethylene	0.54561	12.3			15	
Dichlorofluoromethane (Freon 21)	0.6926507	4.5			15	
1,2-Dichloropropane	0.2942588	7.8			15	
1,3-Dichloropropane	0.4850817	8.5			15	
2,2-Dichloropropane	0.5291296	13.7			15	
1,1-Dichloropropene	0.5848918	6.2			15	
cis-1,3-Dichloropropene	0.4646789	13.0			15	
trans-1,3-Dichloropropene	0.424222	14.3			15	
Diethyl Ether	0.3157784	6.0			15	
Difluorochloromethane (Freon 22)	0.6615182	5.3			15	
Diisopropyl Ether (DIPE)	1.32198	8.1			15	
1,4-Dioxane	2.674382E-03	14.8			15	
Ethyl Acetate	0.5282189	3.9			15	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Calibration:	1300088	Instrument:	GCMSVOA2
		Calibration Date:	8/13/2013 12:00:53AM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
Ethylbenzene	2.591244	7.5			15	
Hexachlorobutadiene	0.2505884	22.5	0.9996449		0.99	
2-Hexanone (MBK)	0.2055853	12.9			15	
Iodomethane	0.3091172	48.8	0.997812		0.99	
Isopropylbenzene (Cumene)	2.320125	10.0			15	
p-Isopropyltoluene (p-Cymene)	1.813886	12.9			15	
Methyl Acetate	0.3426849	5.2			15	
Methyl tert-Butyl Ether (MTBE)	1.129815	8.1			15	
Methyl Cyclohexane	0.2766748	13.2			15	
Methylene Chloride	0.4846196	11.8			15	
4-Methyl-2-pentanone (MIBK)	0.3014582	10.9			15	
Naphthalene	0.6220308	66.9	0.9967772		0.99	
n-Propylbenzene	2.56611	11.4			15	
Styrene	1.555726	14.9			15	
1,1,1,2-Tetrachloroethane	0.5211794	9.9			15	
1,1,2,2-Tetrachloroethane	0.6464287	15.0	0.9999146		0.99	
Tetrachloroethylene	0.225252	11.4			15	
Tetrahydrofuran	0.1261217	11.6			15	
Toluene	1.254302	5.2			15	
1,2,3-Trichlorobenzene	0.2506588	57.1	0.9973476		0.99	
1,2,4-Trichlorobenzene	0.4024473	53.2	0.9978362		0.99	
1,3,5-Trichlorobenzene	0.5590492	40.0	0.9995254		0.99	
1,1,1-Trichloroethane	0.6629231	13.2			15	
1,1,2-Trichloroethane	0.2656624	10.8			15	
Trichloroethylene	0.2929435	10.8			15	
Trichlorofluoromethane (Freon 11)	0.6117059	6.8			15	
1,2,3-Trichloropropane	0.2162276	14.6			15	

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6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Calibration:	1300088	Instrument:	GCMSVOA2
		Calibration Date:	8/13/2013 12:00:53AM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.272258	12.8			15	
1,2,4-Trimethylbenzene	2.135096	11.3			15	
1,3,5-Trimethylbenzene	1.962168	12.0			15	
Vinyl Acetate	0.9989328	12.8			15	
Vinyl Chloride	0.4374467	2.6			15	
m+p Xylene	2.037659	7.9			15	
o-Xylene	2.129215	9.7			15	
1,2-Dichloroethane-d4	0.6706824	2.4			15	
Toluene-d8	1.230933	0.9			15	
4-Bromofluorobenzene	0.9375643	3.7			15	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

INITIAL CALIBRATION STANDARDS

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Sequence:	S004611	Instrument:	GCMSVOA2
Calibration:	1300088		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
1206199	0.4ppb 8260 Calibration Standard	S004611-CAL1	VB225019.D	08/13/13 16:03
1206200	0.5ppb 8260 Calibration Standard	S004611-CAL2	VB225020.D	08/13/13 16:34
1206201	1ppb 8260 Calibration Standard	S004611-CAL3	VB225021.D	08/13/13 17:04
1206202	2ppb 8260 Calibration Standard	S004611-CAL4	VB225022.D	08/13/13 17:35
1206203	5ppb 8260 Calibration Standard	S004611-CAL5	VB225023.D	08/13/13 18:06
1206204	10ppb 8260 Calibration Standard	S004611-CAL6	VB225024.D	08/13/13 18:37
1206205	20ppb 8260 Calibration Standard	S004611-CAL7	VB225025.D	08/13/13 19:08
1206206	50ppb 8260 Calibration Standard	S004611-CAL8	VB225026.D	08/13/13 19:39
1206207	100ppb 8260 Calibration Standard	S004611-CAL9	VB225027.D	08/13/13 20:10
1206208	200ppb 8260 Calibration Standard	S004611-CALA	VB225028.D	08/13/13 20:41

W:\DATA\081313\

Date	Filename	Lab ID	Sample Info
13 Aug 2013 5:12 am	VB225001.D	CLEAN UP	
13 Aug 2013 5:42 am	VB225002.D	PRIME	
13 Aug 2013 6:14 am	VB225003.D	BFB / 8260 STD 10 PPB 1307209	
13 Aug 2013 6:46 am	VB225004.D	B0-BS1 @ (RCP)	
13 Aug 2013 7:17 am	VB225005.D	B0-BS1	
13 Aug 2013 7:47 am	VB225006.D	B0-BSD1	
13 Aug 2013 8:18 am	VB225007.D	CLEAN UP	
13 Aug 2013 8:48 am	VB225008.D	B0-BLK1	
13 Aug 2013 9:19 am	VB225009.D	B0-BLK2 @50X (MEOH)	50
13 Aug 2013 9:50 am	VB225010.D	13H0301-08 @100X (MEOH)	100
13 Aug 2013 10:21 am	VB225011.D	CLEAN UP	
13 Aug 2013 10:55 am	VB225012.D	CLEAN UP	
13 Aug 2013 11:28 am	VB225013.D	B0-BLK3 @ (SPLP)	
13 Aug 2013 11:59 am	VB225014.D	13H0301-09 @ (SPLP)	
13 Aug 2013 1:59 pm	VB225015.D	CLEAN UP	
13 Aug 2013 2:30 pm	VB225016.D	CLEAN UP	
13 Aug 2013 3:01 pm	VB225017.D	CLEAN UP	
13 Aug 2013 3:32 pm	VB225018.D	BFB	
13 Aug 2013 4:03 pm	VB225019.D	8260 STD 0.4 PPB	
13 Aug 2013 4:34 pm	VB225020.D	8260 STD 0.5 PPB	
13 Aug 2013 5:04 pm	VB225021.D	8260 STD 1.0 PPB	
13 Aug 2013 5:35 pm	VB225022.D	8260 STD 2.0 PPB	
13 Aug 2013 6:06 pm	VB225023.D	8260 STD 5.0 PPB	
13 Aug 2013 6:37 pm	VB225024.D	8260 STD 10 PPB	
13 Aug 2013 7:08 pm	VB225025.D	8260 STD 20 PPB	
13 Aug 2013 7:39 pm	VB225026.D	8260 STD 50 PPB	
13 Aug 2013 8:10 pm	VB225027.D	8260 STD 100 PPB	
13 Aug 2013 8:41 pm	VB225028.D	8260 STD 200 PPB	
13 Aug 2013 9:12 pm	VB225029.D	CLEAN UP	
13 Aug 2013 9:43 pm	VB225030.D	CLEAN UP	
13 Aug 2013 10:14 pm	VB225031.D	B0-BS1	
13 Aug 2013 10:45 pm	VB225032.D	B0-BSD1	
13 Aug 2013 11:16 pm	VB225033.D	CLEAN UP	
13 Aug 2013 11:47 pm	VB225034.D	B0-BLK1	
14 Aug 2013 12:18 am	VB225035.D	13G0474-25RE1 @10X (NYPT)	10
14 Aug 2013 12:49 am	VB225036.D	13G0474-25 @ (NYPT)	
14 Aug 2013 1:19 am	VB225037.D	CLEAN UP	
14 Aug 2013 1:50 am	VB225038.D	CLEAN UP	
14 Aug 2013 2:21 am	VB225039.D	NYPT QC @10X	10
14 Aug 2013 2:51 am	VB225040.D	NYPT QC	
14 Aug 2013 3:22 am	VB225041.D	CLEAN UP	
14 Aug 2013 3:53 am	VB225042.D	CLEAN UP	

Method Path : W:\METHODS\
Method File : B0813W13.M
Title : 8260 CALIBRATION VOAMS 5973
Last Update : Tue Jul 03 12:32:45 2012
Response Via : Initial Calibration

Calibration Files
0.4 =VB225019.D 0.5 =VB225020.D 1.0 =VB225021.D 2.0 =VB225022.D 5.0 =VB225023.D 10 =VB225028.D 20 =VB225025.D 50 =VB225026.D
100 =VB225027.D 200 =VB225028.D

		Compound	0.4	0.5	1.0	2.0	5.0	10	20	50	100	200	Avg	%RSD
1)	I	PENTAFLUOROBENZENE...	ISTD											
2)	S	1,2-DICHLOROET...	0.680	0.682	0.678	0.677	0.682	0.681	0.664	0.677	0.640	0.645	0.671	2.36
3)	T	DICHLORODIFLOU...	0.485	0.476	0.511	0.544	0.576	0.555	0.540	0.543	0.466	0.435	0.513	8.90
4)		DIFLUOROCHLORO...	0.682	0.643	0.679	0.680	0.702	0.680	0.682	0.655	0.629	0.583	0.662	5.29
5)	P	CHLOROMETHANE	0.567	0.534	0.583	0.564	0.552	0.527	0.497	0.441	0.457	0.481	0.520	9.44
6)	C	VINYL CHLORIDE	0.428	0.441	0.421	0.443	0.459	0.447	0.443	0.434	0.428	0.430	0.437	2.61#
7)	T	BROMOMETHANE		0.663	0.556	0.433	0.310	0.235	0.184	0.175	0.160		0.339	56.25
8)		CHLOROETHANE	0.197	0.195	0.201	0.226	0.225	0.219	0.210	0.201	0.201	0.177	0.205	7.38
9)		FLUORODICHLORO...	0.650	0.696	0.657	0.706	0.737	0.726	0.729	0.671	0.684	0.671	0.693	4.51
10)	T	TRICHLOROFLUOR...	0.544	0.572	0.574	0.647	0.654	0.639	0.635	0.667	0.602	0.584	0.612	6.84
11)		ETHANOL					0.003	0.003	0.003	0.003	0.003	0.003	0.003	4.75
12)	T	DI ETHYL ETHER	0.326	0.353	0.319	0.327	0.318	0.322	0.307	0.285	0.302	0.298	0.316	5.97
13)		ACROLEIN	0.046	0.057	0.054	0.058	0.060	0.061	0.059	0.059	0.058	0.057	0.057	7.28
14)	T	ACETONE			0.175	0.145	0.138	0.134	0.124	0.118			0.139	14.41
15)	C	1,1-DICHLOROET...	0.487	0.492	0.496	0.563	0.587	0.564	0.569	0.558	0.540	0.525	0.538	6.72#
16)		1,1,2-TRICL-1,...	0.221	0.218	0.235	0.288	0.300	0.293	0.294	0.317	0.280	0.276	0.272	12.82
17)		IODOMETHANE	0.080	0.107	0.151	0.239	0.341	0.399	0.452	0.445	0.459	0.418	0.309	48.84
18)		METHYL ACETATE			0.368	0.349	0.358	0.357	0.337	0.329	0.321	0.322	0.343	5.17
19)		T-BUTYL ALCOHOL	0.029	0.034	0.036	0.036	0.037	0.039	0.037	0.040	0.044	0.048	0.038	13.73
20)		ACRYLONITRILE				0.139	0.149	0.150	0.191	0.185	0.180	0.179	0.168	12.48
21)	T	METHYLENE CHLO...					0.571	0.531	0.484	0.424	0.437	0.460	0.485	11.79
22)		CARBON DISULFIDE	0.628	0.654	0.726	0.826	0.908	0.929	0.921	0.841	0.764		0.800	14.19
23)	T	METHYL TERT-BU...	1.048	1.020	1.017	1.075	1.122	1.114	1.264	1.174	1.230	1.235	1.130	8.12
24)	T	TRANS 1,2-DICH...	0.461	0.456	0.480	0.525	0.543	0.534	0.651	0.603	0.608	0.595	0.546	12.29
25)	P	1,1-DICHLOROET...	0.660	0.675	0.725	0.786	0.836	0.805	0.830	0.765	0.788	0.791	0.766	7.92
26)		VINYL ACETATE	0.954	0.959	0.998	1.073	1.135	1.140	1.122	0.991	0.888	0.729	0.999	12.84
27)		DI ISOPROPYL E...	1.322	1.277	1.289	1.395	1.450	1.424	1.441	1.272	1.239	1.112	1.322	8.09
28)	T	2-BUTANONE	0.207	0.206	0.218	0.226	0.229	0.232	0.226	0.224	0.211	0.203	0.218	4.93
29)		T-BUTYL ETHYL ...	1.095	1.081	1.143	1.241	1.283	1.329	1.346	1.265	1.332	1.353	1.247	8.38
30)	T	CIS-1,2-DICHLO...	0.641	0.635	0.667	0.700	0.738	0.751	0.748	0.689	0.708	0.695	0.697	5.92
31)		2,2-DICHLOROPR...	0.430	0.428	0.453	0.497	0.540	0.545	0.592	0.587	0.606	0.612	0.529	13.71
32)		ETHYL ACETATE			0.513	0.524	0.552	0.568	0.519	0.518	0.512	0.520	0.528	3.86
33)		BROMOCHLOROMET...			0.163	0.202	0.216	0.216	0.220	0.196	0.198	0.191	0.200	9.15
34)	T	TETRAHYDROFURAN			0.093	0.119	0.127	0.133	0.133	0.136	0.132	0.135	0.126	11.58
35)	C	CHLOROFORM	0.676	0.728	0.761	0.812	0.847	0.857	0.858	0.798	0.820	0.816	0.797	7.45#
36)	T	1,1,1-TRICHLOR...		0.487	0.562	0.633	0.670	0.693	0.726	0.721	0.736	0.739	0.663	13.21
37)		CYCLOHEXANE					0.694	0.642	0.621	0.657	0.579	0.566	0.626	7.70
38)	T	CARBON TETRACH...				0.442	0.496	0.527	0.572	0.619	0.616	0.627	0.557	12.80
39)		1,1-DICHLOROPR...	0.594	0.511	0.527	0.602	0.616	0.616	0.610	0.600	0.589	0.583	0.585	6.25
40)	T	BENZENE	1.683	1.639	1.614	1.785	1.836	1.796	1.788	1.656	1.679	1.638	1.711	4.73
41)		T-AMYLMETHYL E...	0.887	0.925	1.006	1.050	1.095	1.124	1.139	1.090	1.158	1.193	1.067	9.39

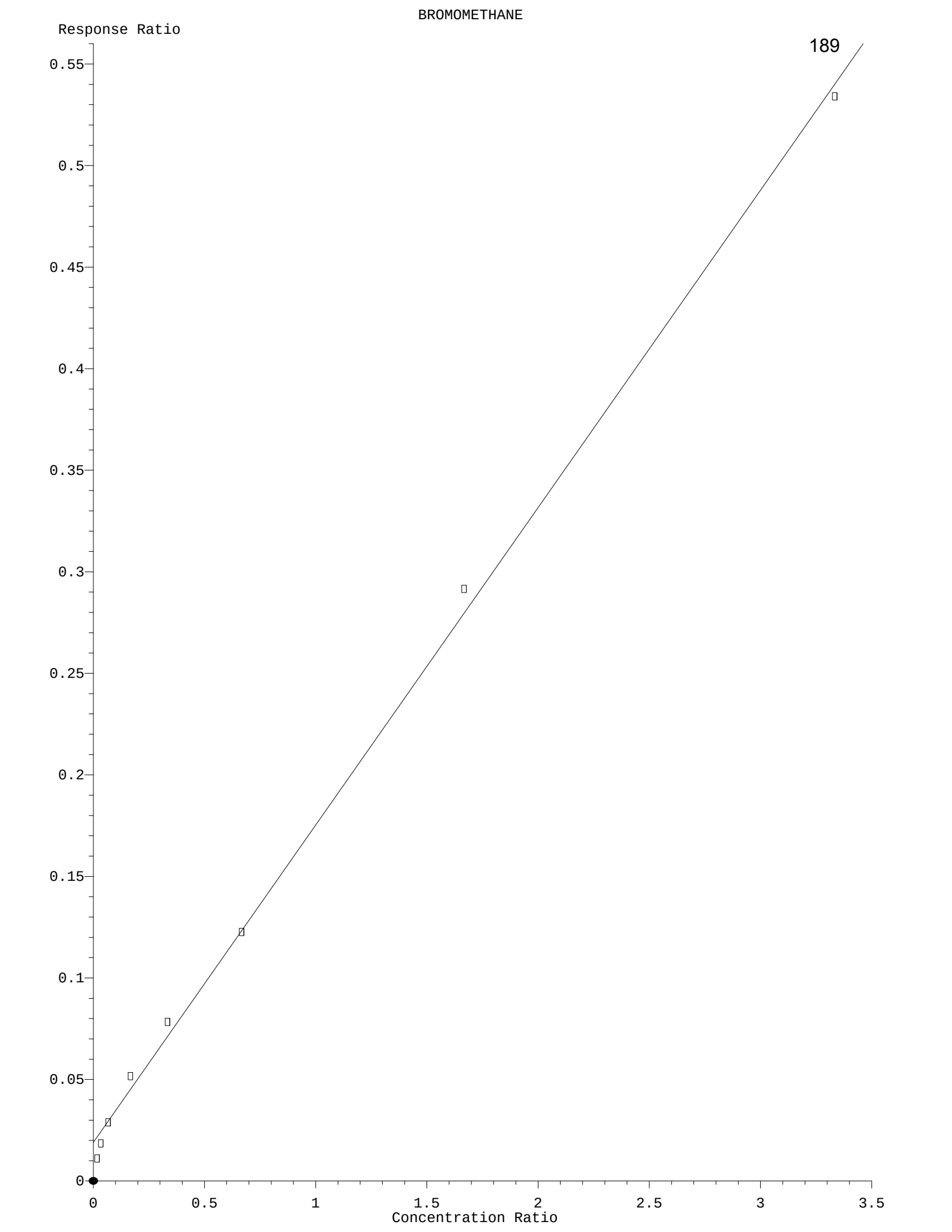
Method Path : W:\METHODS\
Method File : B0813W13.M
Title : 8260 CALIBRATION VOAMS 5973

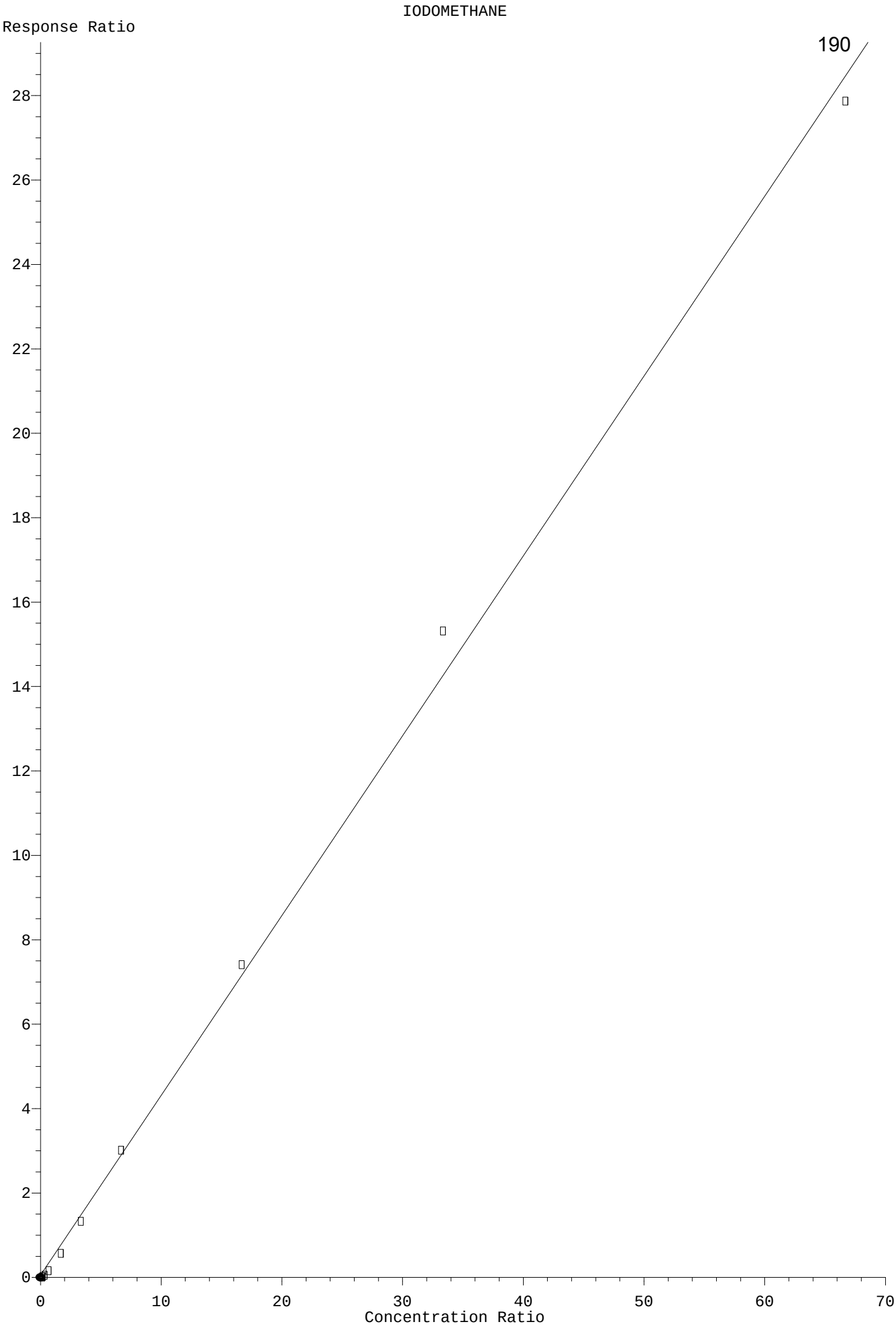
42)	I	1,4-DIFLOUROBENZEN...	----------	----------	ISTD	----------	----------	----------	----------	----------	----------	----------		
43)	S	TOLUENE-D8 SS	1.217	1.220	1.221	1.219	1.230	1.236	1.242	1.238	1.237	1.249	1.231	0.91
44)	T	1,2-DICHLOROET...	0.421	0.475	0.489	0.519	0.540	0.543	0.550	0.494	0.516	0.495	0.504	7.66
45)	T	TRICHLOROETHENE	0.221	0.253	0.294	0.312	0.320	0.306	0.322	0.296	0.305	0.299	0.293	10.81
46)		METHYLCYCLOHEXANE	0.231	0.235	0.221	0.274	0.302	0.289	0.299	0.336	0.292	0.288	0.277	13.22
47)	C	1,2-DICHLOROPR...	0.277	0.246	0.273	0.300	0.312	0.314	0.322	0.289	0.307	0.301	0.294	7.84#
48)	T	DIBROMOMETHANE	0.147	0.156	0.165	0.185	0.203	0.207	0.213	0.196	0.206	0.203	0.188	12.57
49)		1,4-DIOXANE					0.002	0.003	0.003	0.003	0.003	0.003	0.003	14.85
50)	T	BROMODICHLOROM...			0.287	0.313	0.349	0.377	0.413	0.401	0.438	0.438	0.377	14.95
51)		2-CHLOROETHYLV...	0.127	0.136	0.145	0.160	0.168	0.171	0.170	0.155	0.150	0.136	0.152	10.20
52)	T	MIBK	0.277	0.276	0.297	0.323	0.336	0.341	0.335	0.307	0.281	0.241	0.301	10.89
53)	T	CIS-1,3-DICHLO...				0.361	0.412	0.457	0.498	0.478	0.526	0.521	0.465	13.00
54)	C	TOLUENE	1.182	1.198	1.192	1.292	1.337	1.331	1.340	1.226	1.252	1.193	1.254	5.21#
55)	T	TRANS-1,3,-DIC...					0.331	0.383	0.428	0.430	0.483	0.490	0.424	14.28
56)		ETHYL METHACRY...			0.118	0.133	0.142	0.153	0.157	0.155	0.162	0.159	0.147	10.24
57)	T	1,1,2-TRICHLOR...	0.215	0.224	0.238	0.285	0.284	0.292	0.289	0.271	0.282	0.276	0.266	10.80
58)		2-HEXANONE		0.158	0.176	0.201	0.221	0.232	0.234	0.226	0.213	0.188	0.206	12.94
59)	T	TETRACHLOROETHENE	0.190	0.177	0.203	0.235	0.235	0.239	0.254	0.239	0.243	0.237	0.225	11.41
60)		1,3-DICHLOROPR...	0.443	0.412	0.435	0.483	0.514	0.519	0.532	0.489	0.519	0.504	0.485	8.50
61)	T	DIBROMOCHLOROM...	0.114	0.135	0.151	0.194	0.229	0.256	0.288	0.295	0.339	0.347	0.235	35.85
62)	T	1,2-DIBROMOETHANE	0.221	0.224	0.233	0.277	0.298	0.301	0.314	0.300	0.319	0.316	0.280	14.03
63)	I	CHLOROBENZENE-D5 ISTD	----------	----------	ISTD	----------	----------	----------	----------	----------	----------	----------		
64)	S	4-BROMOFLUROBE...	0.904	0.897	0.906	0.911	0.921	0.948	0.950	0.963	0.975	1.001	0.938	3.73
65)	P	CHLOROBENZENE	1.438	1.359	1.504	1.538	1.618	1.639	1.651	1.496	1.562	1.518	1.532	5.95
66)	T	1,1,1,2-TETRAC...				0.437	0.472	0.517	0.547	0.527	0.569	0.579	0.521	9.90
67)	C	ETHYLBENZENE	2.328	2.308	2.397	2.660	2.792	2.796	2.828	2.630	2.664	2.510	2.591	7.55#
68)	T	M/P-XYLENES	1.822	1.848	1.975	2.103	2.235	2.233	2.225	2.040	2.032	1.865	2.038	7.89
69)	T	0-XYLENE	1.801	1.785	2.010	2.179	2.290	2.359	2.359	2.173	2.220	2.116	2.129	9.71
70)	T	STYRENE	1.166	1.267	1.295	1.511	1.685	1.761	1.799	1.672	1.734	1.667	1.556	14.87
71)	P	BROMOFORM			0.164	0.199	0.251	0.308	0.354	0.399	0.463	0.503	0.330	36.96
72)	T	ISOPROPYLBENZENE	1.941	1.926	2.161	2.338	2.462	2.502	2.576	2.434	2.477	2.386	2.320	10.01
73)		CIS-1,4-DICHLO...					0.145	0.174	0.197	0.225	0.250	0.270	0.210	22.49
74)	P	1,1,2,2-TETRAC...	0.489	0.481	0.577	0.646	0.676	0.710	0.720	0.704	0.729	0.734	0.646	15.03
75)		1,4-DICHLORO-2...				0.106	0.149	0.167	0.192	0.217	0.245	0.261	0.191	28.73
76)		BROMOBENZENE	0.836	1.043	1.004	1.105	1.126	1.161	1.165	1.086	1.143	1.127	1.080	9.23
77)	T	1,2,3-TRICHLOR...		0.154	0.173	0.213	0.221	0.240	0.240	0.230	0.235	0.240	0.216	14.59
78)	T	N-PROPYLBENZENE	2.146	2.086	2.270	2.572	2.761	2.816	2.894	2.723	2.766	2.627	2.566	11.40
79)	T	2-CHLOROT0LUENE	1.687	1.688	1.783	1.921	1.918	1.962	1.987	1.840	1.912	1.851	1.855	5.74
80)	T	1,3,5-TRIMETHY...	1.595	1.589	1.729	2.007	2.106	2.167	2.210	2.058	2.130	2.030	1.962	11.96
81)		4-CHLOROTOLUENE	1.766	1.785	1.904	2.090	2.221	2.273	2.317	2.122	2.191	2.079	2.075	9.42
82)	I	1,4-DICHLOROBENZEN...	----------	----------	ISTD	----------	----------	----------	----------	----------	----------	----------		
83)	T	TERT-BUTYLBENZENE	1.440	1.620	1.577	1.742	1.790	1.732	1.751	1.642	1.688	1.652	1.664	6.17
84)	T	1,2,4-TRIMETHY...	1.660	1.821	2.002	2.215	2.407	2.336	2.349	2.150	2.246	2.164	2.135	11.28
85)		SEC-BUTYLBENZENE	1.671	1.863	2.092	2.215	2.374	2.329	2.347	2.200	2.230	2.172	2.149	10.40
86)	T	1,3-DICHLOROBE...	1.130	1.113	1.177	1.242	1.311	1.324	1.321	1.220	1.296	1.281	1.241	6.35
87)	T	P-ISOPROPYLTOL...	1.421	1.435	1.643	1.795	2.005	1.981	2.037	1.928	1.975	1.918	1.814	12.90
88)	T	1,4-DICHLOROBE...	1.178	1.207	1.240	1.299	1.312	1.307	1.302	1.212	1.282	1.262	1.260	3.83
89)	T	N-BUTYLBENZENE					1.318	1.486	1.600	1.574	1.632	1.569	1.530	7.49

Method Path : W:\METHODS\
Method File : B0813W13.M
Title : 8260 CALIBRATION VOAMS 5973

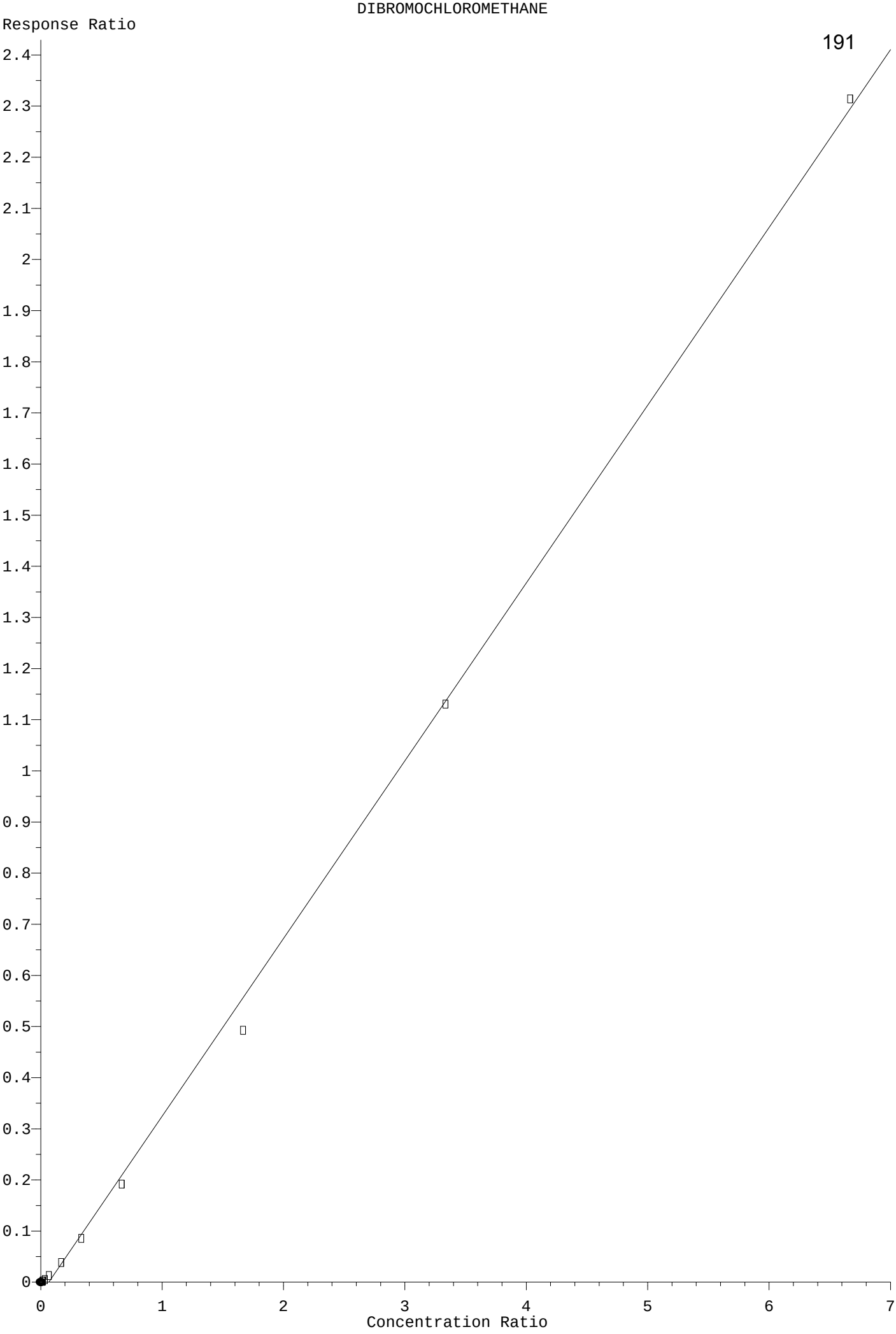
90)	T	1,2-DICHLOROBE...	1.062	0.965	1.075	1.221	1.300	1.299	1.312	1.218	1.280	1.262	1.199	10.15
91)		1,2-DIBROMO-3-...					0.060	0.078	0.091	0.112	0.125	0.135	0.100	28.74
92)		1,3,5-TRICHLOR...			0.175	0.288	0.499	0.594	0.677	0.693	0.771	0.775	0.559	39.95
93)	T	1,2,4-TRICHLOR...					0.108	0.221	0.353	0.480	0.604	0.649	0.402	53.21
94)	T	HEXACHLOROBUTA...			0.134	0.205	0.245	0.264	0.279	0.276	0.299	0.303	0.251	22.50
95)	T	NAPHTHALENE					0.091	0.254	0.469	0.791	1.007	1.120	0.622	66.86
96)		1,2,3-TRICHLOR...					0.062	0.128	0.205	0.303	0.386	0.420	0.251	57.13

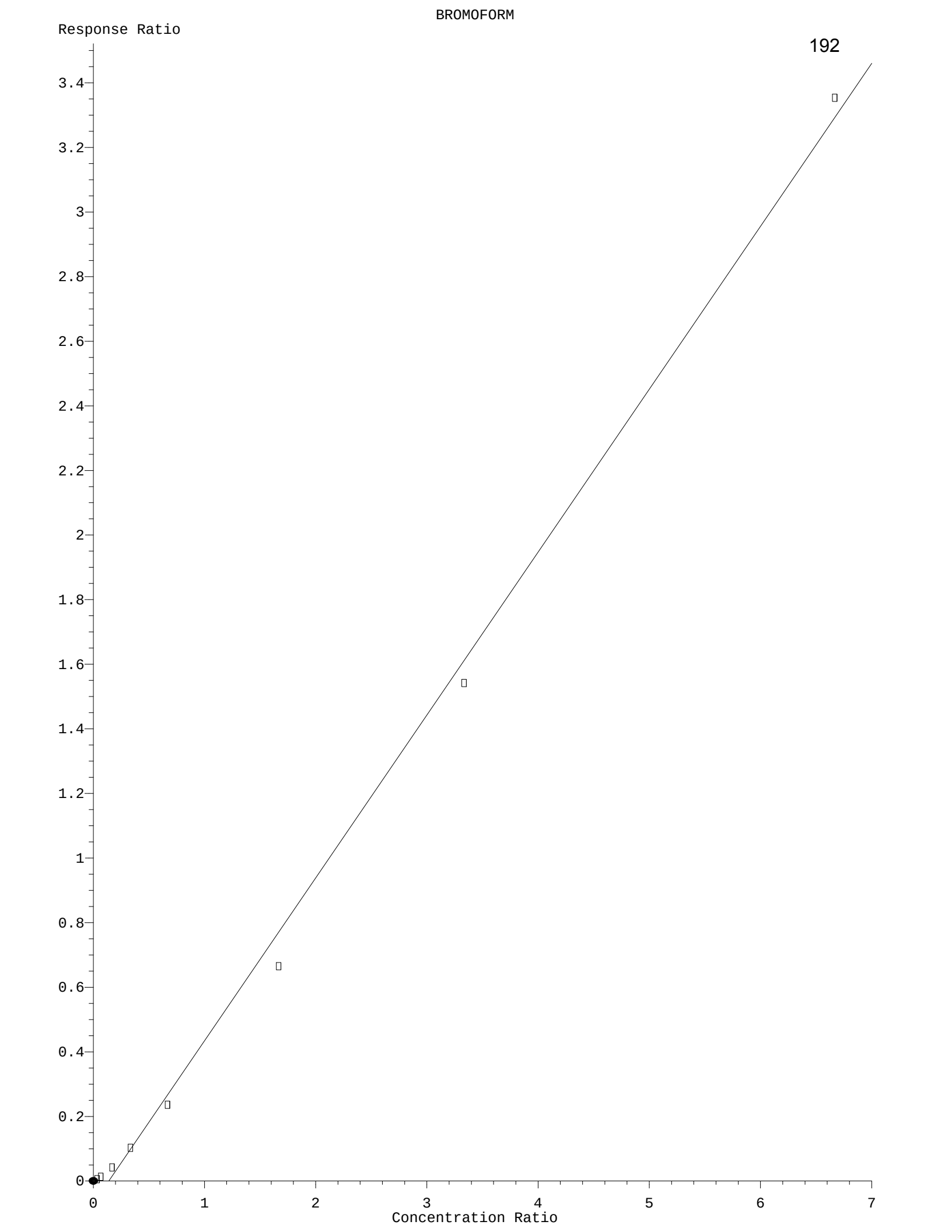
(#) = Out of Range


BROMOMETHANE
Response Ratio
189
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
0.5
1
1.5
2
2.5
3
3.5
Concentration Ratio

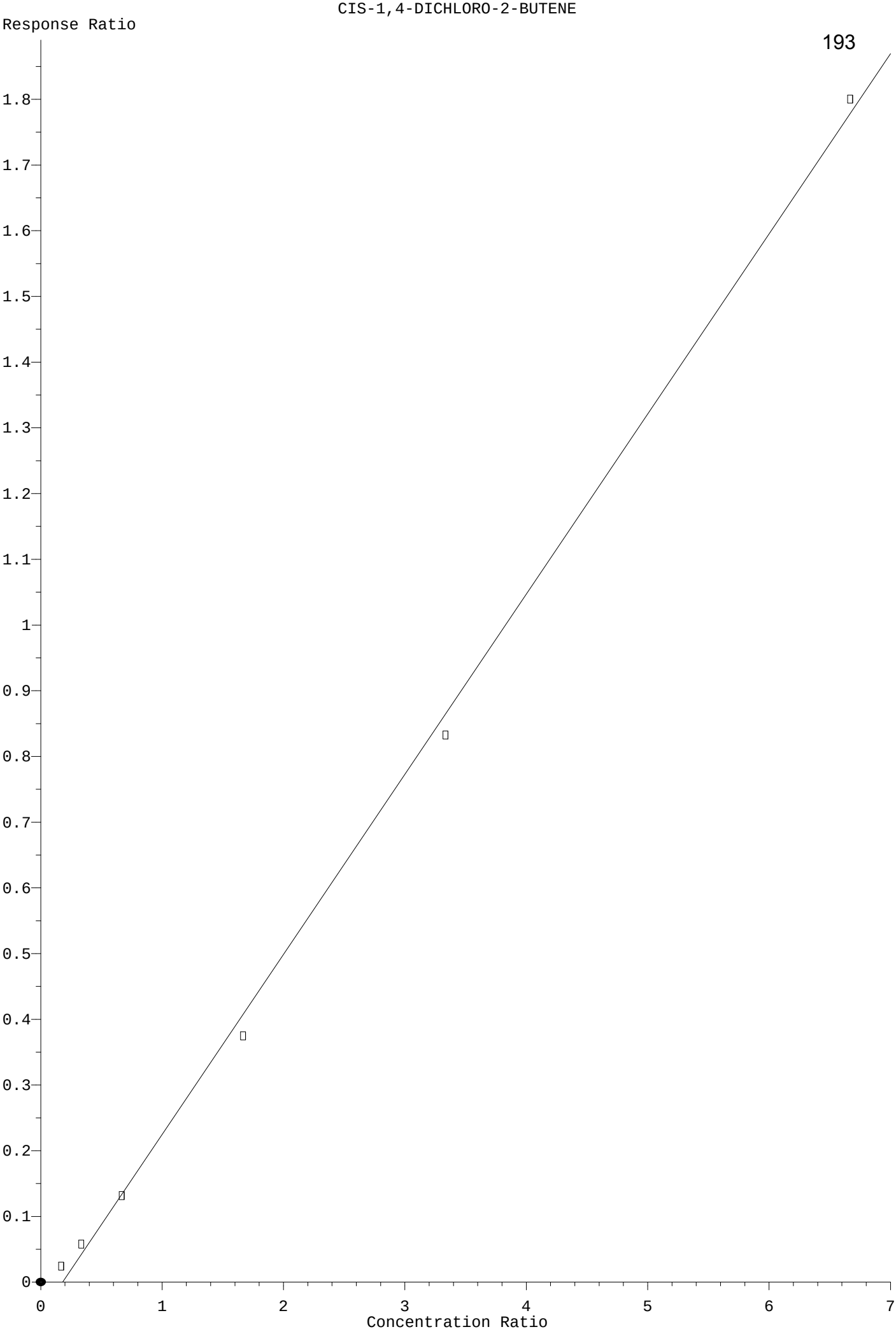

IODOMETHANE
Response Ratio
190
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
0
10
20
30
40
50
60
70
Concentration Ratio

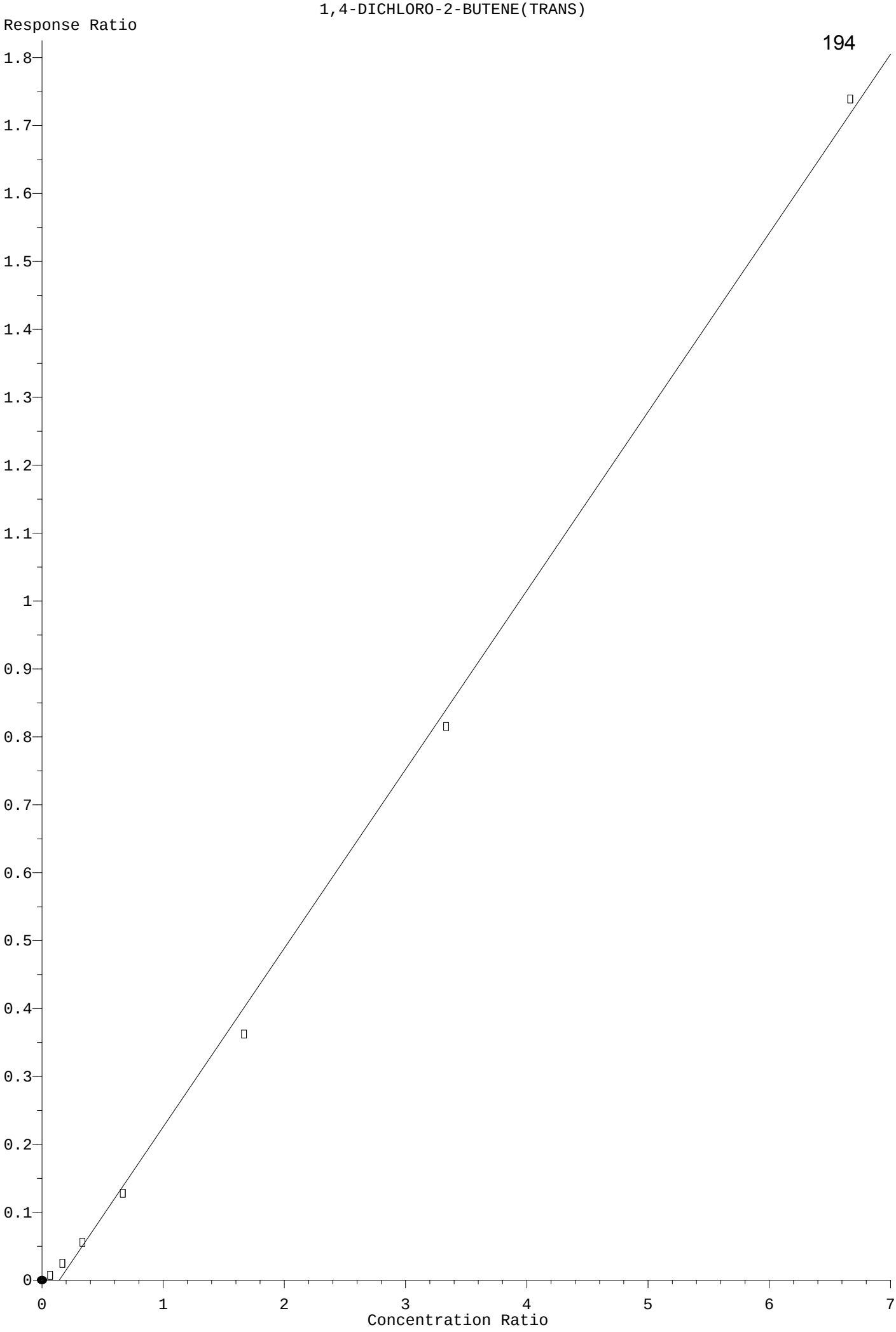
DIBROMOCHLOROMETHANE



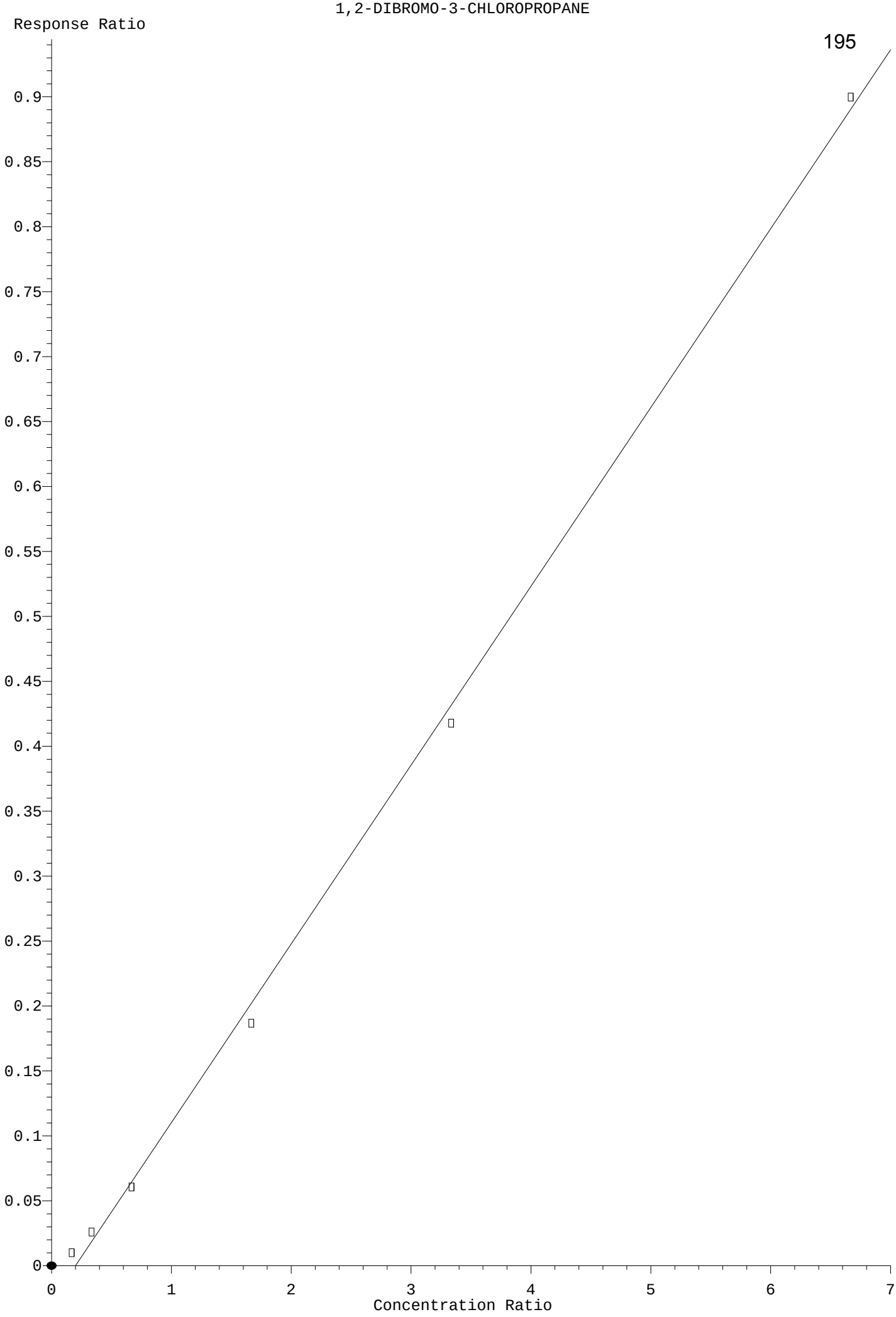

BROMOFORM
Response Ratio
192
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
1
2
3
4
5
6
7
Concentration Ratio

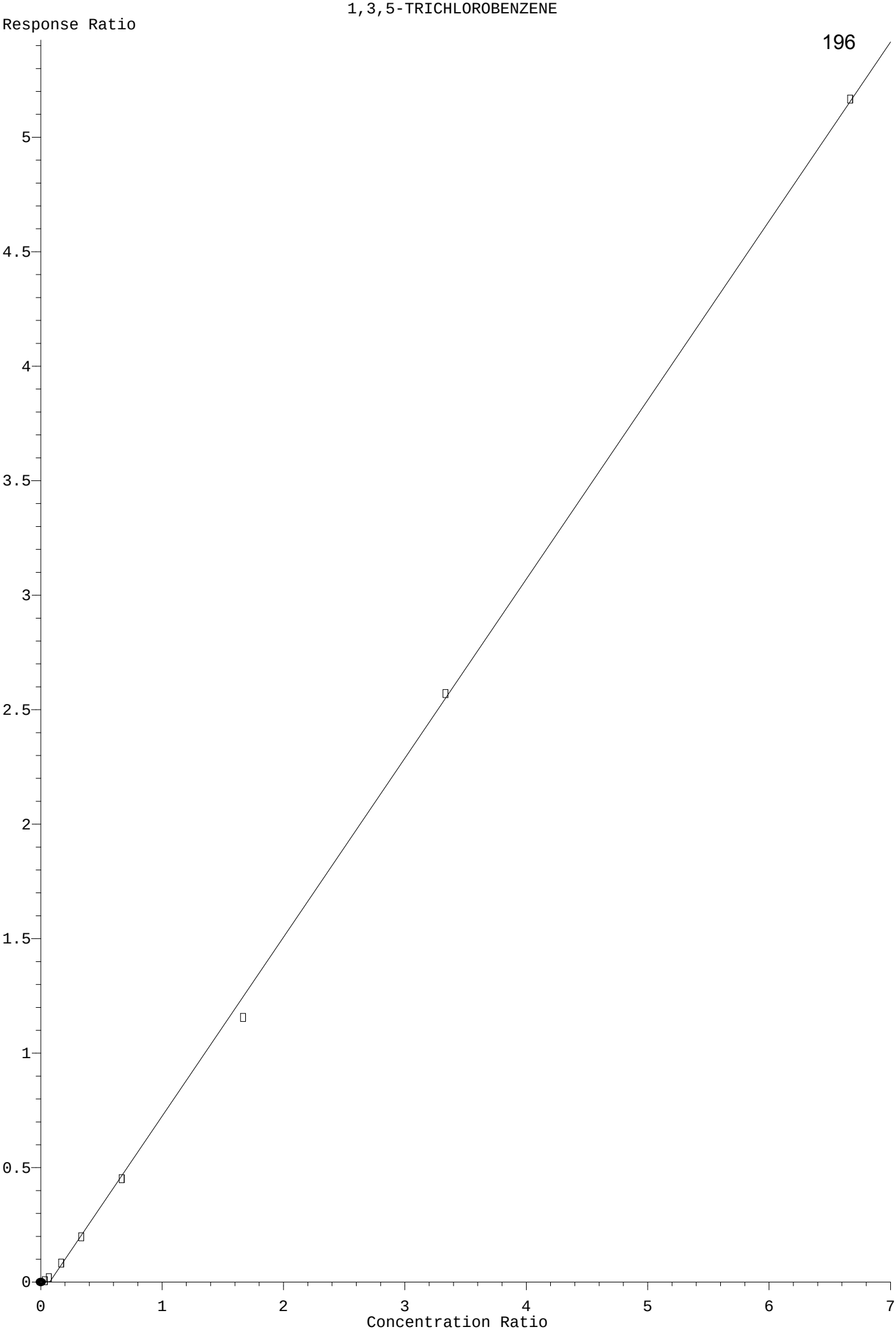
CIS-1,4-DICHLORO-2-BUTENE



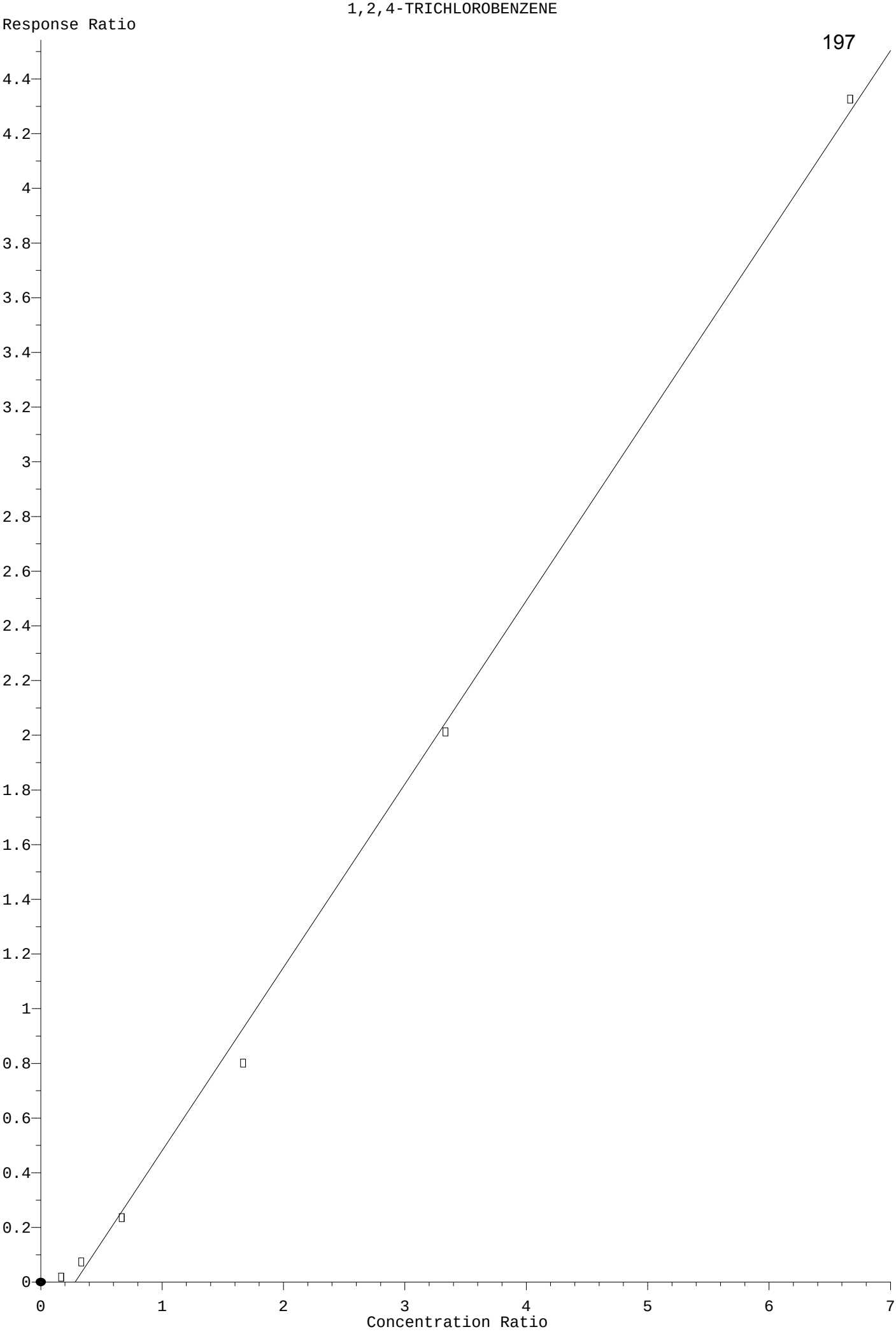

1,4-DICHLORO-2-BUTENE(TRANS)
Response Ratio
194
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
7
Concentration Ratio

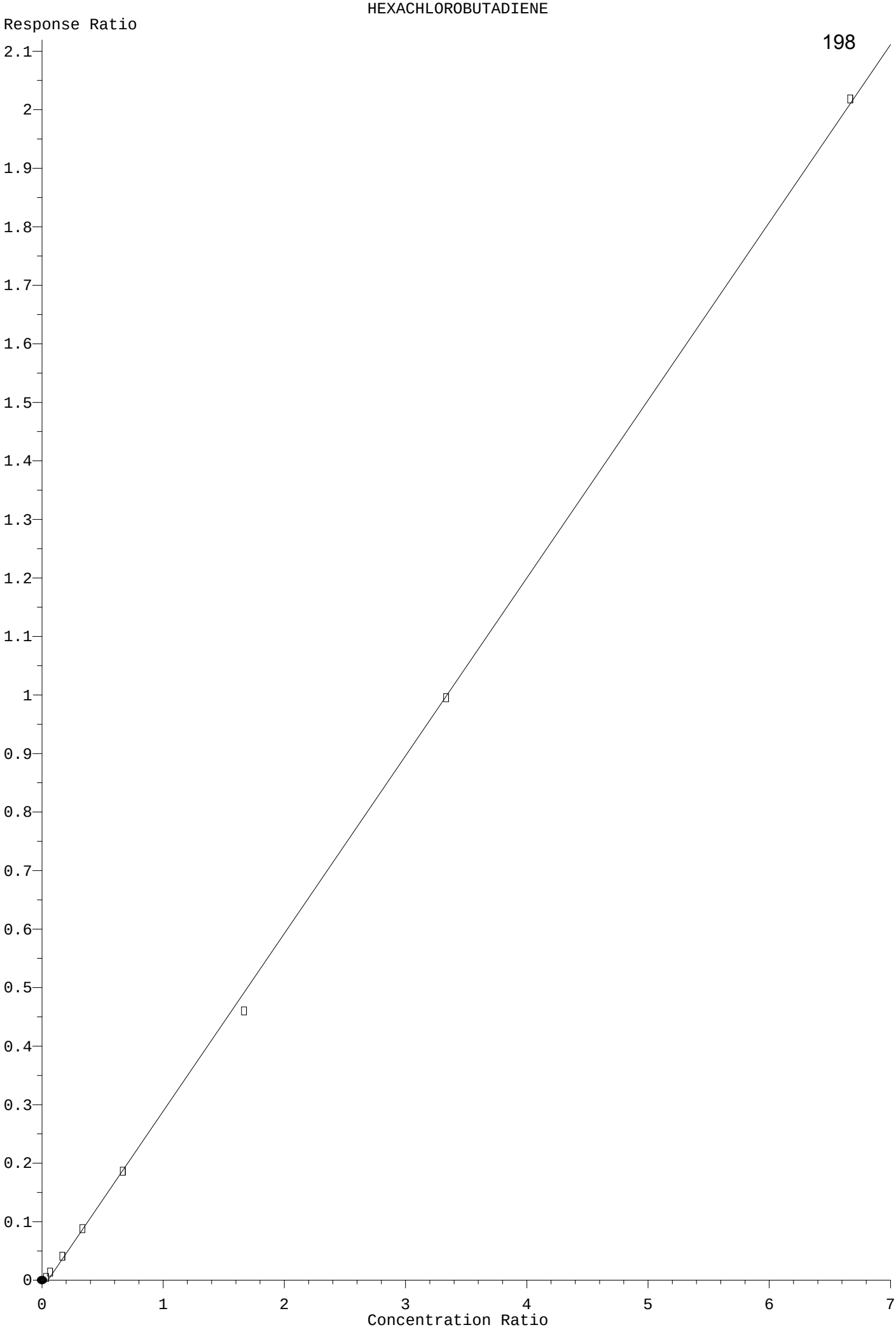
1,2-DIBROMO-3-CHLOROPROPANE



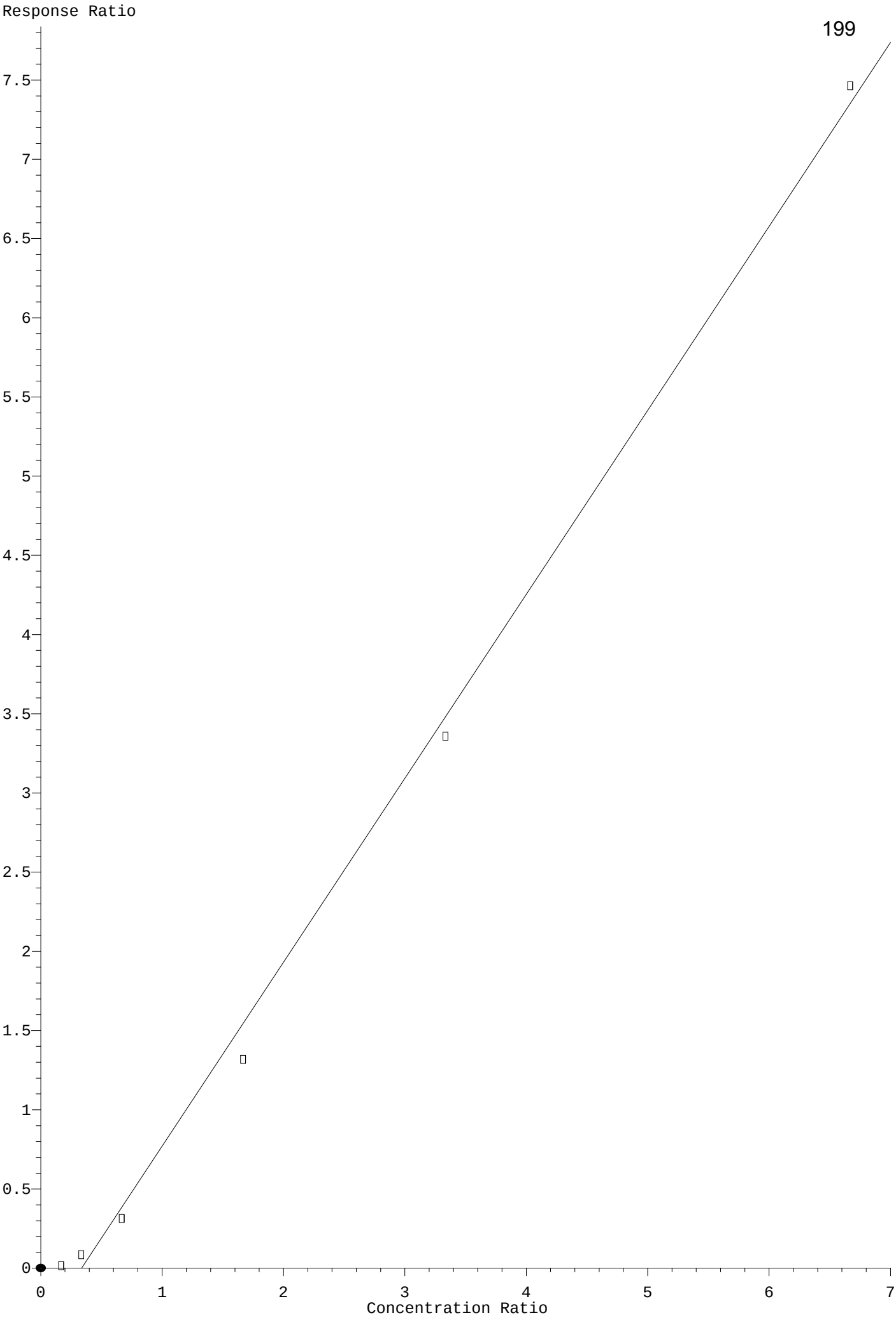

1,3,5-TRICHLOROBENZENE
Response Ratio
196
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
0
1
2
3
4
5
6
7
Concentration Ratio

1,2,4-TRICHLOROBENZENE

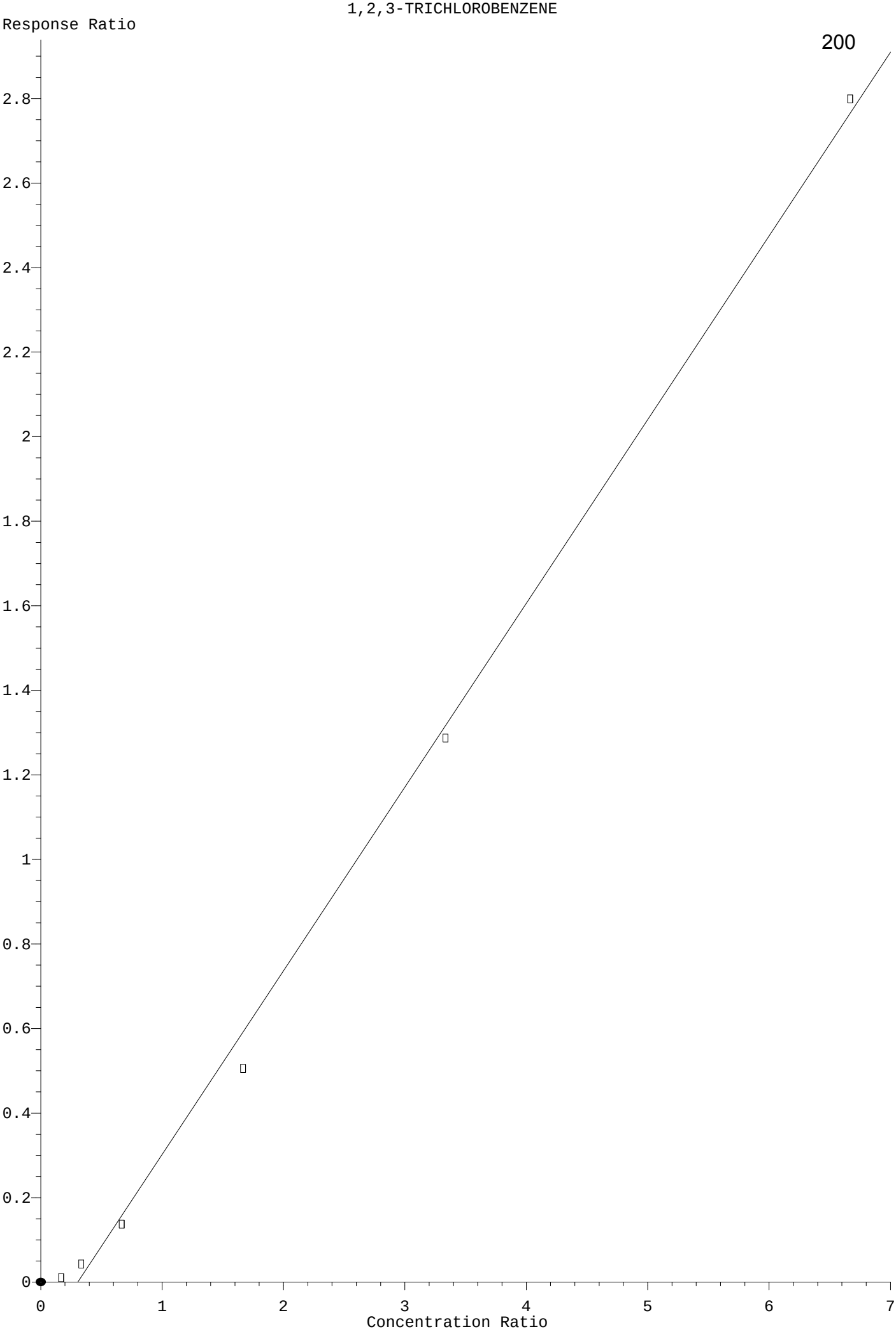



HEXACHLOROBUTADIENE
Response Ratio
198
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
7
Concentration Ratio

NAPHTHALENE



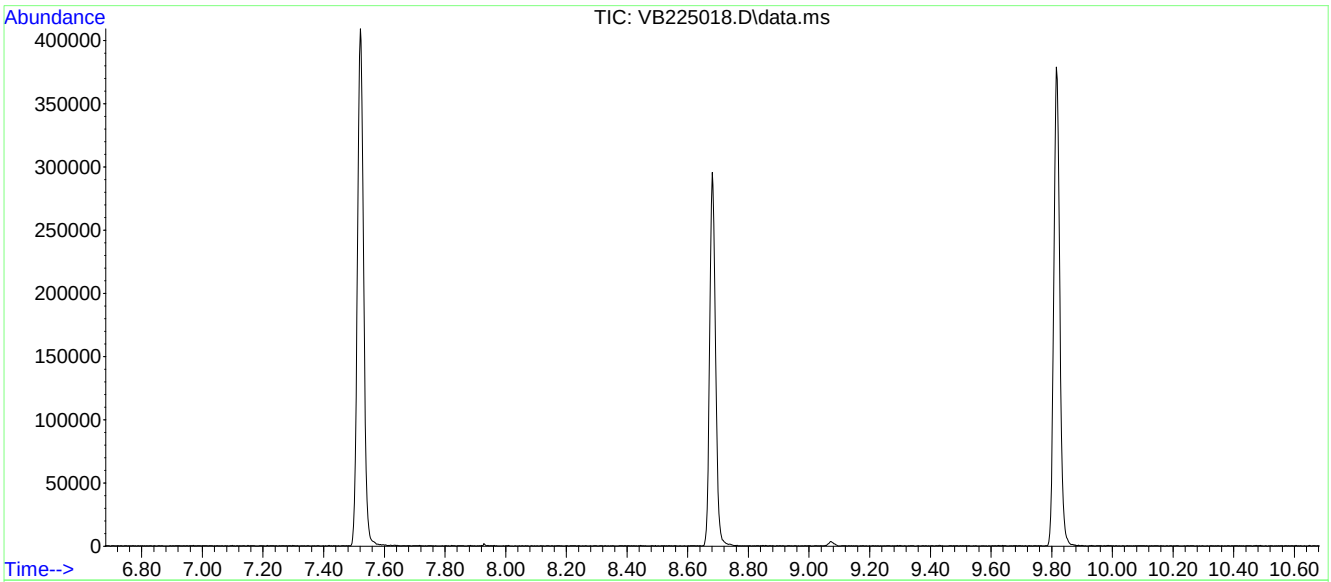
1,2,3-TRICHLOROBENZENE



Data Path : W:\DATA\081313\
Data File : VB225018.D
Acq On : 13 Aug 2013 3:32 pm
Operator :
Sample : BFB
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: 8260LOW.P

Method : W:\METHODS\B0723W13.M
Title : 8260 CALIBRATION VOAMS 5973
Last Update : Tue Jul 03 12:32:45 2012



AutoFind: Scans 2765, 2766, 2767; Background Corrected with Scan 2753

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	11792	PASS
75	95	30	60	52.0	30733	PASS
95	95	100	100	100.0	59048	PASS
96	95	5	9	6.5	3862	PASS
173	174	0.00	2	0.3	146	PASS
174	95	50	100	82.8	48875	PASS
175	174	5	9	7.5	3669	PASS
176	174	95	101	96.4	47115	PASS
177	176	5	9	6.8	3188	PASS

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225019.D Vial: 5
Acq On : 13 Aug 2013 4:03 pm Operator:
Sample : 8260 STD 0.4 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:32:31 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	141307	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	209528	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	112515	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.818	152	90855	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.227	65	80028	25.58	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.32%				
43) TOLUENE-D8 SS	6.121	98	212491	25.78	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.12%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	84758	24.11	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.44%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	913	0.394	UG/L	#	42
4) DIFLUOROCHLOROMETHANE	1.037	51	1285	0.395	UG/L	#	90
5) CHLOROMETHANE	1.132	50	1069	0.393	UG/L	#	41
6) VINYL CHLORIDE	1.188	62	806	0.383	UG/L	#	43
7) BROMOMETHANE	1.366	94	1107	Below Cal			82
8) CHLOROETHANE	1.425	64	372	0.389	UG/L	#	41
9) FLUORODICHLOROMETHANE	1.531	67	1224	0.399	UG/L		94
10) TRICHLOROFLUOROMETHANE	1.570	101	1025	0.397	UG/L		98
11) ETHANOL	0.000		0	N.D.	d		
12) DI ETHYL ETHER	1.737	59	614	0.388	UG/L	#	58
13) ACROLEIN	1.826	56	873	2.754	UG/L	#	87
14) ACETONE	1.921	43	4226	5.823	UG/L		95
15) 1,1-DICHLOROETHENE	1.890	61	918	0.366	UG/L	#	32
16) 1,1,2-TRICL-1,2,2-TRIF...	1.887	101	416m	0.329	UG/L		
17) IODOMETHANE	1.996	142	1515	0.754	UG/L		92
18) METHYL ACETATE	2.150	43	699	0.373	UG/L	#	52
19) T-BUTYL ALCOHOL	2.320	59	548m	2.503	UG/L		
20) ACRYLONITRILE	2.420	53	214m	0.212	UG/L		
21) METHYLENE CHLORIDE	2.222	49	3028	1.285	UG/L		96
22) CARBON DISULFIDE	2.041	76	11827	3.194	UG/L	#	93
23) METHYL TERT-BUTYL ETHE...	2.445	73	1975	0.337	UG/L	#	52
24) TRANS 1,2-DICHLOROETHENE	2.440	61	869	0.291	UG/L	#	69
25) 1,1-DICHLOROETHANE	2.819	63	1244	0.323	UG/L	#	50
26) VINYL ACETATE	2.875	43	17983	3.479	UG/L	#	91
27) DI ISOPROPYL ETHER	2.894	45	2490	0.359	UG/L	#	45
28) 2-BUTANONE	3.441	43	3899	2.915	UG/L	#	87
29) T-BUTYL ETHYL ETHER	3.273	59	2064	0.313	UG/L	#	72
30) CIS-1,2-DICHLOROETHENE	3.399	61	1208	0.334	UG/L	#	74
31) 2,2-DICHLOROPROPANE	3.396	77	811	0.336	UG/L	#	47
32) ETHYL ACETATE	0.000		0	N.D.	d		
33) BROMOCHLOROMETHANE	3.644	128	158m	0.160	UG/L		
34) TETRAHYDROFURAN	0.000		0	N.D.			
35) CHLOROFORM	3.739	83	1273	0.336	UG/L		99
36) 1,1,1-TRICHLOROETHANE	3.904	97	933	0.308	UG/L	#	69
37) CYCLOHEXANE	3.951	56	3803	1.166	UG/L	#	60
38) CARBON TETRACHLORIDE	4.063	117	635	0.250	UG/L		88
39) 1,1-DICHLOROPROPENE	4.071	75	1120	0.404	UG/L	#	42
40) BENZENE	4.277	78	3171	0.371	UG/L	#	88
41) T-AMYLMETHYL ETHER	4.408	73	1671	0.308	UG/L	#	74
44) 1,2-DICHLOROETHANE	4.300	62	1177	0.343	UG/L	#	49
45) TRICHLOROETHENE	4.927	95	618	0.304	UG/L		88
46) METHYLCYCLOHEXANE	5.100	83	644	0.336	UG/L	#	82
47) 1,2-DICHLOROPROPANE	5.142	63	773	0.364	UG/L	#	15
48) DIBROMOMETHANE	5.256	93	412m	0.310	UG/L		
49) 1,4-DIOXANE	0.000		0	N.D.			
50) BROMODICHLOROMETHANE	5.423	83	671	0.262	UG/L	#	25
51) 2-CHLOROETHYLVINYLETHER	5.747	63	3561	3.032	UG/L		97
52) MIBK	6.040	43	7742	3.093	UG/L	#	86
53) CIS-1,3-DICHLOROPROPENE	5.867	75	808	0.257	UG/L	#	32

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225019.D Vial: 5
Acq On : 13 Aug 2013 4:03 pm Operator:
Sample : 8260 STD 0.4 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:32:31 2013

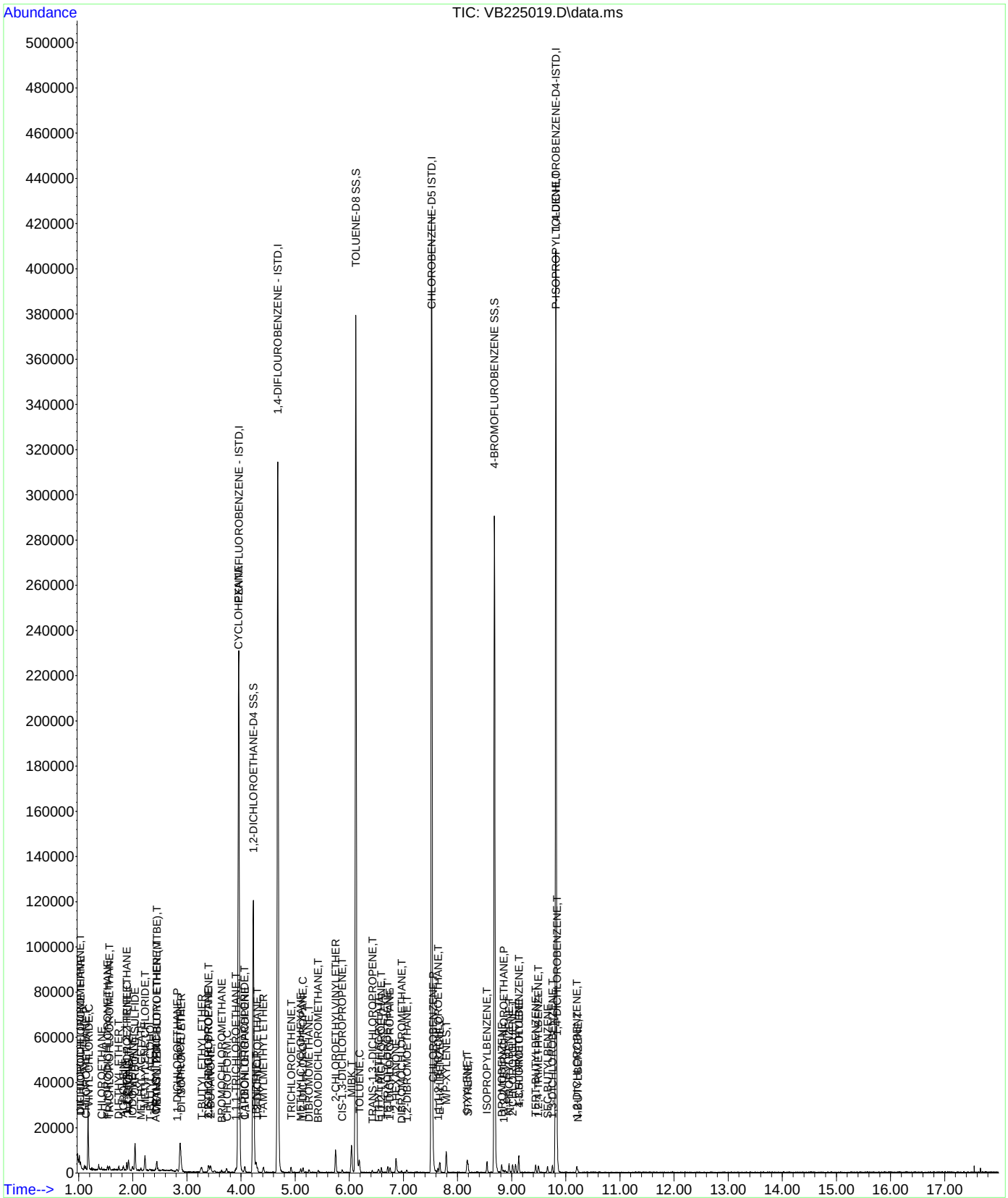
Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
54) TOLUENE	6.188	91	3301	0.383 UG/L	96
55) TRANS-1,3,-DICHLOROPRO...	6.430	75	458m	0.159 UG/L	
56) ETHYL METHACRYLATE	6.547	41	659	0.286 UG/L #	82
57) 1,1,2-TRICHLOROETHANE	6.592	97	602	0.328 UG/L #	14
58) 2-HEXANONE	6.860	43	4227	2.390 UG/L #	86
59) TETRACHLOROETHENE	6.706	164	531	0.340 UG/L #	41
60) 1,3-DICHLOROPROPANE	6.748	76	1239	0.364 UG/L #	74
61) DIBROMOCHLOROMETHANE	6.968	129	319m	2.151 UG/L	
62) 1,2-DIBROMOETHANE	7.066	107	618	0.303 UG/L #	92
65) CHLOROBENZENE	7.548	112	2158	0.373 UG/L #	45
66) 1,1,1,2-TETRACHLOROETHANE	7.640	131	435m	0.230 UG/L	
67) ETHYLBENZENE	7.674	91	3492	0.357 UG/L #	41
68) M/P-XYLENES	7.794	91	5466	0.714 UG/L	90
69) 0-XYLENE	8.173	91	2702	0.336 UG/L	91
70) STYRENE	8.193	104	1749	0.274 UG/L #	71
71) BROMOFORM	0.000		0	N.D.	
72) ISOPROPYLBENZENE	8.544	105	2912	0.315 UG/L	90
73) CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
74) 1,1,2,2-TETRACHLOROETHANE	8.851	83	734	0.276 UG/L #	25
75) 1,4-DICHLORO-2-BUTENE(...	0.000		0	N.D.	
76) BROMOBENZENE	8.814	77	1254	0.307 UG/L	92
77) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
78) N-PROPYLBENZENE	8.951	91	3220	0.322 UG/L #	89
79) 2-CHLOROT0LUENE	9.018	91	2531	0.358 UG/L	92
80) 1,3,5-TRIMETHYLBENZENE	9.132	105	2393	0.302 UG/L	90
81) 4-CHLOROTOLUENE	9.132	91	2650	0.334 UG/L #	88
83) TERT-BUTYLBENZENE	9.445	119	1745	0.328 UG/L	95
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	2011	0.286 UG/L	99
85) SEC-BUTYLBENZENE	9.665	105	2024	0.284 UG/L #	56
86) 1,3-DICHLOROBENZENE	9.751	146	1369	0.349 UG/L	90
87) P-ISOPROPYLTOLUENE	9.816	119	1721	0.285 UG/L #	57
88) 1,4-DICHLOROBENZENE	9.838	146	1427	0.363 UG/L #	51
89) N-BUTYLBENZENE	10.223	91	560	0.120 UG/L #	31
90) 1,2-DICHLOROBENZENE	10.203	146	1287	0.329 UG/L #	68
91) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
92) 1,3,5-TRICHLOROBENZENE	0.000		0	N.D.	
93) 1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
94) HEXACHLOROBUTADIENE	0.000		0	N.D.	
95) NAPHTHALENE	0.000		0	N.D.	
96) 1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	

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

Data File : W:\DATA\081313\VB225019.D Vial: 5
Acq On : 13 Aug 2013 4:03 pm Operator:
Sample : 8260 STD 0.4 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:32:31 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225020.D Vial: 6
Acq On : 13 Aug 2013 4:34 pm Operator:
Sample : 8260 STD 0.5 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:34:59 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.960	168	143539	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	211071	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	112454	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.819	152	90199	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.225	65	81630	25.69	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.76%				
43) TOLUENE-D8 SS	6.121	98	214646	25.85	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.40%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	84081	23.93	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.72%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	1138	0.484	UG/L	#	42
4) DIFLUOROCHLOROMETHANE	1.037	51	1538	0.465	UG/L		97
5) CHLOROMETHANE	1.129	50	1277	0.462	UG/L	#	41
6) VINYL CHLORIDE	1.188	62	1054	0.493	UG/L	#	43
7) BROMOMETHANE	1.372	94	1585	Below Cal		#	77
8) CHLOROETHANE	1.425	64	466	0.479	UG/L		94
9) FLUORODICHLOROMETHANE	1.531	67	1666	0.535	UG/L		92
10) TRICHLOROFLUOROMETHANE	1.573	101	1369	0.522	UG/L		94
11) ETHANOL	0.000		0	N.D.	d		
12) DI ETHYL ETHER	1.740	59	845	0.526	UG/L	#	62
13) ACROLEIN	1.823	56	1372	4.261	UG/L	#	93
14) ACETONE	1.921	43	4703	6.379	UG/L		99
15) 1,1-DICHLOROETHENE	1.888	61	1176	0.462	UG/L	#	74
16) 1,1,2-TRICL-1,2,2-TRIF...	1.888	101	522	0.406	UG/L	#	8
17) IODOMETHANE	1.991	142	2568	1.258	UG/L		100
18) METHYL ACETATE	0.000		0	N.D.	d		
19) T-BUTYL ALCOHOL	2.314	59	807	3.629	UG/L	#	59
20) ACRYLONITRILE	0.000		0	N.D.			
21) METHYLENE CHLORIDE	2.228	49	3021	1.262	UG/L		98
22) CARBON DISULFIDE	2.041	76	15641	4.159	UG/L	#	93
23) METHYL TERT-BUTYL ETHE...	2.445	73	2440	0.409	UG/L		96
24) TRANS 1,2-DICHLOROETHENE	2.437	61	1092	0.360	UG/L	#	73
25) 1,1-DICHLOROETHANE	2.819	63	1616	0.413	UG/L	#	50
26) VINYL ACETATE	2.872	43	22946	4.371	UG/L	#	91
27) DI ISOPROPYL ETHER	2.892	45	3055	0.434	UG/L	#	81
28) 2-BUTANONE	3.435	43	4933	3.631	UG/L	#	87
29) T-BUTYL ETHYL ETHER	3.268	59	2585	0.386	UG/L		97
30) CIS-1,2-DICHLOROETHENE	3.399	61	1518	0.413	UG/L	#	73
31) 2,2-DICHLOROPROPANE	3.396	77	1023	0.417	UG/L	#	47
32) ETHYL ACETATE	0.000		0	N.D.	d		
33) BROMOCHLOROMETHANE	3.633	128	233m	0.233	UG/L		
34) TETRAHYDROFURAN	0.000		0	N.D.			
35) CHLOROFORM	3.734	83	1742	0.453	UG/L	#	17
36) 1,1,1-TRICHLOROETHANE	3.904	97	1165	0.378	UG/L	#	66
37) CYCLOHEXANE	3.957	56	4055	1.224	UG/L	#	64
38) CARBON TETRACHLORIDE	4.068	117	768m	0.297	UG/L		
39) 1,1-DICHLOROPROPENE	4.077	75	1223	0.435	UG/L	#	42
40) BENZENE	4.275	78	3920	0.452	UG/L		92
41) T-AMYLMETHYL ETHER	4.420	73	2214	0.402	UG/L	#	71
44) 1,2-DICHLOROETHANE	4.300	62	1671	0.483	UG/L	#	49
45) TRICHLOROETHENE	4.924	95	891	0.436	UG/L		97
46) METHYLCYCLOHEXANE	5.100	83	828	0.429	UG/L	#	90
47) 1,2-DICHLOROPROPANE	5.139	63	867	0.405	UG/L	#	60
48) DIBROMOMETHANE	5.254	93	550	0.411	UG/L	#	59
49) 1,4-DIOXANE	0.000		0	N.D.			
50) BROMODICHLOROMETHANE	5.429	83	856	0.331	UG/L	#	95
51) 2-CHLOROETHYLVINYLETHER	5.744	63	4795	4.053	UG/L		97
52) MIBK	6.043	43	9694	3.845	UG/L	#	87
53) CIS-1,3-DICHLOROPROPENE	5.867	75	1005	0.318	UG/L	#	81

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225020.D Vial: 6
Acq On : 13 Aug 2013 4:34 pm Operator:
Sample : 8260 STD 0.5 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:34:59 2013

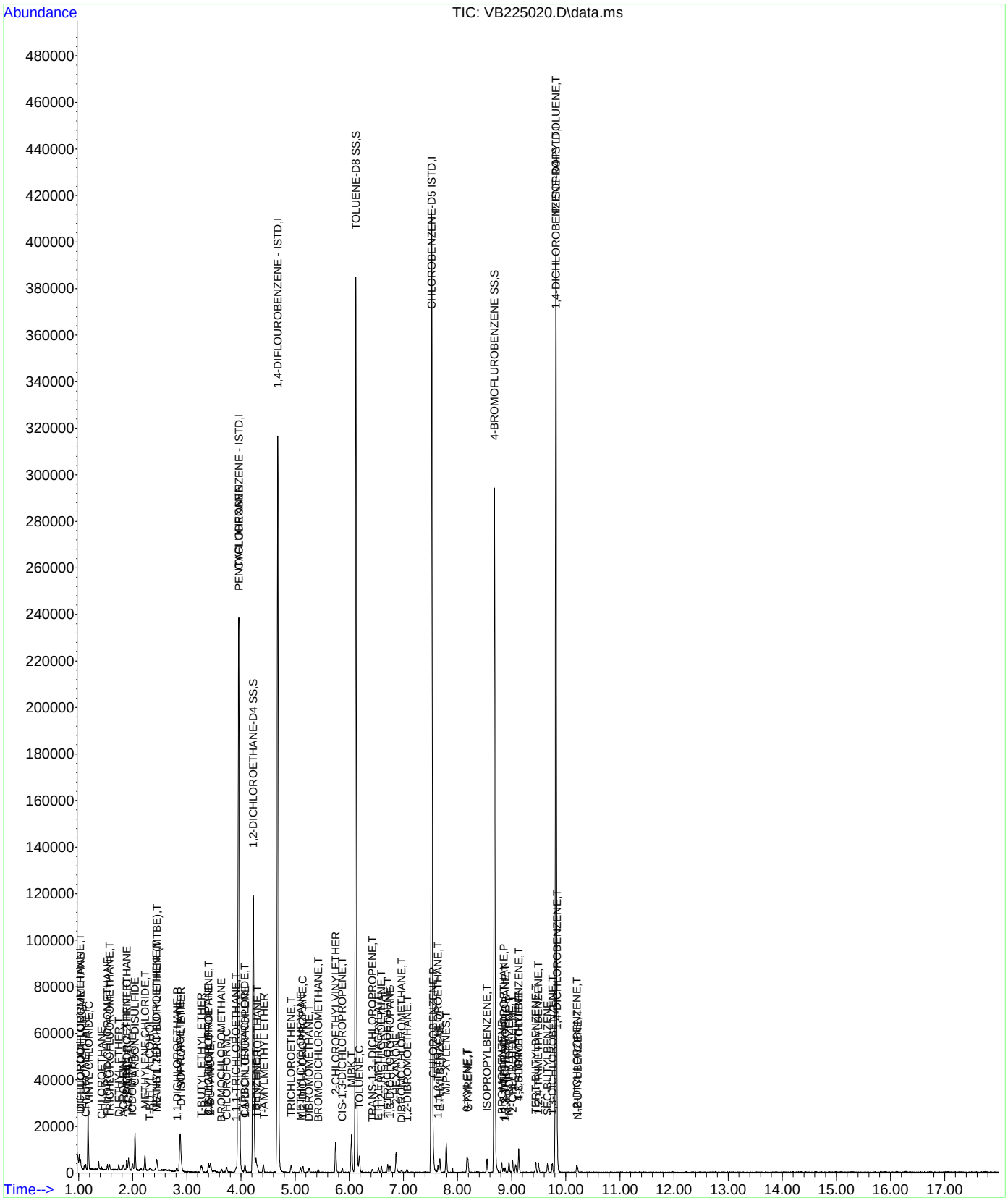
Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
54) TOLUENE	6.185	91	4215	0.485 UG/L	92
55) TRANS-1,3,-DICHLOROPRO...	6.425	75	724	0.249 UG/L #	35
56) ETHYL METHACRYLATE	6.534	41	665	0.287 UG/L #	90
57) 1,1,2-TRICHLOROETHANE	6.589	97	787	0.426 UG/L #	69
58) 2-HEXANONE	6.865	43	5558	3.120 UG/L #	83
59) TETRACHLOROETHENE	6.709	164	621	0.395 UG/L	89
60) 1,3-DICHLOROPROPANE	6.751	76	1449	0.423 UG/L #	80
61) DIBROMOCHLOROMETHANE	6.966	129	474m	2.215 UG/L	
62) 1,2-DIBROMOETHANE	7.069	107	789	0.384 UG/L #	99
65) CHLOROBENZENE	7.549	112	2548	0.440 UG/L #	47
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	592	0.313 UG/L #	66
67) ETHYLBENZENE	7.671	91	4325	0.442 UG/L	89
68) M/P-XYLENES	7.791	91	6926	0.906 UG/L	93
69) 0-XYLENE	8.170	91	3346	0.416 UG/L	94
70) STYRENE	8.193	104	2375	0.373 UG/L #	69
71) BROMOFORM	0.000		0	N.D.	
72) ISOPROPYLBENZENE	8.544	105	3609	0.390 UG/L	95
73) CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
74) 1,1,2,2-TETRACHLOROETHANE	8.851	83	901	0.339 UG/L #	94
75) 1,4-DICHLORO-2-BUTENE(...	0.000		0	N.D.	
76) BROMOBENZENE	8.815	77	1955	0.479 UG/L	86
77) 1,2,3-TRICHLOROPROPANE	8.884	110	289m	0.323 UG/L	
78) N-PROPYLBENZENE	8.951	91	3910	0.392 UG/L #	86
79) 2-CHLOROT0LUENE	9.015	91	3163	0.448 UG/L	88
80) 1,3,5-TRIMETHYLBENZENE	9.130	105	2979	0.377 UG/L	90
81) 4-CHLOROTOLUENE	9.130	91	3345	0.422 UG/L	92
83) TERT-BUTYLBENZENE	9.445	119	2436	0.461 UG/L	93
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	2737	0.392 UG/L	94
85) SEC-BUTYLBENZENE	9.662	105	2801	0.396 UG/L	94
86) 1,3-DICHLOROBENZENE	9.752	146	1673	0.430 UG/L #	94
87) P-ISOPROPYLTOLUENE	9.816	119	2157	0.359 UG/L #	66
88) 1,4-DICHLOROBENZENE	9.838	146	1814	0.465 UG/L #	66
89) N-BUTYLBENZENE	10.220	91	821	0.178 UG/L #	31
90) 1,2-DICHLOROBENZENE	10.206	146	1450	0.374 UG/L	98
91) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
92) 1,3,5-TRICHLOROBENZENE	0.000		0	N.D.	
93) 1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
94) HEXACHLOROBUTADIENE	0.000		0	N.D.	
95) NAPHTHALENE	0.000		0	N.D.	
96) 1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	

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

Data File : W:\DATA\081313\VB225020.D Vial: 6
Acq On : 13 Aug 2013 4:34 pm Operator:
Sample : 8260 STD 0.5 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:34:59 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225021.D Vial: 7
Acq On : 13 Aug 2013 5:04 pm Operator:
Sample : 8260 STD 1.0 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:36:49 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	145112	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	210888	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.520	82	111471	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.815	152	91725	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	82048	25.54	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.16%				
43) TOLUENE-D8 SS	6.121	98	214567	25.86	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.44%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	84119	24.15	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.60%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.031	85	2470	1.039	UG/L		93
4) DIFLUOROCHLOROMETHANE	1.034	51	3286	0.984	UG/L		99
5) CHLOROMETHANE	1.129	50	2818	1.010	UG/L		93
6) VINYL CHLORIDE	1.187	62	2034	0.942	UG/L		97
7) BROMOMETHANE	1.369	94	2690	Below Cal		#	79
8) CHLOROETHANE	1.424	64	972	0.989	UG/L		95
9) FLUORODICHLOROMETHANE	1.533	67	3176	1.008	UG/L		100
10) TRICHLOROFLUOROMETHANE	1.572	101	2776	1.048	UG/L		98
11) ETHANOL	0.000		0	N.D.	d		
12) DI ETHYL ETHER	1.742	59	1542	0.949	UG/L		94
13) ACROLEIN	1.823	56	2600	7.986	UG/L	#	92
14) ACETONE	1.921	43	8453	11.342	UG/L		96
15) 1,1-DICHLOROETHENE	1.887	61	2398	0.932	UG/L		97
16) 1,1,2-TRICL-1,2,2-TRIF...	1.887	101	1138	0.876	UG/L		90
17) IODOMETHANE	1.993	142	7318	3.545	UG/L		98
18) METHYL ACETATE	2.150	43	1778	0.924	UG/L	#	81
19) T-BUTYL ALCOHOL	2.320	59	1747	7.772	UG/L	#	59
20) ACRYLONITRILE	2.423	53	525	0.508	UG/L	#	18
21) METHYLENE CHLORIDE	2.222	49	4207	1.739	UG/L		99
22) CARBON DISULFIDE	2.041	76	35138	9.241	UG/L	#	92
23) METHYL TERT-BUTYL ETHE...	2.448	73	4918	0.816	UG/L		93
24) TRANS 1,2-DICHLOROETHENE	2.442	61	2322	0.758	UG/L		96
25) 1,1-DICHLOROETHANE	2.813	63	3507	0.886	UG/L	#	88
26) VINYL ACETATE	2.872	43	48261	9.093	UG/L	#	93
27) DI ISOPROPYL ETHER	2.894	45	6233	0.876	UG/L	#	87
28) 2-BUTANONE	3.435	43	10566	7.693	UG/L	#	94
29) T-BUTYL ETHYL ETHER	3.268	59	5529	0.816	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.404	61	3225	0.868	UG/L		98
31) 2,2-DICHLOROPROPANE	3.399	77	2192	0.884	UG/L	#	73
32) ETHYL ACETATE	3.505	43	2482	0.768	UG/L	#	77
33) BROMOCHLOROMETHANE	3.639	128	790	0.780	UG/L	#	77
34) TETRAHYDROFURAN	3.700	42	448m	0.555	UG/L		
35) CHLOROFORM	3.731	83	3680	0.946	UG/L		95
36) 1,1,1-TRICHLOROETHANE	3.904	97	2720	0.874	UG/L		95
37) CYCLOHEXANE	3.954	56	5392	1.610	UG/L	#	71
38) CARBON TETRACHLORIDE	4.068	117	1989	0.762	UG/L		90
39) 1,1-DICHLOROPROPENE	4.071	75	2549	0.896	UG/L		94
40) BENZENE	4.277	78	7807	0.891	UG/L		99
41) T-AMYLMETHYL ETHER	4.411	73	4864	0.874	UG/L	#	90
44) 1,2-DICHLOROETHANE	4.305	62	3435	0.993	UG/L	#	49
45) TRICHLOROETHENE	4.924	95	2068	1.012	UG/L		92
46) METHYLCYCLOHEXANE	5.100	83	1556	0.807	UG/L	#	88
47) 1,2-DICHLOROPROPANE	5.139	63	1921	0.899	UG/L		94
48) DIBROMOMETHANE	5.253	93	1159	0.868	UG/L		94
49) 1,4-DIOXANE	0.000		0	N.D.			
50) BROMODICHLOROMETHANE	5.423	83	2020	0.782	UG/L	#	92
51) 2-CHLOROETHYLVINYLETHER	5.744	63	10219	8.645	UG/L		98
52) MIBK	6.037	43	20899	8.296	UG/L	#	90
53) CIS-1,3-DICHLOROPROPENE	5.864	75	2186	0.691	UG/L	#	85

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225021.D Vial: 7
Acq On : 13 Aug 2013 5:04 pm Operator:
Sample : 8260 STD 1.0 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:36:49 2013

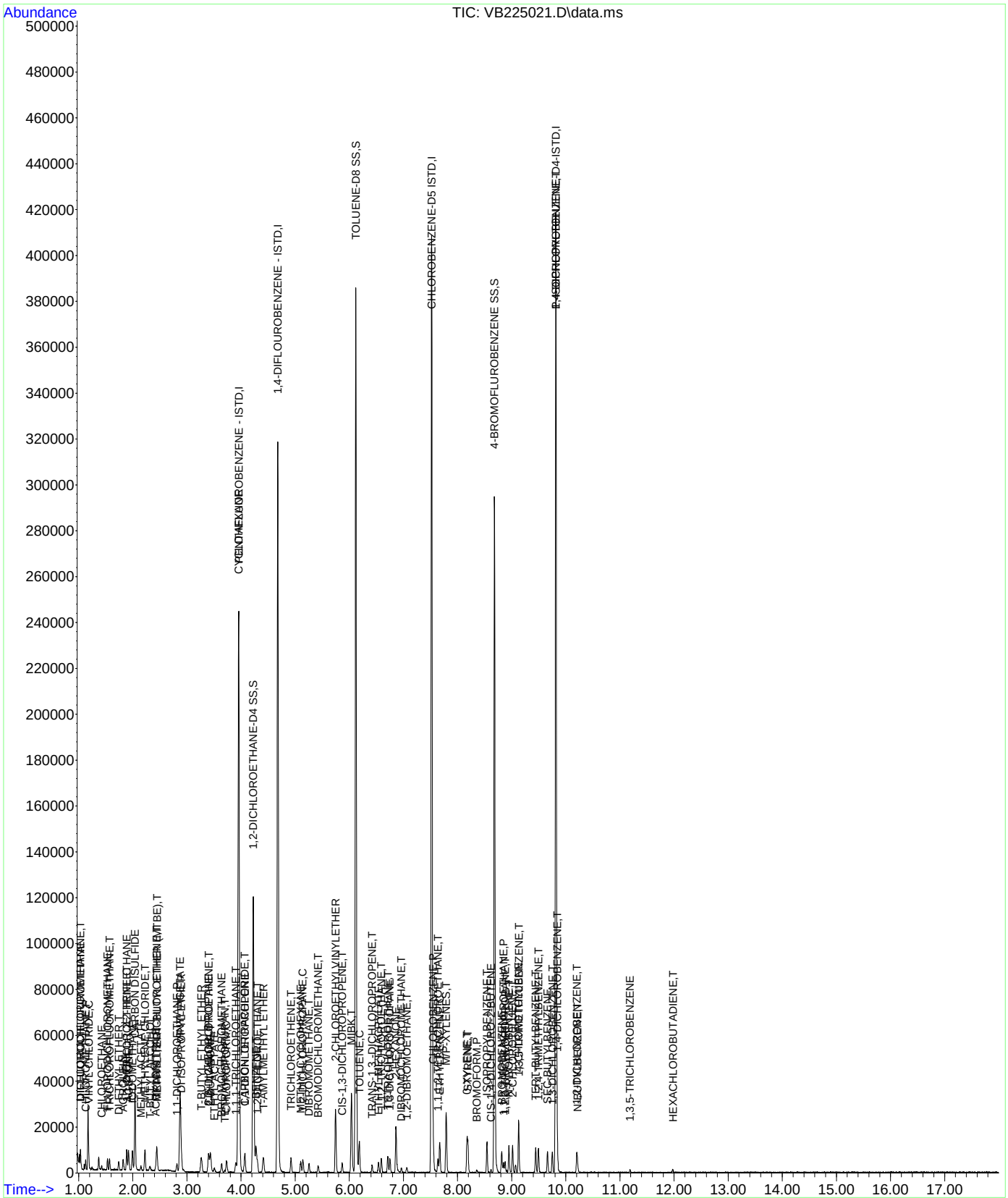
Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) TOLUENE	6.187	91	8379	0.966	UG/L		98
55) TRANS-1,3,-DICHLOROPRO...	6.422	75	1640	0.564	UG/L	#	81
56) ETHYL METHACRYLATE	6.536	41	1666	0.719	UG/L	#	98
57) 1,1,2-TRICHLOROETHANE	6.592	97	1674	0.907	UG/L		95
58) 2-HEXANONE	6.860	43	12404	6.968	UG/L	#	89
59) TETRACHLOROETHENE	6.715	164	1429	0.910	UG/L		92
60) 1,3-DICHLOROPROPANE	6.748	76	3058	0.894	UG/L		99
61) DIBROMOCHLOROMETHANE	6.960	129	1059	2.460	UG/L		97
62) 1,2-DIBROMOETHANE	7.060	107	1637	0.797	UG/L	#	93
65) CHLOROBENZENE	7.548	112	5589	0.974	UG/L	#	47
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	1293	0.690	UG/L		95
67) ETHYLBENZENE	7.671	91	8906	0.918	UG/L		94
68) M/P-XYLENES	7.791	91	14676	1.936	UG/L		92
69) 0-XYLENE	8.170	91	7467	0.937	UG/L		92
70) STYRENE	8.190	104	4810	0.762	UG/L		96
71) BROMOFORM	8.354	173	610m	4.839	UG/L		
72) ISOPROPYLBENZENE	8.541	105	8029	0.876	UG/L		93
73) CIS-1,4-DICHLORO-2-BUTENE	8.616	53	302	0.316	UG/L	#	23
74) 1,1,2,2-TETRACHLOROETHANE	8.848	83	2144	0.814	UG/L	#	89
75) 1,4-DICHLORO-2-BUTENE(...	0.000		0	N.D.			
76) BROMOBENZENE	8.814	77	3731	0.922	UG/L		94
77) 1,2,3-TRICHLOROPROPANE	8.881	110	644	0.726	UG/L	#	62
78) N-PROPYLBENZENE	8.948	91	8435	0.853	UG/L		93
79) 2-CHLOROT0LUENE	9.018	91	6624	0.946	UG/L		94
80) 1,3,5-TRIMETHYLBENZENE	9.132	105	6425	0.820	UG/L		95
81) 4-CHLOROTOLUENE	9.127	91	7075	0.900	UG/L		93
83) TERT-BUTYLBENZENE	9.445	119	4821	0.898	UG/L		92
84) 1,2,4-TRIMETHYLBENZENE	9.495	105	6121	0.861	UG/L		96
85) SEC-BUTYLBENZENE	9.662	105	6395	0.888	UG/L		96
86) 1,3-DICHLOROBENZENE	9.754	146	3598	0.909	UG/L		96
87) P-ISOPROPYLTOLUENE	9.815	119	5024	0.823	UG/L		93
88) 1,4-DICHLOROBENZENE	9.841	146	3792	0.955	UG/L		94
89) N-BUTYLBENZENE	10.217	91	2213	0.471	UG/L	#	79
90) 1,2-DICHLOROBENZENE	10.203	146	3287	0.833	UG/L		98
91) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.			
92) 1,3,5-TRICHLOROBENZENE	11.188	180	536	0.242	UG/L	#	79
93) 1,2,4-TRICHLOROBENZENE	0.000		0	N.D.			
94) HEXACHLOROBUTADIENE	11.982	225	411m	0.500	UG/L		
95) NAPHTHALENE	0.000		0	N.D.			
96) 1,2,3-TRICHLOROBENZENE	0.000		0	N.D.			

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

Data File : W:\DATA\081313\VB225021.D Vial: 7
Acq On : 13 Aug 2013 5:04 pm Operator:
Sample : 8260 STD 1.0 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:36:49 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225022.D Vial: 8
Acq On : 13 Aug 2013 5:35 pm Operator:
Sample : 8260 STD 2.0 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:37:35 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	144964	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	210021	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	112837	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	96518	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	81734	25.47	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.88%				
43) TOLUENE-D8 SS	6.121	98	213280	25.81	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.24%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	85674	24.30	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.20%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.031	85	5261	2.215	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.037	51	6570	1.969	UG/L		99
5) CHLOROMETHANE	1.129	50	5450	1.954	UG/L		99
6) VINYL CHLORIDE	1.188	62	4280	1.984	UG/L		95
7) BROMOMETHANE	1.369	94	4181	3.079	UG/L		91
8) CHLOROETHANE	1.427	64	2186	2.227	UG/L		99
9) FLUORODICHLOROMETHANE	1.533	67	6821	2.167	UG/L		98
10) TRICHLOROFLUOROMETHANE	1.570	101	6255	2.364	UG/L		95
11) ETHANOL	0.000		0	N.D.	d		
12) DI ETHYL ETHER	1.737	59	3160	1.947	UG/L		96
13) ACROLEIN	1.823	56	5627	17.302	UG/L	#	98
14) ACETONE	1.918	43	14035	18.850	UG/L		98
15) 1,1-DICHLOROETHENE	1.887	61	5443	2.117	UG/L		98
16) 1,1,2-TRICL-1,2,2-TRIF...	1.887	101	2788	2.148	UG/L		96
17) IODOMETHANE	1.991	142	23051	11.178	UG/L		97
18) METHYL ACETATE	2.150	43	3375	1.757	UG/L		93
19) T-BUTYL ALCOHOL	2.314	59	3517	15.662	UG/L	#	85
20) ACRYLONITRILE	2.423	53	1344	1.301	UG/L		96
21) METHYLENE CHLORIDE	2.225	49	6678	2.762	UG/L		97
22) CARBON DISULFIDE	2.041	76	79836	21.018	UG/L	#	93
23) METHYL TERT-BUTYL ETHE...	2.445	73	10392	1.726	UG/L		96
24) TRANS 1,2-DICHLOROETHENE	2.442	61	5076	1.659	UG/L		97
25) 1,1-DICHLOROETHANE	2.813	63	7599	1.922	UG/L		97
26) VINYL ACETATE	2.875	43	103742	19.565	UG/L	#	92
27) DI ISOPROPYL ETHER	2.894	45	13486	1.896	UG/L		91
28) 2-BUTANONE	3.435	43	21864	15.936	UG/L		96
29) T-BUTYL ETHYL ETHER	3.265	59	11995	1.772	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.405	61	6766	1.824	UG/L		97
31) 2,2-DICHLOROPROPANE	3.396	77	4802	1.938	UG/L		95
32) ETHYL ACETATE	3.505	43	5066	1.569	UG/L	#	86
33) BROMOCHLOROMETHANE	3.644	128	1948	1.926	UG/L		98
34) TETRAHYDROFURAN	3.700	42	1154m	1.430	UG/L		
35) CHLOROFORM	3.731	83	7843	2.018	UG/L		100
36) 1,1,1-TRICHLOROETHANE	3.904	97	6114	1.967	UG/L		98
37) CYCLOHEXANE	3.951	56	8375	2.504	UG/L	#	82
38) CARBON TETRACHLORIDE	4.065	117	4267	1.636	UG/L		99
39) 1,1-DICHLOROPROPENE	4.074	75	5817	2.047	UG/L		95
40) BENZENE	4.280	78	17249	1.970	UG/L		96
41) T-AMYLMETHYL ETHER	4.411	73	10148	1.825	UG/L	#	93
44) 1,2-DICHLOROETHANE	4.300	62	7271	2.111	UG/L	#	89
45) TRICHLOROETHENE	4.922	95	4375	2.150	UG/L		92
46) METHYLCYCLOHEXANE	5.100	83	3836	1.998	UG/L		96
47) 1,2-DICHLOROPROPANE	5.142	63	4205	1.976	UG/L		95
48) DIBROMOMETHANE	5.256	93	2595	1.951	UG/L		98
49) 1,4-DIOXANE	0.000		0	N.D.			
50) BROMODICHLOROMETHANE	5.421	83	4386	1.706	UG/L	#	95
51) 2-CHLOROETHYLVINYLETHER	5.744	63	22404	19.031	UG/L		98
52) MIBK	6.037	43	45220	18.024	UG/L	#	90
53) CIS-1,3-DICHLOROPROPENE	5.870	75	5049	1.603	UG/L		94

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225022.D Vial: 8
Acq On : 13 Aug 2013 5:35 pm Operator:
Sample : 8260 STD 2.0 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:37:35 2013

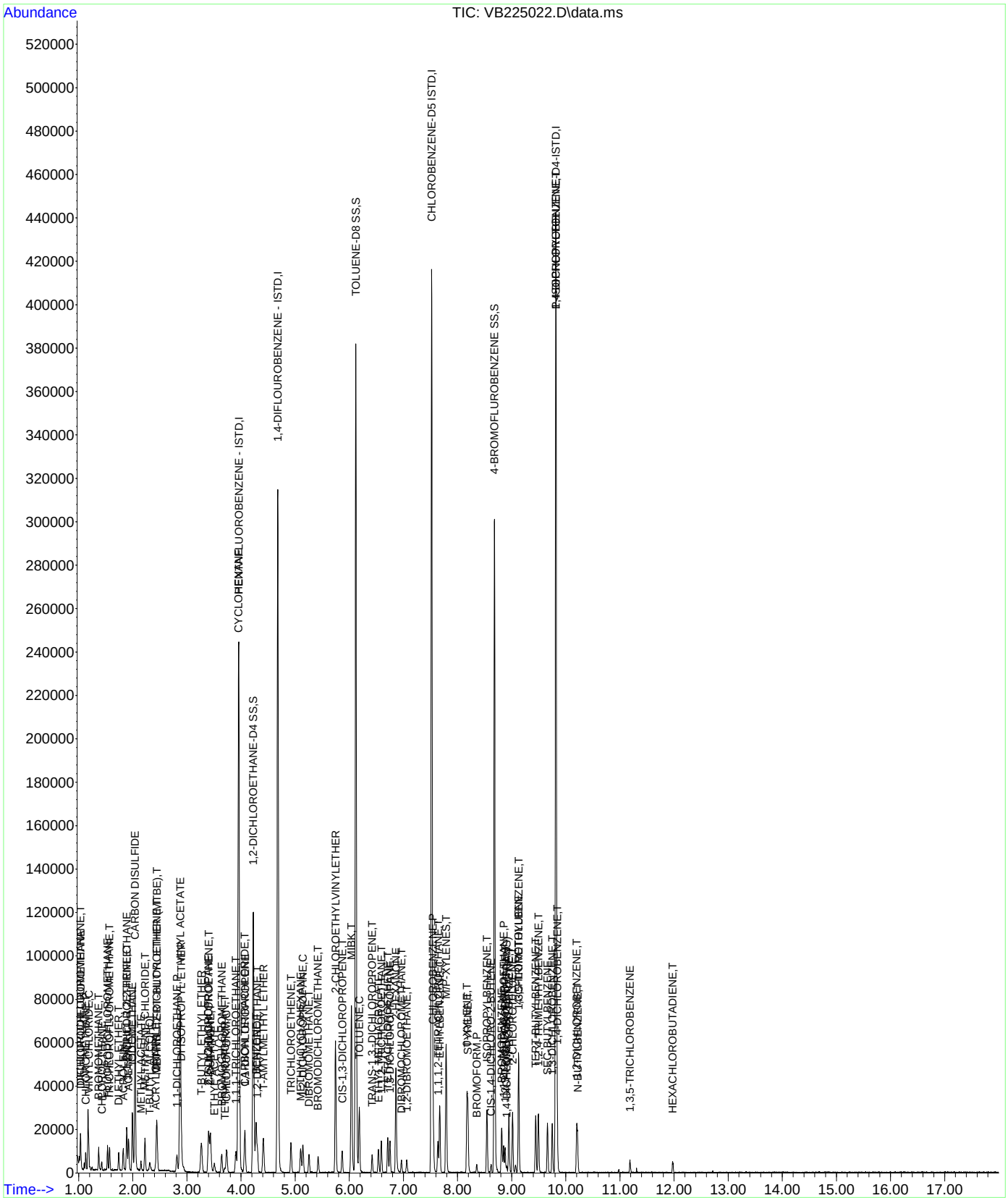
Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) TOLUENE	6.185	91	18096	2.094	UG/L		96
55) TRANS-1,3,-DICHLOROPRO...	6.422	75	3761	1.299	UG/L	#	97
56) ETHYL METHACRYLATE	6.542	41	3712	1.607	UG/L		92
57) 1,1,2-TRICHLOROETHANE	6.595	97	3992	2.172	UG/L		95
58) 2-HEXANONE	6.860	43	28191	15.903	UG/L	#	91
59) TETRACHLOROETHENE	6.712	164	3294	2.106	UG/L		98
60) 1,3-DICHLOROPROPANE	6.751	76	6763	1.985	UG/L		100
61) DIBROMOCHLOROMETHANE	6.963	129	2717	3.157	UG/L		98
62) 1,2-DIBROMOETHANE	7.060	107	3885	1.900	UG/L	#	94
65) CHLOROBENZENE	7.546	112	11571	1.992	UG/L	#	82
66) 1,1,1,2-TETRACHLOROETHANE	7.640	131	3284	1.731	UG/L		95
67) ETHYLBENZENE	7.671	91	20012	2.038	UG/L		94
68) M/P-XYLENES	7.791	91	31636	4.124	UG/L		92
69) 0-XYLENE	8.173	91	16391	2.031	UG/L		95
70) STYRENE	8.190	104	11367	1.778	UG/L		98
71) BROMOFORM	8.352	173	1498	5.299	UG/L	#	97
72) ISOPROPYLBENZENE	8.544	105	17584	1.896	UG/L		96
73) CIS-1,4-DICHLORO-2-BUTENE	8.619	53	938	0.970	UG/L	#	58
74) 1,1,2,2-TETRACHLOROETHANE	8.851	83	4856	1.820	UG/L	#	95
75) 1,4-DICHLORO-2-BUTENE(...	8.909	53	794	4.269	UG/L	#	26
76) BROMOBENZENE	8.812	77	8311	2.029	UG/L		94
77) 1,2,3-TRICHLOROPROPANE	8.881	110	1600	1.781	UG/L		79
78) N-PROPYLBENZENE	8.948	91	19348	1.932	UG/L		92
79) 2-CHLOROT0LUENE	9.015	91	14450	2.040	UG/L		93
80) 1,3,5-TRIMETHYLBENZENE	9.130	105	15094	1.902	UG/L		96
81) 4-CHLOROTOLUENE	9.127	91	15724	1.976	UG/L		93
83) TERT-BUTYLBENZENE	9.445	119	11208	1.984	UG/L		95
84) 1,2,4-TRIMETHYLBENZENE	9.495	105	14254	1.906	UG/L		100
85) SEC-BUTYLBENZENE	9.659	105	14250	1.881	UG/L		97
86) 1,3-DICHLOROBENZENE	9.749	146	7992	1.919	UG/L		99
87) P-ISOPROPYLTOLUENE	9.816	119	11547	1.798	UG/L		96
88) 1,4-DICHLOROBENZENE	9.843	146	8361	2.002	UG/L		96
89) N-BUTYLBENZENE	10.220	91	6435	1.300	UG/L		92
90) 1,2-DICHLOROBENZENE	10.200	146	7855	1.892	UG/L		97
91) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.			
92) 1,3,5-TRICHLOROBENZENE	11.185	180	1851	0.793	UG/L		98
93) 1,2,4-TRICHLOROBENZENE	0.000		0	N.D.			
94) HEXACHLOROBUTADIENE	11.974	225	1320	1.528	UG/L	#	80
95) NAPHTHALENE	0.000		0	N.D.			
96) 1,2,3-TRICHLOROBENZENE	0.000		0	N.D.			

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

Data File : W:\DATA\081313\VB225022.D Vial: 8
Acq On : 13 Aug 2013 5:35 pm Operator:
Sample : 8260 STD 2.0 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 10:37:35 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225023.D Vial: 9
Acq On : 13 Aug 2013 6:06 pm Operator:
Sample : 8260 STD 5.0 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 18:24:46 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	140547	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	205344	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	111412	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	98262	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.227	65	79901	25.68	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.72%				
43) TOLUENE-D8 SS	6.121	98	210553	26.06	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.24%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	85546	24.57	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.28%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	13486	5.857	UG/L		96
4) DIFLUOROCHLOROMETHANE	1.037	51	16433	5.079	UG/L		99
5) CHLOROMETHANE	1.129	50	12936	4.785	UG/L		100
6) VINYL CHLORIDE	1.188	62	10760	5.144	UG/L		99
7) BROMOMETHANE	1.369	94	7257	10.730	UG/L		89
8) CHLOROETHANE	1.425	64	5279	5.547	UG/L		99
9) FLUORODICHLOROMETHANE	1.531	67	17269	5.660	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.572	101	15308	5.967	UG/L		98
11) ETHANOL	1.676	45	751	40.789	UG/L	#	44
12) DI ETHYL ETHER	1.737	59	7451	4.736	UG/L		93
13) ACROLEIN	1.821	56	14063	44.600	UG/L	#	100
14) ACETONE	1.921	43	32366	44.836	UG/L		97
15) 1,1-DICHLOROETHENE	1.888	61	13750	5.516	UG/L		99
16) 1,1,2-TRICL-1,2,2-TRIF...	1.888	101	7023	5.581	UG/L		94
17) IODOMETHANE	1.991	142	79854	39.942	UG/L		98
18) METHYL ACETATE	2.150	43	8386	4.502	UG/L		98
19) T-BUTYL ALCOHOL	2.320	59	8556	39.298	UG/L		93
20) ACRYLONITRILE	2.423	53	3489	3.483	UG/L		97
21) METHYLENE CHLORIDE	2.225	49	13386	5.711	UG/L		99
22) CARBON DISULFIDE	2.038	76	212790	57.781	UG/L	#	93
23) METHYL TERT-BUTYL ETHE...	2.445	73	26287	4.503	UG/L		94
24) TRANS 1,2-DICHLOROETHENE	2.440	61	12727	4.290	UG/L		95
25) 1,1-DICHLOROETHANE	2.816	63	19586	5.110	UG/L		99
26) VINYL ACETATE	2.872	43	265856	51.715	UG/L	#	92
27) DI ISOPROPYL ETHER	2.889	45	33955	4.924	UG/L		93
28) 2-BUTANONE	3.432	43	53732	40.395	UG/L		98
29) T-BUTYL ETHYL ETHER	3.265	59	30055	4.580	UG/L		98
30) CIS-1,2-DICHLOROETHENE	3.402	61	17282	4.804	UG/L		98
31) 2,2-DICHLOROPROPANE	3.396	77	12659	5.270	UG/L		99
32) ETHYL ACETATE	3.505	43	12925	4.129	UG/L		95
33) BROMOCHLOROMETHANE	3.642	128	5058	5.157	UG/L		97
34) TETRAHYDROFURAN	3.703	42	2973	3.800	UG/L	#	94
35) CHLOROFORM	3.734	83	19837	5.264	UG/L		98
36) 1,1,1-TRICHLOROETHANE	3.904	97	15697	5.208	UG/L		99
37) CYCLOHEXANE	3.954	56	16249	5.010	UG/L		91
38) CARBON TETRACHLORIDE	4.065	117	11609	4.592	UG/L		99
39) 1,1-DICHLOROPROPENE	4.074	75	14440	5.240	UG/L		96
40) BENZENE	4.277	78	43013	5.066	UG/L		99
41) T-AMYLMETHYL ETHER	4.411	73	25659	4.759	UG/L	#	92
44) 1,2-DICHLOROETHANE	4.302	62	18495	5.492	UG/L		98
45) TRICHLOROETHENE	4.922	95	10937	5.498	UG/L		93
46) METHYLCYCLOHEXANE	5.103	83	10348	5.513	UG/L		95
47) 1,2-DICHLOROPROPANE	5.139	63	10668	5.128	UG/L		99
48) DIBROMOMETHANE	5.253	93	6956	5.348	UG/L		100
49) 1,4-DIOXANE	5.295	88	667	34.822	UG/L	#	16
50) BROMODICHLOROMETHANE	5.423	83	11936	4.748	UG/L	#	99
51) 2-CHLOROETHYLVINYLETHER	5.747	63	57422	49.889	UG/L		99
52) MIBK	6.037	43	115151	46.943	UG/L	#	90
53) CIS-1,3-DICHLOROPROPENE	5.867	75	14105	4.581	UG/L		98

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225023.D Vial: 9
Acq On : 13 Aug 2013 6:06 pm Operator:
Sample : 8260 STD 5.0 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 18:24:46 2013

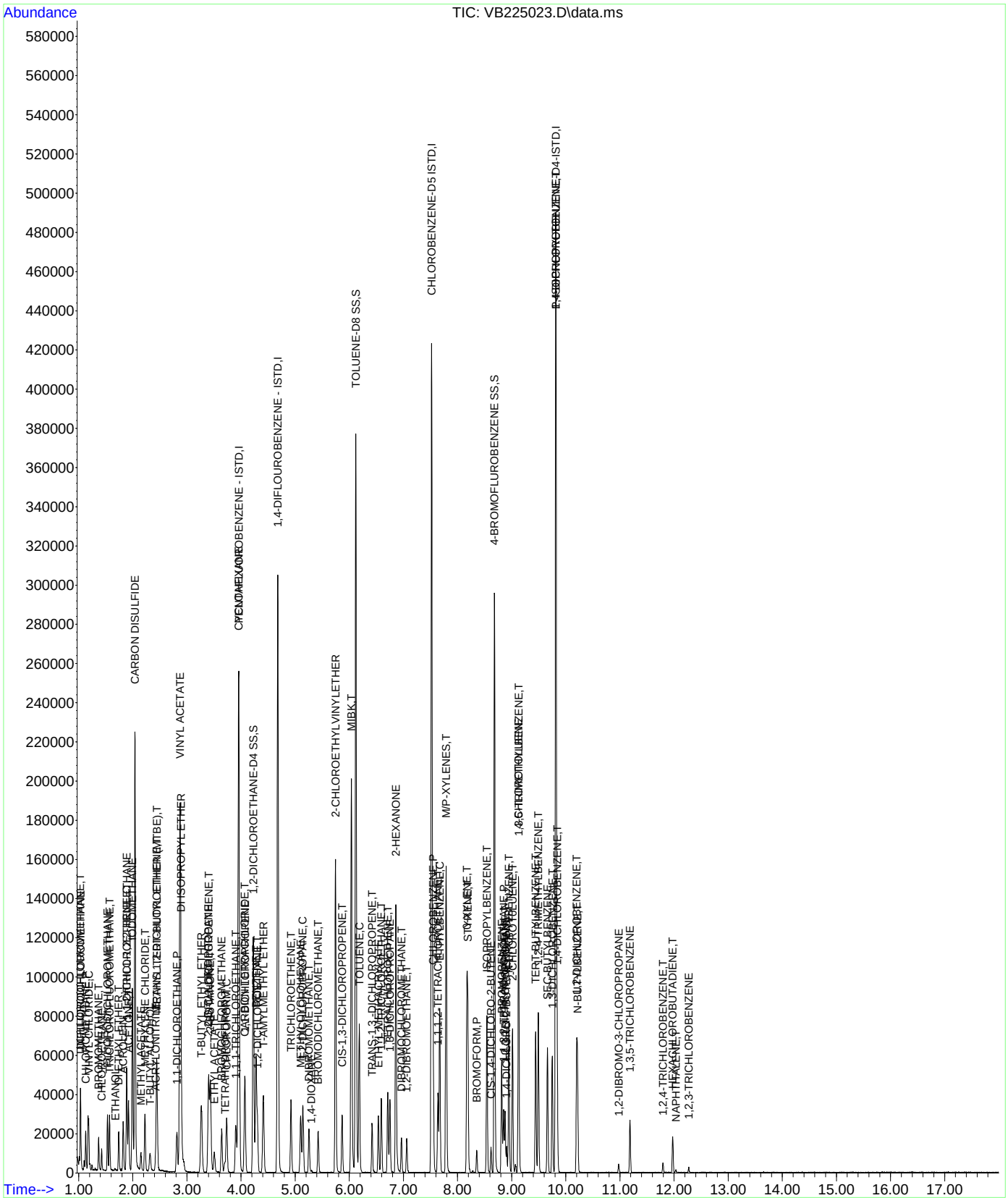
Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
54) TOLUENE	6.188	91	45753	5.415 UG/L	98
55) TRANS-1,3,-DICHLOROPRO...	6.422	75	11313	3.997 UG/L	98
56) ETHYL METHACRYLATE	6.536	41	9694	4.294 UG/L	99
57) 1,1,2-TRICHLOROETHANE	6.592	97	9721	5.411 UG/L	99
58) 2-HEXANONE	6.860	43	75794	43.729 UG/L #	92
59) TETRACHLOROETHENE	6.712	164	8054	5.266 UG/L	97
60) 1,3-DICHLOROPROPANE	6.751	76	17608	5.285 UG/L	99
61) DIBROMOCHLOROMETHANE	6.966	129	7828	5.375 UG/L	99
62) 1,2-DIBROMOETHANE	7.058	107	10184	5.095 UG/L #	99
65) CHLOROBENZENE	7.548	112	30047	5.239 UG/L	93
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	8764	4.678 UG/L	98
67) ETHYLBENZENE	7.671	91	51842	5.346 UG/L	94
68) M/P-XYLENES	7.788	91	82988	10.955 UG/L	91
69) 0-XYLENE	8.173	91	42519	5.336 UG/L	94
70) STYRENE	8.187	104	31282	4.956 UG/L	98
71) BROMOFORM	8.354	173	4664	6.986 UG/L #	96
72) ISOPROPYLBENZENE	8.544	105	45722	4.993 UG/L	98
73) CIS-1,4-DICHLORO-2-BUTENE	8.617	53	2685	2.813 UG/L #	70
74) 1,1,2,2-TETRACHLOROETHANE	8.851	83	12546	4.763 UG/L	99
75) 1,4-DICHLORO-2-BUTENE(...	8.907	53	2773	6.015 UG/L #	68
76) BROMOBENZENE	8.814	77	20911	5.170 UG/L	96
77) 1,2,3-TRICHLOROPROPANE	8.879	110	4095	4.617 UG/L	71
78) N-PROPYLBENZENE	8.948	91	51263	5.184 UG/L	93
79) 2-CHLOROT0LUENE	9.015	91	35617	5.092 UG/L	96
80) 1,3,5-TRIMETHYLBENZENE	9.130	105	39102	4.991 UG/L	98
81) 4-CHLOROTOLUENE	9.127	91	41243	5.249 UG/L	97
83) TERT-BUTYLBENZENE	9.442	119	29312	5.096 UG/L	96
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	39427	5.178 UG/L	96
85) SEC-BUTYLBENZENE	9.662	105	38878	5.042 UG/L	97
86) 1,3-DICHLOROBENZENE	9.751	146	21468	5.064 UG/L	99
87) P-ISOPROPYLTOLUENE	9.813	119	32832	5.023 UG/L	98
88) 1,4-DICHLOROBENZENE	9.841	146	21486	5.052 UG/L	96
89) N-BUTYLBENZENE	10.217	91	21587	4.284 UG/L	98
90) 1,2-DICHLOROBENZENE	10.200	146	21295	5.039 UG/L	99
91) 1,2-DIBROMO-3-CHLOROPR...	10.976	75	988	6.830 UG/L #	85
92) 1,3,5-TRICHLOROBENZENE	11.185	180	8179	3.441 UG/L	94
93) 1,2,4-TRICHLOROBENZENE	11.793	180	1773	6.207 UG/L	96
94) HEXACHLOROBUTADIENE	11.974	225	4011	4.559 UG/L #	93
95) NAPHTHALENE	12.035	128	1498	8.244 UG/L #	68
96) 1,2,3-TRICHLOROBENZENE	12.272	180	1011	6.789 UG/L #	85

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

Data File : W:\DATA\081313\VB225023.D Vial: 9
Acq On : 13 Aug 2013 6:06 pm Operator:
Sample : 8260 STD 5.0 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 18:24:46 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225024.D Vial: 10
Acq On : 13 Aug 2013 6:37 pm Operator:
Sample : 8260 STD 10 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 18:55:45 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	141918	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	209024	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	111383	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	104059	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	80573	25.64	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.56%				
43) TOLUENE-D8 SS	6.118	98	215314	26.18	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.72%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	88023	25.29	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.16%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	26235	11.285	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.037	51	32184	9.851	UG/L		98
5) CHLOROMETHANE	1.129	50	24938	9.135	UG/L		100
6) VINYL CHLORIDE	1.185	62	21164	10.019	UG/L		100
7) BROMOMETHANE	1.366	94	11122	19.705	UG/L		93
8) CHLOROETHANE	1.422	64	10344	10.764	UG/L		98
9) FLUORODICHLOROMETHANE	1.531	67	34366	11.155	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.570	101	30209	11.661	UG/L		99
11) ETHANOL	1.667	45	1539	82.780	UG/L		93
12) DI ETHYL ETHER	1.740	59	15252	9.601	UG/L		94
13) ACROLEIN	1.821	56	28637	89.944	UG/L	#	98
14) ACETONE	1.921	43	63554	87.191	UG/L		96
15) 1,1-DICHLOROETHENE	1.888	61	26690	10.604	UG/L		99
16) 1,1,2-TRICL-1,2,2-TRIF...	1.885	101	13874	10.919	UG/L		96
17) IODOMETHANE	1.991	142	188594	93.420	UG/L		99
18) METHYL ACETATE	2.147	43	16885	8.977	UG/L		99
19) T-BUTYL ALCOHOL	2.317	59	18281	83.155	UG/L		94
20) ACRYLONITRILE	2.417	53	7084	7.003	UG/L		98
21) METHYLENE CHLORIDE	2.222	49	25137	10.622	UG/L		99
22) CARBON DISULFIDE	2.038	76	439298	118.134	UG/L	#	94
23) METHYL TERT-BUTYL ETHE...	2.443	73	52681	8.938	UG/L		95
24) TRANS 1,2-DICHLOROETHENE	2.440	61	25270	8.436	UG/L		97
25) 1,1-DICHLOROETHANE	2.813	63	38085	9.840	UG/L		99
26) VINYL ACETATE	2.872	43	539288	103.891	UG/L	#	93
27) DI ISOPROPYL ETHER	2.891	45	67360	9.675	UG/L		93
28) 2-BUTANONE	3.430	43	109604	81.602	UG/L		98
29) T-BUTYL ETHYL ETHER	3.265	59	62880	9.489	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.399	61	35509	9.776	UG/L		97
31) 2,2-DICHLOROPROPANE	3.396	77	25804	10.638	UG/L		99
32) ETHYL ACETATE	3.502	43	26871	8.502	UG/L		96
33) BROMOCHLOROMETHANE	3.642	128	10196	10.296	UG/L		97
34) TETRAHYDROFURAN	3.697	42	6312	7.991	UG/L	#	98
35) CHLOROFORM	3.734	83	40557	10.659	UG/L		100
36) 1,1,1-TRICHLOROETHANE	3.901	97	32770	10.767	UG/L		100
37) CYCLOHEXANE	3.954	56	30369	9.274	UG/L		94
38) CARBON TETRACHLORIDE	4.068	117	24910	9.757	UG/L		99
39) 1,1-DICHLOROPROPENE	4.068	75	29156	10.479	UG/L		97
40) BENZENE	4.275	78	84947	9.909	UG/L		99
41) T-AMYLMETHYL ETHER	4.411	73	53150	9.763	UG/L	#	92
44) 1,2-DICHLOROETHANE	4.300	62	37864	11.046	UG/L		99
45) TRICHLOROETHENE	4.924	95	21351	10.544	UG/L		96
46) METHYLCYCLOHEXANE	5.100	83	20148	10.546	UG/L		98
47) 1,2-DICHLOROPROPANE	5.142	63	21881	10.333	UG/L		98
48) DIBROMOMETHANE	5.253	93	14448	10.912	UG/L		100
49) 1,4-DIOXANE	5.301	88	1805	92.576	UG/L	#	49
50) BROMODICHLOROMETHANE	5.421	83	26237	10.253	UG/L		99
51) 2-CHLOROETHYLVINYLETHER	5.744	63	119017	101.582	UG/L		99
52) MIBK	6.037	43	237495	95.114	UG/L	#	91
53) CIS-1,3-DICHLOROPROPENE	5.867	75	31807	10.148	UG/L		97

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225024.D Vial: 10
Acq On : 13 Aug 2013 6:37 pm Operator:
Sample : 8260 STD 10 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 18:55:45 2013

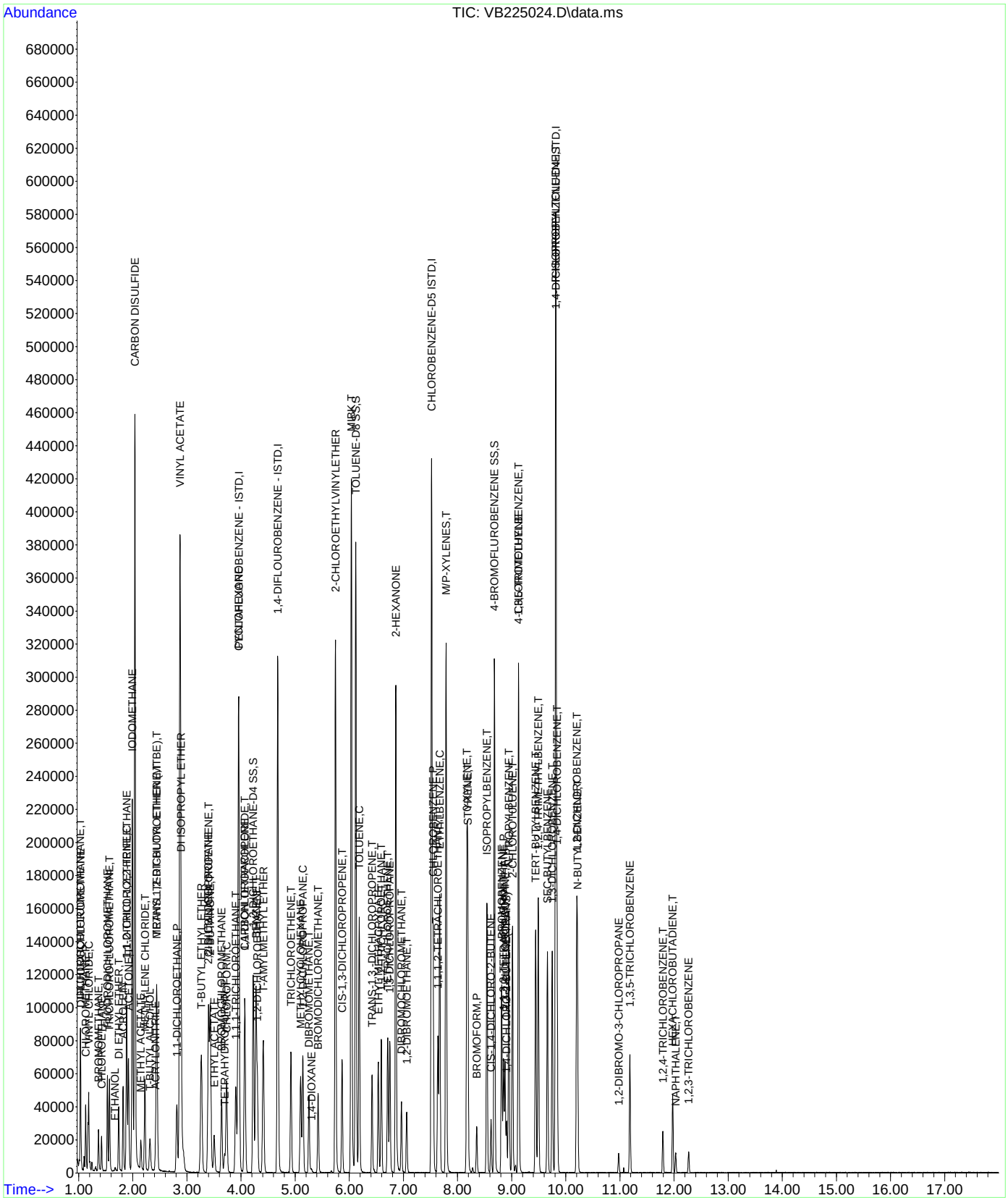
Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) TOLUENE	6.182	91	92746	10.784	UG/L		97
55) TRANS-1,3,-DICHLOROPRO...	6.422	75	26692	9.264	UG/L		98
56) ETHYL METHACRYLATE	6.536	41	21265	9.253	UG/L		98
57) 1,1,2-TRICHLOROETHANE	6.592	97	20347	11.126	UG/L		99
58) 2-HEXANONE	6.860	43	161313	91.431	UG/L	#	93
59) TETRACHLOROETHENE	6.709	164	16679	10.713	UG/L		98
60) 1,3-DICHLOROPROPANE	6.748	76	36164	10.664	UG/L		98
61) DIBROMOCHLOROMETHANE	6.963	129	17864	9.545	UG/L		100
62) 1,2-DIBROMOETHANE	7.061	107	20999	10.320	UG/L		98
65) CHLOROBENZENE	7.549	112	60863	10.615	UG/L		96
66) 1,1,1,2-TETRACHLOROETHANE	7.635	131	19189	10.245	UG/L		99
67) ETHYLBENZENE	7.671	91	103799	10.707	UG/L		94
68) M/P-XYLENES	7.788	91	165846	21.899	UG/L		93
69) 0-XYLENE	8.170	91	87598	10.996	UG/L		94
70) STYRENE	8.190	104	65391	10.363	UG/L		98
71) BROMOFORM	8.354	173	11425	10.568	UG/L	#	96
72) ISOPROPYLBENZENE	8.541	105	92888	10.147	UG/L		97
73) CIS-1,4-DICHLORO-2-BUTENE	8.617	53	6445	6.753	UG/L	#	79
74) 1,1,2,2-TETRACHLOROETHANE	8.848	83	26352	10.007	UG/L		100
75) 1,4-DICHLORO-2-BUTENE(...	8.907	53	6200	9.026	UG/L	#	81
76) BROMOBENZENE	8.815	77	43090	10.656	UG/L		96
77) 1,2,3-TRICHLOROPROPANE	8.879	110	8909	10.046	UG/L		73
78) N-PROPYLBENZENE	8.948	91	104552	10.575	UG/L		95
79) 2-CHLOROT0LUENE	9.015	91	72845	10.417	UG/L		96
80) 1,3,5-TRIMETHYLBENZENE	9.127	105	80473	10.273	UG/L		99
81) 4-CHLOROTOLUENE	9.124	91	84390	10.744	UG/L		96
83) TERT-BUTYLBENZENE	9.442	119	60088	9.865	UG/L		96
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	81027	10.048	UG/L		98
85) SEC-BUTYLBENZENE	9.662	105	80771	9.891	UG/L		98
86) 1,3-DICHLOROBENZENE	9.749	146	45914	10.228	UG/L		98
87) P-ISOPROPYLTOLUENE	9.810	119	68730	9.928	UG/L		98
88) 1,4-DICHLOROBENZENE	9.838	146	45340	10.067	UG/L		99
89) N-BUTYLBENZENE	10.214	91	51537	9.659	UG/L		96
90) 1,2-DICHLOROBENZENE	10.203	146	45071	10.071	UG/L		99
91) 1,2-DIBROMO-3-CHLOROPR...	10.976	75	2702	9.718	UG/L		89
92) 1,3,5-TRICHLOROBENZENE	11.185	180	20590	8.181	UG/L		95
93) 1,2,4-TRICHLOROBENZENE	11.793	180	7651	8.399	UG/L		94
94) HEXACHLOROBUTADIENE	11.974	225	9151	9.823	UG/L		97
95) NAPHTHALENE	12.030	128	8801	9.533	UG/L		97
96) 1,2,3-TRICHLOROBENZENE	12.267	180	4436	8.574	UG/L		92

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

Data File : W:\DATA\081313\VB225024.D Vial: 10
Acq On : 13 Aug 2013 6:37 pm Operator:
Sample : 8260 STD 10 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 18:55:45 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225025.D Vial: 11
Acq On : 13 Aug 2013 7:08 pm Operator:
Sample : 8260 STD 20 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 19:26:40 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	143275	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	207498	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	113710	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	109049	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.227	65	79300	25.00	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.00%				
43) TOLUENE-D8 SS	6.118	98	214786	26.31	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.24%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	89978	25.32	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.28%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	51615	21.991	UG/L		100
4) DIFLUOROCHLOROMETHANE	1.037	51	65106	19.740	UG/L		99
5) CHLOROMETHANE	1.129	50	47511	17.238	UG/L		99
6) VINYL CHLORIDE	1.185	62	42318	19.844	UG/L		99
7) BROMOMETHANE	1.358	94	17562	34.545	UG/L		99
8) CHLOROETHANE	1.419	64	20031	20.648	UG/L		99
9) FLUORODICHLOROMETHANE	1.531	67	69606	22.379	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.567	101	60634	23.184	UG/L		100
11) ETHANOL	1.679	45	3329	177.366	UG/L	#	89
12) DI ETHYL ETHER	1.740	59	29357	18.304	UG/L		92
13) ACROLEIN	1.821	56	55949	174.061	UG/L	#	97
14) ACETONE	1.921	43	118581	161.142	UG/L		96
15) 1,1-DICHLOROETHENE	1.885	61	54314	21.375	UG/L		99
16) 1,1,2-TRICL-1,2,2-TRIF...	1.882	101	28083	21.891	UG/L		96
17) IODOMETHANE	1.988	142	431712	211.824	UG/L		99
18) METHYL ACETATE	2.150	43	32225	16.970	UG/L		99
19) T-BUTYL ALCOHOL	2.323	59	35808	161.337	UG/L		95
20) ACRYLONITRILE	2.423	53	18263	17.882	UG/L		100
21) METHYLENE CHLORIDE	2.222	49	46267	19.365	UG/L		97
22) CARBON DISULFIDE	2.035	76	879596	234.297	UG/L	#	94
23) METHYL TERT-BUTYL ETHE...	2.443	73	120686	20.282	UG/L		98
24) TRANS 1,2-DICHLOROETHENE	2.437	61	62138	20.547	UG/L		97
25) 1,1-DICHLOROETHANE	2.816	63	79321	20.300	UG/L		99
26) VINYL ACETATE	2.872	43	1071422	204.449	UG/L	#	94
27) DI ISOPROPYL ETHER	2.892	45	137622	19.579	UG/L		94
28) 2-BUTANONE	3.433	43	216275	159.496	UG/L		98
29) T-BUTYL ETHYL ETHER	3.265	59	128608	19.224	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.402	61	71492	19.496	UG/L		97
31) 2,2-DICHLOROPROPANE	3.399	77	56558	23.096	UG/L		98
32) ETHYL ACETATE	3.502	43	49590	15.541	UG/L		99
33) BROMOCHLOROMETHANE	3.639	128	21025	21.030	UG/L		99
34) TETRAHYDROFURAN	3.695	42	12750	15.988	UG/L	#	98
35) CHLOROFORM	3.734	83	81999	21.346	UG/L		100
36) 1,1,1-TRICHLOROETHANE	3.901	97	69299	22.553	UG/L		100
37) CYCLOHEXANE	3.951	56	59349	17.952	UG/L		95
38) CARBON TETRACHLORIDE	4.066	117	54661	21.208	UG/L		99
39) 1,1-DICHLOROPROPENE	4.068	75	58264	20.742	UG/L		98
40) BENZENE	4.275	78	170756	19.729	UG/L		99
41) T-AMYLMETHYL ETHER	4.409	73	108758	19.789	UG/L		94
44) 1,2-DICHLOROETHANE	4.300	62	76015	22.338	UG/L		99
45) TRICHLOROETHENE	4.922	95	44521	22.148	UG/L		95
46) METHYLCYCLOHEXANE	5.100	83	41325	21.789	UG/L		98
47) 1,2-DICHLOROPROPANE	5.142	63	44556	21.195	UG/L		96
48) DIBROMOMETHANE	5.251	93	29494	22.440	UG/L		99
49) 1,4-DIOXANE	5.295	88	3700	191.163	UG/L	#	73
50) BROMODICHLOROMETHANE	5.424	83	57126	22.488	UG/L		100
51) 2-CHLOROETHYLVINYLETHER	5.744	63	234884	201.950	UG/L		99
52) MIBK	6.037	43	463079	186.822	UG/L	#	91
53) CIS-1,3-DICHLOROPROPENE	5.867	75	68906	22.147	UG/L		96

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225025.D Vial: 11
Acq On : 13 Aug 2013 7:08 pm Operator:
Sample : 8260 STD 20 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 19:26:40 2013

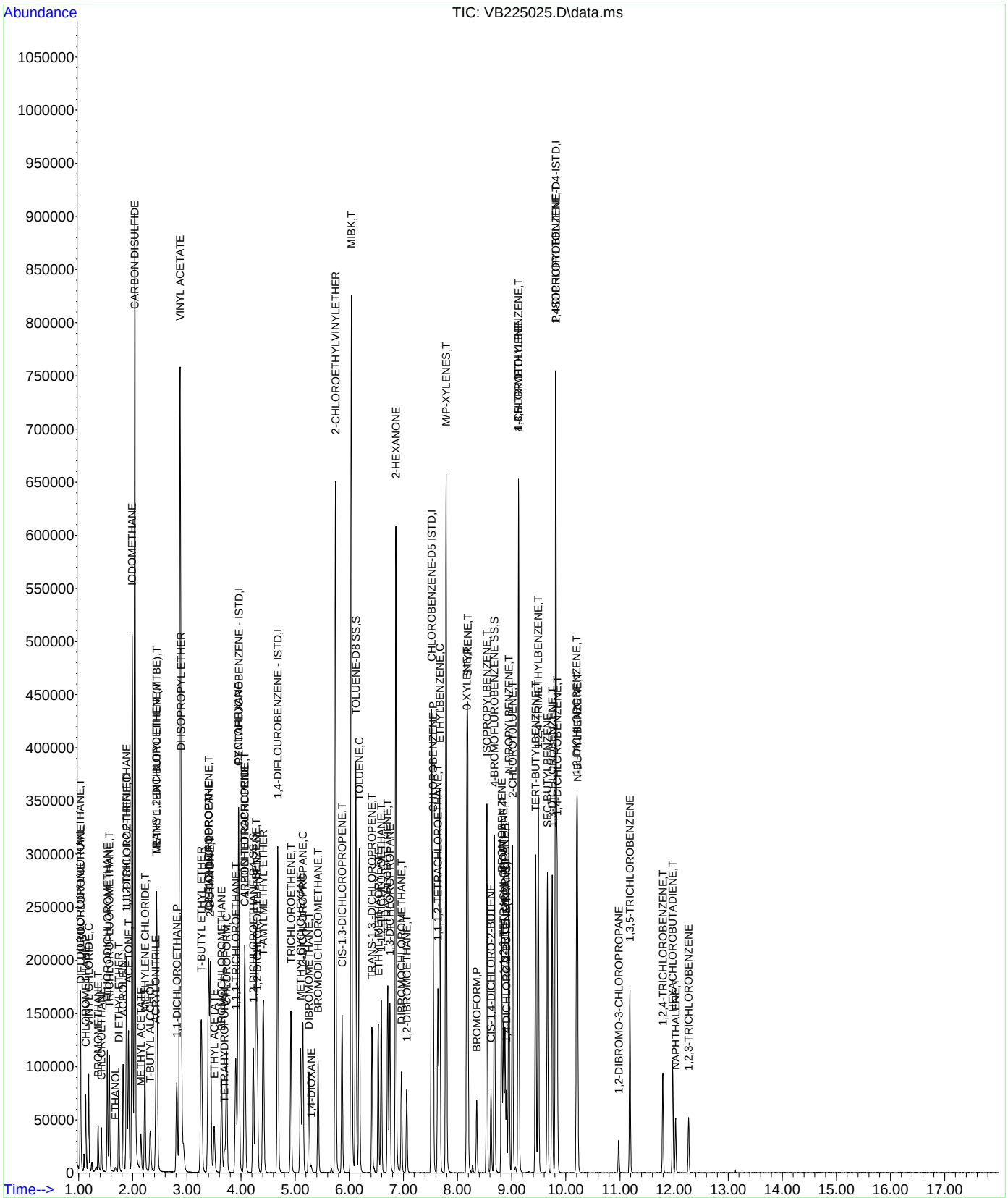
Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) TOLUENE	6.185	91	185382	21.715	UG/L	97
55) TRANS-1,3,-DICHLOROPRO...	6.419	75	59200	20.698	UG/L	96
56) ETHYL METHACRYLATE	6.536	41	43448	19.044	UG/L	98
57) 1,1,2-TRICHLOROETHANE	6.592	97	40011	22.039	UG/L	99
58) 2-HEXANONE	6.860	43	323435	184.668	UG/L	93
59) TETRACHLOROETHENE	6.709	164	35091	22.705	UG/L	98
60) 1,3-DICHLOROPROPANE	6.751	76	73528	21.842	UG/L	97
61) DIBROMOCHLOROMETHANE	6.966	129	39799	18.911	UG/L	99
62) 1,2-DIBROMOETHANE	7.061	107	43420	21.496	UG/L	99
65) CHLOROBENZENE	7.549	112	125128	21.377	UG/L	98
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	41491	21.700	UG/L	98
67) ETHYLBENZENE	7.671	91	214410	21.664	UG/L	94
68) M/P-XYLENES	7.788	91	337273	43.624	UG/L	93
69) 0-XYLENE	8.170	91	178798	21.985	UG/L	95
70) STYRENE	8.187	104	136408	21.174	UG/L	99
71) BROMOFORM	8.355	173	26827	18.435	UG/L	98
72) ISOPROPYLBENZENE	8.541	105	195265	20.894	UG/L	98
73) CIS-1,4-DICHLORO-2-BUTENE	8.617	53	14970	15.364	UG/L	86
74) 1,1,2,2-TETRACHLOROETHANE	8.848	83	54559	20.295	UG/L	99
75) 1,4-DICHLORO-2-BUTENE(...	8.907	53	14561	16.109	UG/L	92
76) BROMOBENZENE	8.815	77	88348	21.401	UG/L	96
77) 1,2,3-TRICHLOROPROPANE	8.876	110	18213	20.118	UG/L	100
78) N-PROPYLBENZENE	8.948	91	219359	21.734	UG/L	95
79) 2-CHLOROT0LUENE	9.015	91	150615	21.097	UG/L	96
80) 1,3,5-TRIMETHYLBENZENE	9.127	105	167510	20.947	UG/L	99
81) 4-CHLOROTOLUENE	9.127	91	175621	21.901	UG/L	96
83) TERT-BUTYLBENZENE	9.445	119	127321	19.947	UG/L	96
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	170764	20.208	UG/L	98
85) SEC-BUTYLBENZENE	9.662	105	170616	19.938	UG/L	98
86) 1,3-DICHLOROBENZENE	9.749	146	96021	20.411	UG/L	99
87) P-ISOPROPYLTOLUENE	9.813	119	148121	20.418	UG/L	99
88) 1,4-DICHLOROBENZENE	9.841	146	94652	20.055	UG/L	100
89) N-BUTYLBENZENE	10.215	91	116313	20.801	UG/L	97
90) 1,2-DICHLOROBENZENE	10.201	146	95371	20.336	UG/L	99
91) 1,2-DIBROMO-3-CHLOROPR...	10.979	75	6614	16.012	UG/L	90
92) 1,3,5-TRICHLOROBENZENE	11.185	180	49231	18.665	UG/L	94
93) 1,2,4-TRICHLOROBENZENE	11.793	180	25672	14.794	UG/L	95
94) HEXACHLOROBUTADIENE	11.974	225	20292	20.785	UG/L	98
95) NAPHTHALENE	12.030	128	34122	13.779	UG/L	98
96) 1,2,3-TRICHLOROBENZENE	12.270	180	14926	13.776	UG/L	96

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

Data File : W:\DATA\081313\VB225025.D Vial: 11
Acq On : 13 Aug 2013 7:08 pm Operator:
Sample : 8260 STD 20 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 19:26:40 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225026.D Vial: 12
Acq On : 13 Aug 2013 7:39 pm Operator:
Sample : 8260 STD 50 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 19:57:44 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	142325	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	210750	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	115319	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	112323	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	80308	25.49	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.96%				
43) TOLUENE-D8 SS	6.121	98	217433	26.23	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.92%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	92537	25.68	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.72%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	128808	55.247	UG/L		100
4) DIFLUOROCHLOROMETHANE	1.037	51	155484	47.457	UG/L		98
5) CHLOROMETHANE	1.129	50	104508	38.171	UG/L		99
6) VINYL CHLORIDE	1.185	62	103016	48.630	UG/L		100
7) BROMOMETHANE	1.361	94	41499	91.280	UG/L		99
8) CHLOROETHANE	1.419	64	47689	49.485	UG/L		100
9) FLUORODICHLOROMETHANE	1.531	67	159169	51.517	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.567	101	158187	60.888	UG/L		100
11) ETHANOL	1.676	45	7551	404.995	UG/L	#	94
12) DI ETHYL ETHER	1.737	59	67667	42.472	UG/L		90
13) ACROLEIN	1.821	56	138954	435.182	UG/L		98
14) ACETONE	1.921	43	279436	382.266	UG/L		97
15) 1,1-DICHLOROETHENE	1.885	61	132379	52.444	UG/L		99
16) 1,1,2-TRICL-1,2,2-TRIF...	1.882	101	75233	59.037	UG/L		95
17) IODOMETHANE	1.988	142	1054759	520.983	UG/L		99
18) METHYL ACETATE	2.147	43	78046	41.374	UG/L		99
19) T-BUTYL ALCOHOL	2.323	59	96029	435.558	UG/L		96
20) ACRYLONITRILE	2.420	53	43901	43.273	UG/L		100
21) METHYLENE CHLORIDE	2.222	49	100548	42.365	UG/L		97
22) CARBON DISULFIDE	2.035	76	1994526	534.826	UG/L		95
23) METHYL TERT-BUTYL ETHE...	2.445	73	278388	47.097	UG/L		98
24) TRANS 1,2-DICHLOROETHENE	2.437	61	142941	47.582	UG/L		97
25) 1,1-DICHLOROETHANE	2.813	63	181420	46.739	UG/L		99
26) VINYL ACETATE	2.875	43	2351799	451.767	UG/L		95
27) DI ISOPROPYL ETHER	2.894	45	301762	43.217	UG/L		94
28) 2-BUTANONE	3.432	43	531111	394.291	UG/L		99
29) T-BUTYL ETHYL ETHER	3.265	59	299965	45.137	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.402	61	163434	44.866	UG/L		98
31) 2,2-DICHLOROPROPANE	3.396	77	139250	57.244	UG/L		99
32) ETHYL ACETATE	3.502	43	122898	38.773	UG/L		99
33) BROMOCHLOROMETHANE	3.642	128	46604	46.926	UG/L		99
34) TETRAHYDROFURAN	3.695	42	32331	40.812	UG/L	#	97
35) CHLOROFORM	3.731	83	189338	49.617	UG/L		100
36) 1,1,1-TRICHLOROETHANE	3.904	97	170911	55.994	UG/L		99
37) CYCLOHEXANE	3.951	56	155811	47.445	UG/L		96
38) CARBON TETRACHLORIDE	4.065	117	146774	57.327	UG/L		100
39) 1,1-DICHLOROPROPENE	4.068	75	142283	50.990	UG/L		98
40) BENZENE	4.277	78	392923	45.702	UG/L		98
41) T-AMYLMETHYL ETHER	4.411	73	258576	47.363	UG/L		96
44) 1,2-DICHLOROETHANE	4.303	62	173524	50.206	UG/L		99
45) TRICHLOROETHENE	4.922	95	103952	50.916	UG/L		95
46) METHYLCYCLOHEXANE	5.100	83	117885	61.196	UG/L		98
47) 1,2-DICHLOROPROPANE	5.142	63	101632	47.599	UG/L		97
48) DIBROMOMETHANE	5.253	93	68961	51.659	UG/L		99
49) 1,4-DIOXANE	5.298	88	9797	498.357	UG/L	#	74
50) BROMODICHLOROMETHANE	5.424	83	140818	54.578	UG/L		100
51) 2-CHLOROETHYLVINYLETHER	5.747	63	544830	461.209	UG/L		98
52) MIBK	6.040	43	1079409	428.751	UG/L		93
53) CIS-1,3-DICHLOROPROPENE	5.867	75	168005	53.165	UG/L		96

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225026.D Vial: 12
Acq On : 13 Aug 2013 7:39 pm Operator:
Sample : 8260 STD 50 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 19:57:44 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

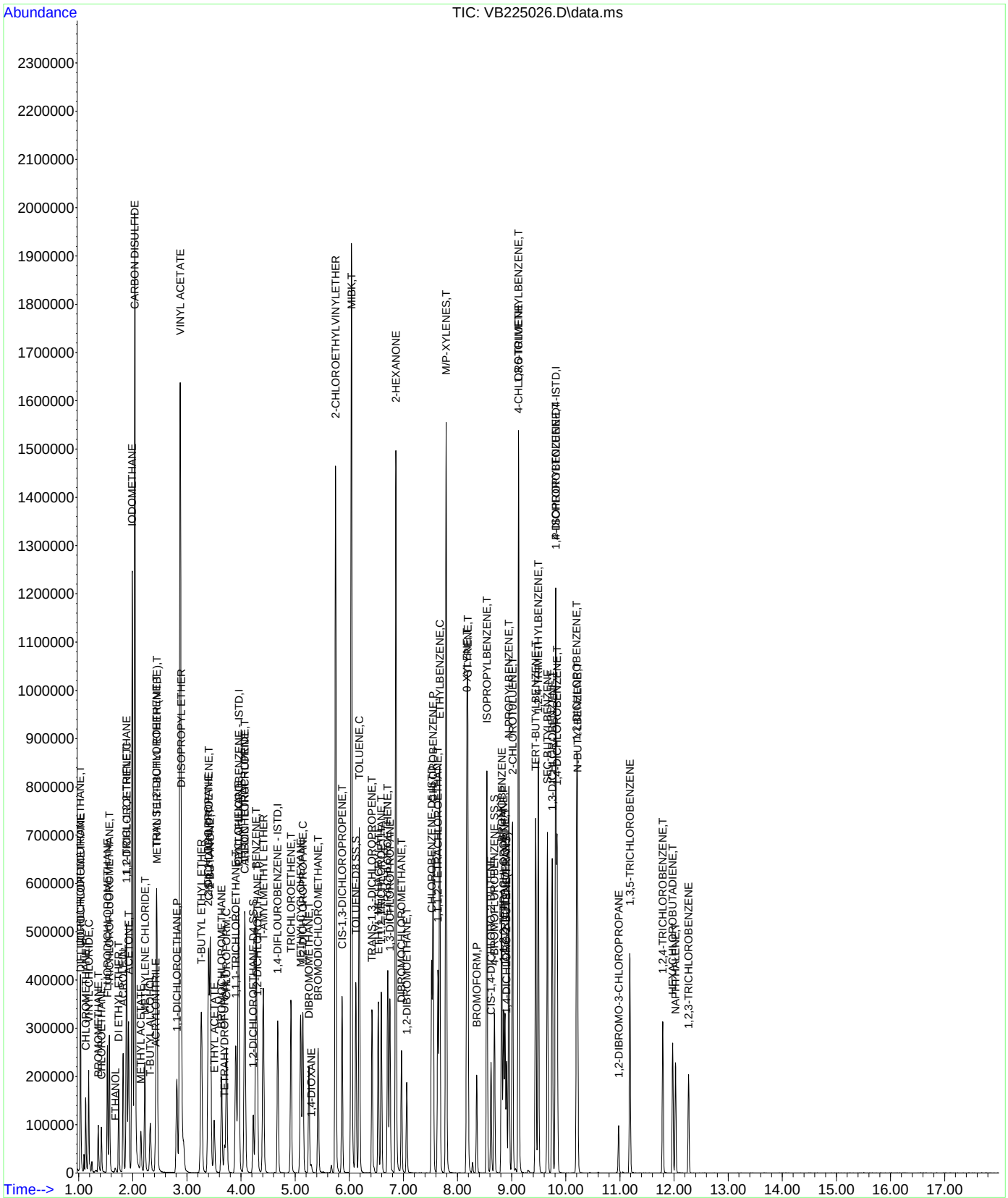
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) TOLUENE	6.185	91	430779	49.681	UG/L	97
55) TRANS-1,3,-DICHLOROPRO...	6.419	75	151175	52.040	UG/L	97
56) ETHYL METHACRYLATE	6.536	41	108801	46.954	UG/L	98
57) 1,1,2-TRICHLOROETHANE	6.592	97	95042	51.543	UG/L	99
58) 2-HEXANONE	6.860	43	795371	447.116	UG/L	95
59) TETRACHLOROETHENE	6.709	164	83981	53.499	UG/L	98
60) 1,3-DICHLOROPROPANE	6.751	76	171814	50.251	UG/L	97
61) DIBROMOCHLOROMETHANE	6.966	129	103780	45.389	UG/L	100
62) 1,2-DIBROMOETHANE	7.060	107	105335	51.344	UG/L	100
65) CHLOROBENZENE	7.548	112	287443	48.422	UG/L	98
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	101363	52.273	UG/L	98
67) ETHYLBENZENE	7.671	91	505398	50.354	UG/L	95
68) M/P-XYLENES	7.788	91	784268	100.024	UG/L	95
69) 0-XYLENE	8.170	91	417675	50.641	UG/L	95
70) STYRENE	8.190	104	321416	49.196	UG/L	99
71) BROMOFORM	8.354	173	76673	43.742	UG/L	99
72) ISOPROPYLBENZENE	8.541	105	467788	49.356	UG/L	98
73) CIS-1,4-DICHLORO-2-BUTENE	8.617	53	43204	43.724	UG/L	96
74) 1,1,2,2-TETRACHLOROETHANE	8.848	83	135228	49.599	UG/L	99
75) 1,4-DICHLORO-2-BUTENE(...	8.907	53	41789	39.035	UG/L	99
76) BROMOBENZENE	8.815	77	208713	49.853	UG/L	97
77) 1,2,3-TRICHLOROPROPANE	8.876	110	44231	48.176	UG/L	95
78) N-PROPYLBENZENE	8.948	91	523340	51.129	UG/L	95
79) 2-CHLOROT0LUENE	9.015	91	353637	48.844	UG/L	97
80) 1,3,5-TRIMETHYLBENZENE	9.127	105	395574	48.776	UG/L	98
81) 4-CHLOROTOLUENE	9.124	91	407750	50.138	UG/L	97
83) TERT-BUTYLBENZENE	9.445	119	307483	46.767	UG/L	97
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	402575	46.251	UG/L	99
85) SEC-BUTYLBENZENE	9.659	105	411876	46.728	UG/L	99
86) 1,3-DICHLOROBENZENE	9.749	146	228311	47.118	UG/L	99
87) P-ISOPROPYLTOLUENE	9.813	119	360953	48.305	UG/L	99
88) 1,4-DICHLOROBENZENE	9.838	146	226917	46.678	UG/L	99
89) N-BUTYLBENZENE	10.217	91	294573	51.145	UG/L	97
90) 1,2-DICHLOROBENZENE	10.200	146	227985	47.197	UG/L	98
91) 1,2-DIBROMO-3-CHLOROPR...	10.976	75	20977	38.898	UG/L	95
92) 1,3,5-TRICHLOROBENZENE	11.182	180	129766	47.765	UG/L	95
93) 1,2,4-TRICHLOROBENZENE	11.790	180	89916	37.118	UG/L	96
94) HEXACHLOROBUTADIENE	11.974	225	51661	51.373	UG/L	98
95) NAPHTHALENE	12.027	128	148035	32.469	UG/L	99
96) 1,2,3-TRICHLOROBENZENE	12.270	180	56747	34.107	UG/L	94

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

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225026.D Vial: 12
Acq On : 13 Aug 2013 7:39 pm Operator:
Sample : 8260 STD 50 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 19:57:44 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225027.D Vial: 13
Acq On : 13 Aug 2013 8:10 pm Operator:
Sample : 8260 STD 100 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 20:28:45 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.954	168	149415	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	217649	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	119910	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	117996	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.227	65	79691	24.09	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.36%				
43) TOLUENE-D8 SS	6.121	98	224309	26.20	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.80%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	97397	25.99	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.96%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	232324	94.917	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.034	51	313336	91.099	UG/L		98
5) CHLOROMETHANE	1.126	50	227488	79.147	UG/L		100
6) VINYL CHLORIDE	1.185	62	213248	95.889	UG/L		100
7) BROMOMETHANE	1.355	94	79792	172.670	UG/L		91
8) CHLOROETHANE	1.414	64	99878	98.722	UG/L		99
9) FLUORODICHLOROMETHANE	1.528	67	340557	104.994	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.564	101	300015	110.000	UG/L		100
11) ETHANOL	1.681	45	15608	797.406	UG/L	#	94
12) DI ETHYL ETHER	1.737	59	150302	89.863	UG/L		90
13) ACROLEIN	1.821	56	290725	867.299	UG/L		98
14) ACETONE	1.921	43	544125	709.037	UG/L		99
15) 1,1-DICHLOROETHENE	1.882	61	268813	101.440	UG/L		98
16) 1,1,2-TRICL-1,2,2-TRIF...	1.882	101	139391	104.193	UG/L		94
17) IODOMETHANE	1.988	142	2287935	1076.468	UG/L		98
18) METHYL ACETATE	2.150	43	159966	80.777	UG/L		98
19) T-BUTYL ALCOHOL	2.325	59	219855	949.876	UG/L		95
20) ACRYLONITRILE	2.420	53	89718	84.238	UG/L		100
21) METHYLENE CHLORIDE	2.219	49	217524	87.303	UG/L		95
22) CARBON DISULFIDE	2.035	76	3806978	972.390	UG/L		97
23) METHYL TERT-BUTYL ETHE...	2.443	73	612400	98.688	UG/L		98
24) TRANS 1,2-DICHLOROETHENE	2.434	61	302712	95.985	UG/L		97
25) 1,1-DICHLOROETHANE	2.813	63	392424	96.303	UG/L		100
26) VINYL ACETATE	2.878	43	4422205	809.171	UG/L		97
27) DI ISOPROPYL ETHER	2.894	45	617167	84.194	UG/L		97
28) 2-BUTANONE	3.433	43	1049634	742.261	UG/L		100
29) T-BUTYL ETHYL ETHER	3.268	59	663475	95.099	UG/L		98
30) CIS-1,2-DICHLOROETHENE	3.399	61	352762	92.245	UG/L		98
31) 2,2-DICHLOROPROPANE	3.396	77	301726	118.150	UG/L		99
32) ETHYL ACETATE	3.502	43	254824	76.580	UG/L		99
33) BROMOCHLOROMETHANE	3.642	128	98839	94.799	UG/L		98
34) TETRAHYDROFURAN	3.692	42	65554	78.822	UG/L	#	96
35) CHLOROFORM	3.731	83	408178	101.889	UG/L		99
36) 1,1,1-TRICHLOROETHANE	3.901	97	366611	114.409	UG/L		99
37) CYCLOHEXANE	3.951	56	288269	83.614	UG/L		95
38) CARBON TETRACHLORIDE	4.066	117	306868	114.169	UG/L		99
39) 1,1-DICHLOROPROPENE	4.068	75	293163	100.076	UG/L		99
40) BENZENE	4.275	78	836019	92.625	UG/L		99
41) T-AMYLMETHYL ETHER	4.411	73	576581	100.601	UG/L		99
44) 1,2-DICHLOROETHANE	4.300	62	374219	104.840	UG/L		98
45) TRICHLOROETHENE	4.922	95	221294	104.955	UG/L		96
46) METHYLCYCLOHEXANE	5.100	83	211941	106.535	UG/L		97
47) 1,2-DICHLOROPROPANE	5.142	63	223083	101.169	UG/L		96
48) DIBROMOMETHANE	5.253	93	149466	108.417	UG/L		100
49) 1,4-DIOXANE	5.295	88	21748	1071.218	UG/L	#	73
50) BROMODICHLOROMETHANE	5.424	83	317712	119.234	UG/L		100
51) 2-CHLOROETHYLVINYLETHER	5.750	63	1086658	890.719	UG/L		97
52) MIBK	6.043	43	2038558	784.067	UG/L		95
53) CIS-1,3-DICHLOROPROPENE	5.867	75	381866	117.012	UG/L		96

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225027.D Vial: 13
Acq On : 13 Aug 2013 8:10 pm Operator:
Sample : 8260 STD 100 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 20:28:45 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

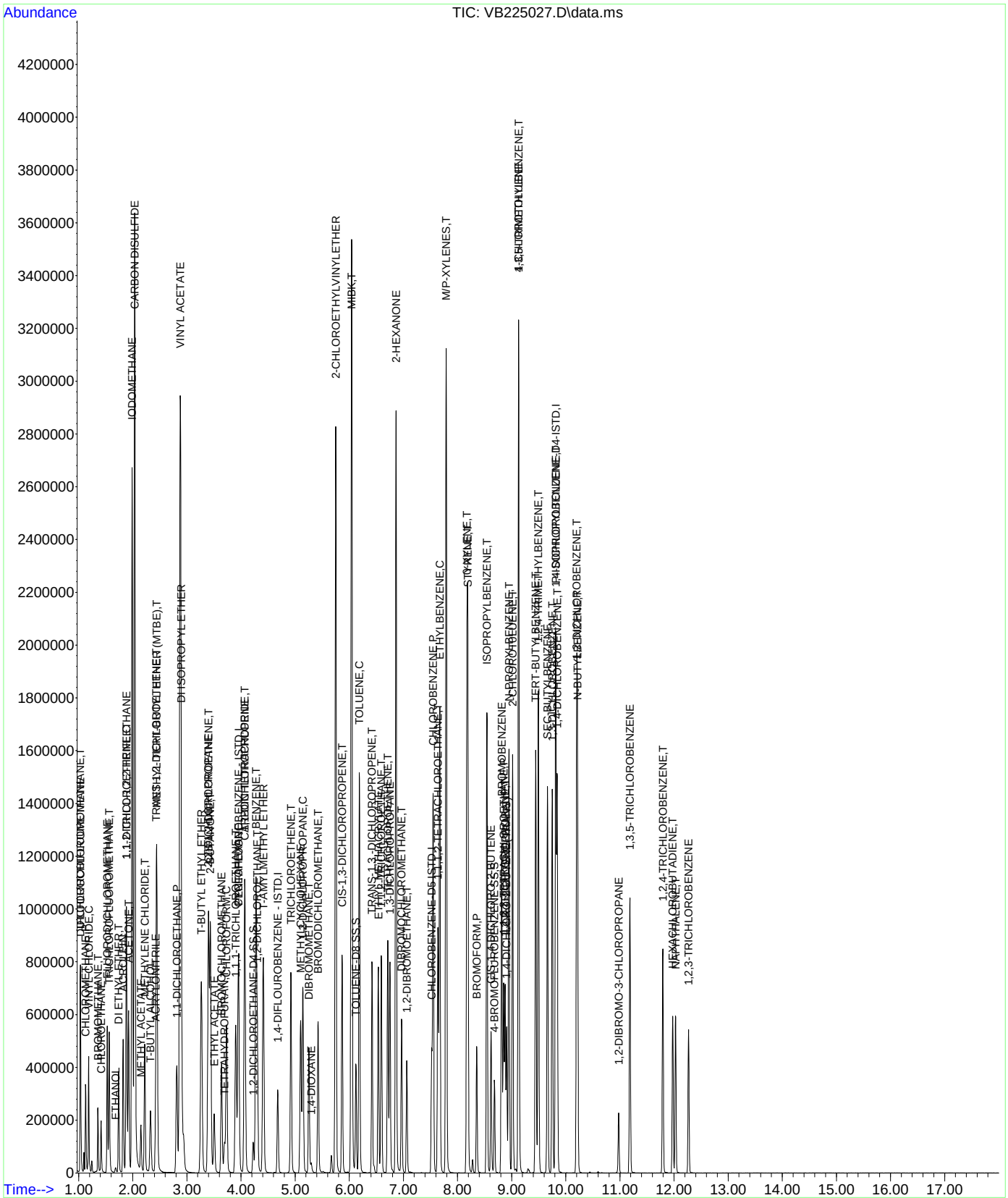
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) TOLUENE	6.185	91	908072	101.406	UG/L	99
55) TRANS-1,3,-DICHLOROPRO...	6.419	75	350430	116.808	UG/L	96
56) ETHYL METHACRYLATE	6.536	41	234337	97.924	UG/L	95
57) 1,1,2-TRICHLOROETHANE	6.592	97	204689	107.489	UG/L	100
58) 2-HEXANONE	6.863	43	1547709	842.463	UG/L	96
59) TETRACHLOROETHENE	6.712	164	175983	108.554	UG/L	99
60) 1,3-DICHLOROPROPANE	6.751	76	376644	106.666	UG/L	96
61) DIBROMOCHLOROMETHANE	6.966	129	246051	101.588	UG/L	100
62) 1,2-DIBROMOETHANE	7.063	107	231701	109.359	UG/L	100
65) CHLOROBENZENE	7.549	112	624454	101.167	UG/L	98
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	227332	112.747	UG/L	99
67) ETHYLBENZENE	7.671	91	1064782	102.024	UG/L	96
68) M/P-XYLENES	7.791	91	1624301	199.229	UG/L	95
69) 0-XYLENE	8.173	91	887420	103.475	UG/L	96
70) STYRENE	8.190	104	693171	102.035	UG/L	98
71) BROMOFORM	8.354	173	184878	95.480	UG/L	99
72) ISOPROPYLBENZENE	8.541	105	989947	100.451	UG/L	99
73) CIS-1,4-DICHLORO-2-BUTENE	8.619	53	99809	97.142	UG/L	96
74) 1,1,2,2-TETRACHLOROETHANE	8.851	83	291323	102.762	UG/L	100
75) 1,4-DICHLORO-2-BUTENE(...	8.907	53	97742	83.332	UG/L	97
76) BROMOBENZENE	8.815	77	456793	104.931	UG/L	98
77) 1,2,3-TRICHLOROPROPANE	8.879	110	94075	98.542	UG/L	95
78) N-PROPYLBENZENE	8.951	91	1105643	103.882	UG/L	96
79) 2-CHLOROT0LUENE	9.018	91	764128	101.500	UG/L	97
80) 1,3,5-TRIMETHYLBENZENE	9.130	105	851411	100.964	UG/L	99
81) 4-CHLOROTOLUENE	9.127	91	875568	103.541	UG/L	97
83) TERT-BUTYLBENZENE	9.445	119	663981	96.134	UG/L	97
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	883341	96.607	UG/L	98
85) SEC-BUTYLBENZENE	9.662	105	876970	94.710	UG/L	99
86) 1,3-DICHLOROBENZENE	9.749	146	509618	100.116	UG/L	99
87) P-ISOPROPYLTOLUENE	9.813	119	776971	98.980	UG/L	99
88) 1,4-DICHLOROBENZENE	9.841	146	504358	98.760	UG/L	99
89) N-BUTYLBENZENE	10.217	91	641858	106.085	UG/L	98
90) 1,2-DICHLOROBENZENE	10.201	146	503303	99.183	UG/L	99
91) 1,2-DIBROMO-3-CHLOROPR...	10.976	75	49295	80.822	UG/L	97
92) 1,3,5-TRICHLOROBENZENE	11.185	180	303279	106.267	UG/L	95
93) 1,2,4-TRICHLOROBENZENE	11.793	180	237383	84.970	UG/L	95
94) HEXACHLOROBUTADIENE	11.977	225	117432	111.164	UG/L	99
95) NAPHTHALENE	12.030	128	396160	70.394	UG/L	99
96) 1,2,3-TRICHLOROBENZENE	12.270	180	151846	77.253	UG/L	94

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

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225027.D Vial: 13
Acq On : 13 Aug 2013 8:10 pm Operator:
Sample : 8260 STD 100 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 20:28:45 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225028.D Vial: 14
Acq On : 13 Aug 2013 8:41 pm Operator:
Sample : 8260 STD 200 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 20:59:43 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.954	168	153772	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	230366	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	126805	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.818	152	125075	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	82639	24.27	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.08%				
43) TOLUENE-D8 SS	6.124	98	239774	26.46	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.84%				
64) 4-BROMOFLUROBENZENE SS	8.684	95	105761	26.69	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.76%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.026	85	445991	177.049	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.031	51	597678	168.846	UG/L		96
5) CHLOROMETHANE	1.126	50	492933	166.640	UG/L		99
6) VINYL CHLORIDE	1.185	62	441325	192.823	UG/L		99
7) BROMOMETHANE	1.349	94	103017	218.293	UG/L		99
8) CHLOROETHANE	1.402	64	181586	174.398	UG/L		99
9) FLUORODICHLOROMETHANE	1.522	67	687737	206.023	UG/L		100
10) TRICHLOROFLUOROMETHANE	1.556	101	598184	213.110	UG/L		99
11) ETHANOL	1.698	45	31054	1541.582	UG/L	#	93
12) DI ETHYL ETHER	1.737	59	305521	177.490	UG/L		89
13) ACROLEIN	1.821	56	587046	1701.671	UG/L		99
14) ACETONE	1.924	43	1101986	1395.285	UG/L		100
15) 1,1-DICHLOROETHENE	1.879	61	537762	197.182	UG/L		96
16) 1,1,2-TRICL-1,2,2-TRIF...	1.874	101	282625	205.274	UG/L		93
17) IODOMETHANE	1.985	142	4285454	1959.165	UG/L		98
18) METHYL ACETATE	2.150	43	330266	162.048	UG/L		97
19) T-BUTYL ALCOHOL	2.345	59	489511	2054.992	UG/L		96
20) ACRYLONITRILE	2.420	53	183250	167.181	UG/L		99
21) METHYLENE CHLORIDE	2.217	49	471440	183.850	UG/L		95
22) CARBON DISULFIDE	2.030	76	6544438	1624.237	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.445	73	1266471	198.309	UG/L		98
24) TRANS 1,2-DICHLOROETHENE	2.431	61	609647	187.831	UG/L		95
25) 1,1-DICHLOROETHANE	2.811	63	810660	193.303	UG/L		99
26) VINYL ACETATE	2.880	43	7468251	1327.814	UG/L		98
27) DI ISOPROPYL ETHER	2.900	45	1139519	151.048	UG/L		98
28) 2-BUTANONE	3.438	43	2076211	1426.616	UG/L		98
29) T-BUTYL ETHYL ETHER	3.265	59	1386731	193.136	UG/L		98
30) CIS-1,2-DICHLOROETHENE	3.396	61	712264	180.975	UG/L		96
31) 2,2-DICHLOROPROPANE	3.393	77	627714	238.836	UG/L		100
32) ETHYL ACETATE	3.505	43	532781	155.575	UG/L		99
33) BROMOCHLOROMETHANE	3.642	128	195327	182.036	UG/L		96
34) TETRAHYDROFURAN	3.695	42	138595	161.925	UG/L	#	94
35) CHLOROFORM	3.731	83	836480	202.885	UG/L		100
36) 1,1,1-TRICHLOROETHANE	3.901	97	758007	229.850	UG/L		98
37) CYCLOHEXANE	3.948	56	580306	163.551	UG/L		94
38) CARBON TETRACHLORIDE	4.066	117	642787	232.371	UG/L		100
39) 1,1-DICHLOROPROPENE	4.071	75	597823	198.294	UG/L		99
40) BENZENE	4.275	78	1679034	180.755	UG/L		100
41) T-AMYLMETHYL ETHER	4.411	73	1222561	207.266	UG/L		99
44) 1,2-DICHLOROETHANE	4.303	62	760423	201.278	UG/L		98
45) TRICHLOROETHENE	4.919	95	459913	206.085	UG/L		96
46) METHYLCYCLOHEXANE	5.100	83	441562	209.704	UG/L		96
47) 1,2-DICHLOROPROPANE	5.142	63	462502	198.167	UG/L		95
48) DIBROMOMETHANE	5.253	93	311327	213.359	UG/L		99
49) 1,4-DIOXANE	5.301	88	46767	2176.388	UG/L	#	75
50) BROMODICHLOROMETHANE	5.424	83	673113	238.667	UG/L		99
51) 2-CHLOROETHYLVINYLETHER	5.758	63	2083371	1613.440	UG/L		95
52) MIBK	6.051	43	3705018	1346.352	UG/L		100
53) CIS-1,3-DICHLOROPROPENE	5.870	75	799712	231.521	UG/L		96

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225028.D Vial: 14
Acq On : 13 Aug 2013 8:41 pm Operator:
Sample : 8260 STD 200 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 20:59:43 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

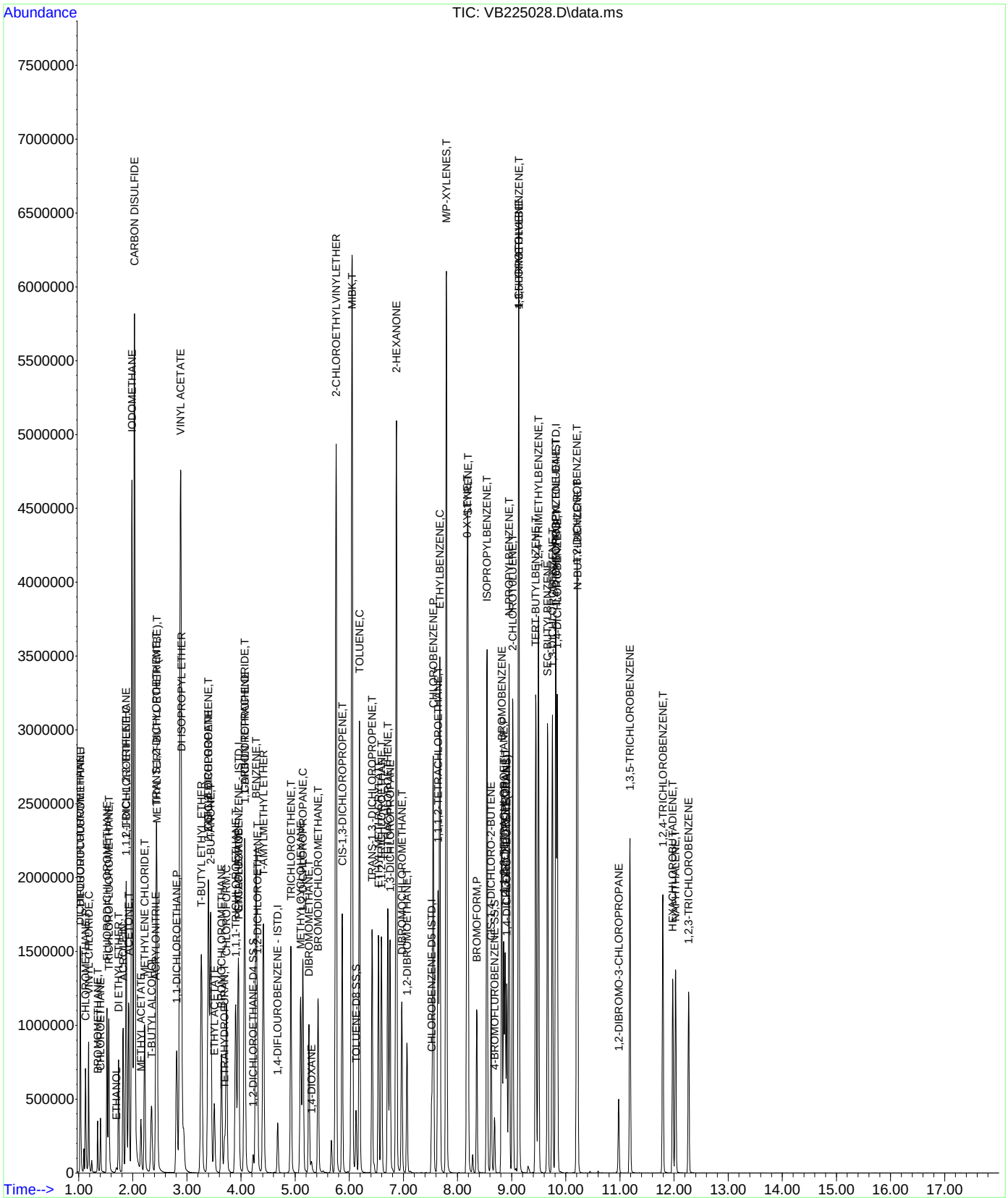
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) TOLUENE	6.188	91	1831662	193.253	UG/L	99
55) TRANS-1,3,-DICHLOROPRO...	6.422	75	753007	237.142	UG/L	95
56) ETHYL METHACRYLATE	6.539	41	487291	192.387	UG/L	95
57) 1,1,2-TRICHLOROETHANE	6.595	97	424099	210.414	UG/L	99
58) 2-HEXANONE	6.871	43	2885809	1484.114	UG/L	100
59) TETRACHLOROETHENE	6.712	164	364480	212.417	UG/L	98
60) 1,3-DICHLOROPROPANE	6.754	76	774046	207.109	UG/L	95
61) DIBROMOCHLOROMETHANE	6.971	129	533017	205.808	UG/L	100
62) 1,2-DIBROMOETHANE	7.066	107	484949	216.252	UG/L	100
65) CHLOROBENZENE	7.551	112	1282920	196.542	UG/L	99
66) 1,1,1,2-TETRACHLOROETHANE	7.641	131	489814	229.717	UG/L	99
67) ETHYLBENZENE	7.671	91	2122245	192.291	UG/L	98
68) M/P-XYLENES	7.794	91	3152741	365.673	UG/L	98
69) 0-XYLENE	8.176	91	1788884	197.246	UG/L	97
70) STYRENE	8.193	104	1409034	196.133	UG/L	97
71) BROMOFORM	8.354	173	425239	202.365	UG/L	99
72) ISOPROPYLBENZENE	8.544	105	2016716	193.510	UG/L	100
73) CIS-1,4-DICHLORO-2-BUTENE	8.619	53	228251	210.073	UG/L	92
74) 1,1,2,2-TETRACHLOROETHANE	8.851	83	620644	207.023	UG/L	99
75) 1,4-DICHLORO-2-BUTENE(...	8.909	53	220517	173.725	UG/L	91
76) BROMOBENZENE	8.815	77	952691	206.945	UG/L	99
77) 1,2,3-TRICHLOROPROPANE	8.882	110	202547	200.628	UG/L	100
78) N-PROPYLBENZENE	8.951	91	2220701	197.304	UG/L	98
79) 2-CHLOROT0LUENE	9.018	91	1565178	196.599	UG/L	99
80) 1,3,5-TRIMETHYLBENZENE	9.132	105	1716249	192.454	UG/L	100
81) 4-CHLOROTOLUENE	9.130	91	1757457	196.528	UG/L	99
83) TERT-BUTYLBENZENE	9.445	119	1377814	188.196	UG/L	97
84) 1,2,4-TRIMETHYLBENZENE	9.495	105	1804743	186.205	UG/L	100
85) SEC-BUTYLBENZENE	9.662	105	1811053	184.518	UG/L	100
86) 1,3-DICHLOROBENZENE	9.752	146	1068394	198.009	UG/L	100
87) P-ISOPROPYLTOLUENE	9.813	119	1599660	192.250	UG/L	99
88) 1,4-DICHLOROBENZENE	9.844	146	1052682	194.463	UG/L	100
89) N-BUTYLBENZENE	10.217	91	1308578	204.038	UG/L	99
90) 1,2-DICHLOROBENZENE	10.203	146	1051901	195.559	UG/L	100
91) 1,2-DIBROMO-3-CHLOROPR...	10.976	75	112538	168.295	UG/L	97
92) 1,3,5-TRICHLOROBENZENE	11.185	180	646186	213.604	UG/L	96
93) 1,2,4-TRICHLOROBENZENE	11.793	180	541054	176.387	UG/L	96
94) HEXACHLOROBUTADIENE	11.977	225	252447	225.446	UG/L	99
95) NAPHTHALENE	12.027	128	933594	146.764	UG/L	99
96) 1,2,3-TRICHLOROBENZENE	12.270	180	350068	160.711	UG/L	95

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

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225028.D Vial: 14
Acq On : 13 Aug 2013 8:41 pm Operator:
Sample : 8260 STD 200 PPB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 13 20:59:43 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0723W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jul 24 11:45:13 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225031.D Vial: 17
Acq On : 13 Aug 2013 10:14 pm Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 12:30:13 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 14 11:03:47 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	149375	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	217734	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	114138	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	106801	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	79456	23.79	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.16%				
43) TOLUENE-D8 SS	6.118	98	221455	24.79	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.16%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	89664	25.14	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.56%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	14565	5.702	UG/L		98
4) DIFLUOROCHLOROMETHANE	1.037	51	24355	7.394	UG/L		96
5) CHLOROMETHANE	1.129	50	19863	7.668	UG/L		100
6) VINYL CHLORIDE	1.188	62	16923	7.770	UG/L		99
7) BROMOMETHANE	1.369	94	8836	7.657	UG/L		95
8) CHLOROETHANE	1.425	64	10828	10.599	UG/L		95
9) FLUORODICHLOROMETHANE	1.531	67	33641	9.754	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.570	101	30339	9.961	UG/L		99
11) ETHANOL	0.000		0	N.D.	d		
12) DI ETHYL ETHER	1.740	59	14962	9.516	UG/L		97
13) ACROLEIN	1.821	56	14288	50.429	UG/L	#	98
14) ACETONE	1.921	43	63578	91.813	UG/L		98
15) 1,1-DICHLOROETHENE	1.888	61	28115	10.495	UG/L		97
16) 1,1,2-TRICL-1,2,2-TRIF...	1.882	101	14466	10.671	UG/L		94
17) IODOMETHANE	1.991	142	17001	4.513	UG/L		98
18) METHYL ACETATE	2.150	43	15505	9.087	UG/L		96
19) T-BUTYL ALCOHOL	2.320	59	19169	101.215	UG/L		97
20) ACRYLONITRILE	2.417	53	9220	11.051	UG/L		98
21) METHYLENE CHLORIDE	2.222	49	26415	10.947	UG/L		99
22) CARBON DISULFIDE	2.038	76	45407	11.404	UG/L	#	93
23) METHYL TERT-BUTYL ETHE...	2.445	73	71825	12.768	UG/L		100
24) TRANS 1,2-DICHLOROETHENE	2.440	61	31848	11.723	UG/L		99
25) 1,1-DICHLOROETHANE	2.813	63	40429	10.597	UG/L		100
26) VINYL ACETATE	2.872	43	481513	96.809	UG/L	#	92
27) DI ISOPROPYL ETHER	2.894	45	75969	11.541	UG/L		92
28) 2-BUTANONE	3.432	43	109297	100.577	UG/L		96
29) T-BUTYL ETHYL ETHER	3.265	59	70289	11.322	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.399	61	35836	10.324	UG/L		99
31) 2,2-DICHLOROPROPANE	3.399	77	25802	9.793	UG/L		99
32) ETHYL ACETATE	3.505	43	22297	8.478	UG/L		98
33) BROMOCHLOROMETHANE	3.636	128	10633	10.665	UG/L		93
34) TETRAHYDROFURAN	3.700	42	6675	10.629	UG/L	#	65
35) CHLOROFORM	3.731	83	45181	11.382	UG/L		100
36) 1,1,1-TRICHLOROETHANE	3.904	97	33460	10.137	UG/L		99
37) CYCLOHEXANE	3.954	56	32912	10.551	UG/L		98
38) CARBON TETRACHLORIDE	4.063	117	27250	9.828	UG/L		100
39) 1,1-DICHLOROPROPENE	4.071	75	30789	10.572	UG/L		99
40) BENZENE	4.275	78	89153	10.463	UG/L		98
41) T-AMYLMETHYL ETHER	4.411	73	59083	11.125	UG/L		94
44) 1,2-DICHLOROETHANE	4.300	62	41112	11.233	UG/L		100
45) TRICHLOROETHENE	4.922	95	23089	10.860	UG/L		100
46) METHYLCYCLOHEXANE	5.100	83	24023	11.963	UG/L		99
47) 1,2-DICHLOROPROPANE	5.142	63	23973	11.225	UG/L		99
48) DIBROMOMETHANE	5.253	93	14701	10.757	UG/L		99
49) 1,4-DIOXANE	5.301	88	1642	84.595	UG/L	#	81
50) BROMODICHLOROMETHANE	5.423	83	27998	10.232	UG/L		99
51) 2-CHLOROETHYLVINYLETHER	0.000		0	N.D.			
52) MIBK	6.037	43	230199	105.213	UG/L	#	91
53) CIS-1,3-DICHLOROPROPENE	5.867	75	34833	10.328	UG/L		99

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081313\VB225031.D Vial: 17
Acq On : 13 Aug 2013 10:14 pm Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 12:30:13 2013

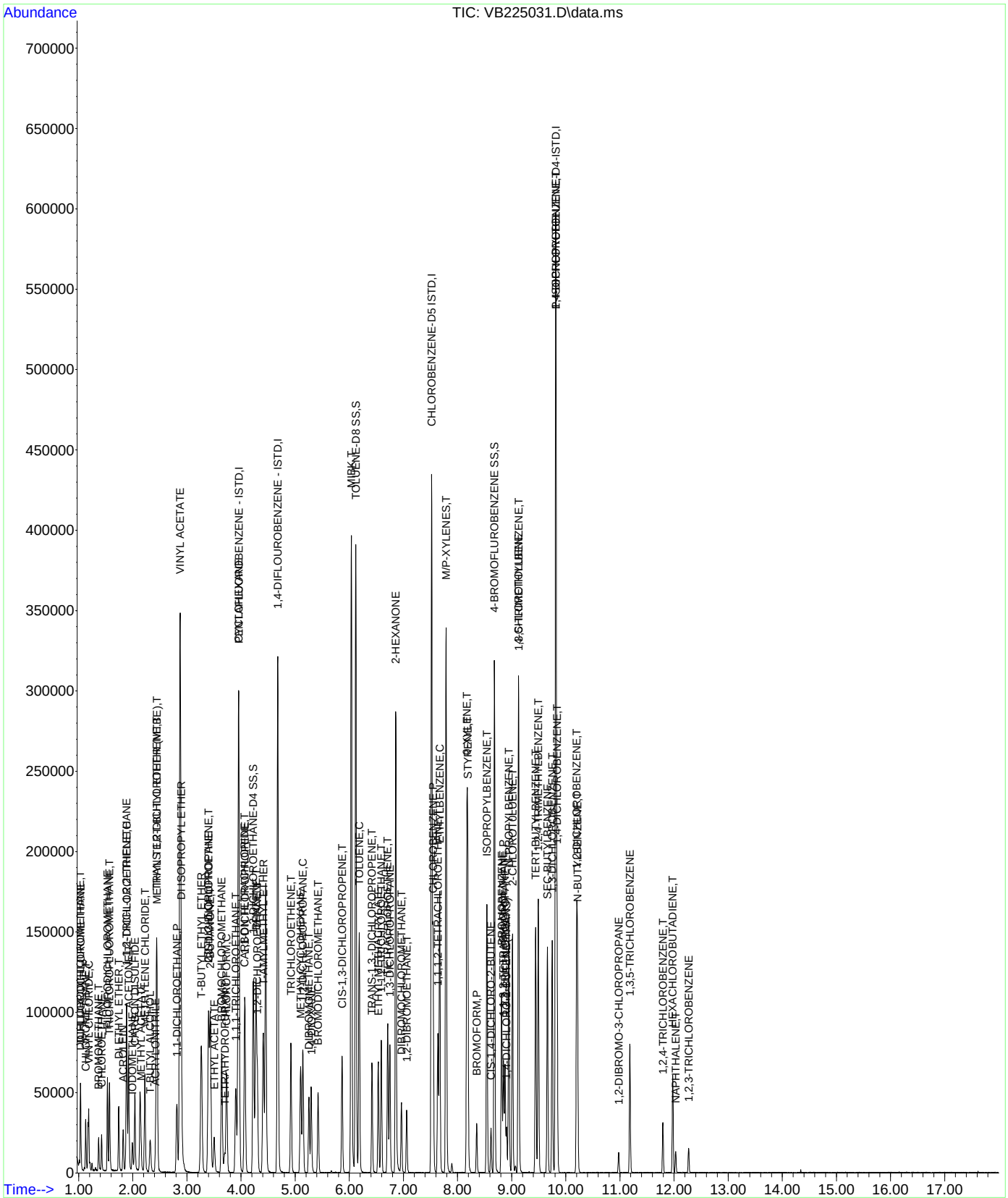
Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 14 11:03:47 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) TOLUENE	6.182	91	92314	10.141	UG/L		97
55) TRANS-1,3,-DICHLOROPRO...	6.419	75	31313	10.170	UG/L		100
56) ETHYL METHACRYLATE	6.533	41	21646	20.265	UG/L		98
57) 1,1,2-TRICHLOROETHANE	6.592	97	21251	11.022	UG/L		99
58) 2-HEXANONE	6.857	43	156740	105.047	UG/L	#	93
59) TETRACHLOROETHENE	6.709	164	18076	11.057	UG/L		98
60) 1,3-DICHLOROPROPANE	6.751	76	38129	10.830	UG/L		98
61) DIBROMOCHLOROMETHANE	6.963	129	18582	9.365	UG/L		99
62) 1,2-DIBROMOETHANE	7.060	107	21842	10.734	UG/L		98
65) CHLOROBENZENE	7.548	112	61411	10.533	UG/L		98
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	20363	10.269	UG/L		99
67) ETHYLBENZENE	7.671	91	105049	10.656	UG/L		97
68) M/P-XYLENES	7.788	91	175538	22.643	UG/L		96
69) 0-XYLENE	8.173	91	98501	12.159	UG/L		97
70) STYRENE	8.187	104	71757	12.123	UG/L		97
71) BROMOFORM	8.354	173	12018	10.449	UG/L	#	98
72) ISOPROPYLBENZENE	8.541	105	95643	10.835	UG/L		98
73) CIS-1,4-DICHLORO-2-BUTENE	8.619	53	5629	10.792	UG/L	#	73
74) 1,1,2,2-TETRACHLOROETHANE	8.845	83	27981	11.377	UG/L		99
75) 1,4-DICHLORO-2-BUTENE(...	8.906	53	5499	9.775	UG/L	#	77
76) BROMOBENZENE	8.814	77	43307	10.544	UG/L		97
77) 1,2,3-TRICHLOROPROPANE	8.876	110	9025	10.971	UG/L		73
78) N-PROPYLBENZENE	8.948	91	107682	11.030	UG/L		98
79) 2-CHLOROT0LUENE	9.015	91	73241	10.379	UG/L		97
80) 1,3,5-TRIMETHYLBENZENE	9.130	105	80927	10.840	UG/L		99
81) 4-CHLOROTOLUENE	9.124	91	86951	11.016	UG/L		98
83) TERT-BUTYLBENZENE	9.442	119	63052	10.646	UG/L		99
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	82782	10.891	UG/L		99
85) SEC-BUTYLBENZENE	9.659	105	85048	11.116	UG/L		98
86) 1,3-DICHLOROBENZENE	9.749	146	50392	11.403	UG/L		99
87) P-ISOPROPYLTOLUENE	9.813	119	72592	11.242	UG/L		98
88) 1,4-DICHLOROBENZENE	9.838	146	47376	10.560	UG/L		99
89) N-BUTYLBENZENE	10.217	91	53257	9.779	UG/L		97
90) 1,2-DICHLOROBENZENE	10.200	146	49106	11.501	UG/L		99
91) 1,2-DIBROMO-3-CHLOROPR...	10.976	75	2904	11.906	UG/L		92
92) 1,3,5-TRICHLOROBENZENE	11.182	180	22638	10.347	UG/L		98
93) 1,2,4-TRICHLOROBENZENE	11.793	180	8913	12.226	UG/L		98
94) HEXACHLOROBUTADIENE	11.977	225	11935	12.545	UG/L		98
95) NAPHTHALENE	12.030	128	9866	12.505	UG/L		97
96) 1,2,3-TRICHLOROBENZENE	12.272	180	4951	12.352	UG/L		98

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

Data File : W:\DATA\081313\VB225031.D Vial: 17
Acq On : 13 Aug 2013 10:14 pm Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 14 12:30:13 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 14 11:03:47 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB227029.D	Calibration Date:	08/13/13 00:00
Sequence:	S004587	Injection Date:	08/15/13
Lab Sample ID:	S004587-CCV1	Injection Time:	22:25

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	95.2	0.1390746	0.1323828		-4.8	20	
Acrylonitrile	A	10.0	8.94	0.1675619	0.1497409		-10.6	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.1	1.066587	1.074559		0.7	20	
Benzene	A	10.0	10.6	1.711295	1.822227		6.5	20	
Bromobenzene	A	10.0	10.9	1.079582	1.176967		9.0	20	
Bromochloromethane	A	10.0	11.0	0.2002406	0.2202465		10.0	20	
Bromodichloromethane	A	10.0	10.2	0.3770022	0.3862061		2.4	20	
Bromoform	L	10.0	9.90	0.3300727	0.2883496		-1.0	20	
Bromomethane	L	10.0	24.9	0.3394019	0.447403		149	20	*
2-Butanone (MEK)	A	100	99.9	0.2182498	0.2179754		-0.1	20	
tert-Butyl Alcohol (TBA)	A	100	93.4	3.803626E-02	3.553841E-02		-6.6	20	
n-Butylbenzene	A	10.0	9.62	1.529772	1.471839		-3.8	20	
sec-Butylbenzene	A	10.0	11.4	2.149138	2.440098		13.5	20	
tert-Butylbenzene	A	10.0	11.2	1.663604	1.857894		11.7	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.7	1.246839	1.332903		6.9	20	
Carbon Disulfide	A	100	125	0.7996875	1.00096		25.2	20	*
Carbon Tetrachloride	A	10.0	9.90	0.5568383	0.551215		-1.0	20	
Chlorobenzene	A	10.0	10.7	1.532383	1.642574		7.2	20	
Chlorodibromomethane	L	10.0	9.53	0.2348129	0.2617019		-4.7	20	
Chloroethane	A	10.0	11.8	0.2051823	0.242612		18.2	20	
Chloroform	A	10.0	11.0	0.7972526	0.8807785		10.5	20	
Chloromethane	A	10.0	11.0	0.5202681	0.5720143		9.9	20	
2-Chlorotoluene	A	10.0	10.8	1.854851	1.997556		7.7	20	
4-Chlorotoluene	A	10.0	11.2	2.074728	2.316719		11.7	20	

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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB227029.D	Calibration Date:	08/13/13 00:00
Sequence:	S004587	Injection Date:	08/15/13
Lab Sample ID:	S004587-CCV1	Injection Time:	22:25

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,2-Dibromo-3-chloropropane (DBCP)	L	10.0	10.5	0.1002588	6.218322E-02		5.0	20	
1,2-Dibromoethane (EDB)	A	10.0	11.2	0.2803702	0.3153831		12.5	20	
Dibromomethane	A	10.0	11.0	0.1882923	0.2077665		10.3	20	
1,2-Dichlorobenzene	A	10.0	11.2	1.199329	1.340028		11.7	20	
1,3-Dichlorobenzene	A	10.0	11.0	1.241371	1.364483		9.9	20	
1,4-Dichlorobenzene	A	10.0	10.6	1.260224	1.329954		5.5	20	
trans-1,4-Dichloro-2-butene	L	10.0	9.21	0.1909684	0.1297428		-7.9	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.5	0.5130503	0.5393067		5.1	20	
1,1-Dichloroethane	A	10.0	11.2	0.7662246	0.8544973		11.5	20	
1,2-Dichloroethane	A	10.0	10.9	0.5042594	0.5509037		9.3	20	
1,1-Dichloroethylene	A	10.0	11.6	0.5379972	0.6214442		15.5	20	
cis-1,2-Dichloroethylene	A	10.0	10.9	0.6971463	0.761534		9.2	20	
trans-1,2-Dichloroethylene	A	10.0	10.7	0.54561	0.5832777		6.9	20	
1,2-Dichloropropane	A	10.0	11.2	0.2942588	0.3310156		12.5	20	
1,3-Dichloropropane	A	10.0	11.1	0.4850817	0.5367486		10.7	20	
2,2-Dichloropropane	A	10.0	9.49	0.5291296	0.5021306		-5.1	20	
1,1-Dichloropropene	A	10.0	10.8	0.5848918	0.6307037		7.8	20	
cis-1,3-Dichloropropene	A	10.0	9.78	0.4646789	0.4547096		-2.1	20	
trans-1,3-Dichloropropene	A	10.0	8.76	0.424222	0.3714156		-12.4	20	
Diethyl Ether	A	10.0	10.4	0.3157784	0.329218		4.3	20	
Diisopropyl Ether (DIPE)	A	10.0	11.0	1.32198	1.452263		9.9	20	
1,4-Dioxane	A	100	76.0	2.674382E-03	0.0020335		-24.0	20	*
Ethylbenzene	A	10.0	11.1	2.591244	2.870286		10.8	20	
Hexachlorobutadiene	L	10.0	9.81	0.2505884	0.2522491		-1.9	20	
2-Hexanone (MBK)	A	100	106	0.2055853	0.2175797		5.8	20	

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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB227029.D	Calibration Date:	08/13/13 00:00
Sequence:	S004587	Injection Date:	08/15/13
Lab Sample ID:	S004587-CCV1	Injection Time:	22:25

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropylbenzene (Cumene)	A	10.0	11.2	2.320125	2.594885		11.8	20
p-Isopropyltoluene (p-Cymene)	A	10.0	11.5	1.813886	2.085751		15.0	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.1	1.129815	1.137763		0.7	20
Methylene Chloride	A	10.0	11.4	0.4846196	0.5524819		14.0	20
4-Methyl-2-pentanone (MIBK)	A	100	108	0.3014582	0.3253727		7.9	20
Naphthalene	L	10.0	11.4	0.6220308	0.1461923		13.8	20
n-Propylbenzene	A	10.0	11.1	2.56611	2.842877		10.8	20
Styrene	A	10.0	11.5	1.555726	1.79251		15.2	20
1,1,1,2-Tetrachloroethane	A	10.0	9.94	0.5211794	0.5181564		-0.6	20
1,1,2,2-Tetrachloroethane	L	10.0	10.5	0.6464287	0.6774616		4.8	20
Tetrachloroethylene	A	10.0	11.4	0.225252	0.2559827		13.6	20
Tetrahydrofuran	A	10.0	9.34	0.1261217	0.1178625		-6.5	20
Toluene	A	10.0	10.9	1.254302	1.371484		9.3	20
1,2,3-Trichlorobenzene	L	10.0	10.9	0.2506588	7.479093E-02		8.7	20
1,2,4-Trichlorobenzene	L	10.0	10.8	0.4024473	0.1549354		8.0	20
1,3,5-Trichlorobenzene	L	10.0	9.19	0.5590492	0.5451723		-8.1	20
1,1,1-Trichloroethane	A	10.0	10.8	0.6629231	0.7155822		7.9	20
1,1,2-Trichloroethane	A	10.0	10.9	0.2656624	0.2901073		9.2	20
Trichloroethylene	A	10.0	11.3	0.2929435	0.3303007		12.8	20
Trichlorofluoromethane (Freon 11)	A	10.0	11.0	0.6117059	0.6724174		9.9	20
1,2,3-Trichloropropane	A	10.0	10.5	0.2162276	0.2261115		4.6	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.4	0.272258	0.3108603		14.2	20
1,2,4-Trimethylbenzene	A	10.0	11.6	2.135096	2.476844		16.0	20

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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB227029.D	Calibration Date:	08/13/13 00:00
Sequence:	S004587	Injection Date:	08/15/13
Lab Sample ID:	S004587-CCV1	Injection Time:	22:25

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3,5-Trimethylbenzene	A	10.0	11.5	1.962168	2.263385		15.4	20
Vinyl Chloride	A	10.0	11.1	0.4374467	0.4842336		10.7	20
m+p Xylene	A	20.0	22.4	2.037659	2.286138		12.2	20
o-Xylene	A	10.0	11.2	2.129215	2.385213		12.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227029.D Vial: 29
Acq On : 15 Aug 2013 10:25 pm Operator:
Sample : BFB / 8260STD 10PPB 1308106 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 16 09:51:35 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Thu Aug 15 16:28:38 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	130245	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	188837	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	103104	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	94704	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	72368	24.85	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.40%				
43) TOLUENE-D8 SS	6.118	98	198293	25.59	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.36%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	80731	25.05	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.20%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	23414	10.512	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.034	51	30143	10.496	UG/L		98
5) CHLOROMETHANE	1.126	50	24834	10.995	UG/L		97
6) VINYL CHLORIDE	1.185	62	21023	11.070	UG/L		99
7) BROMOMETHANE	1.366	94	19424	24.916	UG/L		98
8) CHLOROETHANE	1.422	64	10533	11.824	UG/L		96
9) FLUORODICHLOROMETHANE	1.531	67	34427	11.448	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.570	101	29193	10.992	UG/L		100
11) ETHANOL	1.667	45	1286	92.130	UG/L	#	83
12) DI ETHYL ETHER	1.737	59	14293	10.426	UG/L		95
13) ACROLEIN	1.818	56	25930	104.962	UG/L	#	100
14) ACETONE	1.918	43	57474	95.188	UG/L		96
15) 1,1-DICHLOROETHENE	1.888	61	26980	11.551	UG/L		97
16) 1,1,2-TRICL-1,2,2-TRIF...	1.888	101	13496	11.418	UG/L		95
17) IODOMETHANE	1.991	142	148676	76.860	UG/L		99
18) METHYL ACETATE	2.150	43	17539	11.789	UG/L		93
19) T-BUTYL ALCOHOL	2.311	59	15429	93.433	UG/L		96
20) ACRYLONITRILE	2.417	53	6501	8.936	UG/L		98
21) METHYLENE CHLORIDE	2.222	49	23986	11.400	UG/L		96
22) CARBON DISULFIDE	2.038	76	434567	125.169	UG/L	#	93
23) METHYL TERT-BUTYL ETHE...	2.440	73	49396	10.070	UG/L		99
24) TRANS 1,2-DICHLOROETHENE	2.440	61	25323	10.690	UG/L		99
25) 1,1-DICHLOROETHANE	2.813	63	37098	11.152	UG/L		99
26) VINYL ACETATE	2.869	43	461426	106.396	UG/L	#	92
27) DI ISOPROPYL ETHER	2.889	45	63050	10.986	UG/L		92
28) 2-BUTANONE	3.427	43	94634	99.874	UG/L		96
29) T-BUTYL ETHYL ETHER	3.262	59	57868	10.690	UG/L		98
30) CIS-1,2-DICHLOROETHENE	3.399	61	33062	10.924	UG/L		99
31) 2,2-DICHLOROPROPANE	3.396	77	21800	9.490	UG/L		99
32) ETHYL ACETATE	3.502	43	22941	10.004	UG/L		96
33) BROMOCHLOROMETHANE	3.639	128	9562	10.999	UG/L		94
34) TETRAHYDROFURAN	3.695	42	5117	9.345	UG/L		99
35) CHLOROFORM	3.731	83	38239	11.048	UG/L		99
36) 1,1,1-TRICHLOROETHANE	3.904	97	31067	10.794	UG/L		96
37) CYCLOHEXANE	3.951	56	28802	10.590	UG/L		97
38) CARBON TETRACHLORIDE	4.065	117	23931	9.899	UG/L		99
39) 1,1-DICHLOROPROPENE	4.071	75	27382	10.783	UG/L		98
40) BENZENE	4.275	78	79112	10.648	UG/L		98
41) T-AMYLMETHYL ETHER	4.408	73	46652	10.075	UG/L	#	92
44) 1,2-DICHLOROETHANE	4.300	62	34677	10.925	UG/L		99
45) TRICHLOROETHENE	4.919	95	20791	11.275	UG/L		98
46) METHYLCYCLOHEXANE	5.103	83	19137	10.988	UG/L		98
47) 1,2-DICHLOROPROPANE	5.142	63	20836	11.249	UG/L		98
48) DIBROMOMETHANE	5.253	93	13078	11.034	UG/L		100
49) 1,4-DIOXANE	5.292	88	1280	76.036	UG/L	#	72
50) BROMODICHLOROMETHANE	5.426	83	24310	10.244	UG/L		100
51) 2-CHLOROETHYLVINYLETHER	5.744	63	105188	110.078	UG/L		97
52) MIBK	6.037	43	204808	107.933	UG/L	#	90
53) CIS-1,3-DICHLOROPROPENE	5.864	75	28622	9.785	UG/L		98

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227029.D Vial: 29
Acq On : 15 Aug 2013 10:25 pm Operator:
Sample : BFB / 8260STD 10PPB 1308106 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 16 09:51:35 2013

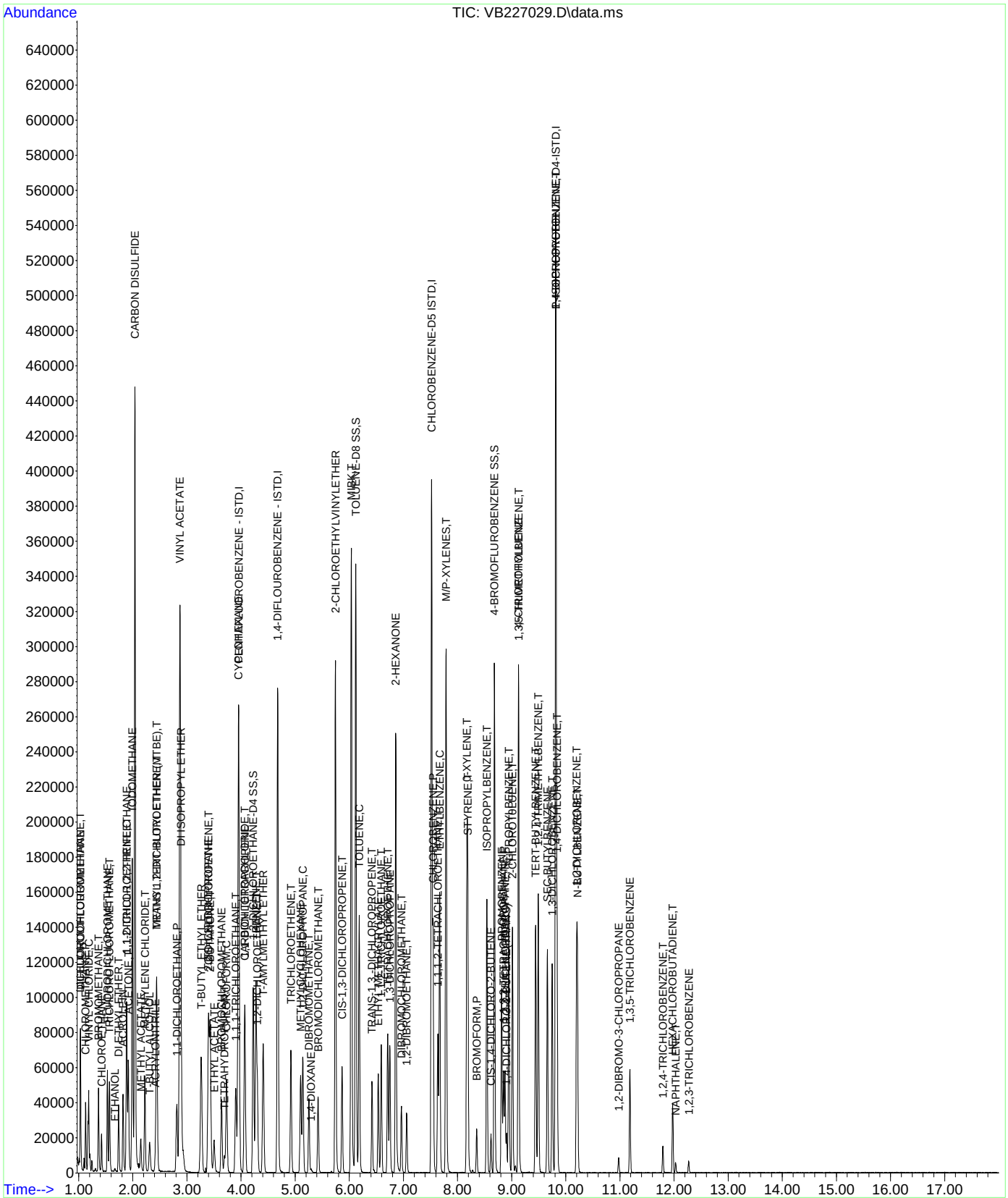
Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Thu Aug 15 16:28:38 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
54) TOLUENE	6.182	91	86329	10.934 UG/L	99
55) TRANS-1,3,-DICHLOROPRO...	6.419	75	23379	8.755 UG/L	97
56) ETHYL METHACRYLATE	6.533	41	18296	19.750 UG/L	98
57) 1,1,2-TRICHLOROETHANE	6.592	97	18261	10.920 UG/L	99
58) 2-HEXANONE	6.857	43	136957	105.834 UG/L #	93
59) TETRACHLOROETHENE	6.712	164	16113	11.364 UG/L	99
60) 1,3-DICHLOROPROPANE	6.751	76	33786	11.065 UG/L	98
61) DIBROMOCHLOROMETHANE	6.963	129	16473	9.528 UG/L	99
62) 1,2-DIBROMOETHANE	7.058	107	19852	11.249 UG/L	99
65) CHLOROBENZENE	7.548	112	56452	10.719 UG/L	97
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	17808	9.942 UG/L	99
67) ETHYLBENZENE	7.671	91	98646	11.077 UG/L	96
68) M/P-XYLENES	7.788	91	157140	22.439 UG/L	95
69) 0-XYLENE	8.173	91	81975	11.202 UG/L	96
70) STYRENE	8.190	104	61605	11.522 UG/L	98
71) BROMOFORM	8.354	173	9910	9.903 UG/L	96
72) ISOPROPYLBENZENE	8.541	105	89181	11.184 UG/L	97
73) CIS-1,4-DICHLORO-2-BUTENE	8.617	53	4574	10.249 UG/L #	68
74) 1,1,2,2-TETRACHLOROETHANE	8.848	83	23283	10.480 UG/L	99
75) 1,4-DICHLORO-2-BUTENE(...	8.907	53	4459	9.213 UG/L #	72
76) BROMOBENZENE	8.815	77	40450	10.902 UG/L	97
77) 1,2,3-TRICHLOROPROPANE	8.879	110	7771	10.457 UG/L	75
78) N-PROPYLBENZENE	8.948	91	97704	11.079 UG/L	97
79) 2-CHLOROT0LUENE	9.013	91	68652	10.769 UG/L	98
80) 1,3,5-TRIMETHYLBENZENE	9.130	105	77788	11.535 UG/L	98
81) 4-CHLOROTOLUENE	9.124	91	79621	11.166 UG/L	98
83) TERT-BUTYLBENZENE	9.442	119	58650	11.168 UG/L	98
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	78189	11.601 UG/L	97
85) SEC-BUTYLBENZENE	9.659	105	77029	11.354 UG/L	97
86) 1,3-DICHLOROBENZENE	9.749	146	43074	10.992 UG/L	99
87) P-ISOPROPYLTOLUENE	9.813	119	65843	11.499 UG/L	98
88) 1,4-DICHLOROBENZENE	9.838	146	41984	10.553 UG/L	98
89) N-BUTYLBENZENE	10.214	91	46463	9.621 UG/L	97
90) 1,2-DICHLOROBENZENE	10.200	146	42302	11.173 UG/L	98
91) 1,2-DIBROMO-3-CHLOROPR...	10.976	75	1963	10.496 UG/L	95
92) 1,3,5-TRICHLOROBENZENE	11.182	180	17210	9.187 UG/L	98
93) 1,2,4-TRICHLOROBENZENE	11.793	180	4891	10.803 UG/L	95
94) HEXACHLOROBUTADIENE	11.974	225	7963	9.812 UG/L	98
95) NAPHTHALENE	12.033	128	4615	11.378 UG/L #	84
96) 1,2,3-TRICHLOROBENZENE	12.275	180	2361	10.873 UG/L	97

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

Data File : W:\DATA\081513\VB227029.D Vial: 29
Acq On : 15 Aug 2013 10:25 pm Operator:
Sample : BFB / 8260STD 10PPB 1308106 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 16 09:51:35 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Thu Aug 15 16:28:38 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB231003.D	Calibration Date:	08/13/13 00:00
Sequence:	S004588	Injection Date:	08/19/13
Lab Sample ID:	S004588-CCV1	Injection Time:	09:48

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	93.7	0.1390746	0.1303713		-6.3	20	
Acrylonitrile	A	10.0	9.06	0.1675619	0.1517396		-9.4	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	11.1	1.066587	1.182316		10.9	20	
Benzene	A	10.0	10.4	1.711295	1.772278		3.6	20	
Bromobenzene	A	10.0	10.7	1.079582	1.151439		6.7	20	
Bromochloromethane	A	10.0	10.8	0.2002406	0.2160766		7.9	20	
Bromodichloromethane	A	10.0	11.0	0.3770022	0.4149664		10.1	20	
Bromoform	L	10.0	10.6	0.3300727	0.3230192		5.9	20	
Bromomethane	L	10.0	14.4	0.3394019	0.2827347		43.9	20	*
2-Butanone (MEK)	A	100	98.4	0.2182498	0.2148677		-1.5	20	
tert-Butyl Alcohol (TBA)	A	100	103	3.803626E-02	3.916796E-02		3.0	20	
n-Butylbenzene	A	10.0	9.59	1.529772	1.466771		-4.1	20	
sec-Butylbenzene	A	10.0	11.1	2.149138	2.376152		10.6	20	
tert-Butylbenzene	A	10.0	10.8	1.663604	1.799453		8.2	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	11.3	1.246839	1.406106		12.8	20	
Carbon Disulfide	A	100	123	0.7996875	0.984552		23.1	20	*
Carbon Tetrachloride	A	10.0	10.0	0.5568383	0.5580226		0.2	20	
Chlorobenzene	A	10.0	10.5	1.532383	1.608369		5.0	20	
Chlorodibromomethane	L	10.0	10.2	0.2348129	0.2833005		1.5	20	
Chloroethane	A	10.0	11.3	0.2051823	0.2308492		12.5	20	
Chloroform	A	10.0	11.1	0.7972526	0.8822221		10.7	20	
Chloromethane	A	10.0	10.1	0.5202681	0.5241737		0.8	20	
2-Chlorotoluene	A	10.0	10.6	1.854851	1.969498		6.2	20	
4-Chlorotoluene	A	10.0	11.0	2.074728	2.27603		9.7	20	

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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB231003.D	Calibration Date:	08/13/13 00:00
Sequence:	S004588	Injection Date:	08/19/13
Lab Sample ID:	S004588-CCV1	Injection Time:	09:48

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,2-Dibromo-3-chloropropane (DBCP)	L	10.0	10.5	0.1002588	6.223984E-02		5.0	20	
1,2-Dibromoethane (EDB)	A	10.0	11.1	0.2803702	0.3115504		11.1	20	
Dibromomethane	A	10.0	11.0	0.1882923	0.2073663		10.1	20	
1,2-Dichlorobenzene	A	10.0	10.6	1.199329	1.273396		6.2	20	
1,3-Dichlorobenzene	A	10.0	10.7	1.241371	1.333165		7.4	20	
1,4-Dichlorobenzene	A	10.0	10.4	1.260224	1.313429		4.2	20	
trans-1,4-Dichloro-2-butene	L	10.0	10.4	0.1909684	0.1621102		4.4	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	9.53	0.5130503	0.4889951		-4.7	20	
1,1-Dichloroethane	A	10.0	10.8	0.7662246	0.8251868		7.7	20	
1,2-Dichloroethane	A	10.0	11.2	0.5042594	0.5648145		12.0	20	
1,1-Dichloroethylene	A	10.0	11.1	0.5379972	0.5979642		11.1	20	
cis-1,2-Dichloroethylene	A	10.0	11.0	0.6971463	0.7657337		9.8	20	
trans-1,2-Dichloroethylene	A	10.0	10.6	0.54561	0.5794441		6.2	20	
1,2-Dichloropropane	A	10.0	11.0	0.2942588	0.3232878		9.9	20	
1,3-Dichloropropane	A	10.0	10.9	0.4850817	0.5307209		9.4	20	
2,2-Dichloropropane	A	10.0	12.4	0.5291296	0.6568854		24.1	20	*
1,1-Dichloropropene	A	10.0	10.4	0.5848918	0.6104641		4.4	20	
cis-1,3-Dichloropropene	A	10.0	10.6	0.4646789	0.4943233		6.4	20	
trans-1,3-Dichloropropene	A	10.0	9.92	0.424222	0.420927		-0.8	20	
Diethyl Ether	A	10.0	10.6	0.3157784	0.3355872		6.3	20	
Diisopropyl Ether (DIPE)	A	10.0	11.0	1.32198	1.455622		10.1	20	
1,4-Dioxane	A	100	87.0	2.674382E-03	2.327445E-03		-13.0	20	
Ethylbenzene	A	10.0	10.7	2.591244	2.7811		7.3	20	
Hexachlorobutadiene	L	10.0	9.99	0.2505884	0.2575919		-0.1	20	
2-Hexanone (MBK)	A	100	105	0.2055853	0.2163956		5.3	20	

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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB231003.D	Calibration Date:	08/13/13 00:00
Sequence:	S004588	Injection Date:	08/19/13
Lab Sample ID:	S004588-CCV1	Injection Time:	09:48

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropylbenzene (Cumene)	A	10.0	10.9	2.320125	2.519435		8.6	20
p-Isopropyltoluene (p-Cymene)	A	10.0	11.5	1.813886	2.088478		15.1	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.7	1.129815	1.214255		7.5	20
Methylene Chloride	A	10.0	11.9	0.4846196	0.5783803		19.3	20
4-Methyl-2-pentanone (MIBK)	A	100	106	0.3014582	0.3203743		6.3	20
Naphthalene	L	10.0	11.1	0.6220308	0.1139032		11.0	20
n-Propylbenzene	A	10.0	10.9	2.56611	2.79987		9.1	20
Styrene	A	10.0	11.2	1.555726	1.745943		12.2	20
1,1,1,2-Tetrachloroethane	A	10.0	10.4	0.5211794	0.5426998		4.1	20
1,1,2,2-Tetrachloroethane	L	10.0	10.2	0.6464287	0.6593423		2.0	20
Tetrachloroethylene	A	10.0	11.2	0.225252	0.2523959		12.1	20
Tetrahydrofuran	A	10.0	9.53	0.1261217	0.1201876		-4.7	20
Toluene	A	10.0	10.8	1.254302	1.349484		7.6	20
1,2,3-Trichlorobenzene	L	10.0	10.5	0.2506588	5.785768E-02		4.8	20
1,2,4-Trichlorobenzene	L	10.0	10.2	0.4024473	0.1175605		2.4	20
1,3,5-Trichlorobenzene	L	10.0	8.83	0.5590492	0.517589		-11.7	20
1,1,1-Trichloroethane	A	10.0	10.8	0.6629231	0.7136064		7.6	20
1,1,2-Trichloroethane	A	10.0	10.5	0.2656624	0.2793435		5.1	20
Trichloroethylene	A	10.0	10.8	0.2929435	0.3156577		7.8	20
Trichlorofluoromethane (Freon 11)	A	10.0	10.8	0.6117059	0.66131		8.1	20
1,2,3-Trichloropropane	A	10.0	10.0	0.2162276	0.217188		0.4	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.2	0.272258	0.3045188		11.8	20
1,2,4-Trimethylbenzene	A	10.0	11.4	2.135096	2.426563		13.7	20

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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB231003.D	Calibration Date:	08/13/13 00:00
Sequence:	S004588	Injection Date:	08/19/13
Lab Sample ID:	S004588-CCV1	Injection Time:	09:48

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3,5-Trimethylbenzene	A	10.0	11.3	1.962168	2.221433		13.2	20
Vinyl Chloride	A	10.0	10.3	0.4374467	0.4497062		2.8	20
m+p Xylene	A	20.0	21.9	2.037659	2.232274		9.6	20
o-Xylene	A	10.0	11.0	2.129215	2.35234		10.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231003.D Vial: 3
Acq On : 19 Aug 2013 9:48 am Operator:
Sample : BFB / 8260STD 10PPB 1308106 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 20 15:05:56 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Aug 20 14:56:15 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	124081	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	179682	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	99895	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	91051	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	71370	25.73	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.92%				
43) TOLUENE-D8 SS	6.121	98	185739	25.19	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.76%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	77572	24.85	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.40%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	20225	9.531	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.034	51	26198	9.575	UG/L		98
5) CHLOROMETHANE	1.126	50	21680	10.075	UG/L		100
6) VINYL CHLORIDE	1.185	62	18600	10.280	UG/L		98
7) BROMOMETHANE	1.366	94	11694	14.388	UG/L		99
8) CHLOROETHANE	1.425	64	9548	11.251	UG/L		98
9) FLUORODICHLOROMETHANE	1.531	67	31705	11.067	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.570	101	27352	10.811	UG/L		100
11) ETHANOL	1.667	45	1381	103.850	UG/L	#	83
12) DI ETHYL ETHER	1.734	59	13880	10.627	UG/L		93
13) ACROLEIN	1.818	56	25954	110.278	UG/L	#	98
14) ACETONE	1.918	43	53922	93.742	UG/L		96
15) 1,1-DICHLOROETHENE	1.885	61	24732	11.115	UG/L		96
16) 1,1,2-TRICL-1,2,2-TRIF...	1.882	101	12595	11.185	UG/L		99
17) IODOMETHANE	1.991	142	172999	94.652	UG/L		98
18) METHYL ACETATE	2.147	43	14630	10.322	UG/L		94
19) T-BUTYL ALCOHOL	2.314	59	16200	102.975	UG/L		97
20) ACRYLONITRILE	2.420	53	6276	9.056	UG/L		98
21) METHYLENE CHLORIDE	2.222	49	23922	11.935	UG/L		93
22) CARBON DISULFIDE	2.038	76	407214	123.117	UG/L	#	93
23) METHYL TERT-BUTYL ETHE...	2.440	73	50222	10.747	UG/L		97
24) TRANS 1,2-DICHLOROETHENE	2.437	61	23966	10.620	UG/L		97
25) 1,1-DICHLOROETHANE	2.811	63	34130	10.770	UG/L		100
26) VINYL ACETATE	2.869	43	465459	112.658	UG/L	#	92
27) DI ISOPROPYL ETHER	2.886	45	60205	11.011	UG/L		91
28) 2-BUTANONE	3.427	43	88870	98.450	UG/L		95
29) T-BUTYL ETHYL ETHER	3.259	59	58157	11.277	UG/L		97
30) CIS-1,2-DICHLOROETHENE	3.399	61	31671	10.984	UG/L		97
31) 2,2-DICHLOROPROPANE	3.396	77	27169	12.414	UG/L		99
32) ETHYL ACETATE	3.502	43	20041	9.173	UG/L		98
33) BROMOCHLOROMETHANE	3.636	128	8937	10.791	UG/L		93
34) TETRAHYDROFURAN	3.695	42	4971	9.529	UG/L		94
35) CHLOROFORM	3.731	83	36489	11.066	UG/L		99
36) 1,1,1-TRICHLOROETHANE	3.898	97	29515	10.765	UG/L		98
37) CYCLOHEXANE	3.951	56	26546	10.245	UG/L		97
38) CARBON TETRACHLORIDE	4.065	117	23080	10.021	UG/L		99
39) 1,1-DICHLOROPROPENE	4.068	75	25249	10.437	UG/L		98
40) BENZENE	4.275	78	73302	10.356	UG/L		98
41) T-AMYLMETHYL ETHER	4.408	73	48901	11.085	UG/L		95
44) 1,2-DICHLOROETHANE	4.297	62	33829	11.201	UG/L		99
45) TRICHLOROETHENE	4.922	95	18906	10.775	UG/L		99
46) METHYLCYCLOHEXANE	5.100	83	17656	10.655	UG/L		96
47) 1,2-DICHLOROPROPANE	5.142	63	19363	10.987	UG/L		97
48) DIBROMOMETHANE	5.251	93	12420	11.013	UG/L		99
49) 1,4-DIOXANE	5.292	88	1394	87.027	UG/L	#	73
50) BROMODICHLOROMETHANE	5.423	83	24854	11.007	UG/L		99
51) 2-CHLOROETHYLVINYLETHER	5.744	63	101535	111.669	UG/L		96
52) MIBK	6.037	43	191885	106.275	UG/L	#	91
53) CIS-1,3-DICHLOROPROPENE	5.867	75	29607	10.638	UG/L		98

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231003.D Vial: 3
Acq On : 19 Aug 2013 9:48 am Operator:
Sample : BFB / 8260STD 10PPB 1308106 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 20 15:05:56 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Aug 20 14:56:15 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

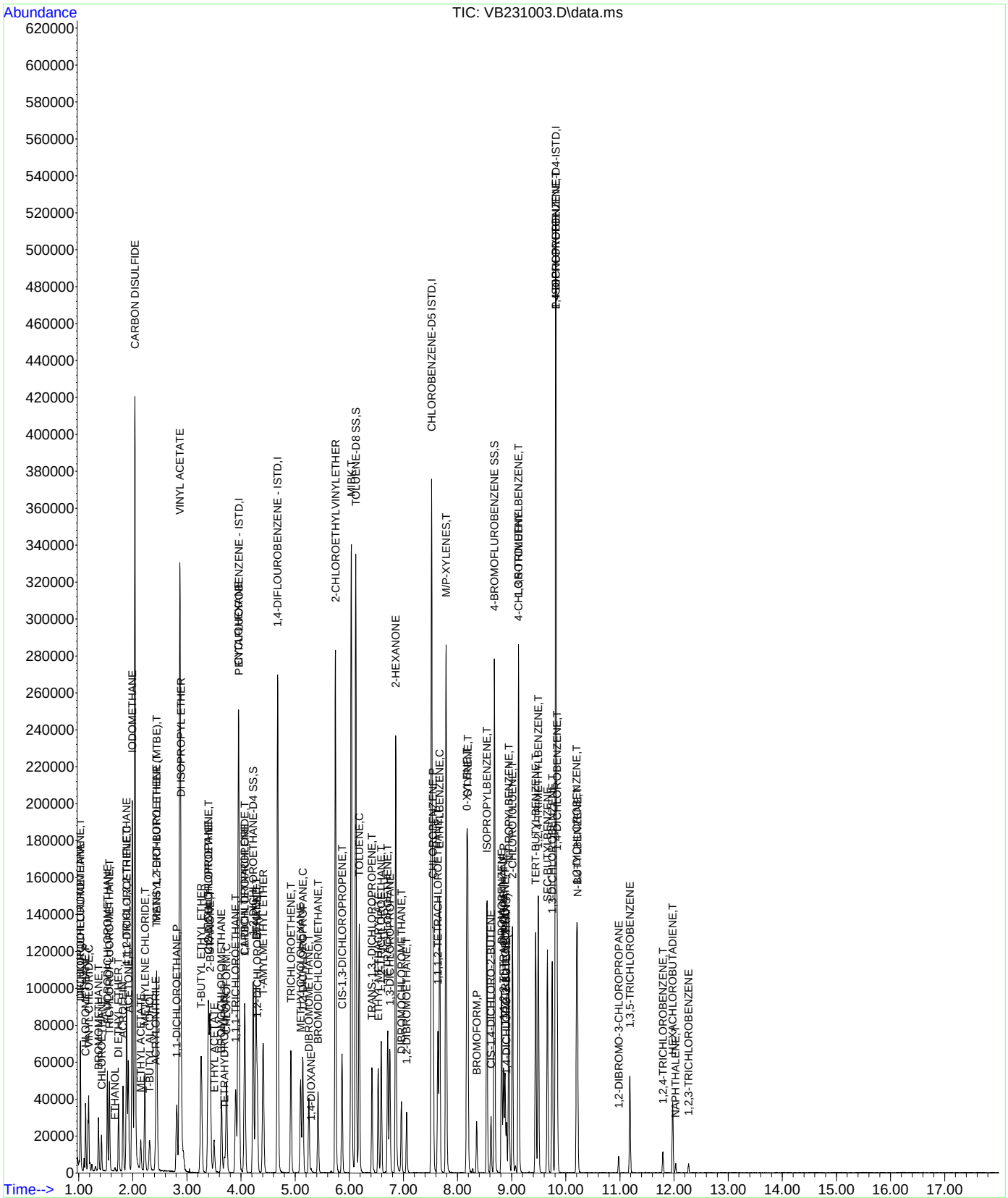
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
54) TOLUENE	6.185	91	80826	10.759 UG/L	97
55) TRANS-1,3,-DICHLOROPRO...	6.419	75	25211	9.922 UG/L	96
56) ETHYL METHACRYLATE	6.533	41	18051	20.479 UG/L	93
57) 1,1,2-TRICHLOROETHANE	6.589	97	16731	10.515 UG/L	97
58) 2-HEXANONE	6.857	43	129608	105.258 UG/L #	92
59) TETRACHLOROETHENE	6.709	164	15117	11.205 UG/L	100
60) 1,3-DICHLOROPROPANE	6.751	76	31787	10.941 UG/L	96
61) DIBROMOCHLOROMETHANE	6.963	129	16968	10.150 UG/L	99
62) 1,2-DIBROMOETHANE	7.058	107	18660	11.112 UG/L	99
65) CHLOROBENZENE	7.546	112	53556	10.496 UG/L	97
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	18071	10.413 UG/L	100
67) ETHYLBENZENE	7.668	91	92606	10.733 UG/L	96
68) M/P-XYLENES	7.788	91	148662	21.910 UG/L	94
69) 0-XYLENE	8.170	91	78329	11.048 UG/L	95
70) STYRENE	8.187	104	58137	11.223 UG/L	98
71) BROMOFORM	8.354	173	10756	10.590 UG/L #	98
72) ISOPROPYLBENZENE	8.544	105	83893	10.859 UG/L	96
73) CIS-1,4-DICHLORO-2-BUTENE	8.619	53	6028	11.999 UG/L #	75
74) 1,1,2,2-TETRACHLOROETHANE	8.848	83	21955	10.200 UG/L	98
75) 1,4-DICHLORO-2-BUTENE(...	8.904	53	5398	10.443 UG/L #	79
76) BROMOBENZENE	8.812	77	38341	10.666 UG/L	96
77) 1,2,3-TRICHLOROPROPANE	8.879	110	7232	10.044 UG/L #	63
78) N-PROPYLBENZENE	8.948	91	93231	10.911 UG/L	96
79) 2-CHLOROT0LUENE	9.012	91	65581	10.618 UG/L	95
80) 1,3,5-TRIMETHYLBENZENE	9.127	105	73970	11.321 UG/L	98
81) 4-CHLOROTOLUENE	9.124	91	75788	10.970 UG/L	97
83) TERT-BUTYLBENZENE	9.442	119	54614	10.817 UG/L	99
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	73647	11.365 UG/L	98
85) SEC-BUTYLBENZENE	9.659	105	72117	11.056 UG/L	98
86) 1,3-DICHLOROBENZENE	9.749	146	40462	10.739 UG/L	99
87) P-ISOPROPYLTOLUENE	9.813	119	63386	11.514 UG/L	98
88) 1,4-DICHLOROBENZENE	9.838	146	39863	10.422 UG/L	99
89) N-BUTYLBENZENE	10.214	91	44517	9.588 UG/L	97
90) 1,2-DICHLOROBENZENE	10.200	146	38648	10.618 UG/L	99
91) 1,2-DIBROMO-3-CHLOROPR...	10.976	75	1889	10.501 UG/L	98
92) 1,3,5-TRICHLOROBENZENE	11.185	180	15709	8.834 UG/L	100
93) 1,2,4-TRICHLOROBENZENE	11.793	180	3568	10.245 UG/L	94
94) HEXACHLOROBUTADIENE	11.974	225	7818	9.988 UG/L	98
95) NAPHTHALENE	12.027	128	3457	11.100 UG/L #	69
96) 1,2,3-TRICHLOROBENZENE	12.270	180	1756	10.483 UG/L	98

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

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231003.D Vial: 3
Acq On : 19 Aug 2013 9:48 am Operator:
Sample : BFB / 8260STD 10PPB 1308106 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 20 15:05:56 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Aug 20 14:56:15 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB233002.D	Calibration Date:	08/13/13 00:00
Sequence:	S004589	Injection Date:	08/21/13
Lab Sample ID:	S004589-CCV1	Injection Time:	05:32

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	82.0	0.1390746	0.1140178		-18.0	20	
Acrylonitrile	A	10.0	9.92	0.1675619	0.1661602		-0.8	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	9.57	1.066587	1.020999		-4.3	20	
Benzene	A	10.0	10.1	1.711295	1.729966		1.1	20	
Bromobenzene	A	10.0	10.3	1.079582	1.110833		2.9	20	
Bromochloromethane	A	10.0	10.9	0.2002406	0.2177139		8.7	20	
Bromodichloromethane	A	10.0	11.0	0.3770022	0.4144107		9.9	20	
Bromoform	L	10.0	9.95	0.3300727	0.2908325		-0.5	20	
Bromomethane	L	10.0	12.4	0.3394019	0.2511157		23.7	20	*
2-Butanone (MEK)	A	100	88.5	0.2182498	0.193117		-11.5	20	
tert-Butyl Alcohol (TBA)	A	100	83.0	3.803626E-02	3.156194E-02		-17.0	20	
n-Butylbenzene	A	10.0	8.95	1.529772	1.368689		-10.5	20	
sec-Butylbenzene	A	10.0	11.1	2.149138	2.392845		11.3	20	
tert-Butylbenzene	A	10.0	10.8	1.663604	1.803081		8.4	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.2	1.246839	1.274524		2.2	20	
Carbon Disulfide	A	100	122	0.7996875	0.9742697		21.8	20	*
Carbon Tetrachloride	A	10.0	11.0	0.5568383	0.6127584		10.0	20	
Chlorobenzene	A	10.0	10.1	1.532383	1.550849		1.2	20	
Chlorodibromomethane	L	10.0	9.95	0.2348129	0.2762927		-0.5	20	
Chloroethane	A	10.0	11.0	0.2051823	0.2257084		10.0	20	
Chloroform	A	10.0	11.4	0.7972526	0.906256		13.7	20	
Chloromethane	A	10.0	10.7	0.5202681	0.5591786		7.5	20	
2-Chlorotoluene	A	10.0	10.3	1.854851	1.913145		3.1	20	
4-Chlorotoluene	A	10.0	10.8	2.074728	2.233202		7.6	20	

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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB233002.D	Calibration Date:	08/13/13 00:00
Sequence:	S004589	Injection Date:	08/21/13
Lab Sample ID:	S004589-CCV1	Injection Time:	05:32

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,2-Dibromo-3-chloropropane (DBCP)	L	10.0	8.99	0.1002588	4.143256E-02		-10.1	20	
1,2-Dibromoethane (EDB)	A	10.0	10.3	0.2803702	0.2880623		2.7	20	
Dibromomethane	A	10.0	10.9	0.1882923	0.2046738		8.7	20	
1,2-Dichlorobenzene	A	10.0	10.1	1.199329	1.210373		0.9	20	
1,3-Dichlorobenzene	A	10.0	10.4	1.241371	1.291251		4.0	20	
1,4-Dichlorobenzene	A	10.0	10.1	1.260224	1.269579		0.7	20	
trans-1,4-Dichloro-2-butene	L	10.0	9.71	0.1909684	0.1428267		-2.9	20	
Dichlorodifluoromethane (Freon 12)	A	10.0	11.1	0.5130503	0.5682136		10.8	20	
1,1-Dichloroethane	A	10.0	11.0	0.7662246	0.8417522		9.9	20	
1,2-Dichloroethane	A	10.0	11.4	0.5042594	0.5725918		13.6	20	
1,1-Dichloroethylene	A	10.0	11.3	0.5379972	0.6105407		13.5	20	
cis-1,2-Dichloroethylene	A	10.0	11.2	0.6971463	0.7814648		12.1	20	
trans-1,2-Dichloroethylene	A	10.0	12.5	0.54561	0.6796167		24.6	20	*
1,2-Dichloropropane	A	10.0	10.5	0.2942588	0.3091644		5.1	20	
1,3-Dichloropropane	A	10.0	10.5	0.4850817	0.5098332		5.1	20	
2,2-Dichloropropane	A	10.0	12.0	0.5291296	0.637399		20.5	20	*
1,1-Dichloropropene	A	10.0	10.6	0.5848918	0.6203149		6.1	20	
cis-1,3-Dichloropropene	A	10.0	9.92	0.4646789	0.4607712		-0.8	20	
trans-1,3-Dichloropropene	A	10.0	8.98	0.424222	0.3809722		-10.2	20	
Diethyl Ether	A	10.0	9.88	0.3157784	0.3119233		-1.2	20	
Diisopropyl Ether (DIPE)	A	10.0	10.8	1.32198	1.427324		8.0	20	
1,4-Dioxane	A	100	70.6	2.674382E-03	1.887291E-03		-29.4	20	*
Ethylbenzene	A	10.0	10.3	2.591244	2.679909		3.4	20	
Hexachlorobutadiene	L	10.0	8.45	0.2505884	0.210985		-15.5	20	
2-Hexanone (MBK)	A	100	89.4	0.2055853	0.1838362		-10.6	20	

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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB233002.D	Calibration Date:	08/13/13 00:00
Sequence:	S004589	Injection Date:	08/21/13
Lab Sample ID:	S004589-CCV1	Injection Time:	05:32

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Isopropylbenzene (Cumene)	A	10.0	10.5	2.320125	2.444197		5.3	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	11.5	1.813886	2.083094		14.8	20	
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.3	1.129815	1.158631		2.6	20	
Methylene Chloride	A	10.0	12.3	0.4846196	0.5956742		22.9	20	*
4-Methyl-2-pentanone (MIBK)	A	100	94.9	0.3014582	0.2861731		-5.1	20	
Naphthalene	L	10.0	10.3	0.6220308	1.872874E-02		2.8	20	
n-Propylbenzene	A	10.0	10.6	2.56611	2.707419		5.5	20	
Styrene	A	10.0	10.6	1.555726	1.650797		6.1	20	
1,1,1,2-Tetrachloroethane	A	10.0	9.96	0.5211794	0.5193485		-0.4	20	
1,1,2,2-Tetrachloroethane	L	10.0	8.86	0.6464287	0.5726184		-11.4	20	
Tetrachloroethylene	A	10.0	11.2	0.225252	0.2523756		12.0	20	
Tetrahydrofuran	A	10.0	7.97	0.1261217	0.1005065		-20.3	20	*
Toluene	A	10.0	10.4	1.254302	1.301759		3.8	20	
1,2,3-Trichlorobenzene	L	10.0	9.32	0.2506588	7.453274E-03		-6.8	20	
1,2,4-Trichlorobenzene	L	10.0	9.12	0.4024473	4.238811E-02		-8.8	20	
1,3,5-Trichlorobenzene	L	10.0	7.25	0.5590492	0.3935711		-27.5	20	*
1,1,1-Trichloroethane	A	10.0	11.3	0.6629231	0.7486379		12.9	20	
1,1,2-Trichloroethane	A	10.0	10.3	0.2656624	0.2738934		3.1	20	
Trichloroethylene	A	10.0	10.9	0.2929435	0.3194793		9.1	20	
Trichlorofluoromethane (Freon 11)	A	10.0	11.7	0.6117059	0.7166598		17.2	20	
1,2,3-Trichloropropane	A	10.0	8.65	0.2162276	0.1870838		-13.5	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.3	0.272258	0.3079808		13.1	20	
1,2,4-Trimethylbenzene	A	10.0	11.6	2.135096	2.481596		16.2	20	

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7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	GCMSVOA2	Calibration:	1300088
Lab File ID:	VB233002.D	Calibration Date:	08/13/13 00:00
Sequence:	S004589	Injection Date:	08/21/13
Lab Sample ID:	S004589-CCV1	Injection Time:	05:32

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3,5-Trimethylbenzene	A	10.0	11.0	1.962168	2.148555		9.5	20
Vinyl Chloride	A	10.0	10.4	0.4374467	0.4557153		4.2	20
m+p Xylene	A	20.0	21.4	2.037659	2.176737		6.8	20
o-Xylene	A	10.0	10.6	2.129215	2.257045		6.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : W:\DATA\082113\VB233002.D Vial: 2
Acq On : 21 Aug 2013 5:32 am Operator:
Sample : 8260 STD 10 PPB 1307209/BFB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 21 12:20:06 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 14 11:03:47 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.954	168	109575	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	158799	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	89206	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	78489	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	66396	27.10	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 108.40%				
43) TOLUENE-D8 SS	6.118	98	164955	25.32	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.28%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	69289	24.85	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.40%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	20754	11.075	UG/L		98
4) DIFLUOROCHLOROMETHANE	1.034	51	25522	10.563	UG/L		100
5) CHLOROMETHANE	1.126	50	20424	10.748	UG/L		98
6) VINYL CHLORIDE	1.185	62	16645	10.418	UG/L		98
7) BROMOMETHANE	1.366	94	9172	12.366	UG/L		98
8) CHLOROETHANE	1.422	64	8244	11.000	UG/L		97
9) FLUORODICHLOROMETHANE	1.531	67	28562	11.290	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.570	101	26176	11.716	UG/L		100
11) ETHANOL	1.673	45	971	82.685	UG/L		93
12) DI ETHYL ETHER	1.737	59	11393	9.878	UG/L		94
13) ACROLEIN	1.821	56	19882	95.662	UG/L	#	99
14) ACETONE	1.918	43	41645	81.983	UG/L		95
15) 1,1-DICHLOROETHENE	1.885	61	22300	11.348	UG/L		94
16) 1,1,2-TRICL-1,2,2-TRIF...	1.885	101	11249	11.312	UG/L		99
17) IODOMETHANE	1.988	142	156463	97.022	UG/L		95
18) METHYL ACETATE	2.150	43	10828	8.651	UG/L		93
19) T-BUTYL ALCOHOL	2.320	59	11528	82.979	UG/L	#	89
20) ACRYLONITRILE	2.417	53	6069	9.916	UG/L		99
21) METHYLENE CHLORIDE	2.222	49	21757	12.292	UG/L		91
22) CARBON DISULFIDE	2.038	76	355852	121.831	UG/L	#	93
23) METHYL TERT-BUTYL ETHE...	2.440	73	42319	10.255	UG/L		100
24) TRANS 1,2-DICHLOROETHENE	2.440	61	24823	12.456	UG/L		94
25) 1,1-DICHLOROETHANE	2.816	63	30745	10.986	UG/L		98
26) VINYL ACETATE	2.872	43	393209	107.770	UG/L	#	91
27) DI ISOPROPYL ETHER	2.886	45	52133	10.797	UG/L		90
28) 2-BUTANONE	3.430	43	70536	88.484	UG/L		94
29) T-BUTYL ETHYL ETHER	3.262	59	46552	10.222	UG/L		96
30) CIS-1,2-DICHLOROETHENE	3.399	61	28543	11.209	UG/L		95
31) 2,2-DICHLOROPROPANE	3.393	77	23281	12.046	UG/L		98
32) ETHYL ACETATE	3.502	43	14953	7.750	UG/L		99
33) BROMOCHLOROMETHANE	3.642	128	7952	10.873	UG/L		93
34) TETRAHYDROFURAN	3.692	42	3671	7.969	UG/L		91
35) CHLOROFORM	3.731	83	33101	11.367	UG/L		100
36) 1,1,1-TRICHLOROETHANE	3.901	97	27344	11.293	UG/L		98
37) CYCLOHEXANE	3.948	56	23122	10.105	UG/L		98
38) CARBON TETRACHLORIDE	4.065	117	22381	11.004	UG/L		100
39) 1,1-DICHLOROPROPENE	4.068	75	22657	10.606	UG/L		98
40) BENZENE	4.275	78	63187	10.109	UG/L		99
41) T-AMYLMETHYL ETHER	4.408	73	37292	9.573	UG/L	#	89
44) 1,2-DICHLOROETHANE	4.297	62	30309	11.355	UG/L		99
45) TRICHLOROETHENE	4.919	95	16911	10.906	UG/L		98
46) METHYLCYCLOHEXANE	5.103	83	15600	10.652	UG/L		95
47) 1,2-DICHLOROPROPANE	5.142	63	16365	10.507	UG/L		94
48) DIBROMOMETHANE	5.253	93	10834	10.870	UG/L		97
49) 1,4-DIOXANE	5.295	88	999	70.569	UG/L	#	73
50) BROMODICHLOROMETHANE	5.424	83	21936	10.992	UG/L		98
51) 2-CHLOROETHYLVINYLETHER	5.741	63	80337	99.974	UG/L		92
52) MIBK	6.037	43	151480	94.930	UG/L	#	90
53) CIS-1,3-DICHLOROPROPENE	5.864	75	24390	9.916	UG/L		96

Data File : W:\DATA\082113\VB233002.D Vial: 2
Acq On : 21 Aug 2013 5:32 am Operator:
Sample : 8260 STD 10 PPB 1307209/BFB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 21 12:20:06 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 14 11:03:47 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

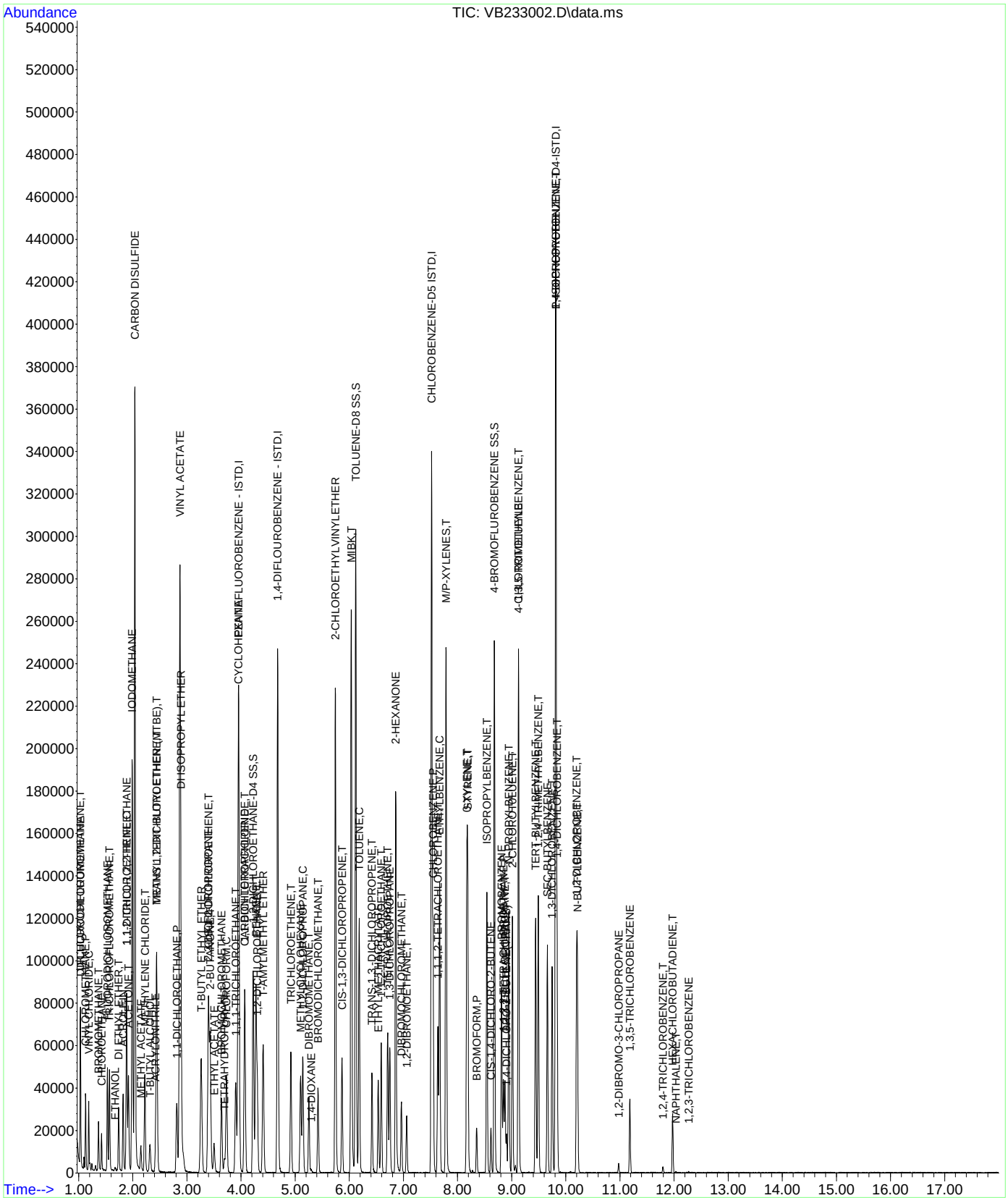
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
54) TOLUENE	6.182	91	68906	10.378 UG/L	98
55) TRANS-1,3,-DICHLOROPRO...	6.419	75	20166	8.980 UG/L	95
56) ETHYL METHACRYLATE	6.533	41	13957	17.916 UG/L	94
57) 1,1,2-TRICHLOROETHANE	6.592	97	14498	10.310 UG/L	99
58) 2-HEXANONE	6.857	43	97310	89.421 UG/L #	91
59) TETRACHLOROETHENE	6.709	164	13359	11.204 UG/L	99
60) 1,3-DICHLOROPROPANE	6.748	76	26987	10.510 UG/L	93
61) DIBROMOCHLOROMETHANE	6.966	129	14625	9.948 UG/L	100
62) 1,2-DIBROMOETHANE	7.060	107	15248	10.274 UG/L #	99
65) CHLOROBENZENE	7.548	112	46115	10.121 UG/L	95
66) 1,1,1,2-TETRACHLOROETHANE	7.635	131	15443	9.965 UG/L	98
67) ETHYLBENZENE	7.668	91	79688	10.342 UG/L	97
68) M/P-XYLENES	7.788	91	129452	21.365 UG/L	93
69) 0-XYLENE	8.170	91	67114	10.600 UG/L	96
70) STYRENE	8.187	104	49087	10.611 UG/L	96
71) BROMOFORM	8.354	173	8648	9.952 UG/L #	97
72) ISOPROPYLBENZENE	8.541	105	72679	10.535 UG/L	96
73) CIS-1,4-DICHLORO-2-BUTENE	8.617	53	4413	10.809 UG/L #	69
74) 1,1,2,2-TETRACHLOROETHANE	8.848	83	17027	8.858 UG/L	99
75) 1,4-DICHLORO-2-BUTENE(...	8.904	53	4247	9.710 UG/L #	70
76) BROMOBENZENE	8.812	77	33031	10.289 UG/L	96
77) 1,2,3-TRICHLOROPROPANE	8.876	110	5563	8.652 UG/L #	63
78) N-PROPYLBENZENE	8.948	91	80506	10.551 UG/L	95
79) 2-CHLOROT0LUENE	9.012	91	56888	10.314 UG/L	96
80) 1,3,5-TRIMETHYLBENZENE	9.127	105	63888	10.950 UG/L	96
81) 4-CHLOROTOLUENE	9.124	91	66405	10.764 UG/L	96
83) TERT-BUTYLBENZENE	9.442	119	47174	10.838 UG/L	95
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	64926	11.623 UG/L	95
85) SEC-BUTYLBENZENE	9.659	105	62604	11.134 UG/L	97
86) 1,3-DICHLOROBENZENE	9.746	146	33783	10.402 UG/L	99
87) P-ISOPROPYLTOLUENE	9.813	119	54500	11.484 UG/L	98
88) 1,4-DICHLOROBENZENE	9.838	146	33216	10.074 UG/L	98
89) N-BUTYLBENZENE	10.214	91	35809	8.947 UG/L	96
90) 1,2-DICHLOROBENZENE	10.200	146	31667	10.092 UG/L	99
91) 1,2-DIBROMO-3-CHLOROPR...	10.981	75	1084	8.988 UG/L	87
92) 1,3,5-TRICHLOROBENZENE	11.185	180	10297	7.248 UG/L	97
93) 1,2,4-TRICHLOROBENZENE	11.793	180	1109	9.124 UG/L #	78
94) HEXACHLOROBUTADIENE	11.974	225	5520	8.454 UG/L	98
95) NAPHTHALENE	12.035	128	490m	10.280 UG/L	
96) 1,2,3-TRICHLOROBENZENE	12.272	180	195	9.323 UG/L #	60

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

Quantitation Report (QT Reviewed)

Data File : W:\DATA\082113\VB233002.D Vial: 2
Acq On : 21 Aug 2013 5:32 am Operator:
Sample : 8260 STD 10 PPB 1307209/BFB Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 21 12:20:06 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 14 11:03:47 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



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8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Sequence:	S004587	Instrument:	GCMSVOA2
		Calibration:	1300088

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S004587-CCV1)			*Lab File ID: VB227029.D*			*Analyzed: 08/15/13 22:25*			
Pentafluorobenzene	130245	3.957	141918	3.957	92	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	188837	4.676	209024	4.679	90	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	103104	7.521	111383	7.521	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	94704	9.816	104059	9.816	91	50 - 200	0.0000	+/-0.50	
LCS (B078920-BS1)			*Lab File ID: VB227031.D*			*Analyzed: 08/15/13 23:26*			
Pentafluorobenzene	132264	3.954	130245	3.957	102	50 - 200	-0.0030	+/-0.50	
1,4-Difluorobenzene	192327	4.679	188837	4.676	102	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	103431	7.521	103104	7.521	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	95434	9.818	94704	9.816	101	50 - 200	0.0020	+/-0.50	
LCS Dup (B078920-BSD1)			*Lab File ID: VB227032.D*			*Analyzed: 08/15/13 23:56*			
Pentafluorobenzene	133572	3.957	130245	3.957	103	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	194066	4.676	188837	4.676	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	105462	7.518	103104	7.521	102	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	95957	9.816	94704	9.816	101	50 - 200	0.0000	+/-0.50	
Blank (B078920-BLK1)			*Lab File ID: VB227034.D*			*Analyzed: 08/16/13 00:58*			
Pentafluorobenzene	131692	3.954	130245	3.957	101	50 - 200	-0.0030	+/-0.50	
1,4-Difluorobenzene	192941	4.676	188837	4.676	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	103579	7.521	103104	7.521	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	74352	9.816	94704	9.816	79	50 - 200	0.0000	+/-0.50	
TB-01_08-13-13 (13H0490-05)			*Lab File ID: VB227035.D*			*Analyzed: 08/16/13 01:28*			
Pentafluorobenzene	131644	3.954	130245	3.957	101	50 - 200	-0.0030	+/-0.50	
1,4-Difluorobenzene	191517	4.679	188837	4.676	101	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	104211	7.521	103104	7.521	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	74973	9.816	94704	9.816	79	50 - 200	0.0000	+/-0.50	

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8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Sequence:	S004587	Instrument:	GCMSVOA2
		Calibration:	1300088

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
FB-01_08-13-13 (13H0490-06)			*Lab File ID: VB227036.D*			*Analyzed: 08/16/13 01:59*			
Pentafluorobenzene	127698	3.957	130245	3.957	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	184513	4.676	188837	4.676	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	98312	7.521	103104	7.521	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	69601	9.816	94704	9.816	73	50 - 200	0.0000	+/-0.50	

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8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Sequence:	S004588	Instrument:	GCMSVOA2
		Calibration:	1300088

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S004588-CCV1)			*Lab File ID: VB231003.D*			*Analyzed: 08/19/13 09:48*			
Pentafluorobenzene	124081	3.957	141918	3.957	87	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	179682	4.676	209024	4.679	86	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	99895	7.521	111383	7.521	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	91051	9.816	104059	9.816	87	50 - 200	0.0000	+/-0.50	
LCS (B078839-BS1)			*Lab File ID: VB231005.D*			*Analyzed: 08/19/13 10:50*			
Pentafluorobenzene	126914	3.957	124081	3.957	102	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	182993	4.676	179682	4.676	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	100608	7.521	99895	7.521	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	91808	9.816	91051	9.816	101	50 - 200	0.0000	+/-0.50	
LCS Dup (B078839-BSD1)			*Lab File ID: VB231006.D*			*Analyzed: 08/19/13 11:20*			
Pentafluorobenzene	124430	3.957	124081	3.957	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	181695	4.679	179682	4.676	101	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	99064	7.521	99895	7.521	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	92181	9.816	91051	9.816	101	50 - 200	0.0000	+/-0.50	
Blank (B078839-BLK1)			*Lab File ID: VB231008.D*			*Analyzed: 08/19/13 12:22*			
Pentafluorobenzene	123622	3.954	124081	3.957	100	50 - 200	-0.0030	+/-0.50	
1,4-Difluorobenzene	181647	4.676	179682	4.676	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	98015	7.521	99895	7.521	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	75095	9.816	91051	9.816	82	50 - 200	0.0000	+/-0.50	
MW-01_08-13-13 (13H0490-01)			*Lab File ID: VB231018.D*			*Analyzed: 08/19/13 17:30*			
Pentafluorobenzene	117605	3.957	124081	3.957	95	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	172059	4.679	179682	4.676	96	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	94381	7.521	99895	7.521	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	71510	9.816	91051	9.816	79	50 - 200	0.0000	+/-0.50	

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8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Sequence:	S004588	Instrument:	GCMSVOA2
		Calibration:	1300088

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-02_08-13-13 (13H0490-02)			*Lab File ID: VB231019.D*			*Analyzed: 08/19/13 18:01*			
Pentafluorobenzene	116831	3.957	124081	3.957	94	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	170992	4.676	179682	4.676	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	92793	7.521	99895	7.521	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	68351	9.816	91051	9.816	75	50 - 200	0.0000	+/-0.50	
MW-08_08-13-13 (13H0490-03)			*Lab File ID: VB231020.D*			*Analyzed: 08/19/13 18:32*			
Pentafluorobenzene	115369	3.957	124081	3.957	93	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	166463	4.676	179682	4.676	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	91862	7.521	99895	7.521	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	68825	9.816	91051	9.816	76	50 - 200	0.0000	+/-0.50	
MW-03_08-13-13 (13H0490-04)			*Lab File ID: VB231021.D*			*Analyzed: 08/19/13 19:03*			
Pentafluorobenzene	117181	3.957	124081	3.957	94	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	174250	4.679	179682	4.676	97	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	93354	7.518	99895	7.521	93	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	68003	9.816	91051	9.816	75	50 - 200	0.0000	+/-0.50	
MW-07_08-13-13 (13H0490-07)			*Lab File ID: VB231022.D*			*Analyzed: 08/19/13 19:33*			
Pentafluorobenzene	117161	3.957	124081	3.957	94	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	167767	4.676	179682	4.676	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	91520	7.521	99895	7.521	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	65738	9.816	91051	9.816	72	50 - 200	0.0000	+/-0.50	
MW-05_08-13-13 (13H0490-08)			*Lab File ID: VB231023.D*			*Analyzed: 08/19/13 20:04*			
Pentafluorobenzene	113991	3.957	124081	3.957	92	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	167446	4.676	179682	4.676	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	92005	7.518	99895	7.521	92	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	65574	9.818	91051	9.816	72	50 - 200	0.0020	+/-0.50	

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8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Sequence:	S004589	Instrument:	GCMSVOA2
		Calibration:	1300088

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S004589-CCV1)			*Lab File ID: VB233002.D*			*Analyzed: 08/21/13 05:32*			
Pentafluorobenzene	109575	3.954	141918	3.957	77	50 - 200	-0.0030	+/-0.50	
1,4-Difluorobenzene	158799	4.676	209024	4.679	76	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	89206	7.521	111383	7.521	80	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	78489	9.816	104059	9.816	75	50 - 200	0.0000	+/-0.50	
LCS (B079026-BS1)			*Lab File ID: VB233004.D*			*Analyzed: 08/21/13 06:34*			
Pentafluorobenzene	110270	3.957	109575	3.954	101	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	159132	4.676	158799	4.676	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	89225	7.518	89206	7.521	100	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	78518	9.816	78489	9.816	100	50 - 200	0.0000	+/-0.50	
LCS Dup (B079026-BSD1)			*Lab File ID: VB233005.D*			*Analyzed: 08/21/13 07:04*			
Pentafluorobenzene	113102	3.954	109575	3.954	103	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	162394	4.679	158799	4.676	102	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	91248	7.518	89206	7.521	102	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	80331	9.816	78489	9.816	102	50 - 200	0.0000	+/-0.50	
Blank (B079026-BLK1)			*Lab File ID: VB233007.D*			*Analyzed: 08/21/13 08:05*			
Pentafluorobenzene	109470	3.954	109575	3.954	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	158029	4.676	158799	4.676	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	88055	7.518	89206	7.521	99	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	57035	9.816	78489	9.816	73	50 - 200	0.0000	+/-0.50	
TB-02_08-13-13 (13H0490-09)			*Lab File ID: VB233018.D*			*Analyzed: 08/21/13 13:44*			
Pentafluorobenzene	117864	3.957	109575	3.954	108	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	172339	4.679	158799	4.676	109	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	93278	7.521	89206	7.521	105	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	72680	9.819	78489	9.816	93	50 - 200	0.0030	+/-0.50	

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VOLATILES QC DATA

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1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078839-BLK1	File ID:	VB231008.D
Sampled:		Prepared:	08/15/13 08:23	Analyzed:	08/19/13 12:22
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	R-05
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	V-16
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078839-BLK1	File ID:	VB231008.D
Sampled:		Prepared:	08/15/13 08:23	Analyzed:	08/19/13 12:22
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	V-16
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078839-BLK1	File ID:	VB231008.D
Sampled:		Prepared:	08/15/13 08:23	Analyzed:	08/19/13 12:22
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	
95-47-6	o-Xylene		0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231008.D Vial: 8
Acq On : 19 Aug 2013 12:22 pm Operator:
Sample : B0-BLK1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 20 15:19:31 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Aug 20 15:07:45 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	3.954	168	123622	30.00	UG/L	0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	181647	30.00	UG/L	0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	98015	30.00	UG/L	0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	75095	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.225	65	71183	25.76	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.04%			
43) TOLUENE-D8 SS	6.118	98	185003	24.82	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.28%			
64) 4-BROMOFLUROBENZENE SS	8.681	95	72909	23.80	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.20%			
Target Compounds						Qvalue
17) IODOMETHANE	2.005	142	245	Below Cal	#	30
21) METHYLENE CHLORIDE	2.228	49	576	0.288	UG/L #	17

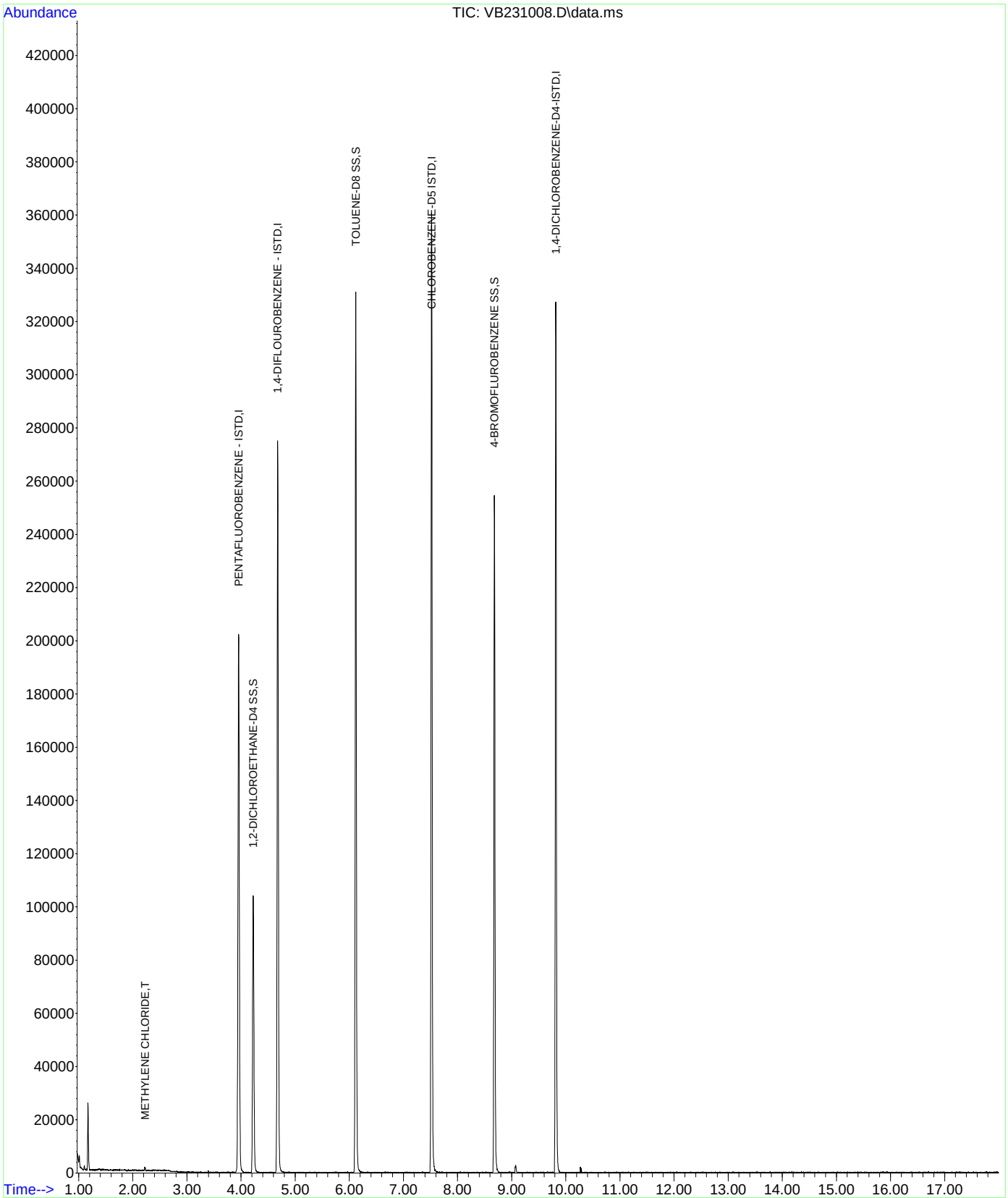
(#) = qualifier out of range (m) = manual integration (+) = signals summed

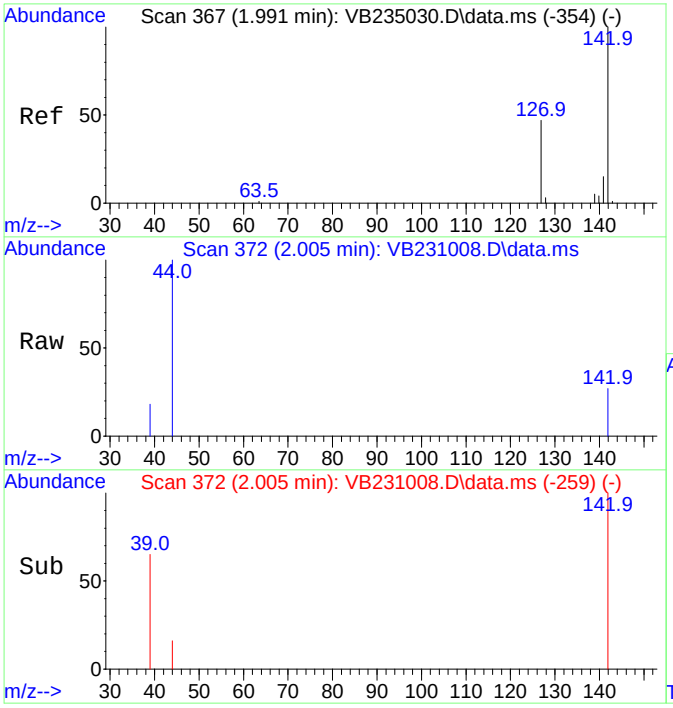
Data File : W:\DATA\081913\VB231008.D
Acq On : 19 Aug 2013 12:22 pm
Sample : B0-BLK1
InstName : GCMSVOA2
Misc :
Quant Time: Aug 20 15:19:31 2013

Vial: 8
Operator:
Inst : GCMSVOA2

Multiplr: 1.00

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Aug 20 15:07:45 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

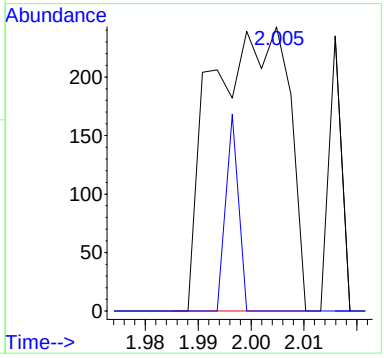


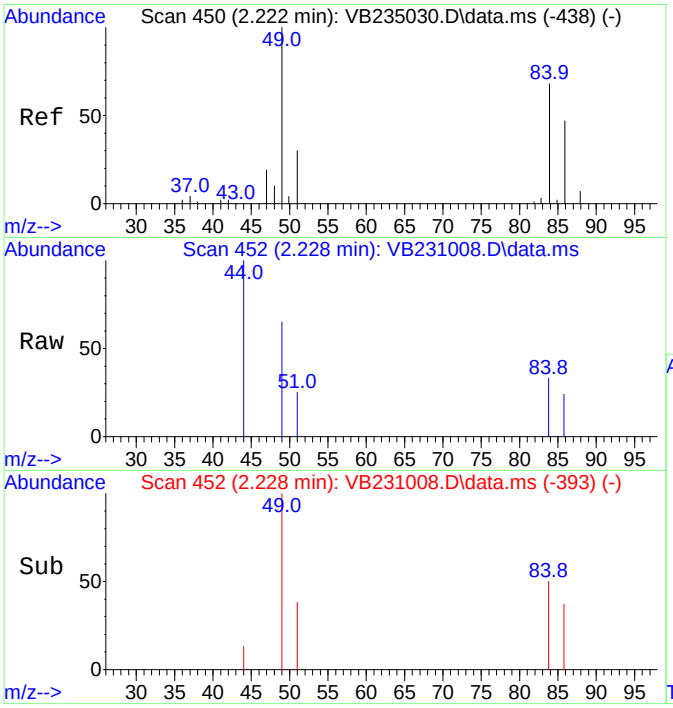


#17
IODOMETHANE
Concen: Below Cal
RT: 2.005 min Scan# 372
Delta R.T. 0.015 min
Lab File: VB231008.D
Acq: 19 Aug 2013 12:22 pm

Tgt Ion:142 Resp: 245

Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.1	55.7#

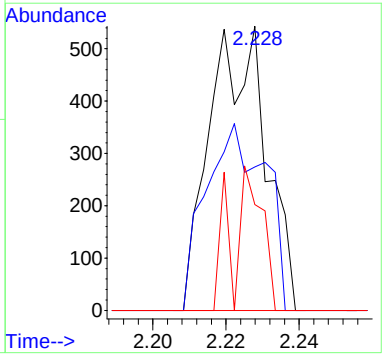




#21
METHYLENE CHLORIDE
Concen: 0.29 UG/L
RT: 2.228 min Scan# 452
Delta R.T. 0.006 min
Lab File: VB231008.D
Acq: 19 Aug 2013 12:22 pm

Tgt Ion: 49 Resp: 576

Ion	Ratio	Lower	Upper
49	100		
84	0.0	62.3	93.5#
86	0.0	40.4	60.6#



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1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078839-BS1	File ID:	VB231005.D
Sampled:		Prepared:	08/15/13 08:23	Analyzed:	08/19/13 10:50
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	102	4.7	50	
107-13-1	Acrylonitrile	8.96	0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)	11.4	0.091	0.50	
71-43-2	Benzene	9.81	0.079	1.0	
108-86-1	Bromobenzene	10.2	0.044	1.0	
74-97-5	Bromochloromethane	10.6	0.22	1.0	
75-27-4	Bromodichloromethane	10.7	0.088	1.0	
75-25-2	Bromoform	10.3	0.21	1.0	
74-83-9	Bromomethane	3.31	0.94	2.0	.-07A, R-05, V-2(
78-93-3	2-Butanone (MEK)	101	2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)	90.9	2.2	20	V-16
104-51-8	n-Butylbenzene	9.46	0.054	5.0	
135-98-8	sec-Butylbenzene	11.1	0.084	1.0	
98-06-6	tert-Butylbenzene	10.7	0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)	11.7	0.075	0.50	
75-15-0	Carbon Disulfide	9.76	1.0	4.0	V-20
56-23-5	Carbon Tetrachloride	10.3	0.10	5.0	
108-90-7	Chlorobenzene	10.1	0.12	1.0	
124-48-1	Chlorodibromomethane	9.80	0.054	0.50	
75-00-3	Chloroethane	10.8	0.16	2.0	
67-66-3	Chloroform	10.9	0.14	2.0	
74-87-3	Chloromethane	7.33	0.32	2.0	
95-49-8	2-Chlorotoluene	10.2	0.070	1.0	
106-43-4	4-Chlorotoluene	10.8	0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	10.6	0.34	5.0	
106-93-4	1,2-Dibromoethane (EDB)	10.8	0.089	0.50	

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1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078839-BS1	File ID:	VB231005.D
Sampled:		Prepared:	08/15/13 08:23	Analyzed:	08/19/13 10:50
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
74-95-3	Dibromomethane	10.9	0.070	1.0	
95-50-1	1,2-Dichlorobenzene	10.6	0.076	1.0	
541-73-1	1,3-Dichlorobenzene	10.3	0.079	1.0	
106-46-7	1,4-Dichlorobenzene	10.4	0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene	10.0	0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	7.62	0.12	2.0	
75-34-3	1,1-Dichloroethane	10.9	0.16	1.0	
107-06-2	1,2-Dichloroethane	11.1	0.19	1.0	
75-35-4	1,1-Dichloroethylene	11.1	0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.9	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene	10.2	0.15	1.0	
78-87-5	1,2-Dichloropropane	11.0	0.11	1.0	
142-28-9	1,3-Dichloropropane	11.0	0.099	0.50	
594-20-7	2,2-Dichloropropane	12.5	0.072	1.0	V-20
563-58-6	1,1-Dichloropropene	10.7	0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene	9.92	0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene	10.4	0.056	5.0	
60-29-7	Diethyl Ether	10.3	0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)	11.7	0.18	0.50	
123-91-1	1,4-Dioxane	83.6	26	50	V-16
100-41-4	Ethylbenzene	10.4	0.092	1.0	
87-68-3	Hexachlorobutadiene	10.8	0.17	1.0	
591-78-6	2-Hexanone (MBK)	105	1.5	10	
98-82-8	Isopropylbenzene (Cumene)	10.6	0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	11.4	0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	11.5	0.090	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078839-BS1	File ID:	VB231005.D
Sampled:		Prepared:	08/15/13 08:23	Analyzed:	08/19/13 10:50
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
75-09-2	Methylene Chloride	11.4	3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	105	1.5	10	
91-20-3	Naphthalene	11.2	0.12	5.0	
103-65-1	n-Propylbenzene	10.9	0.094	1.0	
100-42-5	Styrene	10.9	0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane	10.3	0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	10.4	0.12	0.50	
127-18-4	Tetrachloroethylene	10.9	0.080	1.0	
109-99-9	Tetrahydrofuran	10.7	1.1	10	
108-88-3	Toluene	10.2	0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene	10.6	0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene	10.4	0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene	9.12	0.14	1.0	
71-55-6	1,1,1-Trichloroethane	11.0	0.094	1.0	
79-00-5	1,1,2-Trichloroethane	10.6	0.12	1.0	
79-01-6	Trichloroethylene	10.5	0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	11.4	0.15	2.0	
96-18-4	1,2,3-Trichloropropane	10.4	0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	12.2	0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene	11.0	0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene	10.7	0.10	1.0	
75-01-4	Vinyl Chloride	8.58	0.13	2.0	
108383/106423	m+p Xylene	21.3	0.18	2.0	
95-47-6	o-Xylene	10.6	0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231005.D Vial: 5
Acq On : 19 Aug 2013 10:50 am Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 20 15:16:21 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Aug 20 15:07:45 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	126914	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	182993	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	100608	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	91808	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	72290	25.48	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.92%				
43) TOLUENE-D8 SS	6.121	98	188019	25.04	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.16%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	77326	24.59	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.36%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	16539	7.620	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.034	51	23337	8.339	UG/L		98
5) CHLOROMETHANE	1.129	50	16133	7.330	UG/L		99
6) VINYL CHLORIDE	1.185	62	15879	8.580	UG/L		96
7) BROMOMETHANE	1.369	94	4629	3.306	UG/L		100
8) CHLOROETHANE	1.425	64	9414	10.845	UG/L		100
9) FLUORODICHLOROMETHANE	1.531	67	30851	10.529	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.570	101	29536	11.414	UG/L		99
12) DI ETHYL ETHER	1.740	59	13818	10.344	UG/L		96
13) ACROLEIN	1.821	56	15821	65.723	UG/L	#	100
14) ACETONE	1.921	43	59955	101.904	UG/L		96
15) 1,1-DICHLOROETHENE	1.888	61	25225	11.083	UG/L		96
16) 1,1,2-TRICL-1,2,2-TRIF...	1.885	101	14059	12.206	UG/L		98
17) IODOMETHANE	1.991	142	20865	8.075	UG/L		99
18) METHYL ACETATE	2.150	43	14041	9.685	UG/L		94
19) T-BUTYL ALCOHOL	2.309	59	14626	90.895	UG/L		99
20) ACRYLONITRILE	2.417	53	6351	8.959	UG/L		97
21) METHYLENE CHLORIDE	2.222	49	23298	11.364	UG/L		95
22) CARBON DISULFIDE	2.038	76	33017	9.760	UG/L	#	92
23) METHYL TERT-BUTYL ETHE...	2.442	73	54873	11.481	UG/L		97
24) TRANS 1,2-DICHLOROETHENE	2.440	61	23419	10.146	UG/L		97
25) 1,1-DICHLOROETHANE	2.813	63	35319	10.896	UG/L		100
26) VINYL ACETATE	2.869	43	442040	104.601	UG/L	#	91
27) DI ISOPROPYL ETHER	2.889	45	65612	11.732	UG/L		92
28) 2-BUTANONE	3.427	43	92971	100.694	UG/L		95
29) T-BUTYL ETHYL ETHER	3.262	59	61913	11.738	UG/L		98
30) CIS-1,2-DICHLOROETHENE	3.399	61	32077	10.876	UG/L		96
31) 2,2-DICHLOROPROPANE	3.399	77	28077	12.543	UG/L		99
32) ETHYL ACETATE	3.502	43	18789	8.408	UG/L		97
33) BROMOCHLOROMETHANE	3.636	128	9010	10.636	UG/L		93
34) TETRAHYDROFURAN	3.689	42	5728	10.736	UG/L	#	64
35) CHLOROFORM	3.731	83	36711	10.885	UG/L		99
36) 1,1,1-TRICHLOROETHANE	3.901	97	30776	10.974	UG/L		99
37) CYCLOHEXANE	3.951	56	28031	10.577	UG/L		98
38) CARBON TETRACHLORIDE	4.063	117	24170	10.260	UG/L		99
39) 1,1-DICHLOROPROPENE	4.068	75	26391	10.666	UG/L		98
40) BENZENE	4.277	78	71014	9.809	UG/L		98
41) T-AMYLMETHYL ETHER	4.411	73	51553	11.425	UG/L		95
44) 1,2-DICHLOROETHANE	4.302	62	34008	11.056	UG/L		100
45) TRICHLOROETHENE	4.922	95	18753	10.495	UG/L		98
46) METHYLCYCLOHEXANE	5.100	83	19965	11.830	UG/L		96
47) 1,2-DICHLOROPROPANE	5.142	63	19675	10.962	UG/L		96
48) DIBROMOMETHANE	5.253	93	12558	10.934	UG/L		99
49) 1,4-DIOXANE	5.290	88	1364	83.614	UG/L	#	67
50) BROMODICHLOROMETHANE	5.424	83	24694	10.738	UG/L		99
52) MIBK	6.037	43	192639	104.762	UG/L	#	91
53) CIS-1,3-DICHLOROPROPENE	5.864	75	28131	9.925	UG/L		97
54) TOLUENE	6.185	91	77829	10.172	UG/L		97
55) TRANS-1,3,-DICHLOROPRO...	6.422	75	26807	10.360	UG/L		97

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231005.D Vial: 5
Acq On : 19 Aug 2013 10:50 am Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 20 15:16:21 2013

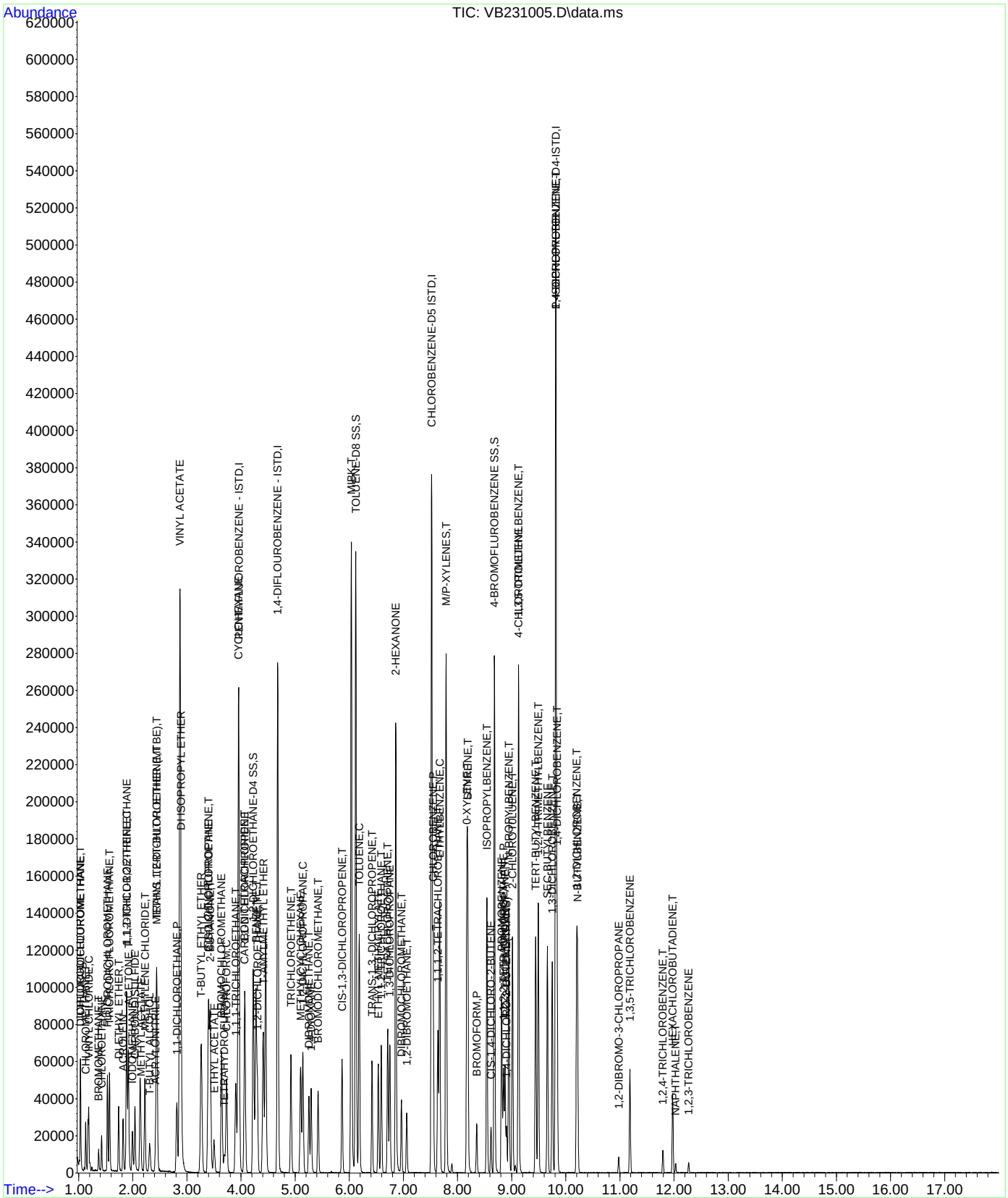
Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Aug 20 15:07:45 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56) ETHYL METHACRYLATE	6.533	41	18573	20.690	UG/L		98
57) 1,1,2-TRICHLOROETHANE	6.592	97	17241	10.639	UG/L		99
58) 2-HEXANONE	6.857	43	131759	105.069	UG/L	#	92
59) TETRACHLOROETHENE	6.709	164	14967	10.893	UG/L		97
60) 1,3-DICHLOROPROPANE	6.748	76	32503	10.985	UG/L		98
61) DIBROMOCHLOROMETHANE	6.966	129	16547	9.804	UG/L		98
62) 1,2-DIBROMOETHANE	7.060	107	18381	10.748	UG/L		100
65) CHLOROBENZENE	7.548	112	51936	10.106	UG/L		96
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	17960	10.276	UG/L		100
67) ETHYLBENZENE	7.671	91	90624	10.429	UG/L		96
68) M/P-XYLENES	7.788	91	145442	21.284	UG/L		94
69) 0-XYLENE	8.170	91	76064	10.652	UG/L		97
70) STYRENE	8.187	104	56641	10.856	UG/L		99
71) BROMOFORM	8.354	173	10288	10.268	UG/L		99
72) ISOPROPYLBENZENE	8.541	105	82523	10.606	UG/L		97
73) CIS-1,4-DICHLORO-2-BUTENE	8.617	53	5257	11.113	UG/L	#	72
74) 1,1,2,2-TETRACHLOROETHANE	8.848	83	22547	10.401	UG/L		99
75) 1,4-DICHLORO-2-BUTENE(...	8.904	53	5046	10.001	UG/L	#	78
76) BROMOBENZENE	8.812	77	36739	10.148	UG/L		98
77) 1,2,3-TRICHLOROPROPANE	8.876	110	7502	10.346	UG/L	#	67
78) N-PROPYLBENZENE	8.948	91	93506	10.866	UG/L		96
79) 2-CHLOROT0LUENE	9.012	91	63528	10.213	UG/L		96
80) 1,3,5-TRIMETHYLBENZENE	9.127	105	70573	10.725	UG/L		97
81) 4-CHLOROTOLUENE	9.124	91	75225	10.812	UG/L		96
83) TERT-BUTYLBENZENE	9.445	119	54327	10.671	UG/L		98
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	71536	10.948	UG/L		97
85) SEC-BUTYLBENZENE	9.659	105	72931	11.089	UG/L		98
86) 1,3-DICHLOROBENZENE	9.749	146	39218	10.323	UG/L		100
87) P-ISOPROPYLTOLUENE	9.813	119	63131	11.373	UG/L		99
88) 1,4-DICHLOROBENZENE	9.838	146	40054	10.386	UG/L		98
89) N-BUTYLBENZENE	10.217	91	44281	9.459	UG/L		97
90) 1,2-DICHLOROBENZENE	10.200	146	38750	10.558	UG/L		98
91) 1,2-DIBROMO-3-CHLOROPR...	10.978	75	1968	10.651	UG/L		90
92) 1,3,5-TRICHLOROBENZENE	11.185	180	16513	9.115	UG/L		99
93) 1,2,4-TRICHLOROBENZENE	11.790	180	3959	10.421	UG/L		98
94) HEXACHLOROBUTADIENE	11.974	225	8644	10.807	UG/L		98
95) NAPHTHALENE	12.027	128	3922	11.223	UG/L	#	69
96) 1,2,3-TRICHLOROBENZENE	12.270	180	1885	10.569	UG/L		94

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

Data File : W:\DATA\081913\VB231005.D Vial: 5
Acq On : 19 Aug 2013 10:50 am Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 20 15:16:21 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Aug 20 15:07:45 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078839-BSD1	File ID:	VB231006.D
Sampled:		Prepared:	08/15/13 08:23	Analyzed:	08/19/13 11:20
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	103	4.7	50	
107-13-1	Acrylonitrile	9.04	0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)	11.6	0.091	0.50	
71-43-2	Benzene	9.86	0.079	1.0	
108-86-1	Bromobenzene	10.4	0.044	1.0	
74-97-5	Bromochloromethane	11.1	0.22	1.0	
75-27-4	Bromodichloromethane	10.8	0.088	1.0	
75-25-2	Bromoform	10.4	0.21	1.0	
74-83-9	Bromomethane	5.67	0.94	2.0	R-05, V-20
78-93-3	2-Butanone (MEK)	99.2	2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)	91.5	2.2	20	V-16
104-51-8	n-Butylbenzene	9.57	0.054	5.0	
135-98-8	sec-Butylbenzene	11.2	0.084	1.0	
98-06-6	tert-Butylbenzene	10.9	0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)	11.7	0.075	0.50	
75-15-0	Carbon Disulfide	9.50	1.0	4.0	V-20
56-23-5	Carbon Tetrachloride	10.2	0.10	5.0	
108-90-7	Chlorobenzene	10.2	0.12	1.0	
124-48-1	Chlorodibromomethane	9.78	0.054	0.50	
75-00-3	Chloroethane	10.9	0.16	2.0	
67-66-3	Chloroform	10.9	0.14	2.0	
74-87-3	Chloromethane	7.45	0.32	2.0	
95-49-8	2-Chlorotoluene	10.8	0.070	1.0	
106-43-4	4-Chlorotoluene	11.1	0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	11.1	0.34	5.0	
106-93-4	1,2-Dibromoethane (EDB)	10.8	0.089	0.50	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078839-BSD1	File ID:	VB231006.D
Sampled:		Prepared:	08/15/13 08:23	Analyzed:	08/19/13 11:20
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
74-95-3	Dibromomethane	11.0	0.070	1.0	
95-50-1	1,2-Dichlorobenzene	10.5	0.076	1.0	
541-73-1	1,3-Dichlorobenzene	10.5	0.079	1.0	
106-46-7	1,4-Dichlorobenzene	10.6	0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene	10.5	0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	7.42	0.12	2.0	
75-34-3	1,1-Dichloroethane	11.0	0.16	1.0	
107-06-2	1,2-Dichloroethane	10.9	0.19	1.0	
75-35-4	1,1-Dichloroethylene	11.2	0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.8	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene	10.3	0.15	1.0	
78-87-5	1,2-Dichloropropane	10.8	0.11	1.0	
142-28-9	1,3-Dichloropropane	11.0	0.099	0.50	
594-20-7	2,2-Dichloropropane	12.4	0.072	1.0	V-20
563-58-6	1,1-Dichloropropene	10.7	0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene	9.87	0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene	10.1	0.056	5.0	
60-29-7	Diethyl Ether	10.5	0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)	11.9	0.18	0.50	
123-91-1	1,4-Dioxane	84.0	26	50	V-16
100-41-4	Ethylbenzene	10.6	0.092	1.0	
87-68-3	Hexachlorobutadiene	11.3	0.17	1.0	
591-78-6	2-Hexanone (MBK)	106	1.5	10	
98-82-8	Isopropylbenzene (Cumene)	11.0	0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	11.4	0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	11.7	0.090	1.0	

con-test® ANALYTICAL LABORATORY
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1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078839-BSD1	File ID:	VB231006.D
Sampled:		Prepared:	08/15/13 08:23	Analyzed:	08/19/13 11:20
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
75-09-2	Methylene Chloride	11.7	3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	106	1.5	10	
91-20-3	Naphthalene	11.4	0.12	5.0	
103-65-1	n-Propylbenzene	11.2	0.094	1.0	
100-42-5	Styrene	11.1	0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane	10.4	0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	10.8	0.12	0.50	
127-18-4	Tetrachloroethylene	11.0	0.080	1.0	
109-99-9	Tetrahydrofuran	10.5	1.1	10	
108-88-3	Toluene	10.2	0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene	10.8	0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene	10.8	0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene	9.38	0.14	1.0	
71-55-6	1,1,1-Trichloroethane	10.9	0.094	1.0	
79-00-5	1,1,2-Trichloroethane	10.8	0.12	1.0	
79-01-6	Trichloroethylene	10.2	0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	11.1	0.15	2.0	
96-18-4	1,2,3-Trichloropropane	10.7	0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	12.2	0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene	11.2	0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene	11.0	0.10	1.0	
75-01-4	Vinyl Chloride	8.18	0.13	2.0	
108383/106423	m+p Xylene	21.4	0.18	2.0	
95-47-6	o-Xylene	10.9	0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231006.D Vial: 6
Acq On : 19 Aug 2013 11:20 am Operator:
Sample : B0-BSD1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 20 15:17:51 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Aug 20 15:07:45 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	124430	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	181695	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	99064	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	92181	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	70610	25.38	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.52%				
43) TOLUENE-D8 SS	6.121	98	185908	24.94	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.76%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	77385	25.00	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	15792	7.421	UG/L		98
4) DIFLUOROCHLOROMETHANE	1.034	51	22866	8.334	UG/L		98
5) CHLOROMETHANE	1.129	50	16086	7.454	UG/L		100
6) VINYL CHLORIDE	1.188	62	14834	8.176	UG/L		99
7) BROMOMETHANE	1.369	94	6070	5.667	UG/L		92
8) CHLOROETHANE	1.422	64	9299	10.927	UG/L		100
9) FLUORODICHLOROMETHANE	1.531	67	30990	10.787	UG/L		98
10) TRICHLOROFLUOROMETHANE	1.570	101	28273	11.144	UG/L		100
12) DI ETHYL ETHER	1.737	59	13770	10.514	UG/L		95
13) ACROLEIN	1.821	56	15348	65.031	UG/L	#	98
14) ACETONE	1.918	43	59522	103.187	UG/L		98
15) 1,1-DICHLOROETHENE	1.887	61	25040	11.221	UG/L		96
16) 1,1,2-TRICL-1,2,2-TRIF...	1.887	101	13742	12.169	UG/L		100
17) IODOMETHANE	1.993	142	16098	5.609	UG/L		95
18) METHYL ACETATE	2.150	43	14412	10.140	UG/L		94
19) T-BUTYL ALCOHOL	2.311	59	14441	91.537	UG/L		99
20) ACRYLONITRILE	2.417	53	6286	9.045	UG/L		98
21) METHYLENE CHLORIDE	2.222	49	23506	11.694	UG/L		94
22) CARBON DISULFIDE	2.038	76	31500	9.497	UG/L	#	94
23) METHYL TERT-BUTYL ETHE...	2.440	73	54652	11.663	UG/L		97
24) TRANS 1,2-DICHLOROETHENE	2.440	61	23335	10.311	UG/L		97
25) 1,1-DICHLOROETHANE	2.816	63	34901	10.982	UG/L		99
26) VINYL ACETATE	2.872	43	436452	105.341	UG/L	#	91
27) DI ISOPROPYL ETHER	2.889	45	65156	11.883	UG/L		92
28) 2-BUTANONE	3.430	43	89781	99.181	UG/L		96
29) T-BUTYL ETHYL ETHER	3.262	59	60281	11.656	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.399	61	31125	10.764	UG/L		97
31) 2,2-DICHLOROPROPANE	3.393	77	27210	12.398	UG/L		99
32) ETHYL ACETATE	3.499	43	19027	8.685	UG/L		95
33) BROMOCHLOROMETHANE	3.642	128	9197	11.074	UG/L		96
34) TETRAHYDROFURAN	3.700	42	5512	10.537	UG/L		95
35) CHLOROFORM	3.734	83	35978	10.880	UG/L		100
36) 1,1,1-TRICHLOROETHANE	3.901	97	29849	10.856	UG/L		99
37) CYCLOHEXANE	3.954	56	27107	10.433	UG/L		98
38) CARBON TETRACHLORIDE	4.063	117	23645	10.238	UG/L		100
39) 1,1-DICHLOROPROPENE	4.068	75	25906	10.679	UG/L		98
40) BENZENE	4.277	78	70010	9.864	UG/L		98
41) T-AMYLMETHYL ETHER	4.408	73	51304	11.597	UG/L		96
44) 1,2-DICHLOROETHANE	4.300	62	33380	10.930	UG/L		98
45) TRICHLOROETHENE	4.924	95	18153	10.232	UG/L		98
46) METHYLCYCLOHEXANE	5.100	83	19399	11.577	UG/L		97
47) 1,2-DICHLOROPROPANE	5.142	63	19239	10.795	UG/L		97
48) DIBROMOMETHANE	5.256	93	12509	10.969	UG/L		98
49) 1,4-DIOXANE	5.292	88	1361	84.026	UG/L	#	71
50) BROMODICHLOROMETHANE	5.423	83	24682	10.810	UG/L		97
52) MIBK	6.037	43	194062	106.290	UG/L	#	90
53) CIS-1,3-DICHLOROPROPENE	5.864	75	27765	9.866	UG/L		98
54) TOLUENE	6.182	91	77292	10.174	UG/L		98
55) TRANS-1,3,-DICHLOROPRO...	6.422	75	25925	10.090	UG/L		96

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231006.D Vial: 6
Acq On : 19 Aug 2013 11:20 am Operator:
Sample : B0-BSD1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 20 15:17:51 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Aug 20 15:07:45 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

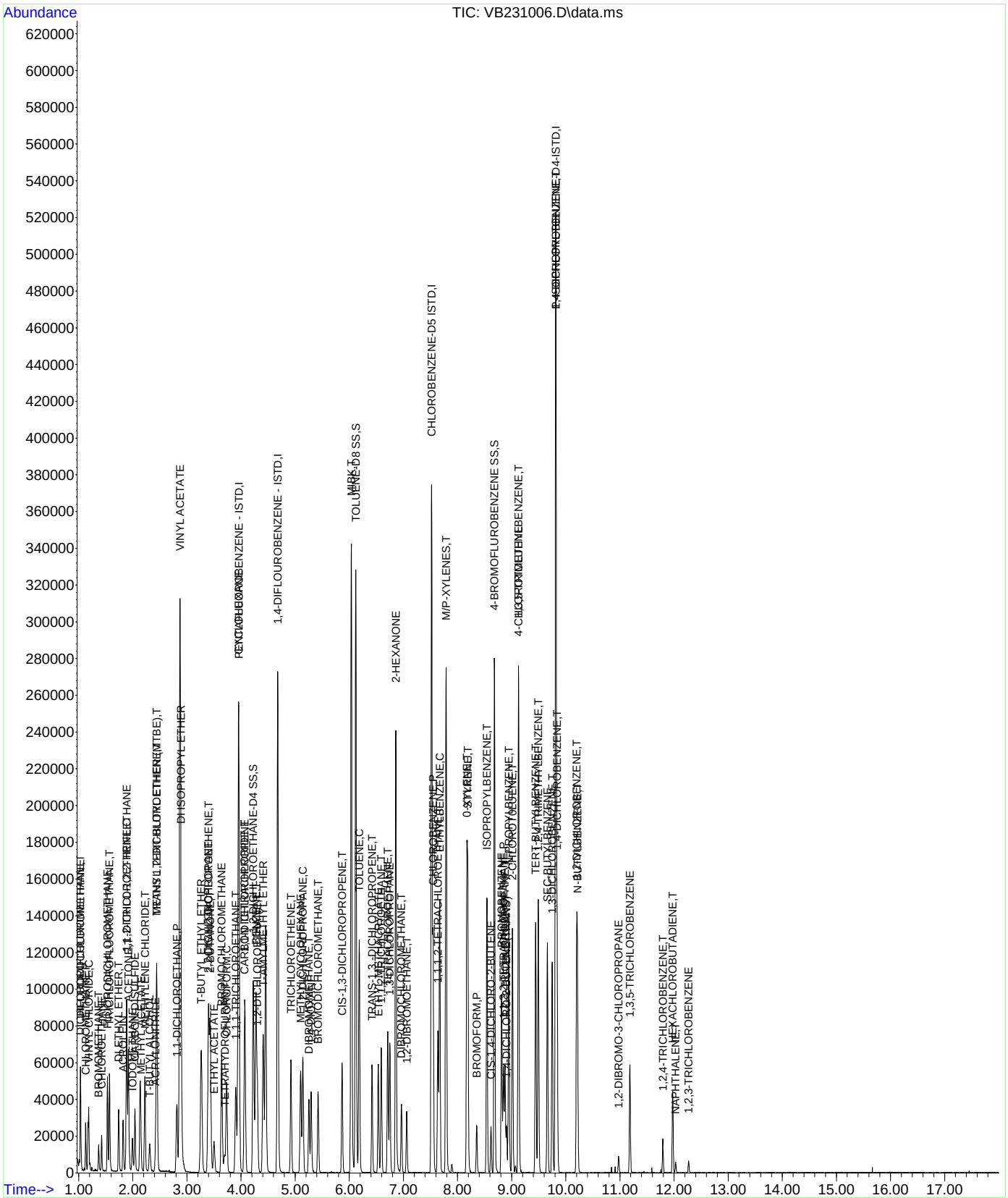
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
56) ETHYL METHACRYLATE	6.536	41	18520	20.778 UG/L	98
57) 1,1,2-TRICHLOROETHANE	6.589	97	17291	10.747 UG/L	99
58) 2-HEXANONE	6.860	43	132142	106.127 UG/L #	93
59) TETRACHLOROETHENE	6.712	164	15009	11.002 UG/L	98
60) 1,3-DICHLOROPROPANE	6.748	76	32231	10.971 UG/L	98
61) DIBROMOCHLOROMETHANE	6.960	129	16386	9.783 UG/L	99
62) 1,2-DIBROMOETHANE	7.060	107	18378	10.823 UG/L	99
65) CHLOROBENZENE	7.548	112	51749	10.227 UG/L	96
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	17959	10.435 UG/L	100
67) ETHYLBENZENE	7.671	91	90348	10.559 UG/L	96
68) M/P-XYLENES	7.788	91	144169	21.426 UG/L	94
69) 0-XYLENE	8.170	91	76488	10.879 UG/L	97
70) STYRENE	8.187	104	57135	11.122 UG/L	98
71) BROMOFORM	8.354	173	10369	10.412 UG/L	98
72) ISOPROPYLBENZENE	8.541	105	83953	10.958 UG/L	97
73) CIS-1,4-DICHLORO-2-BUTENE	8.616	53	5210	11.151 UG/L #	72
74) 1,1,2,2-TETRACHLOROETHANE	8.848	83	22976	10.764 UG/L	100
75) 1,4-DICHLORO-2-BUTENE(...	8.906	53	5437	10.540 UG/L #	73
76) BROMOBENZENE	8.812	77	37070	10.399 UG/L	98
77) 1,2,3-TRICHLOROPROPANE	8.876	110	7665	10.735 UG/L #	65
78) N-PROPYLBENZENE	8.948	91	95209	11.236 UG/L	96
79) 2-CHLOROT0LUENE	9.012	91	65936	10.765 UG/L	96
80) 1,3,5-TRIMETHYLBENZENE	9.127	105	71036	10.963 UG/L	97
81) 4-CHLOROTOLUENE	9.124	91	76276	11.134 UG/L	96
83) TERT-BUTYLBENZENE	9.442	119	55649	10.886 UG/L	100
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	73152	11.150 UG/L	97
85) SEC-BUTYLBENZENE	9.662	105	73626	11.149 UG/L	97
86) 1,3-DICHLOROBENZENE	9.749	146	40138	10.523 UG/L	99
87) P-ISOPROPYLTOLUENE	9.813	119	63708	11.430 UG/L	99
88) 1,4-DICHLOROBENZENE	9.838	146	41149	10.627 UG/L	98
89) N-BUTYLBENZENE	10.214	91	44970	9.567 UG/L	97
90) 1,2-DICHLOROBENZENE	10.200	146	38664	10.492 UG/L	99
91) 1,2-DIBROMO-3-CHLOROPR...	10.973	75	2162	11.091 UG/L	95
92) 1,3,5-TRICHLOROBENZENE	11.185	180	17226	9.384 UG/L	100
93) 1,2,4-TRICHLOROBENZENE	11.793	180	4791	10.817 UG/L	94
94) HEXACHLOROBUTADIENE	11.977	225	9102	11.260 UG/L	98
95) NAPHTHALENE	12.027	128	4397	11.351 UG/L #	86
96) 1,2,3-TRICHLOROBENZENE	12.267	180	2246	10.834 UG/L	99

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

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081913\VB231006.D Vial: 6
Acq On : 19 Aug 2013 11:20 am Operator:
Sample : B0-BSD1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 20 15:17:51 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Aug 20 15:07:45 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



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1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078920-BLK1	File ID:	VB227034.D
Sampled:		Prepared:	08/15/13 08:37	Analyzed:	08/16/13 00:58
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	R-05
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	V-16
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078920-BLK1	File ID:	VB227034.D
Sampled:		Prepared:	08/15/13 08:37	Analyzed:	08/16/13 00:58
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	V-05, V-16
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078920-BLK1	File ID:	VB227034.D
Sampled:		Prepared:	08/15/13 08:37	Analyzed:	08/16/13 00:58
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	
95-47-6	o-Xylene		0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227034.D Vial: 34
Acq On : 16 Aug 2013 12:58 am Operator:
Sample : B0-BLK1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 16 09:57:31 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Fri Aug 16 09:52:42 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	3.954	168	131692	30.00	UG/L	0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	192941	30.00	UG/L	0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	103579	30.00	UG/L	0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	74352	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	74137	25.18	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.72%			
43) TOLUENE-D8 SS	6.118	98	195875	24.74	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.96%			
64) 4-BROMOFLUROBENZENE SS	8.681	95	75812	23.42	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.68%			
Target Compounds						Qvalue
17) IODOMETHANE	1.996	142	358	Below Cal	#	30
21) METHYLENE CHLORIDE	2.219	49	1614	0.759	UG/L	92

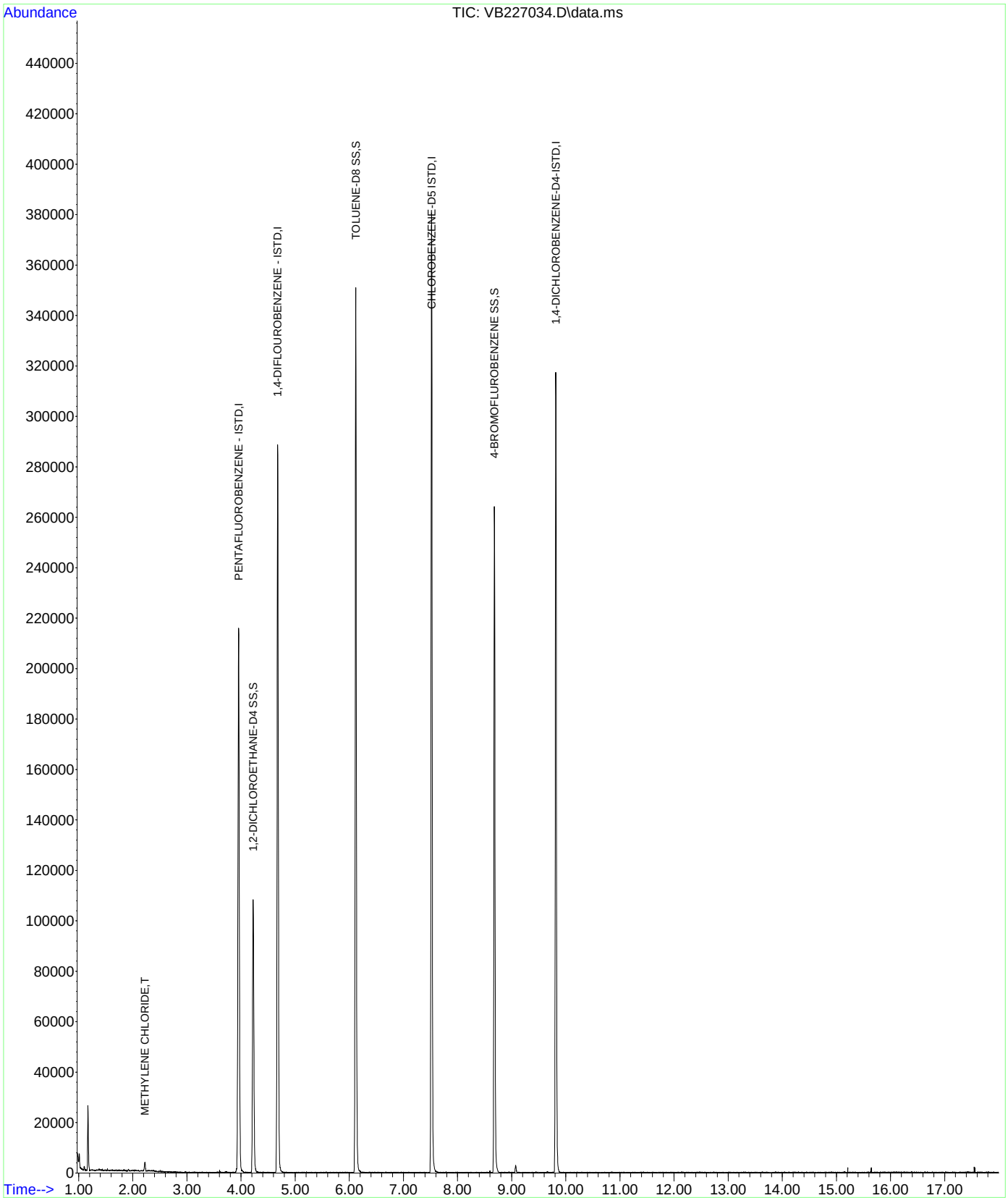
(#) = qualifier out of range (m) = manual integration (+) = signals summed

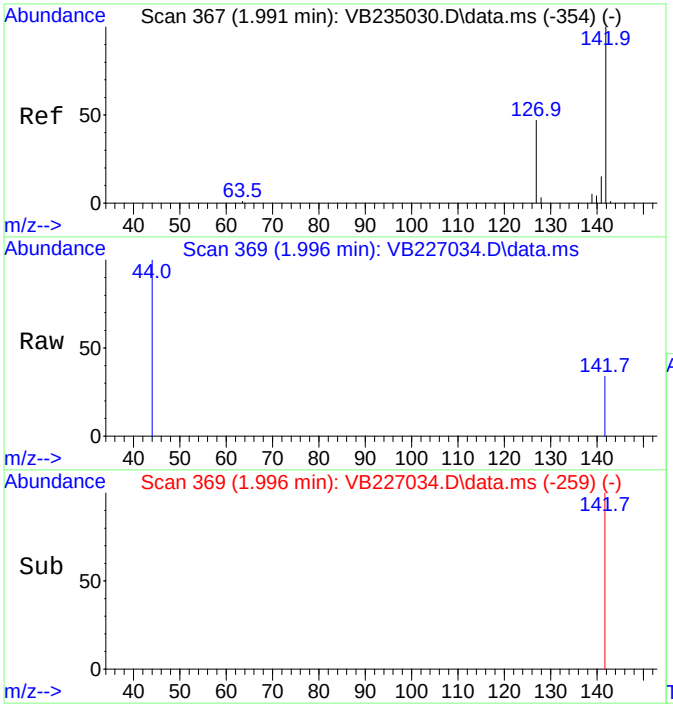
Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227034.D
Acq On : 16 Aug 2013 12:58 am
Sample : B0-BLK1
InstName : GCMSVOA2
Misc :
Quant Time: Aug 16 09:57:31 2013

Vial: 34
Operator:
Inst : GCMSVOA2
Multiplr: 1.00

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Fri Aug 16 09:52:42 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

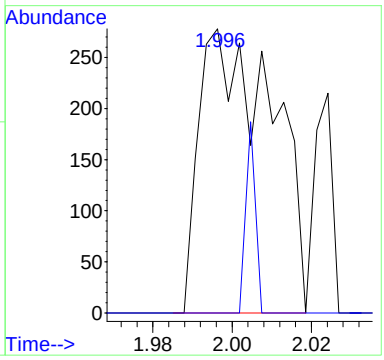


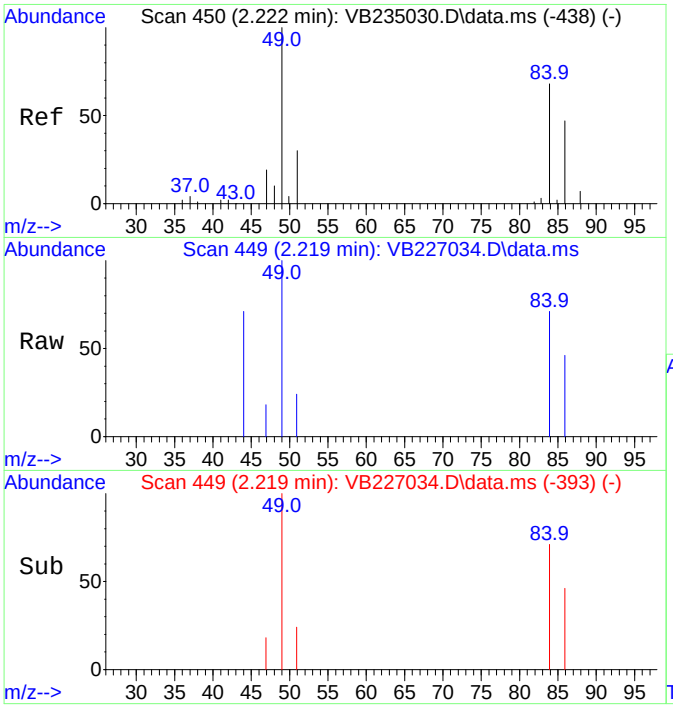


#17
IODOMETHANE
Concen: Below Cal
RT: 1.996 min Scan# 369
Delta R.T. 0.006 min
Lab File: VB227034.D
Acq: 16 Aug 2013 12:58 am

Tgt Ion:142 Resp: 358

Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.1	55.7#

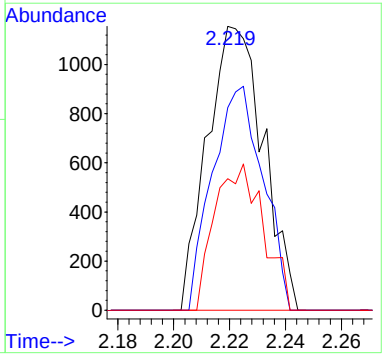




#21
METHYLENE CHLORIDE
Concen: 0.76 UG/L
RT: 2.219 min Scan# 449
Delta R.T. -0.003 min
Lab File: VB227034.D
Acq: 16 Aug 2013 12:58 am

Tgt Ion: 49 Resp: 1614

Ion	Ratio	Lower	Upper
49	100		
84	71.1	62.3	93.5
86	44.5	40.4	60.6



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1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078920-BS1	File ID:	VB227031.D
Sampled:		Prepared:	08/15/13 08:37	Analyzed:	08/15/13 23:26
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	102	4.7	50	
107-13-1	Acrylonitrile	8.87	0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)	10.7	0.091	0.50	
71-43-2	Benzene	9.96	0.079	1.0	
108-86-1	Bromobenzene	10.4	0.044	1.0	
74-97-5	Bromochloromethane	10.8	0.22	1.0	
75-27-4	Bromodichloromethane	10.1	0.088	1.0	
75-25-2	Bromoform	9.70	0.21	1.0	
74-83-9	Bromomethane	4.19	0.94	2.0	R-05, V-20
78-93-3	2-Butanone (MEK)	98.8	2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)	91.0	2.2	20	V-16
104-51-8	n-Butylbenzene	9.13	0.054	5.0	
135-98-8	sec-Butylbenzene	10.8	0.084	1.0	
98-06-6	tert-Butylbenzene	10.5	0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)	11.0	0.075	0.50	
75-15-0	Carbon Disulfide	10.8	1.0	4.0	V-20
56-23-5	Carbon Tetrachloride	9.23	0.10	5.0	
108-90-7	Chlorobenzene	10.3	0.12	1.0	
124-48-1	Chlorodibromomethane	9.11	0.054	0.50	
75-00-3	Chloroethane	11.5	0.16	2.0	
67-66-3	Chloroform	10.7	0.14	2.0	
74-87-3	Chloromethane	8.15	0.32	2.0	
95-49-8	2-Chlorotoluene	10.3	0.070	1.0	
106-43-4	4-Chlorotoluene	10.8	0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	10.5	0.34	5.0	
106-93-4	1,2-Dibromoethane (EDB)	10.8	0.089	0.50	

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1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078920-BS1	File ID:	VB227031.D
Sampled:		Prepared:	08/15/13 08:37	Analyzed:	08/15/13 23:26
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
74-95-3	Dibromomethane	10.6	0.070	1.0	
95-50-1	1,2-Dichlorobenzene	10.3	0.076	1.0	
541-73-1	1,3-Dichlorobenzene	10.4	0.079	1.0	
106-46-7	1,4-Dichlorobenzene	10.5	0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene	8.91	0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	7.88	0.12	2.0	
75-34-3	1,1-Dichloroethane	10.7	0.16	1.0	
107-06-2	1,2-Dichloroethane	10.8	0.19	1.0	
75-35-4	1,1-Dichloroethylene	11.3	0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.4	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene	10.4	0.15	1.0	
78-87-5	1,2-Dichloropropane	10.6	0.11	1.0	
142-28-9	1,3-Dichloropropane	10.8	0.099	0.50	
594-20-7	2,2-Dichloropropane	8.87	0.072	1.0	
563-58-6	1,1-Dichloropropene	10.7	0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene	8.89	0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene	8.79	0.056	5.0	
60-29-7	Diethyl Ether	10.3	0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)	11.5	0.18	0.50	
123-91-1	1,4-Dioxane	93.7	26	50	V-05, V-16
100-41-4	Ethylbenzene	10.5	0.092	1.0	
87-68-3	Hexachlorobutadiene	10.5	0.17	1.0	
591-78-6	2-Hexanone (MBK)	102	1.5	10	
98-82-8	Isopropylbenzene (Cumene)	10.7	0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	11.0	0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	10.7	0.090	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078920-BS1	File ID:	VB227031.D
Sampled:		Prepared:	08/15/13 08:37	Analyzed:	08/15/13 23:26
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
75-09-2	Methylene Chloride	11.8	3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	102	1.5	10	
91-20-3	Naphthalene	11.5	0.12	5.0	
103-65-1	n-Propylbenzene	10.7	0.094	1.0	
100-42-5	Styrene	11.0	0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane	9.88	0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	10.6	0.12	0.50	
127-18-4	Tetrachloroethylene	10.9	0.080	1.0	
109-99-9	Tetrahydrofuran	10.5	1.1	10	
108-88-3	Toluene	10.1	0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene	11.0	0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene	10.7	0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene	9.24	0.14	1.0	
71-55-6	1,1,1-Trichloroethane	10.2	0.094	1.0	
79-00-5	1,1,2-Trichloroethane	10.4	0.12	1.0	
79-01-6	Trichloroethylene	10.3	0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	10.9	0.15	2.0	
96-18-4	1,2,3-Trichloropropane	10.7	0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	11.6	0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene	10.9	0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene	10.7	0.10	1.0	
75-01-4	Vinyl Chloride	9.04	0.13	2.0	
108383/106423	m+p Xylene	21.2	0.18	2.0	
95-47-6	o-Xylene	10.7	0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227031.D Vial: 31
Acq On : 15 Aug 2013 11:26 pm Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 16 09:54:29 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Fri Aug 16 09:52:42 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.954	168	132264	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	192327	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.521	82	103431	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.818	152	95434	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	73584	24.89	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.56%				
43) TOLUENE-D8 SS	6.118	98	198999	25.22	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.88%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	81475	25.21	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.84%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	17817	7.877	UG/L		97
4) DIFLUOROCHLOROMETHANE	1.034	51	24741	8.483	UG/L		98
5) CHLOROMETHANE	1.126	50	18699	8.152	UG/L		99
6) VINYL CHLORIDE	1.185	62	17427	9.036	UG/L		97
7) BROMOMETHANE	1.369	94	5432	4.188	UG/L		96
8) CHLOROETHANE	1.425	64	10379	11.473	UG/L		99
9) FLUORODICHLOROMETHANE	1.531	67	32326	10.586	UG/L		98
10) TRICHLOROFLUOROMETHANE	1.570	101	29429	10.912	UG/L		99
11) ETHANOL	0.000		0	N.D.	d		
12) DI ETHYL ETHER	1.737	59	14322	10.287	UG/L		97
13) ACROLEIN	1.821	56	23712	94.519	UG/L	#	99
14) ACETONE	1.918	43	62755	102.348	UG/L		98
15) 1,1-DICHLOROETHENE	1.888	61	26870	11.328	UG/L		97
16) 1,1,2-TRICL-1,2,2-TRIF...	1.882	101	13914	11.592	UG/L		99
17) IODOMETHANE	1.993	142	21506	7.948	UG/L		98
18) METHYL ACETATE	2.147	43	16385	10.845	UG/L		95
19) T-BUTYL ALCOHOL	2.311	59	15263	91.017	UG/L		97
20) ACRYLONITRILE	2.420	53	6552	8.869	UG/L		97
21) METHYLENE CHLORIDE	2.222	49	25142	11.767	UG/L		94
22) CARBON DISULFIDE	2.038	76	38126	10.814	UG/L	#	93
23) METHYL TERT-BUTYL ETHE...	2.442	73	53296	10.700	UG/L		97
24) TRANS 1,2-DICHLOROETHENE	2.440	61	25001	10.393	UG/L		99
25) 1,1-DICHLOROETHANE	2.813	63	36223	10.723	UG/L		99
26) VINYL ACETATE	2.869	43	420821	95.552	UG/L	#	91
27) DI ISOPROPYL ETHER	2.889	45	66837	11.468	UG/L		92
28) 2-BUTANONE	3.430	43	95115	98.850	UG/L		95
29) T-BUTYL ETHYL ETHER	3.262	59	60751	11.052	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.399	61	32069	10.434	UG/L		99
31) 2,2-DICHLOROPROPANE	3.393	77	20690	8.869	UG/L		99
32) ETHYL ACETATE	3.502	43	18619	7.995	UG/L		97
33) BROMOCHLOROMETHANE	3.642	128	9505	10.767	UG/L		95
34) TETRAHYDROFURAN	3.697	42	5842	10.506	UG/L	#	65
35) CHLOROFORM	3.734	83	37754	10.741	UG/L		100
36) 1,1,1-TRICHLOROETHANE	3.904	97	29855	10.215	UG/L		97
37) CYCLOHEXANE	3.951	56	29780	10.782	UG/L		97
38) CARBON TETRACHLORIDE	4.063	117	22655	9.228	UG/L		98
39) 1,1-DICHLOROPROPENE	4.068	75	27540	10.680	UG/L		99
40) BENZENE	4.275	78	75114	9.956	UG/L		98
41) T-AMYLMETHYL ETHER	4.408	73	50309	10.699	UG/L	#	89
44) 1,2-DICHLOROETHANE	4.302	62	34743	10.747	UG/L		99
45) TRICHLOROETHENE	4.922	95	19274	10.263	UG/L		99
46) METHYLCYCLOHEXANE	5.103	83	20980	11.828	UG/L		98
47) 1,2-DICHLOROPROPANE	5.142	63	20025	10.615	UG/L		99
48) DIBROMOMETHANE	5.251	93	12844	10.640	UG/L		99
49) 1,4-DIOXANE	5.298	88	1606	93.671	UG/L	#	74
50) BROMODICHLOROMETHANE	5.421	83	24320	10.062	UG/L		98
51) 2-CHLOROETHYLVINYLETHER	0.000		0	N.D.			
52) MIBK	6.037	43	196402	101.625	UG/L	#	91
53) CIS-1,3-DICHLOROPROPENE	5.867	75	26487	8.891	UG/L		98

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227031.D Vial: 31
Acq On : 15 Aug 2013 11:26 pm Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 16 09:54:29 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Fri Aug 16 09:52:42 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

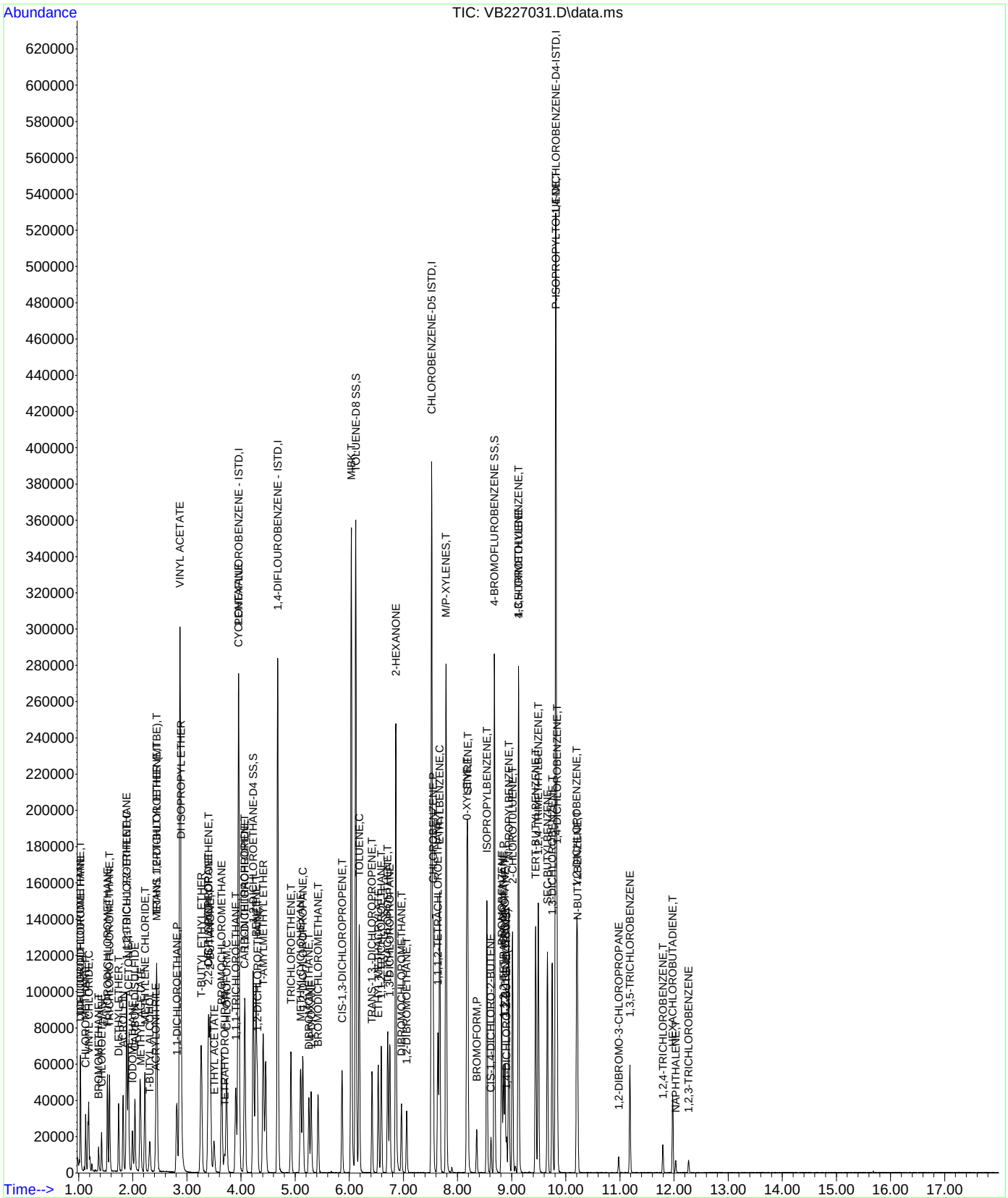
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
54) TOLUENE	6.182	91	81321	10.113 UG/L	98
55) TRANS-1,3,-DICHLOROPRO...	6.419	75	23901	8.788 UG/L	98
56) ETHYL METHACRYLATE	6.533	41	18731	19.853 UG/L	99
57) 1,1,2-TRICHLOROETHANE	6.592	97	17658	10.368 UG/L	100
58) 2-HEXANONE	6.860	43	134880	102.338 UG/L #	93
59) TETRACHLOROETHENE	6.709	164	15751	10.907 UG/L	99
60) 1,3-DICHLOROPROPANE	6.748	76	33605	10.806 UG/L	98
61) DIBROMOCHLOROMETHANE	6.963	129	15849	9.112 UG/L	100
62) 1,2-DIBROMOETHANE	7.058	107	19346	10.763 UG/L	98
65) CHLOROBENZENE	7.548	112	54629	10.340 UG/L	97
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	17758	9.883 UG/L	99
67) ETHYLBENZENE	7.668	91	93988	10.520 UG/L	97
68) M/P-XYLENES	7.785	91	149179	21.235 UG/L	95
69) 0-XYLENE	8.170	91	78563	10.702 UG/L	97
70) STYRENE	8.187	104	59188	11.035 UG/L	98
71) BROMOFORM	8.354	173	9592	9.702 UG/L #	97
72) ISOPROPYLBENZENE	8.541	105	85794	10.725 UG/L	97
73) CIS-1,4-DICHLORO-2-BUTENE	8.614	53	4070	9.701 UG/L #	66
74) 1,1,2,2-TETRACHLOROETHANE	8.848	83	23538	10.561 UG/L	99
75) 1,4-DICHLORO-2-BUTENE(...	8.904	53	4200	8.912 UG/L #	69
76) BROMOBENZENE	8.815	77	38850	10.438 UG/L	96
77) 1,2,3-TRICHLOROPROPANE	8.876	110	7971	10.692 UG/L	78
78) N-PROPYLBENZENE	8.948	91	94801	10.715 UG/L	96
79) 2-CHLOROT0LUENE	9.015	91	65740	10.280 UG/L	95
80) 1,3,5-TRIMETHYLBENZENE	9.127	105	72376	10.699 UG/L	99
81) 4-CHLOROTOLUENE	9.127	91	76976	10.761 UG/L	98
83) TERT-BUTYLBENZENE	9.442	119	55406	10.469 UG/L	99
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	74168	10.920 UG/L	98
85) SEC-BUTYLBENZENE	9.659	105	73662	10.775 UG/L	97
86) 1,3-DICHLOROBENZENE	9.749	146	40889	10.354 UG/L	99
87) P-ISOPROPYLTOLUENE	9.813	119	63339	10.977 UG/L	98
88) 1,4-DICHLOROBENZENE	9.838	146	42036	10.486 UG/L	98
89) N-BUTYLBENZENE	10.217	91	44447	9.133 UG/L	95
90) 1,2-DICHLOROBENZENE	10.200	146	39399	10.327 UG/L	99
91) 1,2-DIBROMO-3-CHLOROPR...	10.976	75	1989	10.521 UG/L	94
92) 1,3,5-TRICHLOROBENZENE	11.185	180	17471	9.238 UG/L	99
93) 1,2,4-TRICHLOROBENZENE	11.796	180	4763	10.725 UG/L	97
94) HEXACHLOROBUTADIENE	11.974	225	8701	10.512 UG/L	99
95) NAPHTHALENE	12.033	128	5077	11.493 UG/L #	83
96) 1,2,3-TRICHLOROBENZENE	12.270	180	2612	11.041 UG/L	93

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

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227031.D Vial: 31
Acq On : 15 Aug 2013 11:26 pm Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 16 09:54:29 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Fri Aug 16 09:52:42 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078920-BSD1	File ID:	VB227032.D
Sampled:		Prepared:	08/15/13 08:37	Analyzed:	08/15/13 23:56
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	93.0	4.7	50	
107-13-1	Acrylonitrile	8.84	0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)	10.4	0.091	0.50	
71-43-2	Benzene	9.98	0.079	1.0	
108-86-1	Bromobenzene	10.1	0.044	1.0	
74-97-5	Bromochloromethane	10.9	0.22	1.0	
75-27-4	Bromodichloromethane	10.0	0.088	1.0	
75-25-2	Bromoform	9.42	0.21	1.0	
74-83-9	Bromomethane	6.48	0.94	2.0	R-05, V-20
78-93-3	2-Butanone (MEK)	89.3	2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)	81.8	2.2	20	V-16
104-51-8	n-Butylbenzene	8.98	0.054	5.0	
135-98-8	sec-Butylbenzene	11.0	0.084	1.0	
98-06-6	tert-Butylbenzene	10.7	0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)	11.0	0.075	0.50	
75-15-0	Carbon Disulfide	11.0	1.0	4.0	V-20
56-23-5	Carbon Tetrachloride	9.68	0.10	5.0	
108-90-7	Chlorobenzene	10.2	0.12	1.0	
124-48-1	Chlorodibromomethane	9.13	0.054	0.50	
75-00-3	Chloroethane	12.0	0.16	2.0	
67-66-3	Chloroform	10.6	0.14	2.0	
74-87-3	Chloromethane	8.61	0.32	2.0	
95-49-8	2-Chlorotoluene	10.3	0.070	1.0	
106-43-4	4-Chlorotoluene	10.7	0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	9.76	0.34	5.0	
106-93-4	1,2-Dibromoethane (EDB)	10.4	0.089	0.50	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078920-BSD1	File ID:	VB227032.D
Sampled:		Prepared:	08/15/13 08:37	Analyzed:	08/15/13 23:56
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
74-95-3	Dibromomethane	10.7	0.070	1.0	
95-50-1	1,2-Dichlorobenzene	10.3	0.076	1.0	
541-73-1	1,3-Dichlorobenzene	10.4	0.079	1.0	
106-46-7	1,4-Dichlorobenzene	10.3	0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene	8.19	0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	8.09	0.12	2.0	
75-34-3	1,1-Dichloroethane	10.7	0.16	1.0	
107-06-2	1,2-Dichloroethane	10.7	0.19	1.0	
75-35-4	1,1-Dichloroethylene	11.7	0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.4	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene	10.8	0.15	1.0	
78-87-5	1,2-Dichloropropane	10.8	0.11	1.0	
142-28-9	1,3-Dichloropropane	10.5	0.099	0.50	
594-20-7	2,2-Dichloropropane	9.19	0.072	1.0	
563-58-6	1,1-Dichloropropene	10.9	0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene	9.00	0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene	8.88	0.056	5.0	
60-29-7	Diethyl Ether	10.4	0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)	11.7	0.18	0.50	
123-91-1	1,4-Dioxane	80.2	26	50	V-05, V-16
100-41-4	Ethylbenzene	10.4	0.092	1.0	
87-68-3	Hexachlorobutadiene	10.2	0.17	1.0	
591-78-6	2-Hexanone (MBK)	91.4	1.5	10	
98-82-8	Isopropylbenzene (Cumene)	10.7	0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	11.1	0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	10.9	0.090	1.0	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B078920-BSD1	File ID:	VB227032.D
Sampled:		Prepared:	08/15/13 08:37	Analyzed:	08/15/13 23:56
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
75-09-2	Methylene Chloride	12.0	3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	95.3	1.5	10	
91-20-3	Naphthalene	11.1	0.12	5.0	
103-65-1	n-Propylbenzene	10.9	0.094	1.0	
100-42-5	Styrene	11.0	0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane	9.81	0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	9.78	0.12	0.50	
127-18-4	Tetrachloroethylene	11.0	0.080	1.0	
109-99-9	Tetrahydrofuran	9.45	1.1	10	
108-88-3	Toluene	10.2	0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene	10.5	0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene	10.2	0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene	8.79	0.14	1.0	
71-55-6	1,1,1-Trichloroethane	10.3	0.094	1.0	
79-00-5	1,1,2-Trichloroethane	10.3	0.12	1.0	
79-01-6	Trichloroethylene	10.2	0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	11.5	0.15	2.0	
96-18-4	1,2,3-Trichloropropane	10.0	0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	12.1	0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene	11.0	0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene	10.7	0.10	1.0	
75-01-4	Vinyl Chloride	9.48	0.13	2.0	
108383/106423	m+p Xylene	21.0	0.18	2.0	
95-47-6	o-Xylene	10.6	0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227032.D Vial: 32
Acq On : 15 Aug 2013 11:56 pm Operator:
Sample : B0-BSD1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 19 15:17:53 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Aug 19 13:48:32 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	133572	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	194066	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.518	82	105462	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	95957	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	73778	24.71	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.84%				
43) TOLUENE-D8 SS	6.118	98	201774	25.34	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.36%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	82191	24.94	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.76%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	18472	8.086	UG/L		98
4) DIFLUOROCHLOROMETHANE	1.034	51	25228	8.565	UG/L		96
5) CHLOROMETHANE	1.126	50	19934	8.605	UG/L		98
6) VINYL CHLORIDE	1.185	62	18473	9.485	UG/L		99
7) BROMOMETHANE	1.369	94	7080	6.477	UG/L		93
8) CHLOROETHANE	1.422	64	10941	11.976	UG/L		99
9) FLUORODICHLOROMETHANE	1.531	67	33658	10.914	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.570	101	31410	11.533	UG/L		99
11) ETHANOL	0.000		0	N.D.	d		
12) DI ETHYL ETHER	1.737	59	14641	10.413	UG/L		95
13) ACROLEIN	1.821	56	22804	90.009	UG/L	#	100
14) ACETONE	1.915	43	57568	92.969	UG/L		96
15) 1,1-DICHLOROETHENE	1.885	61	28084	11.724	UG/L		97
16) 1,1,2-TRICL-1,2,2-TRIF...	1.885	101	14683	12.113	UG/L		99
17) IODOMETHANE	1.991	142	20670	7.395	UG/L		100
18) METHYL ACETATE	2.150	43	15950	10.454	UG/L		95
19) T-BUTYL ALCOHOL	2.309	59	13845	81.752	UG/L		98
20) ACRYLONITRILE	2.417	53	6598	8.844	UG/L		96
21) METHYLENE CHLORIDE	2.222	49	25963	12.033	UG/L		93
22) CARBON DISULFIDE	2.038	76	39270	11.029	UG/L	#	93
23) METHYL TERT-BUTYL ETHE...	2.440	73	54787	10.891	UG/L		98
24) TRANS 1,2-DICHLOROETHENE	2.440	61	26295	10.824	UG/L		98
25) 1,1-DICHLOROETHANE	2.816	63	36611	10.732	UG/L		99
26) VINYL ACETATE	2.869	43	415393	93.396	UG/L	#	91
27) DI ISOPROPYL ETHER	2.886	45	68720	11.675	UG/L		90
28) 2-BUTANONE	3.430	43	86768	89.292	UG/L		95
29) T-BUTYL ETHYL ETHER	3.262	59	61193	11.023	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.399	61	32321	10.413	UG/L		99
31) 2,2-DICHLOROPROPANE	3.399	77	21642	9.186	UG/L		99
32) ETHYL ACETATE	3.502	43	17509	7.445	UG/L		98
33) BROMOCHLOROMETHANE	3.642	128	9721	10.903	UG/L		96
34) TETRAHYDROFURAN	3.689	42	5309	9.454	UG/L	#	65
35) CHLOROFORM	3.734	83	37653	10.607	UG/L		100
36) 1,1,1-TRICHLOROETHANE	3.901	97	30383	10.294	UG/L		98
37) CYCLOHEXANE	3.951	56	30757	11.027	UG/L		97
38) CARBON TETRACHLORIDE	4.065	117	23997	9.679	UG/L		99
39) 1,1-DICHLOROPROPENE	4.068	75	28481	10.937	UG/L		98
40) BENZENE	4.275	78	76036	9.979	UG/L		99
41) T-AMYLMETHYL ETHER	4.411	73	49624	10.450	UG/L	#	92
44) 1,2-DICHLOROETHANE	4.300	62	34768	10.659	UG/L		99
45) TRICHLOROETHENE	4.922	95	19395	10.235	UG/L		98
46) METHYLCYCLOHEXANE	5.103	83	21702	12.126	UG/L		98
47) 1,2-DICHLOROPROPANE	5.139	63	20556	10.799	UG/L		98
48) DIBROMOMETHANE	5.253	93	13017	10.687	UG/L		99
49) 1,4-DIOXANE	5.290	88	1388	80.230	UG/L	#	68
50) BROMODICHLOROMETHANE	5.424	83	24380	9.997	UG/L		99
51) 2-CHLOROETHYLVINYLETHER	0.000		0	N.D.			
52) MIBK	6.037	43	185850	95.303	UG/L	#	90
53) CIS-1,3-DICHLOROPROPENE	5.867	75	27047	8.998	UG/L		98

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227032.D Vial: 32
Acq On : 15 Aug 2013 11:56 pm Operator:
Sample : B0-BSD1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 19 15:17:53 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Aug 19 13:48:32 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

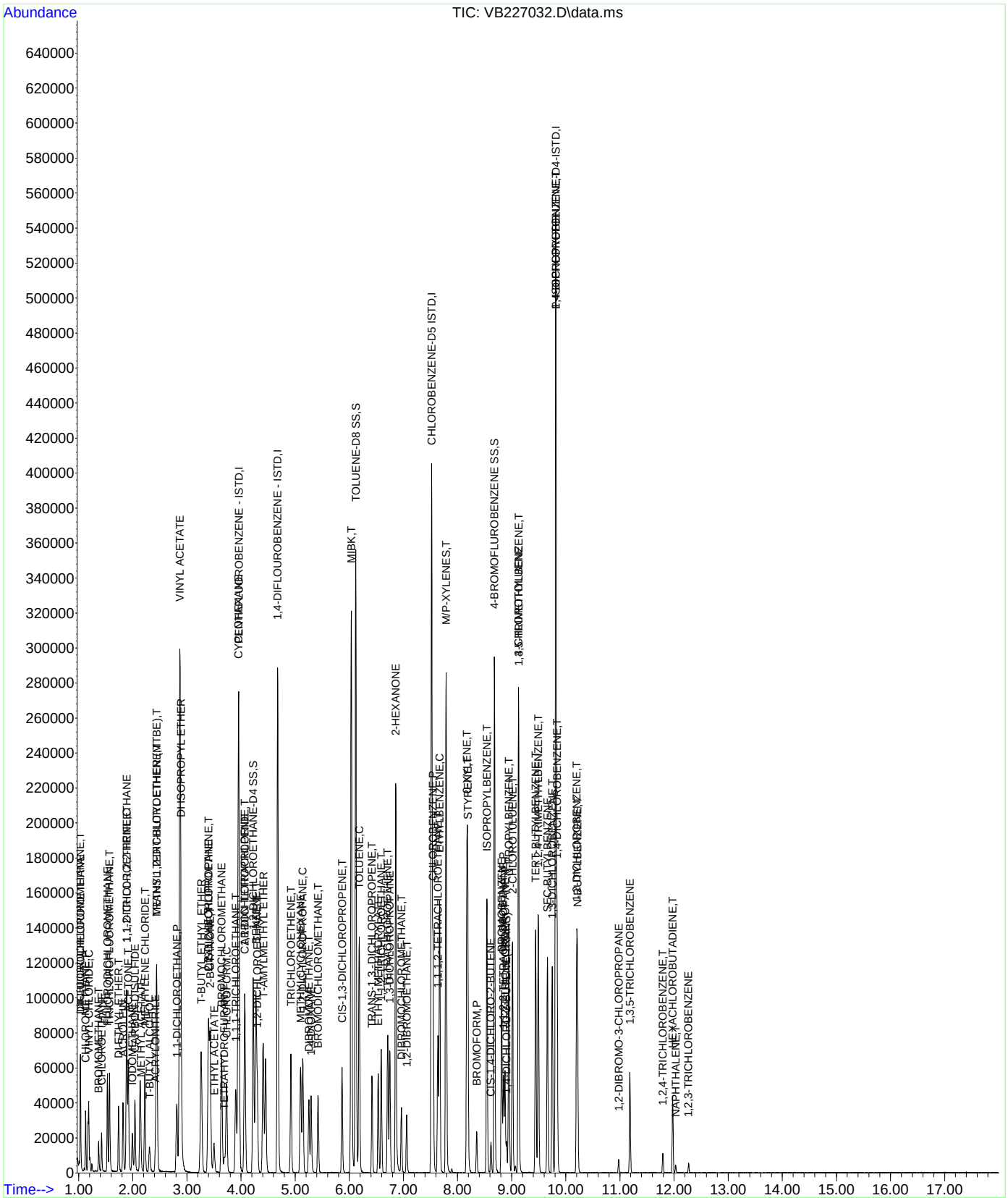
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) TOLUENE	6.185	91	82896	10.217	UG/L		98
55) TRANS-1,3,-DICHLOROPRO...	6.419	75	24359	8.876	UG/L		98
56) ETHYL METHACRYLATE	6.533	41	17789	18.686	UG/L		98
57) 1,1,2-TRICHLOROETHANE	6.589	97	17762	10.336	UG/L		98
58) 2-HEXANONE	6.857	43	121603	91.437	UG/L		93
59) TETRACHLOROETHENE	6.709	164	16086	11.040	UG/L		99
60) 1,3-DICHLOROPROPANE	6.748	76	32937	10.496	UG/L		97
61) DIBROMOCHLOROMETHANE	6.963	129	16023	9.125	UG/L		98
62) 1,2-DIBROMOETHANE	7.060	107	18910	10.426	UG/L	#	99
65) CHLOROBENZENE	7.546	112	54776	10.168	UG/L		97
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	17972	9.809	UG/L		99
67) ETHYLBENZENE	7.668	91	95022	10.431	UG/L		96
68) M/P-XYLENES	7.788	91	150806	21.053	UG/L		95
69) 0-XYLENE	8.173	91	79224	10.584	UG/L		97
70) STYRENE	8.187	104	60053	10.981	UG/L		98
71) BROMOFORM	8.352	173	9272	9.415	UG/L		99
72) ISOPROPYLBENZENE	8.541	105	87527	10.731	UG/L		97
73) CIS-1,4-DICHLORO-2-BUTENE	8.614	53	3837	9.376	UG/L	#	64
74) 1,1,2,2-TETRACHLOROETHANE	8.845	83	22220	9.778	UG/L		100
75) 1,4-DICHLORO-2-BUTENE(...	8.907	53	3614	8.190	UG/L	#	73
76) BROMOBENZENE	8.812	77	38483	10.140	UG/L		97
77) 1,2,3-TRICHLOROPROPANE	8.879	110	7622	10.027	UG/L		84
78) N-PROPYLBENZENE	8.946	91	98161	10.882	UG/L		96
79) 2-CHLOROT0LUENE	9.015	91	66998	10.275	UG/L		97
80) 1,3,5-TRIMETHYLBENZENE	9.130	105	73948	10.721	UG/L		98
81) 4-CHLOROTOLUENE	9.124	91	77729	10.657	UG/L		97
83) TERT-BUTYLBENZENE	9.442	119	57142	10.739	UG/L		100
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	74899	10.967	UG/L		98
85) SEC-BUTYLBENZENE	9.659	105	75484	10.981	UG/L		98
86) 1,3-DICHLOROBENZENE	9.749	146	41103	10.352	UG/L		100
87) P-ISOPROPYLTOLUENE	9.813	119	64597	11.134	UG/L		98
88) 1,4-DICHLOROBENZENE	9.838	146	41525	10.302	UG/L		98
89) N-BUTYLBENZENE	10.214	91	43944	8.981	UG/L		97
90) 1,2-DICHLOROBENZENE	10.200	146	39462	10.287	UG/L		99
91) 1,2-DIBROMO-3-CHLOROPR...	10.976	75	1665	9.760	UG/L		99
92) 1,3,5-TRICHLOROBENZENE	11.182	180	16441	8.788	UG/L		100
93) 1,2,4-TRICHLOROBENZENE	11.790	180	3755	10.243	UG/L		98
94) HEXACHLOROBUTADIENE	11.974	225	8481	10.237	UG/L		98
95) NAPHTHALENE	12.030	128	3696	11.114	UG/L	#	69
96) 1,2,3-TRICHLOROBENZENE	12.264	180	1860	10.490	UG/L		94

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

Quantitation Report (QT Reviewed)

Data File : W:\DATA\081513\VB227032.D Vial: 32
Acq On : 15 Aug 2013 11:56 pm Operator:
Sample : B0-BSD1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 19 15:17:53 2013

Quant Method : \\Voa2\MSDChem\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Aug 19 13:48:32 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



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1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B079026-BLK1	File ID:	VB233007.D
Sampled:		Prepared:	08/19/13 08:35	Analyzed:	08/21/13 08:05
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	V-16
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B079026-BLK1	File ID:	VB233007.D
Sampled:		Prepared:	08/19/13 08:35	Analyzed:	08/21/13 08:05
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	V-05, V-16
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B079026-BLK1	File ID:	VB233007.D
Sampled:		Prepared:	08/19/13 08:35	Analyzed:	08/21/13 08:05
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	V-05
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	V-05
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	
95-47-6	o-Xylene		0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\082113\VB233007.D Vial: 7
Acq On : 21 Aug 2013 8:05 am Operator:
Sample : B0-BLK1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 21 12:19:09 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 12:16:21 2013
Response via : Initial Calibration
DataAcq Meth:B0813W13.M

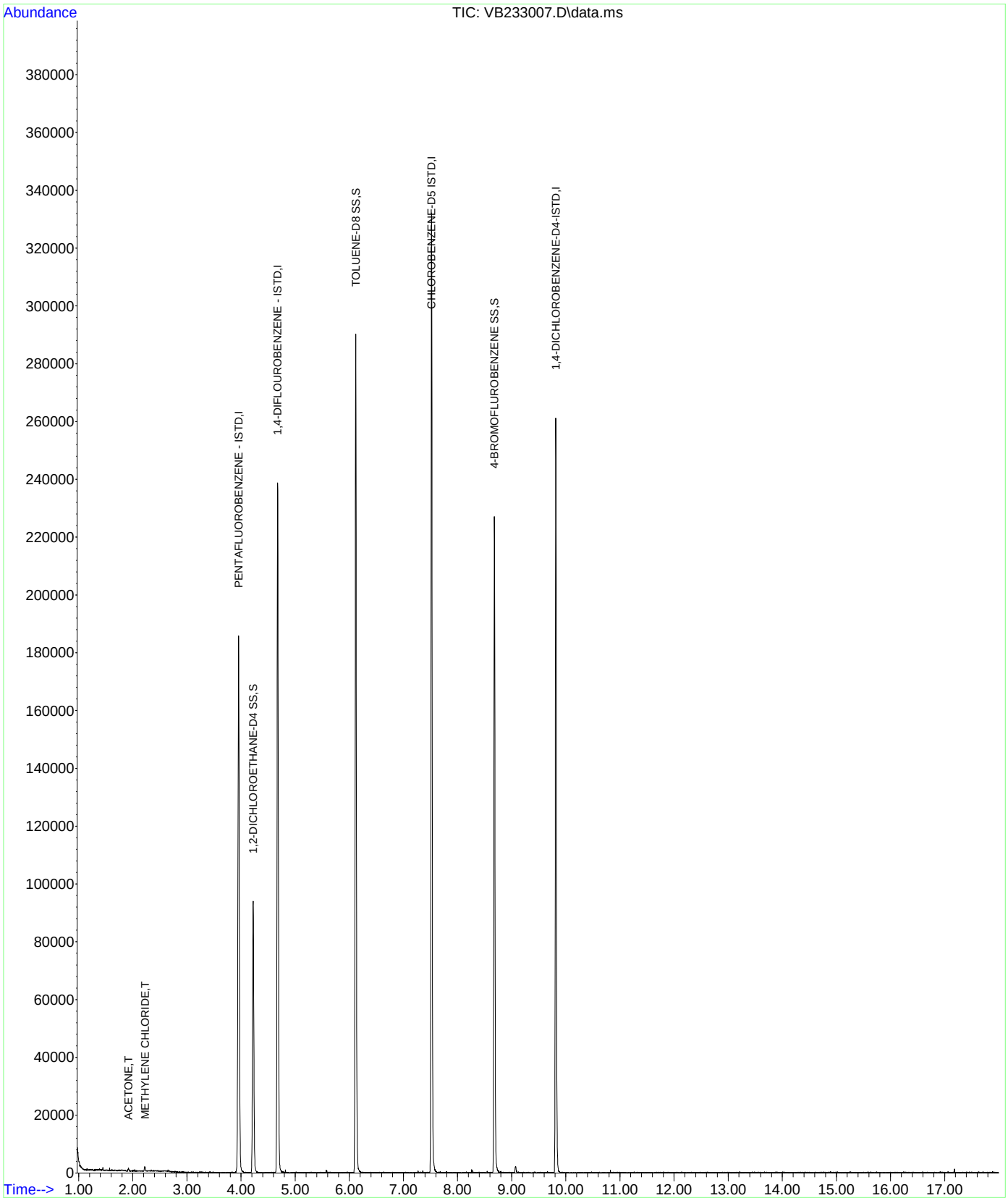
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	3.954	168	109470	30.00	UG/L	0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	158029	30.00	UG/L	0.00
63) CHLOROBENZENE-D5 ISTD	7.518	82	88055	30.00	UG/L	0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	57035	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	66050	26.99	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 107.96%			
43) TOLUENE-D8 SS	6.121	98	161304	24.88	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.52%			
64) 4-BROMOFLUROBENZENE SS	8.681	95	64173	23.32	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.28%			
Target Compounds						Qvalue
14) ACETONE	1.918	43	799	1.574	UG/L	# 46
21) METHYLENE CHLORIDE	2.228	49	770	0.435	UG/L	# 17

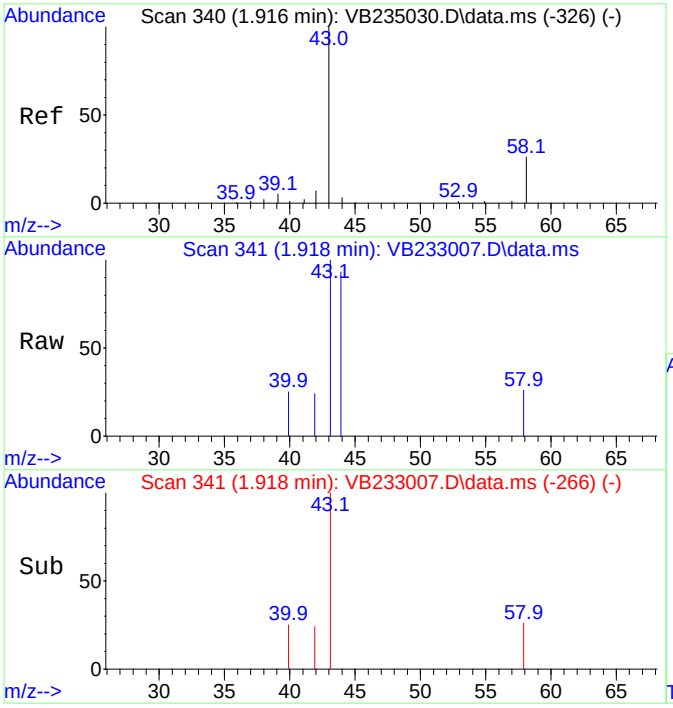
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : W:\DATA\082113\VB233007.D Vial: 7
Acq On : 21 Aug 2013 8:05 am Operator:
Sample : B0-BLK1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 21 12:19:09 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 12:16:21 2013
Response via : Initial Calibration
DataAcq Meth:B0813W13.M

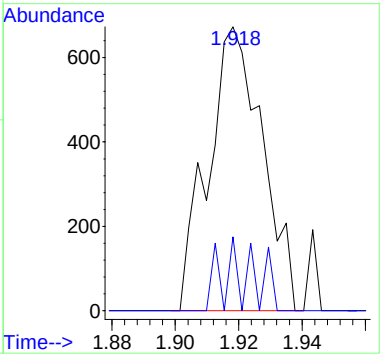


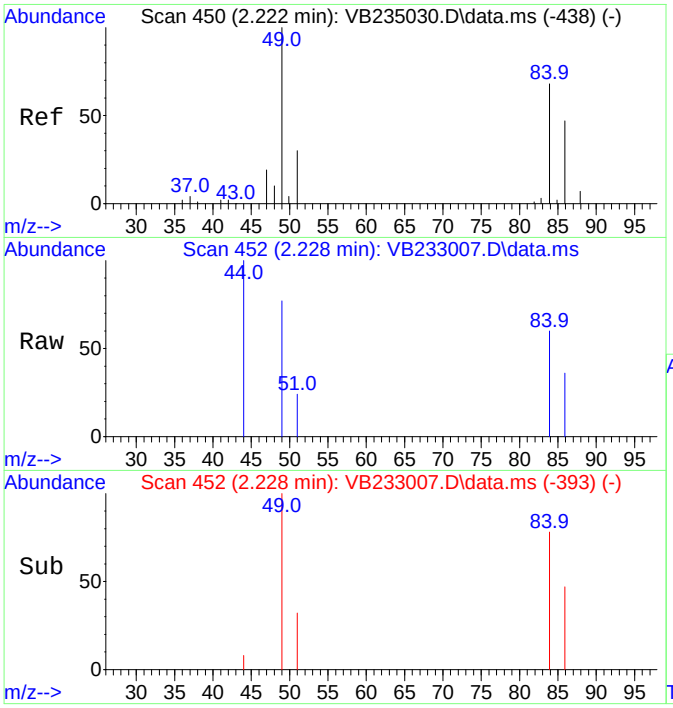


#14
ACETONE
Concen: 1.57 UG/L
RT: 1.918 min Scan# 341
Delta R.T. -0.003 min
Lab File: VB233007.D
Acq: 21 Aug 2013 8:05 am

Tgt Ion: 43 Resp: 799

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.2	34.8#

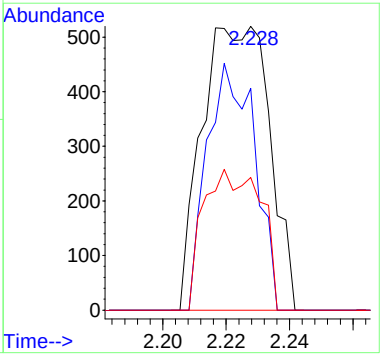




#21
METHYLENE CHLORIDE
Concen: 0.44 UG/L
RT: 2.228 min Scan# 452
Delta R.T. 0.006 min
Lab File: VB233007.D
Acq: 21 Aug 2013 8:05 am

Tgt Ion: 49 Resp: 770

Ion	Ratio	Lower	Upper
49	100		
84	0.0	62.3	93.5#
86	0.0	40.4	60.6#



con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B079026-BS1	File ID:	VB233004.D
Sampled:		Prepared:	08/19/13 08:35	Analyzed:	08/21/13 06:34
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	78.5	4.7	50	
107-13-1	Acrylonitrile	9.50	0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)	9.75	0.091	0.50	
71-43-2	Benzene	9.69	0.079	1.0	
108-86-1	Bromobenzene	9.81	0.044	1.0	
74-97-5	Bromochloromethane	10.6	0.22	1.0	
75-27-4	Bromodichloromethane	10.7	0.088	1.0	
75-25-2	Bromoform	9.40	0.21	1.0	
74-83-9	Bromomethane	5.77	0.94	2.0	V-20
78-93-3	2-Butanone (MEK)	81.7	2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)	76.7	2.2	20	V-16
104-51-8	n-Butylbenzene	8.60	0.054	5.0	
135-98-8	sec-Butylbenzene	10.9	0.084	1.0	
98-06-6	tert-Butylbenzene	10.6	0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)	10.3	0.075	0.50	
75-15-0	Carbon Disulfide	10.2	1.0	4.0	V-20
56-23-5	Carbon Tetrachloride	10.3	0.10	5.0	
108-90-7	Chlorobenzene	9.70	0.12	1.0	
124-48-1	Chlorodibromomethane	9.47	0.054	0.50	
75-00-3	Chloroethane	11.3	0.16	2.0	
67-66-3	Chloroform	11.0	0.14	2.0	
74-87-3	Chloromethane	7.89	0.32	2.0	
95-49-8	2-Chlorotoluene	9.93	0.070	1.0	
106-43-4	4-Chlorotoluene	10.4	0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	8.79	0.34	5.0	
106-93-4	1,2-Dibromoethane (EDB)	10.3	0.089	0.50	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B079026-BS1	File ID:	VB233004.D
Sampled:		Prepared:	08/19/13 08:35	Analyzed:	08/21/13 06:34
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
74-95-3	Dibromomethane	11.0	0.070	1.0	
95-50-1	1,2-Dichlorobenzene	9.71	0.076	1.0	
541-73-1	1,3-Dichlorobenzene	10.0	0.079	1.0	
106-46-7	1,4-Dichlorobenzene	9.87	0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene	8.45	0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	7.57	0.12	2.0	
75-34-3	1,1-Dichloroethane	10.8	0.16	1.0	
107-06-2	1,2-Dichloroethane	11.3	0.19	1.0	
75-35-4	1,1-Dichloroethylene	11.3	0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.9	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene	12.1	0.15	1.0	V-20
78-87-5	1,2-Dichloropropane	10.4	0.11	1.0	
142-28-9	1,3-Dichloropropane	10.3	0.099	0.50	
594-20-7	2,2-Dichloropropane	11.6	0.072	1.0	V-20
563-58-6	1,1-Dichloropropene	11.0	0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene	9.07	0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene	9.03	0.056	5.0	
60-29-7	Diethyl Ether	9.50	0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)	11.2	0.18	0.50	
123-91-1	1,4-Dioxane	75.3	26	50	V-05, V-16
100-41-4	Ethylbenzene	10.1	0.092	1.0	
87-68-3	Hexachlorobutadiene	9.46	0.17	1.0	
591-78-6	2-Hexanone (MBK)	84.0	1.5	10	
98-82-8	Isopropylbenzene (Cumene)	10.2	0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	11.0	0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	11.0	0.090	1.0	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B079026-BS1	File ID:	VB233004.D
Sampled:		Prepared:	08/19/13 08:35	Analyzed:	08/21/13 06:34
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
75-09-2	Methylene Chloride	11.5	3.2	5.0	V-20
108-10-1	4-Methyl-2-pentanone (MIBK)	88.4	1.5	10	
91-20-3	Naphthalene	10.4	0.12	5.0	
103-65-1	n-Propylbenzene	10.3	0.094	1.0	
100-42-5	Styrene	10.2	0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane	9.82	0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	8.74	0.12	0.50	
127-18-4	Tetrachloroethylene	11.1	0.080	1.0	
109-99-9	Tetrahydrofuran	8.21	1.1	10	V-05
108-88-3	Toluene	10.1	0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene	9.59	0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene	9.22	0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene	7.29	0.14	1.0	V-05
71-55-6	1,1,1-Trichloroethane	10.8	0.094	1.0	
79-00-5	1,1,2-Trichloroethane	9.98	0.12	1.0	
79-01-6	Trichloroethylene	10.4	0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	11.6	0.15	2.0	
96-18-4	1,2,3-Trichloropropane	9.13	0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	11.2	0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene	11.1	0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene	10.5	0.10	1.0	
75-01-4	Vinyl Chloride	8.53	0.13	2.0	
108383/106423	m+p Xylene	20.7	0.18	2.0	
95-47-6	o-Xylene	10.3	0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\082113\VB233004.D Vial: 4
Acq On : 21 Aug 2013 6:34 am Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 21 12:16:57 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 12:16:21 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.957	168	110270	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.676	114	159132	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.518	82	89225	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	78518	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	65478	26.56	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.24%				
43) TOLUENE-D8 SS	6.118	98	166733	25.54	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.16%				
64) 4-BROMOFLUROBENZENE SS	8.678	95	69319	24.86	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.44%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	14274	7.569	UG/L		98
4) DIFLUOROCHLOROMETHANE	1.034	51	19190	7.892	UG/L		98
5) CHLOROMETHANE	1.126	50	15090	7.891	UG/L		99
6) VINYL CHLORIDE	1.188	62	13716	8.530	UG/L		99
7) BROMOMETHANE	1.366	94	5441	5.775	UG/L		93
8) CHLOROETHANE	1.425	64	8546	11.331	UG/L		98
9) FLUORODICHLOROMETHANE	1.531	67	27217	10.690	UG/L		98
10) TRICHLOROFLUOROMETHANE	1.567	101	26144	11.628	UG/L		100
11) ETHANOL	1.737	45	7624	645.127	UG/L	#	52
12) DI ETHYL ETHER	1.737	59	11022	9.496	UG/L		97
13) ACROLEIN	1.821	56	17478	83.565	UG/L	#	97
14) ACETONE	1.921	43	40151	78.544	UG/L		93
15) 1,1-DICHLOROETHENE	1.888	61	22424	11.340	UG/L		95
16) 1,1,2-TRICL-1,2,2-TRIF...	1.885	101	11196	11.188	UG/L		94
17) IODOMETHANE	1.991	142	19546	8.979	UG/L		97
18) METHYL ACETATE	2.150	43	9813	7.791	UG/L		94
19) T-BUTYL ALCOHOL	2.317	59	10721	76.683	UG/L	#	92
20) ACRYLONITRILE	2.420	53	5850	9.498	UG/L		98
21) METHYLENE CHLORIDE	2.222	49	20447	11.479	UG/L		92
22) CARBON DISULFIDE	2.038	76	30086	10.235	UG/L	#	92
23) METHYL TERT-BUTYL ETHE...	2.440	73	45805	11.030	UG/L		99
24) TRANS 1,2-DICHLOROETHENE	2.437	61	24236	12.085	UG/L		95
25) 1,1-DICHLOROETHANE	2.813	63	30281	10.752	UG/L		100
26) VINYL ACETATE	2.872	43	354111	96.442	UG/L	#	91
27) DI ISOPROPYL ETHER	2.889	45	54522	11.220	UG/L		90
28) 2-BUTANONE	3.427	43	65516	81.669	UG/L		94
29) T-BUTYL ETHYL ETHER	3.265	59	47085	10.274	UG/L		98
30) CIS-1,2-DICHLOROETHENE	3.399	61	27968	10.914	UG/L		94
31) 2,2-DICHLOROPROPANE	3.399	77	22663	11.653	UG/L		98
32) ETHYL ACETATE	3.502	43	14309	7.370	UG/L		94
33) BROMOCHLOROMETHANE	3.642	128	7802	10.600	UG/L		92
34) TETRAHYDROFURAN	3.692	42	3807	8.212	UG/L	#	64
35) CHLOROFORM	3.734	83	32154	10.972	UG/L		99
36) 1,1,1-TRICHLOROETHANE	3.901	97	26278	10.784	UG/L		96
37) CYCLOHEXANE	3.951	56	23789	10.331	UG/L		97
38) CARBON TETRACHLORIDE	4.066	117	21036	10.278	UG/L		99
39) 1,1-DICHLOROPROPENE	4.068	75	23613	10.983	UG/L		98
40) BENZENE	4.275	78	60973	9.693	UG/L		99
41) T-AMYLMETHYL ETHER	4.406	73	38212	9.747	UG/L	#	89
44) 1,2-DICHLOROETHANE	4.303	62	30272	11.318	UG/L		98
45) TRICHLOROETHENE	4.924	95	16137	10.385	UG/L		97
46) METHYLCYCLOHEXANE	5.100	83	16587	11.302	UG/L		94
47) 1,2-DICHLOROPROPANE	5.142	63	16173	10.362	UG/L		95
48) DIBROMOMETHANE	5.253	93	10990	11.003	UG/L		95
49) 1,4-DIOXANE	5.301	88	1068	75.286	UG/L	#	77
50) BROMODICHLOROMETHANE	5.421	83	21350	10.676	UG/L		98
52) MIBK	6.037	43	141330	88.383	UG/L	#	91
53) CIS-1,3-DICHLOROPROPENE	5.864	75	22356	9.070	UG/L		95
54) TOLUENE	6.182	91	67343	10.122	UG/L		97

Data File : W:\DATA\082113\VB233004.D Vial: 4
Acq On : 21 Aug 2013 6:34 am Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 21 12:16:57 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 12:16:21 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

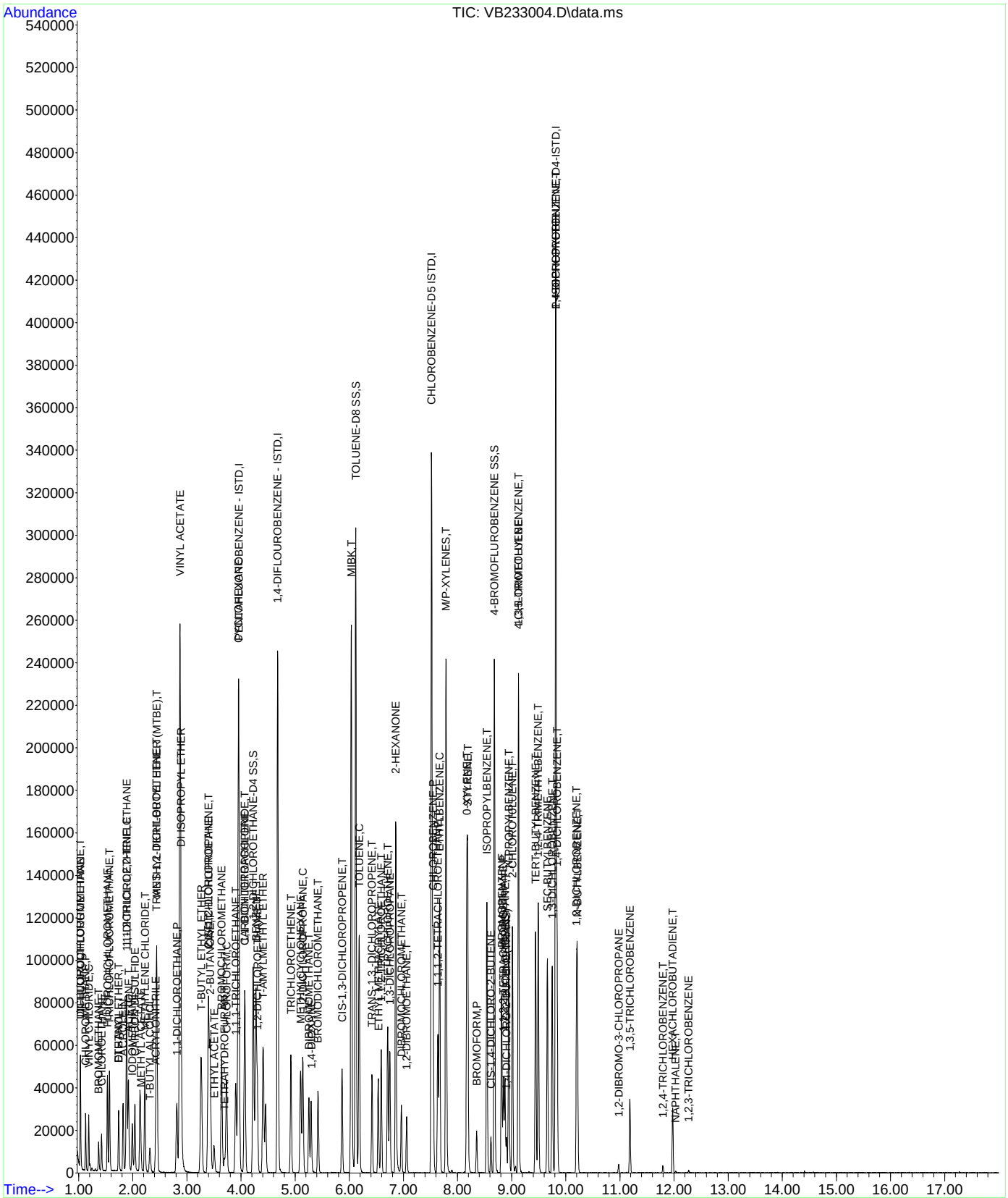
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
55) TRANS-1,3,-DICHLOROPRO...	6.419	75	20321	9.031 UG/L	94
56) ETHYL METHACRYLATE	6.536	41	13716	17.570 UG/L	99
57) 1,1,2-TRICHLOROETHANE	6.589	97	14067	9.982 UG/L	99
58) 2-HEXANONE	6.857	43	91563	83.964 UG/L #	91
59) TETRACHLOROETHENE	6.712	164	13312	11.141 UG/L	98
60) 1,3-DICHLOROPROPANE	6.751	76	26416	10.266 UG/L	94
61) DIBROMOCHLOROMETHANE	6.963	129	13782	9.474 UG/L	97
62) 1,2-DIBROMOETHANE	7.058	107	15332	10.309 UG/L #	98
65) CHLOROBENZENE	7.549	112	44197	9.698 UG/L	95
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	15218	9.818 UG/L	98
67) ETHYLBENZENE	7.668	91	77791	10.094 UG/L	95
68) M/P-XYLENES	7.786	91	125348	20.683 UG/L	94
69) 0-XYLENE	8.170	91	65037	10.270 UG/L	97
70) STYRENE	8.187	104	47194	10.200 UG/L	97
71) BROMOFORM	8.354	173	7822	9.400 UG/L #	98
72) ISOPROPYLBENZENE	8.541	105	70689	10.244 UG/L	97
73) CIS-1,4-DICHLORO-2-BUTENE	8.617	53	3591	9.799 UG/L #	61
74) 1,1,2,2-TETRACHLOROETHANE	8.845	83	16805	8.741 UG/L	100
75) 1,4-DICHLORO-2-BUTENE(...	8.904	53	3259	8.447 UG/L #	72
76) BROMOBENZENE	8.815	77	31496	9.809 UG/L	96
77) 1,2,3-TRICHLOROPROPANE	8.879	110	5869	9.126 UG/L	79
78) N-PROPYLBENZENE	8.946	91	78562	10.294 UG/L	96
79) 2-CHLOROT0LUENE	9.013	91	54769	9.928 UG/L	95
80) 1,3,5-TRIMETHYLBENZENE	9.127	105	61021	10.456 UG/L	96
81) 4-CHLOROTOLUENE	9.124	91	64225	10.408 UG/L	96
83) TERT-BUTYLBENZENE	9.442	119	45968	10.557 UG/L	97
84) 1,2,4-TRIMETHYLBENZENE	9.489	105	62044	11.103 UG/L	96
85) SEC-BUTYLBENZENE	9.660	105	61206	10.881 UG/L	96
86) 1,3-DICHLOROBENZENE	9.749	146	32562	10.022 UG/L	99
87) P-ISOPROPYLTOLUENE	9.813	119	52256	11.007 UG/L	99
88) 1,4-DICHLOROBENZENE	9.838	146	32542	9.866 UG/L	98
89) N-BUTYLBENZENE	10.214	91	34417	8.596 UG/L	98
90) 1,2-DICHLOROBENZENE	10.198	146	30483	9.711 UG/L	99
91) 1,2-DIBROMO-3-CHLOROPR...	10.981	75	1014	8.792 UG/L	94
92) 1,3,5-TRICHLOROBENZENE	11.182	180	10383	7.288 UG/L	98
93) 1,2,4-TRICHLOROBENZENE	11.793	180	1274	9.218 UG/L #	84
94) HEXACHLOROBUTADIENE	11.977	225	6320	9.458 UG/L	98
95) NAPHTHALENE	12.027	128	985	10.443 UG/L #	69
96) 1,2,3-TRICHLOROBENZENE	12.267	180	495	9.587 UG/L #	85

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

Quantitation Report (QT Reviewed)

Data File : W:\DATA\082113\VB233004.D Vial: 4
Acq On : 21 Aug 2013 6:34 am Operator:
Sample : B0-BS1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 21 12:16:57 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 12:16:21 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M



con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B079026-BSD1	File ID:	VB233005.D
Sampled:		Prepared:	08/19/13 08:35	Analyzed:	08/21/13 07:04
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	82.4	4.7	50	
107-13-1	Acrylonitrile	9.93	0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)	9.67	0.091	0.50	
71-43-2	Benzene	9.48	0.079	1.0	
108-86-1	Bromobenzene	9.50	0.044	1.0	
74-97-5	Bromochloromethane	10.3	0.22	1.0	
75-27-4	Bromodichloromethane	10.2	0.088	1.0	
75-25-2	Bromoform	9.19	0.21	1.0	
74-83-9	Bromomethane	6.64	0.94	2.0	V-20
78-93-3	2-Butanone (MEK)	85.4	2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)	77.9	2.2	20	V-16
104-51-8	n-Butylbenzene	8.46	0.054	5.0	
135-98-8	sec-Butylbenzene	10.4	0.084	1.0	
98-06-6	tert-Butylbenzene	10.2	0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)	10.2	0.075	0.50	
75-15-0	Carbon Disulfide	9.54	1.0	4.0	V-20
56-23-5	Carbon Tetrachloride	9.91	0.10	5.0	
108-90-7	Chlorobenzene	9.44	0.12	1.0	
124-48-1	Chlorodibromomethane	9.21	0.054	0.50	
75-00-3	Chloroethane	10.2	0.16	2.0	
67-66-3	Chloroform	10.4	0.14	2.0	
74-87-3	Chloromethane	7.67	0.32	2.0	
95-49-8	2-Chlorotoluene	9.62	0.070	1.0	
106-43-4	4-Chlorotoluene	10.1	0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	8.99	0.34	5.0	
106-93-4	1,2-Dibromoethane (EDB)	10.0	0.089	0.50	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B079026-BSD1	File ID:	VB233005.D
Sampled:		Prepared:	08/19/13 08:35	Analyzed:	08/21/13 07:04
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
74-95-3	Dibromomethane	10.6	0.070	1.0	
95-50-1	1,2-Dichlorobenzene	9.71	0.076	1.0	
541-73-1	1,3-Dichlorobenzene	9.98	0.079	1.0	
106-46-7	1,4-Dichlorobenzene	9.87	0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene	8.44	0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	7.03	0.12	2.0	
75-34-3	1,1-Dichloroethane	10.4	0.16	1.0	
107-06-2	1,2-Dichloroethane	11.3	0.19	1.0	
75-35-4	1,1-Dichloroethylene	10.8	0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.5	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene	11.6	0.15	1.0	V-20
78-87-5	1,2-Dichloropropane	10.0	0.11	1.0	
142-28-9	1,3-Dichloropropane	10.2	0.099	0.50	
594-20-7	2,2-Dichloropropane	10.8	0.072	1.0	V-20
563-58-6	1,1-Dichloropropene	10.4	0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene	8.81	0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene	8.88	0.056	5.0	
60-29-7	Diethyl Ether	9.30	0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)	10.9	0.18	0.50	
123-91-1	1,4-Dioxane	64.4	26	50	V-16, V-05
100-41-4	Ethylbenzene	9.66	0.092	1.0	
87-68-3	Hexachlorobutadiene	9.49	0.17	1.0	
591-78-6	2-Hexanone (MBK)	87.4	1.5	10	
98-82-8	Isopropylbenzene (Cumene)	9.81	0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	10.7	0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	11.1	0.090	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Water	Laboratory ID:	B079026-BSD1	File ID:	VB233005.D
Sampled:		Prepared:	08/19/13 08:35	Analyzed:	08/21/13 07:04
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
75-09-2	Methylene Chloride	10.8	3.2	5.0	V-20
108-10-1	4-Methyl-2-pentanone (MIBK)	91.4	1.5	10	
91-20-3	Naphthalene	10.5	0.12	5.0	
103-65-1	n-Propylbenzene	10.1	0.094	1.0	
100-42-5	Styrene	10.1	0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane	9.44	0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	8.94	0.12	0.50	
127-18-4	Tetrachloroethylene	10.6	0.080	1.0	
109-99-9	Tetrahydrofuran	8.96	1.1	10	V-05
108-88-3	Toluene	9.71	0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene	9.78	0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene	9.43	0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene	7.62	0.14	1.0	V-05
71-55-6	1,1,1-Trichloroethane	10.2	0.094	1.0	
79-00-5	1,1,2-Trichloroethane	10.1	0.12	1.0	
79-01-6	Trichloroethylene	10.1	0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	10.4	0.15	2.0	
96-18-4	1,2,3-Trichloropropane	9.39	0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	10.6	0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene	10.9	0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene	10.1	0.10	1.0	
75-01-4	Vinyl Chloride	8.17	0.13	2.0	
108383/106423	m+p Xylene	19.9	0.18	2.0	
95-47-6	o-Xylene	10.1	0.11	1.0	

Quantitation Report (QT Reviewed)

Data File : W:\DATA\082113\VB233005.D Vial: 5
Acq On : 21 Aug 2013 7:04 am Operator:
Sample : B0-BSD1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 21 12:17:26 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 12:16:21 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	3.954	168	113102	30.00	UG/L		0.00
42) 1,4-DIFLOUROBENZENE - ...	4.679	114	162394	30.00	UG/L		0.00
63) CHLOROBENZENE-D5 ISTD	7.518	82	91248	30.00	UG/L		0.00
82) 1,4-DICHLOROBENZENE-D4...	9.816	152	80331	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.224	65	67407	26.66	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.64%				
43) TOLUENE-D8 SS	6.121	98	169822	25.49	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.96%				
64) 4-BROMOFLUROBENZENE SS	8.681	95	70912	24.87	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.48%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.029	85	13600	7.031	UG/L		98
4) DIFLUOROCHLOROMETHANE	1.034	51	18811	7.543	UG/L		96
5) CHLOROMETHANE	1.126	50	15040	7.668	UG/L		97
6) VINYL CHLORIDE	1.185	62	13475	8.171	UG/L		98
7) BROMOMETHANE	1.366	94	6091	6.640	UG/L		94
8) CHLOROETHANE	1.422	64	7905	10.219	UG/L		99
9) FLUORODICHLOROMETHANE	1.531	67	26238	10.048	UG/L		100
10) TRICHLOROFLUOROMETHANE	1.567	101	23971	10.394	UG/L		99
11) ETHANOL	1.737	45	7756	639.863	UG/L	#	52
12) DI ETHYL ETHER	1.740	59	11071	9.299	UG/L		97
13) ACROLEIN	1.821	56	18107	84.405	UG/L	#	99
14) ACETONE	1.918	43	43192	82.377	UG/L		94
15) 1,1-DICHLOROETHENE	1.885	61	21877	10.786	UG/L		94
16) 1,1,2-TRICL-1,2,2-TRIF...	1.885	101	10844	10.565	UG/L		100
17) IODOMETHANE	1.991	142	16397	6.707	UG/L		98
18) METHYL ACETATE	2.144	43	10441	8.082	UG/L		95
19) T-BUTYL ALCOHOL	2.314	59	11173	77.915	UG/L		98
20) ACRYLONITRILE	2.417	53	6275	9.933	UG/L		98
21) METHYLENE CHLORIDE	2.219	49	19817	10.846	UG/L		92
22) CARBON DISULFIDE	2.038	76	28774	9.544	UG/L	#	92
23) METHYL TERT-BUTYL ETHE...	2.442	73	47285	11.101	UG/L		99
24) TRANS 1,2-DICHLOROETHENE	2.437	61	23948	11.642	UG/L		97
25) 1,1-DICHLOROETHANE	2.813	63	30083	10.414	UG/L		99
26) VINYL ACETATE	2.869	43	363862	96.617	UG/L	#	90
27) DI ISOPROPYL ETHER	2.889	45	54276	10.890	UG/L		90
28) 2-BUTANONE	3.430	43	70238	85.363	UG/L		94
29) T-BUTYL ETHYL ETHER	3.262	59	48126	10.238	UG/L		97
30) CIS-1,2-DICHLOROETHENE	3.399	61	27514	10.468	UG/L		95
31) 2,2-DICHLOROPROPANE	3.393	77	21546	10.801	UG/L		98
32) ETHYL ACETATE	3.502	43	13913	6.986	UG/L		97
33) BROMOCHLOROMETHANE	3.639	128	7746	10.261	UG/L		90
34) TETRAHYDROFURAN	3.692	42	4258	8.955	UG/L	#	61
35) CHLOROFORM	3.731	83	31322	10.421	UG/L		99
36) 1,1,1-TRICHLOROETHANE	3.901	97	25510	10.207	UG/L		97
37) CYCLOHEXANE	3.954	56	23154	9.804	UG/L		97
38) CARBON TETRACHLORIDE	4.063	117	20807	9.911	UG/L		99
39) 1,1-DICHLOROPROPENE	4.071	75	22860	10.367	UG/L		97
40) BENZENE	4.275	78	61132	9.475	UG/L		98
41) T-AMYLMETHYL ETHER	4.408	73	38880	9.669	UG/L	#	90
44) 1,2-DICHLOROETHANE	4.297	62	30770	11.273	UG/L		98
45) TRICHLOROETHENE	4.919	95	15979	10.077	UG/L		98
46) METHYLCYCLOHEXANE	5.100	83	16002	10.685	UG/L		95
47) 1,2-DICHLOROPROPANE	5.139	63	15944	10.010	UG/L		93
48) DIBROMOMETHANE	5.251	93	10766	10.563	UG/L		97
49) 1,4-DIOXANE	5.298	88	932	64.379	UG/L	#	61
50) BROMODICHLOROMETHANE	5.424	83	20759	10.172	UG/L		99
52) MIBK	6.037	43	149082	91.359	UG/L	#	90
53) CIS-1,3-DICHLOROPROPENE	5.867	75	22160	8.810	UG/L		94
54) TOLUENE	6.185	91	65923	9.709	UG/L		98

Data File : W:\DATA\082113\VB233005.D Vial: 5
Acq On : 21 Aug 2013 7:04 am Operator:
Sample : B0-BSD1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 21 12:17:26 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 12:16:21 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

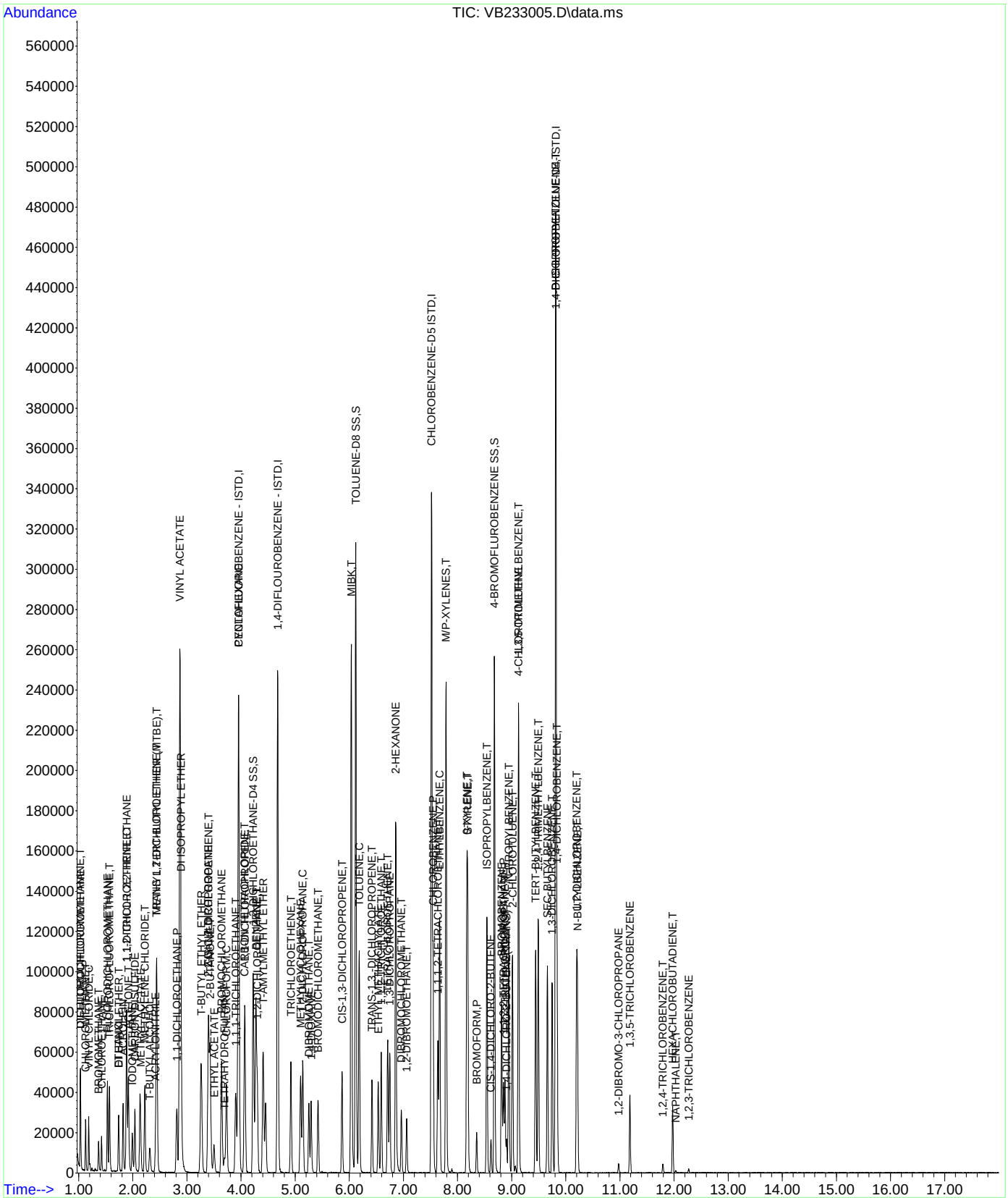
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) TRANS-1,3,-DICHLOROPRO...	6.419	75	20400	8.884	UG/L		95
56) ETHYL METHACRYLATE	6.533	41	13894	17.441	UG/L		98
57) 1,1,2-TRICHLOROETHANE	6.589	97	14494	10.079	UG/L		98
58) 2-HEXANONE	6.857	43	97226	87.366	UG/L	#	91
59) TETRACHLOROETHENE	6.709	164	12893	10.574	UG/L		98
60) 1,3-DICHLOROPROPANE	6.748	76	26813	10.211	UG/L		94
61) DIBROMOCHLOROMETHANE	6.960	129	13567	9.210	UG/L		98
62) 1,2-DIBROMOETHANE	7.058	107	15203	10.017	UG/L	#	99
65) CHLOROBENZENE	7.548	112	44006	9.442	UG/L		95
66) 1,1,1,2-TETRACHLOROETHANE	7.638	131	14961	9.438	UG/L		99
67) ETHYLBENZENE	7.668	91	76167	9.664	UG/L		96
68) M/P-XYLENES	7.786	91	123154	19.871	UG/L		94
69) 0-XYLENE	8.170	91	65309	10.084	UG/L		96
70) STYRENE	8.187	104	47598	10.059	UG/L		96
71) BROMOFORM	8.354	173	7677	9.190	UG/L	#	97
72) ISOPROPYLBENZENE	8.541	105	69215	9.808	UG/L		97
73) CIS-1,4-DICHLORO-2-BUTENE	8.614	53	3681	9.809	UG/L	#	65
74) 1,1,2,2-TETRACHLOROETHANE	8.848	83	17573	8.938	UG/L		100
75) 1,4-DICHLORO-2-BUTENE(...	8.907	53	3326	8.438	UG/L	#	72
76) BROMOBENZENE	8.812	77	31209	9.504	UG/L		97
77) 1,2,3-TRICHLOROPROPANE	8.876	110	6178	9.394	UG/L		79
78) N-PROPYLBENZENE	8.948	91	78963	10.117	UG/L		95
79) 2-CHLOROT0LUENE	9.015	91	54290	9.623	UG/L		95
80) 1,3,5-TRIMETHYLBENZENE	9.127	105	60210	10.089	UG/L		97
81) 4-CHLOROTOLUENE	9.124	91	63685	10.092	UG/L		95
83) TERT-BUTYLBENZENE	9.442	119	45327	10.175	UG/L		96
84) 1,2,4-TRIMETHYLBENZENE	9.492	105	62189	10.878	UG/L		96
85) SEC-BUTYLBENZENE	9.659	105	59699	10.374	UG/L		98
86) 1,3-DICHLOROBENZENE	9.746	146	33164	9.977	UG/L		99
87) P-ISOPROPYLTOLUENE	9.810	119	52089	10.724	UG/L		98
88) 1,4-DICHLOROBENZENE	9.835	146	33293	9.866	UG/L		98
89) N-BUTYLBENZENE	10.214	91	34649	8.459	UG/L		96
90) 1,2-DICHLOROBENZENE	10.200	146	31190	9.712	UG/L		99
91) 1,2-DIBROMO-3-CHLOROPR...	10.973	75	1109	8.987	UG/L		92
92) 1,3,5-TRICHLOROBENZENE	11.185	180	11326	7.624	UG/L		99
93) 1,2,4-TRICHLOROBENZENE	11.790	180	1677	9.426	UG/L	#	87
94) HEXACHLOROBUTADIENE	11.971	225	6491	9.488	UG/L		97
95) NAPHTHALENE	12.033	128	1323	10.544	UG/L	#	69
96) 1,2,3-TRICHLOROBENZENE	12.272	180	736	9.784	UG/L	#	79

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

Quantitation Report (QT Reviewed)

Data File : W:\DATA\082113\VB233005.D Vial: 5
Acq On : 21 Aug 2013 7:04 am Operator:
Sample : B0-BSD1 Inst : GCMSVOA2
InstName : GCMSVOA2
Misc : Multiplr: 1.00
Quant Time: Aug 21 12:17:26 2013

Quant Method : C:\MSDCHEM\1\METHODS\B0813W13.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Aug 21 12:16:21 2013
Response via : Initial Calibration
DataAcq Meth:B0723W13.M

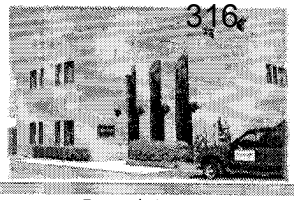


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Sample Receipt Checklist



CLIENT NAME: CDM Smith RECEIVED BY: PB DATE: 8.14.13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

2) **Does the chain agree with the samples?** (Yes) No
If not, explain:

3) **Are all the samples in good condition?** (Yes) No
If not, explain:

4) **How were the samples received:**
On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank 2 Temperature °C by Temp gun _____

5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** (Yes) No
Who was notified Lucy Date _____ Time _____

7) **Location where samples are stored:** Log In

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** (Yes) No N/A _____

9) **Do all samples have the proper Base pH:** (Yes) No N/A _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)	12	2 oz amber/clear jar	
1 Liter Plastic	6	Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic	30	Plastic Bag / Ziploc	
40 mL Vial - type listed below	27	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl 27 # Methanol _____ Time and Date Frozen:
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved

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ICP

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1 - FORM I
ANALYSIS DATA SHEET
MW-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-01
Sampled:	08/13/13 08:25		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	0.51	0.026	0.050	1		B078766	08/15/13 18:59	SW-846 6010C

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET
MW-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-02
Sampled:	08/13/13 09:45		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	1.1	0.026	0.050	1		B078766	08/15/13 19:04	SW-846 6010C

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET
MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-03
Sampled:	08/13/13 11:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	1.8	0.026	0.050	1		B078766	08/15/13 19:29	SW-846 6010C

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET
MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-04
Sampled:	08/13/13 12:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	2.2	0.026	0.050	1		B078766	08/15/13 19:35	SW-846 6010C

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET
MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-07
Sampled:	08/13/13 14:10		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	0.087	0.026	0.050	1		B078766	08/15/13 19:40	SW-846 6010C

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET
MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08
Sampled:	08/13/13 15:25		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron		0.026	0.050	1		B078766	08/15/13 19:45	SW-846 6010C

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INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	ICP1	Calibration:	UNASSIGNED
		Sequence:	S004583

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S004583-ICV1	Iron	1.00	1.01	101	mg/L	+/- 10.00%
S004583-CCV1	Iron	5.00	4.93	98.6	mg/L	+/- 10.00%
S004583-CCV2	Iron	5.00	5.14	103	mg/L	+/- 10.00%
S004583-CCV3	Iron	5.00	4.96	99.2	mg/L	+/- 10.00%
S004583-CCV4	Iron	5.00	4.89	97.8	mg/L	+/- 10.00%

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LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010C

Laboratory: Con-Test Analytical Laboratory
SDG: 13H0490
Client: CDM Smith, Inc. - NY
Project: Buffalo, NY
Calibration: UNASSIGNED
Laboratory ID: S004583-LCV1
Sequence: S004583
Standard ID: 1308029

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Iron	0.0500	0.0483	-3.4	30.00

* Values outside of QC limits

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BLANKS

SW-846 6010C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S004583		

Lab Sample ID	Analyte	Found	Units	RL	C
S004583-CCB1	Iron	0.0015	mg/L	0.050	U
S004583-CCB2	Iron	0.031	mg/L	0.050	J
B078766-BLK1	Iron	0.028	mg/L	0.050	J
S004583-CCB3	Iron	0.011	mg/L	0.050	U
S004583-CCB4	Iron	0.0073	mg/L	0.050	U

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INTERFERENCE CHECK SAMPLE

SW-846 6010C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	ICP1	Calibration:	UNASSIGNED
Sequence:	S004583		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S004583-IFA1	Iron	0.05	100	95.13	95.1	mg/L
S004583-IFB1	Iron	0.05	100	95.37	95.4	mg/L
S004583-IFA2	Iron	0.05	100	95.27	95.3	mg/L
S004583-IFB2	Iron	0.05	100	94.96	95.0	mg/L
S004583-IFA3	Iron	0.05	100	94.26	94.3	mg/L
S004583-IFB3	Iron	0.05	100	89.73	89.7	mg/L

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010C

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SW-846 3005A
Batch:	B078766	Laboratory ID:	B078766-BS1
Column:		Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Iron	2.00	1.98	99.0	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Iron	2.00	2.01	100	1.42	20	80 - 120

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METHOD DETECTION AND REPORTING LIMITS

Laboratory: Con-Test Analytical Laboratory
Work Order: 13H0490
Client: CDM Smith, Inc. - NY
Matrix: Water
Instrument: ICP1

Analyte	MDL	MRL	Units	Method
Iron	0.026	0.050	mg/L	SW-846 6010C

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PREPARATION BATCH SUMMARY

SW-846 6010C

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Batch:	B078766	Batch Matrix:	Water	Preparation:	SW-846 3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-01_08-13-13	13H0490-01	08/14/13 12:58	50.00	50.00
MW-02_08-13-13	13H0490-02	08/14/13 12:58	50.00	50.00
MW-08_08-13-13	13H0490-03	08/14/13 12:58	50.00	50.00
MW-03_08-13-13	13H0490-04	08/14/13 12:58	50.00	50.00
MW-07_08-13-13	13H0490-07	08/14/13 12:58	50.00	50.00
MW-05_08-13-13	13H0490-08	08/14/13 12:58	50.00	50.00
Blank	B078766-BLK1	08/14/13 12:58	50.00	50.00
LCS	B078766-BS1	08/14/13 12:58	50.00	50.00
LCS Dup	B078766-BSD1	08/14/13 12:58	50.00	50.00

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SAMPLE DATA

ANALYSIS SEQUENCE

S004583

Instrument: ICP1

Calibnration ID: UNASSIGNED

Printed: 8/26/2013 2:25:42PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
S004583-ICV1	QC		1		1308071	1308132		
S004583-CCB1	QC		2		1305290	1308132		
S004583-LCV1	QC		3		1308029	1308132		
S004583-CCV1	QC		4		1308193	1308132		
S004583-IFA1	QC		5		1308086	1308132		
S004583-IFB1	QC		6		1308087	1308132		
S004583-IFA2	QC		7		1308086	1308132		
S004583-IFB2	QC		8		1308087	1308132		
S004583-CCV2	QC		9		1308193	1308132		
S004583-CCB2	QC		10		1305290	1308132		
B078766-BLK1	QC		11			1308132		
B078766-BS1	QC		12			1308132		
B078766-BSD1	QC		13			1308132		
13H0490-01	Iron 6010 Total	E	14			1308132		
13H0490-02	Iron 6010 Total	E	15			1308132		
S004583-CCV3	QC		16		1308193	1308132		
S004583-CCB3	QC		17		1305290	1308132		
13H0490-03	Iron 6010 Total	E	18			1308132		
13H0490-04	Iron 6010 Total	E	19			1308132		
13H0490-07	Iron 6010 Total	E	20			1308132		
13H0490-08	Iron 6010 Total	E	21			1308132		
S004583-CCV4	QC		22		1308193	1308132		
S004583-CCB4	QC		23		1305290	1308132		

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S004583

Instrument: ICP1

Calibnration ID: UNASSIGNED

Printed: 8/26/2013 2:25:42PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
S004583-IFA3	QC		24		1308086	1308132		
S004583-IFB3	QC		25		1308087	1308132		

Samples Loaded By Date

Data Processed By Date

PREPARATION BENCH SHEET

Prepared: 08/14/13 12:58 | B078766 | **Printed: 8/14/2013 1:34:09PM**

Matrix: Water

Con-Test Analytical Laboratory

Prepared using: METALS - SW-846 3005A

Sample ID	Sample ID and Source Sample	AMT DIGESTED mL g L	Final Vol (mL)	Due Date	Spike Amount uL 1 | 2	Comments
B078766-BLK1	Blank	50	50		|	
B078766-BS1	LCS	50	50		1000 |	
B078766-BSD1	LCS Dup	50	50		1000 |	
B078766-DUP1	Duplicate [13H0450-04]	50	50		|	
B078766-MS1	Matrix Spike [13H0450-04]	50	50		1000 |	
13H0450-04	EB-8/12/2013	50	50			
13H0490-01	MW-01_08-13-13	50	50			
13H0490-02	MW-02_08-13-13	50	50			
13H0490-03	MW-08_08-13-13	50	50			
13H0490-04	MW-03_08-13-13	50	50			
13H0490-07	MW-07_08-13-13	50	50			
13H0490-08	MW-05_08-13-13	50	50			

Fe Mg

Standard(s):
1307054 QC Standard 26 metals 1000 uL

Standard ID#	Description	Manufacture Lot#
1303275	Hydrochloric Acid 36.5-38%	RR-0113-003
1306140	Nitric Acid 69-70%	RR-0413-020

Sr # 1 @ 95.1C

Eppe 4652205

Spike witness _____ 8-14-13

Prepped w/B078765 Bottled water

KSA 8.14.13
Prepared By Date

AMP 8/16/13
Preparation Reviewed By Date

OPTIMA 1
08/15/13
ANALYST:OP

Sample ID	Elem	Conc (Samp)	Samp Units	QC Recovery	Date	Time	Int (Corr)	RSD (Corr Int)	Conc (Samp)1	Conc (Samp)2	Conc (Samp)3
Calib Blank 1	Y		%		8/15/2013	7:59:47 AM	6251876	1			
Calib Blank 1	Y		%		8/15/2013	7:58:34 AM	209632	1			
Calib Blank 1	Fe		mg/L		8/15/2013	7:58:54 AM	6	37			
S1-17	Y		%		8/15/2013	8:03:14 AM	6021010	0			
S1-17	Y		%		8/15/2013	8:02:18 AM	204044	0			
S1-17	Fe		mg/L		8/15/2013	8:02:18 AM	41430	0			
SEQ-ICV	Y		%		8/15/2013	8:26:11 AM	6167939	0			
SEQ-ICV	Y		%		8/15/2013	8:25:16 AM	202215	0			
SEQ-ICV	Fe	1.0135	mg/L	101	8/15/2013	8:25:18 AM	4194	2	1.0235	0.9939	1.0231
SEQ-ICB/CCB	Y		%		8/15/2013	8:31:10 AM	6279846	0			
SEQ-ICB/CCB	Y		%		8/15/2013	8:29:57 AM	208806	1			
SEQ-ICB/CCB	Fe	0.0015	mg/L		8/15/2013	8:30:17 AM	6	25	0.0019	0.0016	0.0011
SEQ-LCV	Y		%		8/15/2013	8:38:08 AM	6370346	0			
SEQ-LCV	Y		%		8/15/2013	8:36:54 AM	210884	2			
SEQ-LCV	Fe	0.0483	mg/L	97	8/15/2013	8:37:15 AM	200	1	0.0490	0.0483	0.0476
SEQ-CCV 17	Y		%		8/15/2013	8:47:36 AM	6220353	1			
SEQ-CCV 17	Y		%		8/15/2013	8:46:21 AM	203255	1			
SEQ-CCV 17	Fe	4.9299	mg/L	99	8/15/2013	8:46:21 AM	20405	1	4.8809	4.9628	4.9461
SEQ-IFA	Y		%		8/15/2013	9:12:45 AM	5431142	0			
SEQ-IFA	Y		%		8/15/2013	9:11:32 AM	190095	1			
SEQ-IFA	Fe	95.1349	mg/L	95	8/15/2013	9:11:32 AM	392856	1	94.5493	95.3570	95.4984
SEQ-IFB	Y		%		8/15/2013	9:18:12 AM	5492837	1			
SEQ-IFB	Y		%		8/15/2013	9:16:59 AM	186846	0			
SEQ-IFB	Fe	95.3661	mg/L	95	8/15/2013	9:16:59 AM	393815	0	94.9979	95.4971	95.6034
SEQ-IFA	Y		%		8/15/2013	4:48:44 PM	5505405	0			
SEQ-IFA	Y		%		8/15/2013	4:47:30 PM	192118	1			
SEQ-IFA	Fe	95.2686	mg/L	95	8/15/2013	4:47:30 PM	393407	0	94.8985	95.4456	95.4618
SEQ-IFB	Y		%		8/15/2013	4:54:10 PM	5515236	1			
SEQ-IFB	Y		%		8/15/2013	4:52:57 PM	190289	1			
SEQ-IFB	Fe	94.9621	mg/L	95	8/15/2013	4:52:57 PM	392152	1	94.4265	95.3514	95.1084
SEQ-CCV 17	Y		%		8/15/2013	6:05:47 PM	6210383	1			
SEQ-CCV 17	Y		%		8/15/2013	6:04:32 PM	207748	1			
SEQ-CCV 17	Fe	5.1448	mg/L	103	8/15/2013	6:04:32 PM	21294	0	5.1576	5.1437	5.1330
SEQ-ICB/CCB	Y		%		8/15/2013	6:21:04 PM	6273080	0			
SEQ-ICB/CCB	Y		%		8/15/2013	6:19:51 PM	207333	1			
SEQ-ICB/CCB	Fe	0.0306	mg/L		8/15/2013	6:20:11 PM	127	2	0.0307	0.0311	0.0299
B078766-BLK1	Y		%		8/15/2013	6:25:28 PM	6286024	0			
B078766-BLK1	Y		%		8/15/2013	6:24:15 PM	207714	1			
B078766-BLK1	Fe	0.0280	mg/L		8/15/2013	6:24:35 PM	116	3	0.0287	0.0272	0.0281
B078766-BS1	Y		%		8/15/2013	6:28:59 PM	6132608	1			
B078766-BS1	Y		%		8/15/2013	6:28:02 PM	204241	1			
B078766-BS1	Fe	1.9801	mg/L		8/15/2013	6:28:04 PM	8193	1	1.9523	2.0045	1.9835
B078766-BSD1	Y		%		8/15/2013	6:33:31 PM	6141397	1			
B078766-BSD1	Y		%		8/15/2013	6:32:34 PM	203375	1			
B078766-BSD1	Fe	2.0083	mg/L		8/15/2013	6:32:36 PM	8310	0	2.0180	1.9981	2.0089
13H0490-01	Y		%		8/15/2013	7:02:17 PM	5751350	1			
13H0490-01	Y		%		8/15/2013	7:01:04 PM	199714	1			
13H0490-01	Fe	0.5121	mg/L		8/15/2013	7:01:24 PM	1990	0	0.5105	0.5127	0.5131
13H0490-02	Y		%		8/15/2013	7:07:42 PM	5712177	1			
13H0490-02	Y		%		8/15/2013	7:06:29 PM	196486	0			
13H0490-02	Fe	1.1397	mg/L		8/15/2013	7:06:49 PM	4560	1	1.1470	1.1350	1.1372
SEQ-CCV 17	Y		%		8/15/2013	7:13:10 PM	6192081	1			
SEQ-CCV 17	Y		%		8/15/2013	7:11:55 PM	207946	1			
SEQ-CCV 17	Fe	4.9611	mg/L	99	8/15/2013	7:11:55 PM	20534	1	4.9117	4.9875	4.9842
SEQ-ICB/CCB	Y		%		8/15/2013	7:28:27 PM	6343376	1			
SEQ-ICB/CCB	Y		%		8/15/2013	7:27:14 PM	208900	2			
SEQ-ICB/CCB	Fe	0.0110	mg/L		8/15/2013	7:27:34 PM	46	6	0.0109	0.0105	0.0117
13H0490-03	Y		%		8/15/2013	7:32:52 PM	5740178	0			
13H0490-03	Y		%		8/15/2013	7:31:38 PM	197606	0			
13H0490-03	Fe	1.7507	mg/L		8/15/2013	7:31:58 PM	7122	1	1.7572	1.7396	1.7553
13H0490-04	Y		%		8/15/2013	7:38:18 PM	5752151	1			
13H0490-04	Y		%		8/15/2013	7:37:05 PM	195092	0			
13H0490-04	Fe	2.1546	mg/L		8/15/2013	7:37:25 PM	8738	1	2.1436	2.1732	2.1469
13H0490-07	Y		%		8/15/2013	7:43:51 PM	5684565	1			
13H0490-07	Y		%		8/15/2013	7:42:36 PM	198741	0			
13H0490-07	Fe	0.0867	mg/L		8/15/2013	7:42:58 PM	256	4	0.0845	0.0861	0.0895
13H0490-08	Y		%		8/15/2013	7:48:16 PM	5843248	0			
13H0490-08	Y		%		8/15/2013	7:47:03 PM	197825	0			
13H0490-08	Fe	0.0454	mg/L		8/15/2013	7:47:23 PM	54	6	0.0449	0.0449	0.0464
SEQ-CCV 17	Y		%		8/15/2013	7:53:43 PM	6176708	1			
SEQ-CCV 17	Y		%		8/15/2013	7:52:28 PM	204680	1			
SEQ-CCV 17	Fe	4.8905	mg/L	98	8/15/2013	7:52:28 PM	20241	1	4.8506	4.8991	4.9219
SEQ-ICB/CCB	Y		%		8/15/2013	8:04:33 PM	6293349	0			

OPTIMA 1
08/15/13
ANALYST:OP

Sample ID	Elem	Conc (Samp)	Samp Units	QC Recovery	Date	Time	Int (Corr)	RSD (Corr Int)	Conc (Samp)1	Conc (Samp)2	Conc (Samp)3
SEQ-ICB/CCB	Y		%		8/15/2013	8:03:20 PM	205311	1			
SEQ-ICB/CCB	Fe	0.0073	mg/L		8/15/2013	8:03:40 PM	30	11	0.0081	0.0065	0.0073
SEQ-IFA	Y		%		8/15/2013	8:13:23 PM	5523074	0			
SEQ-IFA	Y		%		8/15/2013	8:12:10 PM	191919	1			
SEQ-IFA	Fe	94.2581	mg/L	94	8/15/2013	8:12:10 PM	389229	0	93.7747	94.3299	94.6699
SEQ-IFB	Y		%		8/15/2013	8:18:51 PM	5665037	1			
SEQ-IFB	Y		%		8/15/2013	8:17:38 PM	196292	1			
SEQ-IFB	Fe	89.7263	mg/L	90	8/15/2013	8:17:38 PM	370514	1	89.1206	89.7973	90.2610

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SAMPLE DATA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET
MW-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-01
Sampled:	08/13/13 08:25		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	400	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	150	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron		0.12	0.20	1		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N	0.37	0.015	0.050	5		B078797	08/14/13 14:25	SM 18-20 4500 NO2
14808-79-8	Sulfate	130	8.0	10	5		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	L-03	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	12	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1200		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

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1 - FORM I
ANALYSIS DATA SHEET
MW-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-02
Sampled:	08/13/13 09:45		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	290	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	350	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron	0.30	0.12	0.20	1		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N		0.0030	0.010	1		B078797	08/14/13 14:25	SM 18-20 4500 NO2
14808-79-8	Sulfate	23	1.6	2.0	1		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	L-03	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	2.2	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1500		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

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1 - FORM I
ANALYSIS DATA SHEET
MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-03
Sampled:	08/13/13 11:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	430	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	180	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron	0.21	0.12	0.20	1		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3 F
14797-65-0	Nitrite as N		0.0030	0.010	1		B078797	08/14/13 14:25	SM 18-20 4500 NO2 B
14808-79-8	Sulfate	100	8.0	10	5		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	L-03	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	5.3	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1300		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

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1 - FORM I
ANALYSIS DATA SHEET
MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-04
Sampled:	08/13/13 12:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	620	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	95	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron	1.9	0.25	0.40	2		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3 F
14797-65-0	Nitrite as N	0.020	0.0030	0.010	1		B078797	08/14/13 14:25	SM 18-20 4500 NO2 B
14808-79-8	Sulfate	120	8.0	10	5		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	L-03	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	7.3	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1400		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

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1 - FORM I
ANALYSIS DATA SHEET
MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-07
Sampled:	08/13/13 14:10		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	560	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	190	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron		0.12	0.20	1		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N		0.0030	0.010	1		B078797	08/14/13 14:25	SM 18-20 4500 NO2
14808-79-8	Sulfate	31	1.6	2.0	1		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	L-03	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	4.7	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1500		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

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1 - FORM I
ANALYSIS DATA SHEET
MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08
Sampled:	08/13/13 15:25		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	340	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	39	0.70	1.0	1		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron		0.12	0.20	1		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N	1.5	0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N		0.0030	0.010	1		B078797	08/14/13 14:25	SM 18-20 4500 NO2
14808-79-8	Sulfate	77	3.2	4.0	2		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	L-03	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	3.0	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	790		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

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INITIAL AND CONTINUING CALIBRATION CHECK

SM 18-20 4500 NO2 B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Instrument ID:	INST	Calibration:	
		Sequence:	

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
B078797-CCV1	Nitrite as N	0.100	0.108	108	mg/L	+/- 15.00%

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Analysis:	SM 18-20 4500 NO2 B
Batch:	B078797	Preparation:	NO PREP
% Solids:		Laboratory ID:	B078797-MS1
Column:		Sample Lab ID:	13H0490-08

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Nitrite as N	0.100	ND	0.096	95.7	78 - 110

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Analysis:	SM 5310B
Batch:	B079021	Preparation:	NO PREP
% Solids:		Laboratory ID:	B079021-MS2
Column:		Sample Lab ID:	13H0490-07

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Total Organic Carbon	5.00	4.65	10.3	113	42.3 - 156

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DUPLICATES

MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Laboratory ID:	B078797-DUP1
Batch:	B078797	Initial/Final:	50 mL / 50 mL
Preparation:	NO PREP	Analysis:	SM 18-20 4500 NO2 B

% Solids:

ANALYTE	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	CONTROL LIMIT
Nitrite as N	ND	ND			17.1

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DUPLICATES

MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Laboratory ID:	B079021-DUP1
Batch:	B079021	Initial/Final:	50 mL / 50 mL
Preparation:	NO PREP	Analysis:	SM 5310B

% Solids:

ANALYTE	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	CONTROL LIMIT
Total Organic Carbon	4.65	4.94	5.88		20.8

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SM 18-20 4500 NO2 B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	NO PREP
Batch:	B078797	Laboratory ID:	B078797-BS1
Column:		Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrite as N	0.100	0.10	99.7	93.5 - 108

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Nitrite as N	0.100	0.10	103	3.58	5.38	93.5 - 108

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SM18-20 4500S-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	NO PREP
Batch:	B078828	Laboratory ID:	B078828-BS1
Column:		Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.		QC LIMITS REC.
Sulfide	14.9	6.0	40.3	*	85 - 115

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

ASTM D516-90, 02

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	NO PREP
Batch:	B078870	Laboratory ID:	B078870-BS1
Column:		Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfate	20.0	19	93.8	80.5 - 116

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfate	20.0	19	96.6	2.89	11	80.5 - 116

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SM18-20 2510B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	NO PREP
Batch:	B078961	Laboratory ID:	B078961-BS1
Column:		Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (µmhos/cm)	LCS CONCENTRATION (µmhos/cm)	LCS % REC.	QC LIMITS REC.
Specific conductance	147	140	98.1	86.7 - 102

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SM18-20 2320B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	NO PREP
Batch:	B078962	Laboratory ID:	B078962-BS1
Column:		Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity	52.3	53	101	85.9 - 108

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Alkalinity	52.3	52	99.4	2.00	3.52	85.9 - 108

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SM 5310B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	NO PREP
Batch:	B079021	Laboratory ID:	B079021-BS1
Column:		Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Total Organic Carbon	10.0	9.23	92.3	90.2 - 110

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Total Organic Carbon	10.0	9.21	92.1	0.293	7.59	90.2 - 110

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SM18-20 4500 CL B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	NO PREP
Batch:	B079056	Laboratory ID:	B079056-BS1
Column:		Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	13.0	12	94.4	84.4 - 115

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Chloride	13.0	12	94.4	0.00	8.29	84.4 - 115

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SM 18-20 4500 NO3 F

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	SM 4500 NO3-F
Batch:	B079065	Laboratory ID:	B079065-BS1
Column:		Initial/Final:	25 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate as N	4.78	4.7	98.7	92.8 - 107

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Nitrate as N	4.78	4.7	97.9	0.851	3.97	92.8 - 107

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3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SM18-20 3500 Fe D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Water	Preparation:	NO PREP
Batch:	B079077	Laboratory ID:	B079077-BS1
Column:		Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ferrous Iron	0.796	0.81	102	85.4 - 109

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Ferrous Iron	0.796	0.79	99.1	2.59	3.71	85.4 - 109

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METHOD DETECTION AND REPORTING LIMITS

Laboratory: Con-Test Analytical Laboratory
Work Order: 13H0490
Client: CDM Smith, Inc. - NY
Matrix: Water
Instrument: Inst

Analyte	MDL	MRL	Units	Method
Sulfate	1.6	2.0	mg/L	ASTM D516-90, 02
Nitrite as N	0.0030	0.010	mg/L	M 18-20 4500 NO2
Nitrate as N	0.030	0.050	mg/L	M 18-20 4500 NO3
Total Organic Carbon	0.67	1.0	mg/L	SM 5310B
Alkalinity	0.79	1.0	mg/L	SM18-20 2320B
Specific conductance		2.0	µmhos/cm	SM18-20 2510B
Ferrous Iron	0.029	0.20	mg/L	SM18-20 3500 Fe D
Chloride	0.70	1.0	mg/L	SM18-20 4500 CL E
Sulfide	1.9	2.0	mg/L	SM18-20 4500S-E

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PREPARATION BATCH SUMMARY

SM 18-20 4500 NO2 B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Batch:	B078797 Batch Matrix: Water	Preparation:	NO PREP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-01_08-13-13	13H0490-01	08/14/13 14:25	10.00	50.00
MW-02_08-13-13	13H0490-02	08/14/13 14:25	50.00	50.00
MW-08_08-13-13	13H0490-03	08/14/13 14:25	50.00	50.00
MW-03_08-13-13	13H0490-04	08/14/13 14:25	50.00	50.00
MW-07_08-13-13	13H0490-07	08/14/13 14:25	50.00	50.00
MW-05_08-13-13	13H0490-08	08/14/13 14:25	50.00	50.00
Blank	B078797-BLK1	08/14/13 14:25	50.00	50.00
LCS	B078797-BS1	08/14/13 14:25	50.00	50.00
LCS Dup	B078797-BSD1	08/14/13 14:25	50.00	50.00
Calibration Check	B078797-CCV1	08/14/13 14:25	50.00	50.00
MW-05_08-13-13	B078797-DUP1	08/14/13 14:25	50.00	50.00
MW-05_08-13-13	B078797-MS1	08/14/13 14:25	50.00	50.00

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PREPARATION BATCH SUMMARY

SM18-20 4500S-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Batch:	B078828 Batch Matrix: Water	Preparation:	NO PREP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-01_08-13-13	13H0490-01	08/15/13 07:26	100.00	100.00
MW-02_08-13-13	13H0490-02	08/15/13 07:26	100.00	100.00
MW-08_08-13-13	13H0490-03	08/15/13 07:26	100.00	100.00
MW-03_08-13-13	13H0490-04	08/15/13 07:26	100.00	100.00
MW-07_08-13-13	13H0490-07	08/15/13 07:26	100.00	100.00
MW-05_08-13-13	13H0490-08	08/15/13 07:26	100.00	100.00
Blank	B078828-BLK1	08/15/13 07:26	100.00	100.00
LCS	B078828-BS1	08/15/13 07:26	100.00	100.00

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PREPARATION BATCH SUMMARY

ASTM D516-90, 02

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Batch:	B078870 Batch Matrix: Water	Preparation:	NO PREP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-01_08-13-13	13H0490-01	08/15/13 15:45	20.00	100.00
MW-02_08-13-13	13H0490-02	08/15/13 15:45	100.00	100.00
MW-08_08-13-13	13H0490-03	08/15/13 15:45	20.00	100.00
MW-03_08-13-13	13H0490-04	08/15/13 15:45	20.00	100.00
MW-07_08-13-13	13H0490-07	08/15/13 15:45	100.00	100.00
MW-05_08-13-13	13H0490-08	08/15/13 15:45	50.00	100.00
Blank	B078870-BLK1	08/15/13 15:45	100.00	100.00
LCS	B078870-BS1	08/15/13 15:45	100.00	100.00
LCS Dup	B078870-BSD1	08/15/13 15:45	100.00	100.00

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PREPARATION BATCH SUMMARY

SM18-20 2510B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Batch:	B078961 Batch Matrix: Water	Preparation:	NO PREP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-01_08-13-13	13H0490-01	08/16/13 12:15	100.00	100.00
MW-02_08-13-13	13H0490-02	08/16/13 12:15	100.00	100.00
MW-08_08-13-13	13H0490-03	08/16/13 12:15	100.00	100.00
MW-03_08-13-13	13H0490-04	08/16/13 12:15	100.00	100.00
MW-07_08-13-13	13H0490-07	08/16/13 12:15	100.00	100.00
MW-05_08-13-13	13H0490-08	08/16/13 12:15	100.00	100.00
Blank	B078961-BLK1	08/16/13 12:15	100.00	100.00
LCS	B078961-BS1	08/16/13 12:15	100.00	100.00

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

PREPARATION BATCH SUMMARY

SM18-20 2320B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Batch:	B078962 Batch Matrix: Water	Preparation:	NO PREP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-01_08-13-13	13H0490-01	08/16/13 11:00	100.00	100.00
MW-02_08-13-13	13H0490-02	08/16/13 11:00	100.00	100.00
MW-08_08-13-13	13H0490-03	08/16/13 11:00	100.00	100.00
MW-03_08-13-13	13H0490-04	08/16/13 11:00	100.00	100.00
MW-07_08-13-13	13H0490-07	08/16/13 11:00	100.00	100.00
MW-05_08-13-13	13H0490-08	08/16/13 11:00	100.00	100.00
Blank	B078962-BLK1	08/16/13 11:00	100.00	100.00
LCS	B078962-BS1	08/16/13 11:00	100.00	100.00
LCS Dup	B078962-BSD1	08/16/13 11:00	100.00	100.00

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

PREPARATION BATCH SUMMARY

SM 5310B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Batch:	B079021 Batch Matrix: Water	Preparation:	NO PREP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-01_08-13-13	13H0490-01	08/19/13 08:22	50.00	50.00
MW-02_08-13-13	13H0490-02	08/19/13 08:22	50.00	50.00
MW-08_08-13-13	13H0490-03	08/19/13 08:22	50.00	50.00
MW-03_08-13-13	13H0490-04	08/19/13 08:22	50.00	50.00
MW-07_08-13-13	13H0490-07	08/19/13 08:22	50.00	50.00
MW-05_08-13-13	13H0490-08	08/19/13 08:22	50.00	50.00
Blank	B079021-BLK1	08/19/13 08:22	50.00	50.00
LCS	B079021-BS1	08/19/13 08:22	50.00	50.00
LCS Dup	B079021-BSD1	08/19/13 08:22	50.00	50.00
MW-07_08-13-13	B079021-DUP1	08/19/13 08:22	50.00	50.00
MW-07_08-13-13	B079021-MS2	08/19/13 08:22	50.00	50.00

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

PREPARATION BATCH SUMMARY

SM18-20 4500 CL B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Batch:	B079056 Batch Matrix: Water	Preparation:	NO PREP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-01_08-13-13	13H0490-01	08/21/13 13:10	100.00	100.00
MW-02_08-13-13	13H0490-02	08/21/13 13:10	100.00	100.00
MW-08_08-13-13	13H0490-03	08/21/13 13:10	100.00	100.00
MW-03_08-13-13	13H0490-04	08/21/13 13:10	100.00	100.00
MW-07_08-13-13	13H0490-07	08/21/13 13:10	100.00	100.00
MW-05_08-13-13	13H0490-08	08/21/13 13:10	100.00	100.00
Blank	B079056-BLK1	08/21/13 13:10	100.00	100.00
LCS	B079056-BS1	08/21/13 13:10	100.00	100.00
LCS Dup	B079056-BSD1	08/21/13 13:10	100.00	100.00

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

PREPARATION BATCH SUMMARY

SM 18-20 4500 NO3 F

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Batch:	B079065 Batch Matrix: Water	Preparation:	SM 4500 NO3-F

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-01_08-13-13	13H0490-01	08/19/13 09:58	25.00	25.00
MW-02_08-13-13	13H0490-02	08/19/13 09:58	25.00	25.00
MW-08_08-13-13	13H0490-03	08/19/13 09:58	25.00	25.00
MW-03_08-13-13	13H0490-04	08/19/13 09:58	25.00	25.00
MW-07_08-13-13	13H0490-07	08/19/13 09:58	25.00	25.00
MW-05_08-13-13	13H0490-08	08/19/13 09:58	25.00	25.00
Blank	B079065-BLK1	08/19/13 09:58	25.00	25.00
LCS	B079065-BS1	08/19/13 09:58	25.00	25.00
LCS Dup	B079065-BSD1	08/19/13 09:58	25.00	25.00

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

PREPARATION BATCH SUMMARY

SM18-20 3500 Fe D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Batch:	B079077 Batch Matrix: Water	Preparation:	NO PREP

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-01_08-13-13	13H0490-01	08/19/13 14:45	50.00	50.00
MW-02_08-13-13	13H0490-02	08/19/13 14:45	50.00	50.00
MW-08_08-13-13	13H0490-03	08/19/13 14:45	50.00	50.00
MW-03_08-13-13	13H0490-04	08/19/13 14:45	50.00	50.00
MW-07_08-13-13	13H0490-07	08/19/13 14:45	50.00	50.00
MW-05_08-13-13	13H0490-08	08/19/13 14:45	50.00	50.00
Blank	B079077-BLK1	08/19/13 14:45	50.00	50.00
LCS	B079077-BS1	08/19/13 14:45	50.00	50.00
LCS Dup	B079077-BSD1	08/19/13 14:45	50.00	50.00

PREPARATION BENCH SHEET

B078797

Con-Test Analytical Laboratory

Printed: 3/14/2013 4:12:53PM

Matrix: Water **Prepared using: WET CHEMISTRY - NO PREP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
13H0437-06	Nitrite-Nitrogen (NO2)	08/14/13 14:25	25	50				2X		.283 = .204
13H0482-01	Nitrite-Nitrogen (NO2)	08/14/13 14:25	25	50				2X		.261 = .188
13H0490-01	Nitrite-Nitrogen (NO2)	08/14/13 14:25	10	50				5X	CDM Smith, Inc. - NY	.206 = .371
13H0490-02	Nitrite-Nitrogen (NO2)	08/14/13 14:25	50	50				1X	CDM Smith, Inc. - NY	.013
13H0490-03	Nitrite-Nitrogen (NO2)	08/14/13 14:25	50	50					CDM Smith, Inc. - NY	.004
13H0490-04	Nitrite-Nitrogen (NO2)	08/14/13 14:25	50	50					CDM Smith, Inc. - NY	.057 = .020
13H0490-07	Nitrite-Nitrogen (NO2)	08/14/13 14:25	50	50					CDM Smith, Inc. - NY	.003
13H0490-08	Nitrite-Nitrogen (NO2)	08/14/13 14:25	50	50					CDM Smith, Inc. - NY	.005
B078797-BLK1	QC	08/14/13 14:25	50	50						.002
B078797-BS1	QC	08/14/13 14:25	50	50	1303071		500		TV=0.10 mg/L	.276 100%
B078797-BSD1	QC	08/14/13 14:25	50	50	1303071		500		"	.286 103%
B078797-CCV1	QC ICV	08/14/13 14:25	50	50	1302192		500		"	.299 108%
B078797-DUP1	QC	08/14/13 14:25	50	50		13H0490-08				.004
B078797-MS1	QC	08/14/13 14:25	50	50	1302192	13H0490-08	500		TV=0.10 mg/L	.265 96%

Color (WC40-304)
epp# 4115756
3430997

GeneSys 2 Spec

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

Import Spec. - WC_Water

Initial Calibration Date:		**Test Code:**	
Analyst:	VAK	**Prep Date/Time:**	8/14/13 14:25
		Analysis Date/Time:	8/14/13 14:25
Analyte: Nitrite as N		Units: mg/	
Method: SM4500NO2B			

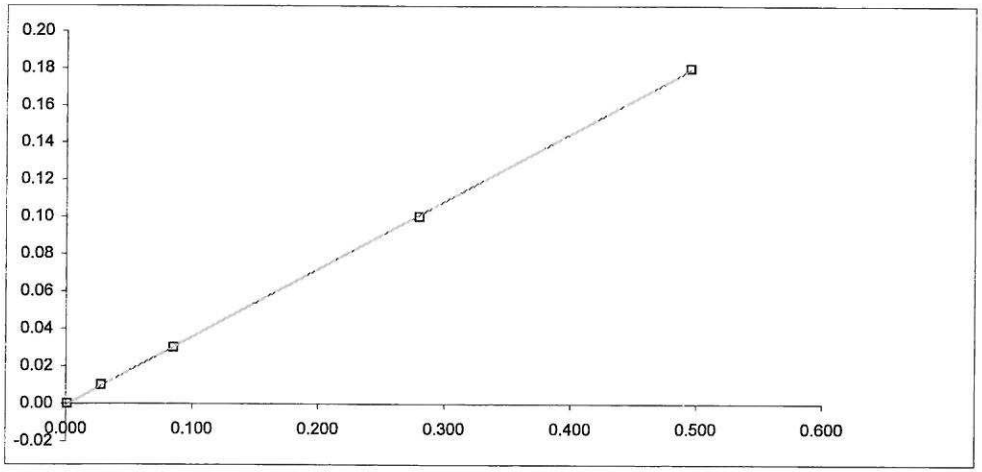
Measured Response	Standards I.D.	Actual Concentration	Calculated Value (linear)
0.001		0.00	0.000
0.028		0.01	0.010
0.085		0.03	0.030
0.280		0.10	0.101
0.495		0.18	

Batch ID: B078797

LINEAR EQUATION

y=a+bx

a=	0.0017888
b=	2.7501745
r=	0.9999530



Volume Initial

Volume Final

Calculation: mg/L = (Raw value from curve) * DF

Calculation: mg/kg = (Raw value from curve) * (Extract Vol./Sample Wt.) * DF

Import Spec. - WC_Water

#	Sample ID	Client ID	SampType	Response (abs)	Analytical Time	Sample Aliquot (gms)	Sample Vol (mls)	Extraction Volume (mls)	DF	Analyte	Net DF	RawVal	Final Conc. mg/L
	13H0437-06	Secondary Comp.	Sample	0.283	8/14/13 14:25		50		2		2	0.102252118	0.204504237
	13H0482-01	Effluent	Sample	0.261	8/14/13 14:25		50		2		2	0.094252631	0.188505262
	13H0490-01	MW-01_08-13-13	Sample	0.206	8/14/13 14:25		50		5		5	0.074253894	0.371269464
	13H0490-02	MW-02_08-13-13	Sample	0.013	8/14/13 14:25		50		1		1	0.00407653	0.00407653
	13H0490-03	MW-08_08-13-13	Sample	0.004	8/14/13 14:25		50		1		1	0.000804011	0.000804011
	13H0490-04	MW-03_08-13-13	Sample	0.057	8/14/13 14:25		50		1		1	0.020075515	0.020075515
	13H0490-07	MW-07_08-13-13	Sample	0.003	8/14/13 14:25		50		1		1	0.000440397	0.000440397
	13H0490-08	MW-05_08-13-13	Sample	0.005	8/14/13 14:25		50		1		1	0.001167624	0.001167624
	B078797-BLK1	-	Blank	0.002	8/14/13 14:25		50		1		1	7.6784E-05	7.6784E-05
	B078797-BS1	-	LCS	0.276	8/14/13 14:25		50		1		1	0.099706821	0.099706821
	B078797-BSD1	-	LCS Dup	0.286	8/14/13 14:25		50		1		1	0.103342965	0.103342965
	B078797-CCV1	-	Calibration Check	0.299	8/14/13 14:25		50		1		1	0.108069927	0.108069927
	B078797-DUP1	13H0490-08	Duplicate	0.004	8/14/13 14:25		50		1		1	0.000804011	0.000804011
	B078797-MS1	13H0490-08	Matrix Spike	0.265	8/14/13 14:25		50		1		1	0.095707074	0.095707074

Final Conc. mg/kg
0
0
0
0
0
0
0
0
0
0
0
0
0
0

NO2 2:25 Color (WC40-304) 4115756 3430997

373

Sample Custody

By Victoria A. Kimberely

Printed 08/14/13 08:39

DIL ABS

Lab ID	Container	Last Owner	Department	Location	Home Location	Status	Disposition	Custody Date
13H0437-06	A 250 mL plastic Unpreserved	SLD	LOGIN	Refrigerator 55-1 A	Refrigerator 55-1 A	Received	Active (Out)	08/13/13 14:09 .554
13H0482-01	A1 L plastic Unpreserved	LL	WET CHEMISTRY	WET CHEMISTRY	Refrigerator 55-2 A	Batched	Active (Out)	08/14/13 07:22 .534

CDM Smith ABS

mw-1 ~~1.017~~ (5x) .206

0	.001
.01	.028
.03	.085
.10	.280
.18	.495

-2	.013
-3	.004
-5	.057
-7	.003
-8	.005

LCS .276

1 DP .286

BIK .002

437-06 (2x) .283 = .102 x 2 = .204

482-01 (2x) .261 = .094 x 2 = .188

mw-8 DP .084

1 MS .265

CCV .299

0.99995992

Relinquished By Date Received By Date

Relinquished By Date Received By Date

PREPARATION BENCH SHEET

B078870

Con-Test Analytical Laboratory

rinted: 8/19/2013 12:06:07PM

Matrix: Water **Prepared using: WET CHEMISTRY - NO PREP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
13H0201-01	Sulfate by ASTM D516	08/15/13 15:45	100	100						
13H0201-02	Sulfate by ASTM D516	08/15/13 15:45	100	100						
13H0201-03	Sulfate by ASTM D516	08/15/13 15:45	100	100						
13H0450-04	Sulfate by ASTM D516	08/15/13 15:45	100	100						
13H0490-01	Sulfate by ASTM D516	08/15/13 15:45	20	100					CDM Smith, Inc. - NY	
13H0490-02	Sulfate by ASTM D516	08/15/13 15:45	100	100					CDM Smith, Inc. - NY	
13H0490-03	Sulfate by ASTM D516	08/15/13 15:45	20	100					CDM Smith, Inc. - NY	
13H0490-04	Sulfate by ASTM D516	08/15/13 15:45	20	100					CDM Smith, Inc. - NY	
13H0490-07	Sulfate by ASTM D516	08/15/13 15:45	100	100					CDM Smith, Inc. - NY	
13H0490-08	Sulfate by ASTM D516	08/15/13 15:45	50	100					CDM Smith, Inc. - NY	
B078870-BLK1	QC	08/15/13 15:45	100	100						
B078870-BS1	QC	08/15/13 15:45	100	100	1306006		20000			
B078870-BSD1	QC	08/15/13 15:45	100	100	1306006		20000			
B078870-DUP1	QC	08/15/13 15:45	100	100		13H0201-03				
B078870-MS1	QC	08/15/13 15:45	100	100	1308145	13H0201-02	20000			

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

Sulfate

Method ASTM D516-02

Spec. ID : genesys #3

Date/Analyst : 8-15-13 VLA

Standard	mls of Stock	Stock Conc.	Final Vol.	Std. Conc.	units	Absorbance
Std. 1	2 mls	100mg/L	100 ml	2	mg/L	.080
Std. 2	5			5		.222
Std. 3	10			10		.096
Std. 4	20			20		.213
	30			30		.315
	40			40		.403

Correlation Coefficient : 0.9947150315

Stock ID : Ni41-043

Stock Expiration : 8-15-14

Stock Concentration : 100 mg/L

Diluent : DI Water

Wavelength : 420 nm

Path Length : 1 cm

Comments: _____

Reagents: Color – Con-Test Lot # : WC40-308

BaCl2 2H2O 1204517 VWR

Sulfate

Method ASTM D516-02

OK JAA

Spec. ID : genesysH3 Date : 8-15-13 Start time: 1200 Finish time: 1545 Analyst: VLA

QC Reference (LCS) : 1306006 (WL40-128) T.V. = 20.0 mg/L Range : 80.5-116%

Sample ID #	Abs.	Calculations / Final Results	Comments/Time
~~Dup & MS at 10% or better~~ BLK	.000	= 1.76	
QC reference (LCS)	.185	18.77/20 = 94%	T.V.= 20.0 mg/L
~~LFB~~ LCS DUP	.191	19.32/20 = 97%	T.V.= 20.0 mg/L
1. 13H0201-01	.002/.229	= 23.57	
2. -02	.032/.147	= 16.93	
3. -02 (MS)	.026/.361	33.50 =	78.2 %
4. -03	.066/.185	= 12.70	
5. -03 (DUP)	.071/.189	= ~~13.01~~	12.61 VLA 8/15/13
6. 13H0450-04	.014/.030	3.23-5 =	0
7. 13H0490-01	.000/.268	27.85 (x5) =	139.25
8. -02	.000/.233	= 23.18	
9. -03	.000/.199	20.05 (x5) =	100.25
10. -04	.000/.246	24.38 (x5) =	121.90
11. -05	.003/.316	= 30.63	
12. -09	.001/.401	39.53 (x2) =	79.06
CCV CCV	.193	19.50/20 =	98% T.V. = 20.0 mg/L
13. CCB	.000	= 1.76	
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
CCV			T.V.=

See next page for standard/curve worksheet

PREPARATION BENCH SHEET

B078962

Con-Test Analytical Laboratory

rinted: 8/19/2013 12:05:54PM

Matrix: Water **Prepared using: WET CHEMISTRY - NO PREP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
13H0490-01	Alkalinity by SM2320B	08/16/13 11:00	100	100					CDM Smith, Inc. - NY	
13H0490-02	Alkalinity by SM2320B	08/16/13 11:00	100	100					CDM Smith, Inc. - NY	
13H0490-03	Alkalinity by SM2320B	08/16/13 11:00	100	100					CDM Smith, Inc. - NY	
13H0490-04	Alkalinity by SM2320B	08/16/13 11:00	100	100					CDM Smith, Inc. - NY	
13H0490-07	Alkalinity by SM2320B	08/16/13 11:00	100	100					CDM Smith, Inc. - NY	
13H0490-08	Alkalinity by SM2320B	08/16/13 11:00	100	100					CDM Smith, Inc. - NY	
13H0569-01	Alkalinity by SM2320B	08/16/13 11:00	100	100					CDM Smith, Inc. - NY	
13H0569-02	Alkalinity by SM2320B	08/16/13 11:00	100	100					CDM Smith, Inc. - NY	
13H0613-01	Alkalinity by SM2320B	08/16/13 11:00	100	100					[redacted] H	
B078962-BLK1	QC	08/16/13 11:00	100	100						
B078962-BS1	QC	08/16/13 11:00	100	100	1307060		1			
B078962-BSD1	QC	08/16/13 11:00	100	100	1307060		1			
B078962-DUP1	QC	08/16/13 11:00	100	100		13H0613-01				
B078962-MS1	QC	08/16/13 11:00	100	100	1308101	13H0613-01	5000			

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

STOCK (130810) exp. 9-15-13

Titrimetric Determinations
Method Summary Worksheet 11:00AM

*Date Standardized (WC40-390) Titrant 059

Analysis: Alkalinity Method #: SM2320 B Date/Analyst: 8/16/13 VAK

QC Reference sample: ~~52.3mg/l~~ True Value: 52.3mg/L Range: (85.9 - 108%) Titrant Normality/Date*: 0.021N/8-4-13

Sample Id# VK 8/16/13	1307060 buret mls final - initial - Blk =	mls used	[Calculation / Final Concentrations]	Clients / Comments
Blank	~~4.5~~ 4.5 - ~~4.2~~ .05	0.1	[(2x.05) - 0.1] = 0 ✓ (21 mg/L)	
Standard LCS	5.05	5.05	(.021)(50000)/100 = 53.03	(101%) ✓
QC Reference dp	4.95	4.95	/100 = 51.98	(99%) ✓
13H0490-01	18.9	18.9	/50 = 396.9	✓
0490-02	13.9	13.9	/50 = 291.9	✓
0490-03	20.45	20.45	/50 = 429.45	✓
0490-04	29.55	29.55	/50 = 620.55	✓
0490-07	26.8	26.8	/50 = 562.8	✓
0490-08	16.35	16.35	/50 = 343.35	✓
0569-01	25.5	25.5	/50 = 535.5	✓
0569-02	17.9	17.9	/50 = 375.9	✓
0613-01	20	2.0	/100 = 21.0	✓
dp	2.0	2.0	/100 = 21.0	✓
~~Dup.~~ ms	6.8	6.8	/100 = 71.4 ✓	(101%) TV=50
~~MS~~ CCV	4.8	4.8	/100 = 50.4	(101%) ✓ 1
Cal.ck (std.)				True Value:
			VAK 8/16/13	
Dup.				
MS				
Cal.ck (std.)				True Value:

Sample Id#	1st Result	2nd Result	RPD	Sample Id#	Spiked Sample	Spike Added	% Recovery

PREPARATION BENCH SHEET

B078828

Con-Test Analytical Laboratory

rinted: 8/19/2013 12:07:15PM

Matrix: Water **Prepared using: WET CHEMISTRY - NO PREP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
13H0490-01	Sulfide by SM4500S-E	08/15/13 07:26	100	100					CDM Smith, Inc. - NY	
13H0490-02	Sulfide by SM4500S-E	08/15/13 07:26	100	100					CDM Smith, Inc. - NY	
13H0490-03	Sulfide by SM4500S-E	08/15/13 07:26	100	100					CDM Smith, Inc. - NY	
13H0490-04	Sulfide by SM4500S-E	08/15/13 07:26	100	100					CDM Smith, Inc. - NY	
13H0490-07	Sulfide by SM4500S-E	08/15/13 07:26	100	100					CDM Smith, Inc. - NY	
13H0490-08	Sulfide by SM4500S-E	08/15/13 07:26	100	100					CDM Smith, Inc. - NY	
B078828-BLK1	QC	08/15/13 07:26	100	100						
B078828-BS1	QC	08/15/13 07:26	100	100	1212095		100000			

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

Iodine 5ml→sample 20ml→LCS

Titrimetric Determinations
Method Summary Worksheet SM4500S-E

7/16/13* Date Standardized RR-0513-005 019

Analysis: RX S2 Method #: 73329030A Date/Analyst: LL 8/15/13

QC Reference sample: _____ True Value: 14.9mg/L Range: (15.2% — 140) Titrant Normality/Date*: .025N

Sample Id#	buret mls final - initial - Blk = (WC38-311)	mls used	[ ] Calculation / Final Concentrations	Clients / Comments ($Na_2S_2O_3$)
Blank	5.0 - 0 - 0	5.0	(.1200 - .1250)(16000)/100 =	<20mg/L
Standard			(mLS I X N I) - (NN$a_2S_2O_3$ X mLS $Na_2S_2O_3$)	
QC Reference	17.7 - 0 - 0	17.7	(.4800 - .4425)(") /100 =	60.0mg/L 40.3%
13H0490-01	10.3 - 5.0 - 0	5.3	(.1200 - .1325)(") /100 =	<2.0mg/L
02	5.2 - 0 - 0	5.2	(.1200 - .1300)(") /100 =	<20mg/L
03	10.3 - 5.2 - 0	5.1	(.1200 - .1275)(") /100 =	<2.0mg/L
04	15.6 - 10.3 - 0	5.3	(.1200 - .1325)(") /100 =	<2.0mg/L
07	20.6 - 15.6 - 0	5.0	(.1200 - .1250)(") /100 =	<2.0mg/L
08	25.7 - 20.6 - 0	5.1	(.1200 - .1275)(") /100 =	<2.0mg/L
13H0528-01	30.7 - 25.7 - 0	5.0	(.1200 - .1250)(") /100 =	<2.0mg/L
↓			(<2.0)(.250)/.0250001 =	<20.0mg/kg
0528-02	35.8 - 30.7 - 0	5.1	(.1200 - .1275)(") /100 =	<2.0mg/L
↓			(<2.0)(.250)/.0250699 =	<19.94mg/kg
Dup 0528-03	40.7 - 35.8 - 0	5.1	(.1200 - .1275)(") /100 =	<2.0mg/L
MS ↓			(<2.0)(.250)/.0250372 =	<19.97 ug/Kg
Cal.ck (std.)	17.7 - 0 - 0	17.7	(.4800 - .4425)(") /100 =	True Value: 60.0mg/L
			40.3%	
	eppendorf -	4115756		
	0.01N H_2SO_4		WC41 - 018	
	0.25N NaOH		↓ - 019	
	Iodine WC41 - 036		STZ 8/13/13 @ .024N	
	Thyodent RR3 -	4260		
	6N HCL WC40 -	3640		
	Analyzed	11:10am		
Dup.				
MS				
Cal.ck (std.)				True Value:

Sample Id#	1st Result	2nd Result	RPD	Sample Id#	Spiked Sample	Spike Added	% Recovery

380

PREPARATION BENCH SHEET

B079021

Con-Test Analytical Laboratory

'rinted: 8/19/2013 3:11:19PM

Matrix: Water **Prepared using: WET CHEMISTRY - NO PREP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
13H0490-01	Total Organic Carbon	08/19/13 08:22	50	50					CDM Smith, Inc. - NY	
13H0490-02	Total Organic Carbon	08/19/13 08:22	50	50					CDM Smith, Inc. - NY	
13H0490-03	Total Organic Carbon	08/19/13 08:22	50	50					CDM Smith, Inc. - NY	
13H0490-04	Total Organic Carbon	08/19/13 08:22	50	50					CDM Smith, Inc. - NY	
13H0490-07	Total Organic Carbon	08/19/13 08:22	50	50					CDM Smith, Inc. - NY	
13H0490-08	Total Organic Carbon	08/19/13 08:22	50	50					CDM Smith, Inc. - NY	
13H0542-01	Total Organic Carbon	08/19/13 08:22	50	50						moved on batch
13H0542-02	Total Organic Carbon	08/19/13 08:22	50	50						
13H0569-01	Total Organic Carbon	08/19/13 08:22	50	50					CDM Smith, Inc. - NY	
13H0569-02	Total Organic Carbon	08/19/13 08:22	50	50					CDM Smith, Inc. - NY	
13H0609-01	Total Organic Carbon	08/19/13 08:22	50	50						
13H0616-01	Total Organic Carbon	08/19/13 08:22	50	50						
13H0616-02	Total Organic Carbon	08/19/13 08:22	50	50						
B079021-BLK1	QC	08/19/13 08:22	50	50						
B079021-BS1	QC	08/19/13 08:22	50	50	1303179		5000			
B079021-BSD1	QC	08/19/13 08:22	50	50	1303179		5000			
B079021-DUP1	QC	08/19/13 08:22	50	50		13H0490-07				
B079021-MS1	QC	08/19/13 08:22	50	50	1303183	13H0569-02	2500			
B079021-MS2	QC	08/19/13 08:22	50	50	1303183	13H0490-07	2500			
B079021-MSD1	QC	08/19/13 08:22	50	50	1303183	13H0569-02	2500			

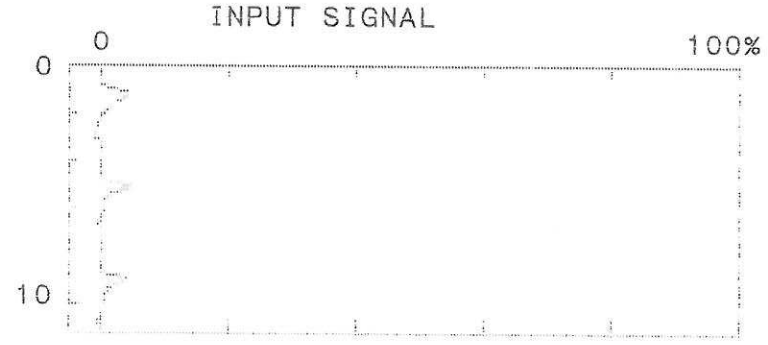
VAK 8/19/13
Spiking Witnessed By Date

VAK 8/19/13
Preparation Reviewed By Date

Extracts Received By Date

POWER OFF 08(AUG)-14-2013 12:47
POWER ON 08(AUG)-14-2013 12:47

POWER OFF 08(AUG)-14-2013 13:30
POWER ON 08(AUG)-19-2013 07:07

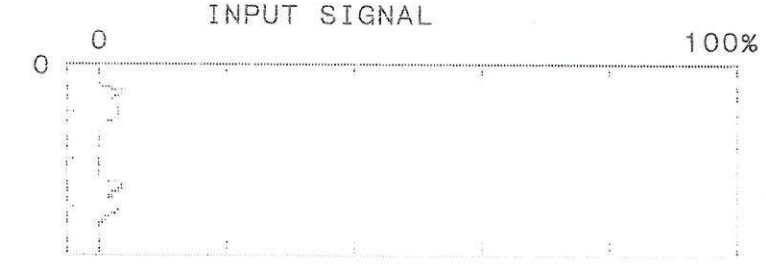


TIME [min]

CAL CURVE F# 3
1st STANDARD TC 0.0mg/l VIAL: S1
[x 5, 100µl, #WASH 2, SP 3min]

#	AREA
1-	3631
2	2657
3	2768
MN	2712
SD	78
CV	2.89 %

DATE 08(AUG)-19-2013 08:22

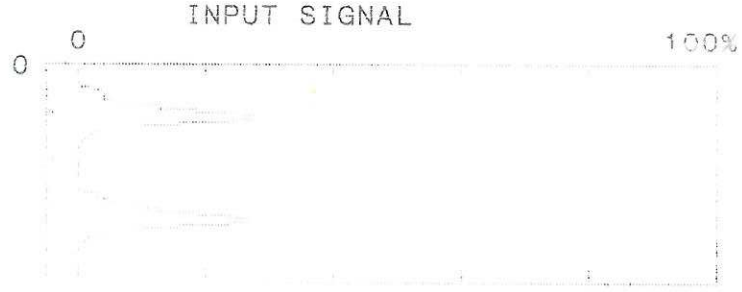


TIME [min]

CAL CURVE F# 3
2nd STANDARD TC 1.0mg/l VIAL: S2
[x 5, 100µl, #WASH 2, SP 3min]

#	AREA
1	4743
2	4581
MN	4662
SD	114
CV	2.45 %

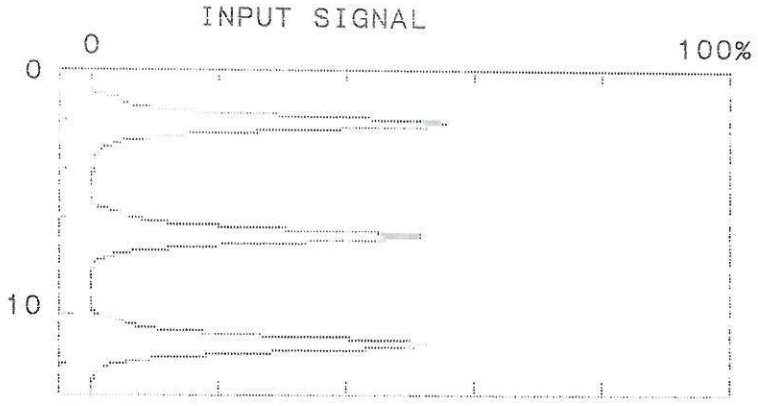
DATE 08(AUG)-19-2013 08:32



CAL CURVE F# 3
3rd STANDARD TC 10.0mg/l VIAL: S3
[x 5, 100µl, #WASH 2, SP 3min]

#	AREA
1	25175
2	24996
MN	25085
SD	126
CV	0.50 %

DATE 08(AUG)-19-2013 08:46

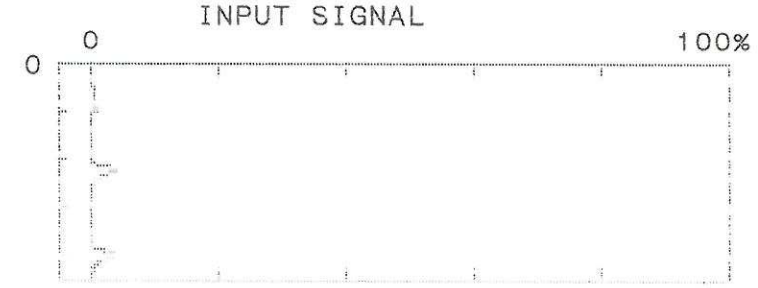


TIME [min]

CAL CURVE F# 3
4th STANDARD TC 20.0mg/l VIAL: S4
[x 5, 100µl, #WASH 2, SP 3min]

#	AREA
1	46737
2	-44488
3	47107
-	- - - -
MN	46922
SD	261
CV	0.55 %

DATE 08(AUG)-19-2013 09:04



TIME [min]

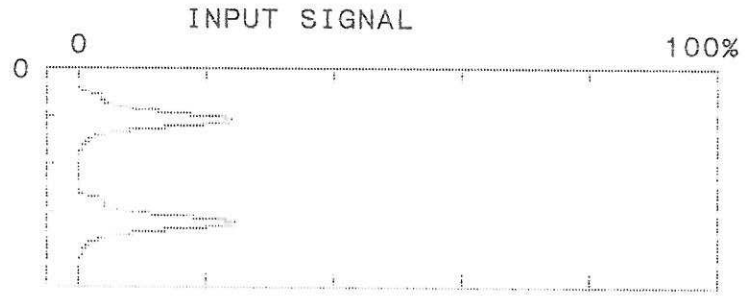
SAMPLE# 1 NPOC VIAL: 1
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1-	0	-1.19			
2	1815	-0.37			
3	1809	-0.37			
MN	1812	-0.37			
SD	4	0.002			
CV	0.23 %				

COR CONC DIL -0.37 [x 1.0]
COR CONC INJ -0.37 [x 1.0]

BLK

DATE 08(AUG)-19-2013 09:15



TIME [min]

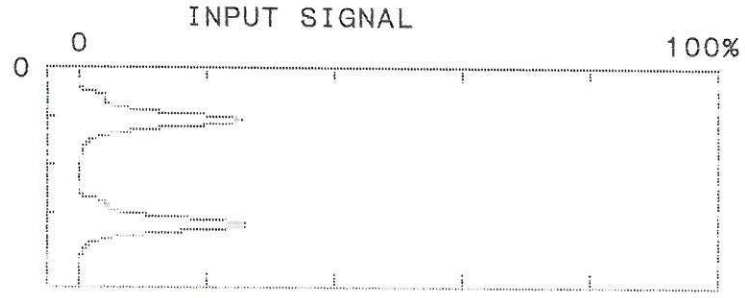
SAMPLE# 2 NPOC VIAL: 2
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	22201	8.811			
2	22257	8.836			
MN	22229	8.823			
SD	39	0.017			
CV	0.17 %				

COR CONC DIL 8.823 [x 1.0]
COR CONC INJ 8.823 [x 1.0]

ICV 88.2%

DATE 08(AUG)-19-2013 09:27



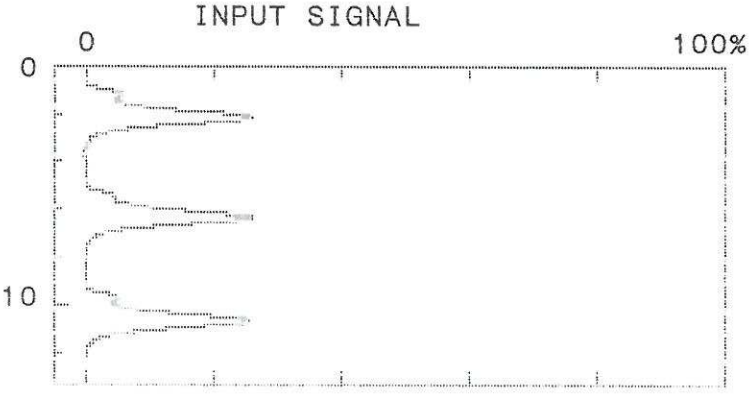
TIME [min]

SAMPLE# 3 NPOC VIAL: 3
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	22963	9.154			
2	23317	9.314			
MN	23140	9.234			
SD	250	0.112			
CV	1.08 %				
COR CONC DIL		9.234 [x 1.0]			
COR CONC INJ		9.234 [x 1.0]			

DATE 08(AUG)-19-2013 09:40

LCS 92.3%



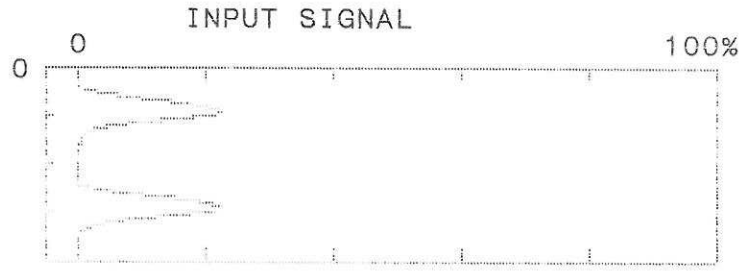
TIME [min]

SAMPLE# 4 NPOC VIAL: 4
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	23874	9.564			
2	23084	9.209			
3	23077	9.205			
MN	23080	9.207			
SD	4	0.002			
CV	0.02 %				
COR CONC DIL		9.207 [x 1.0]			
COR CONC INJ		9.207 [x 1.0]			

LCSDP 92.1%

DATE 08(AUG)-19-2013 09:58



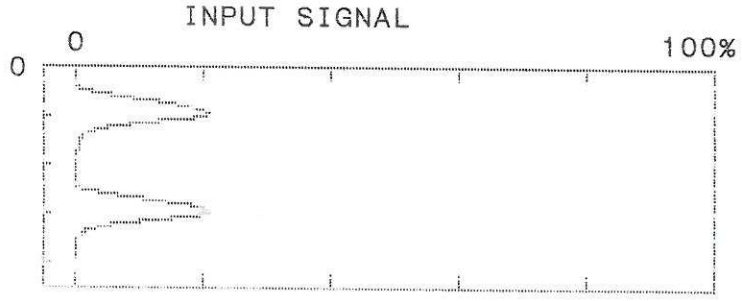
TIME [min]

SAMPLE# 5 NPOC VIAL: 5
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	23843	9.550			
2	23655	9.466			
MN	23749	9.508			
SD	132	0.059			
CV	0.55 %				
COR CONC DIL		9.508 [x 1.0]			
COR CONC INJ		9.508 [x 1.0]			

13H0616-01 X100

DATE 08(AUG)-19-2013 10:08



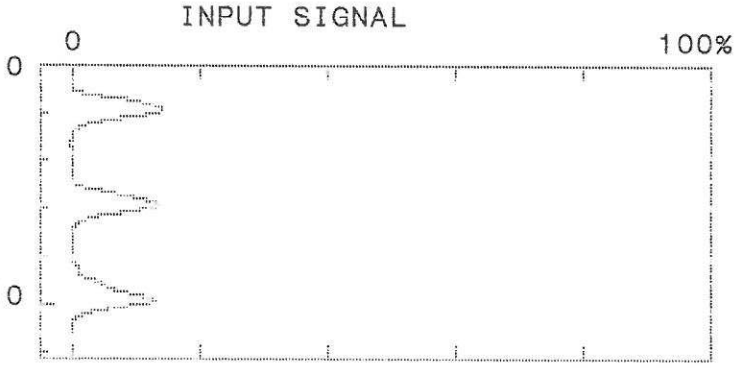
TIME [min]

SAMPLE# 6 NPOC VIAL: 6
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	22246	8.831			
2	22023	8.731			
MN	22134	8.781			
SD	157	0.071			
CV	0.71 %				
COR CONC DIL		8.781 [x 1.0]			
COR CONC INJ		8.781 [x 1.0]			

DATE 08(AUG)-19-2013 10:21

13H0616-02
X100



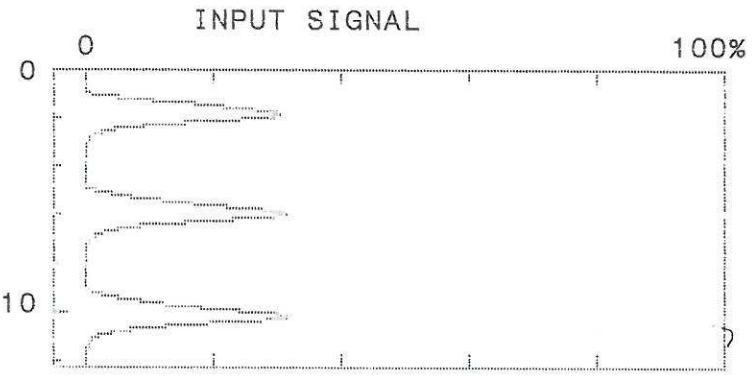
TIME [min]

SAMPLE# 7 NPOC VIAL: 7
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	-13832	5.041			
2	12780	4.567			
3	13170	4.742			
MN	12975	4.654			
SD	275	0.124			
CV	2.12 %				
COR CONC DIL		4.654 [x 1.0]			
COR CONC INJ		4.654 [x 1.0]			

DATE 08(AUG)-19-2013 10:38

13H0490-07

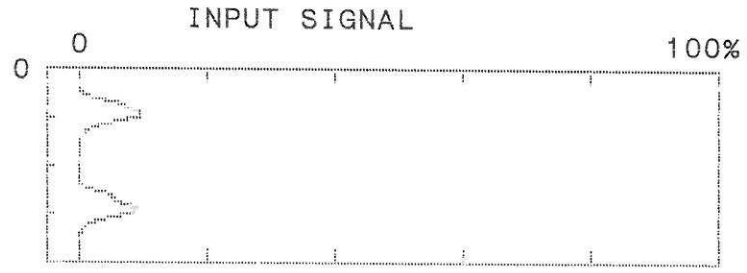


SAMPLE# 8 NPOC VIAL: 8
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	-28779	11.77			
2	30300	12.45			
3	30115	12.37			
MN	30207	12.41			
SD	130	0.059			
CV	0.43 %				
COR CONC DIL		12.41 [x 1.0]			
COR CONC INJ		12.41 [x 1.0]			

DATE 08(AUG)-19-2013 10:52

13H0490-01



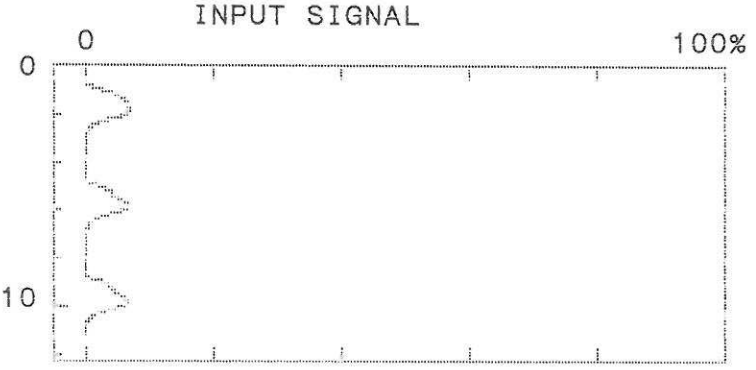
TIME [min]

SAMPLE# 9 NPOC VIAL: 9
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

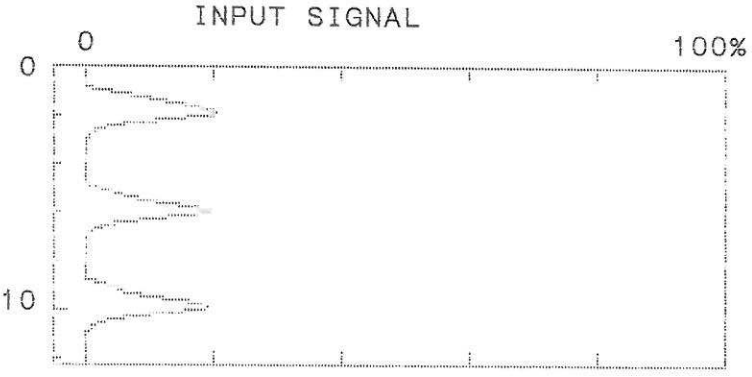
#	AREA	mg/l	C#	µl	RG
1	9240	2.972			
2	9416	3.051			
MN	9328	3.011			
SD	124	0.056			
CV	1.33 %				
COR CONC DIL		3.011 [x 1.0]			
COR CONC INJ		3.011 [x 1.0]			

DATE 08(AUG)-19-2013 11:02

1340490-08



TIME [min]



TIME [min]

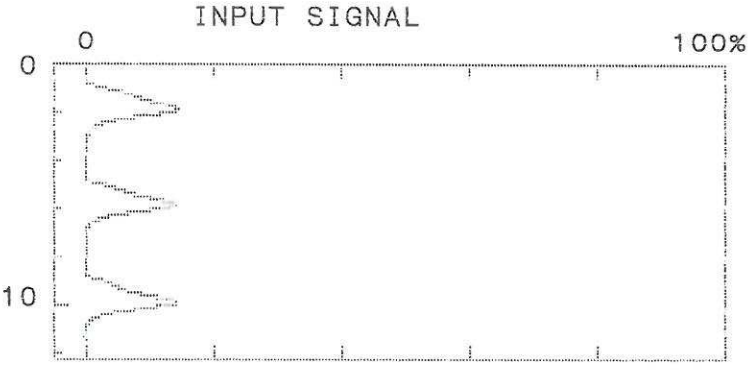
SAMPLE# 12 NPOC VIAL: 12
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	21439	8.467			
2	19072	7.401			
3	18787	7.273			
MN	18929	7.337			
SD	201	0.090			
CV	1.06 %				

COR CONC DIL 7.337 [x 1.0]
COR CONC INJ 7.337 [x 1.0]

DATE 08(AUG)-19-2013 11:46

13H0490-04



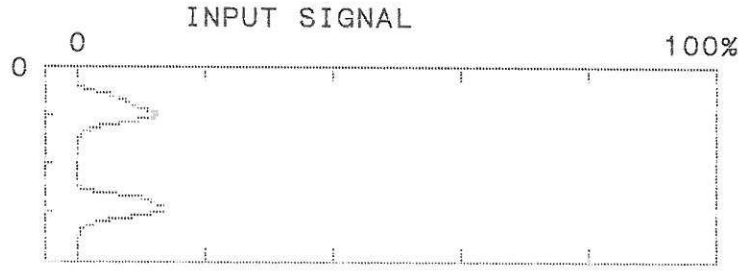
TIME [min]

SAMPLE# 10 NPOC VIAL: 10
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1-	8540	2.656			
2	7400	2.143			
3	7620	2.242			
MN	7510	2.192			
SD	155	0.070			
CV	2.07 %				
COR CONC DIL	2.192 [x 1.0]				
COR CONC INJ	2.192 [x 1.0]				

DATE 08(AUG)-19-2013 11:19

13H0490-02



SAMPLE# 11 NPOC VIAL: 11
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	14329	5.264			
2	14337	5.268			
MN	14333	5.266			
SD	5	0.002			
CV	0.03 %				
COR CONC DIL	5.266 [x 1.0]				
COR CONC INJ	5.266 [x 1.0]				

DATE 08(AUG)-19-2013 11:29

13H0490-03

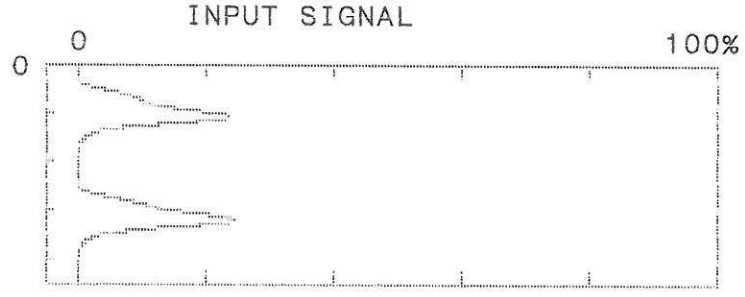
SAMPLE# 13 NPOC VIAL: 13
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	15289	5.697			
2	13753	5.005			
3	13446	4.867			
MN	13599	4.936			
SD	217	0.097			
CV	1.59 %				

COR CONC DIL 4.936 [x 1.0]
COR CONC INJ 4.936 [x 1.0]

DATE 08(AUG)-19-2013 11:59

dp 13H0490-07



TIME [min]

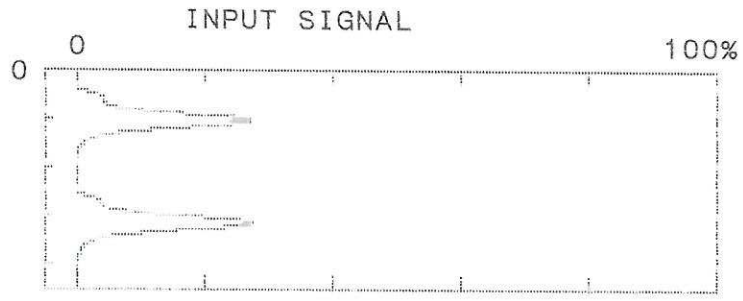
SAMPLE# 14 NPOC VIAL: 14
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	25854	10.45			
2	25229	10.17			
MN	25541	10.31			
SD	441	0.199			
CV	1.73 %				

COR CONC DIL 10.31 [x 1.0]
COR CONC INJ 10.31 [x 1.0]

DATE 08(AUG)-19-2013 12:10

MS 13H0490-07 113.1%



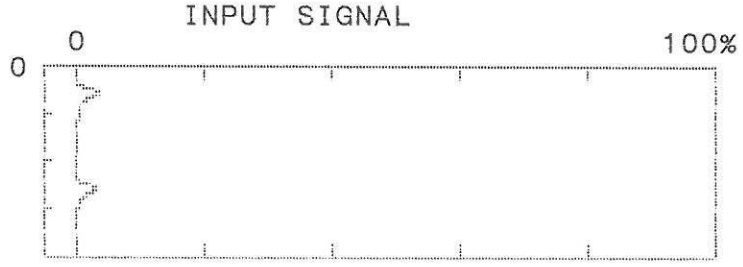
TIME [min]

SAMPLE# 15 NPOC VIAL: 15
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	24447	9.823			
2	24278	9.746			
MN	24362	9.785			
SD	119	0.053			
CV	0.49 %				
COR CONC DIL	9.785 [x 1.0]				
COR CONC INJ	9.785 [x 1.0]				

DATE 08(AUG)-19-2013 12:23

CV 97.9%



TIME [min]

SAMPLE# 16 NPOC VIAL: 16
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	2142	-0.22			
2	1914	-0.32			
MN	2028	-0.27			
SD	161	0.072			
CV	7.94 %				
COR CONC DIL	-0.27 [x 1.0]				
COR CONC INJ	-0.27 [x 1.0]				

DATE 08(AUG)-19-2013 12:36

CLB

CALIBRATION CURVE FILE LIST

F#	TYP	MAX-C	P	STD SIZE	RG	C	CELL
2	TC	20.0mg/l	4	100/2500µl	5	N	
3	TC	20.0mg/l	4	100/2500µl	5	N	
4	TC	20.0mg/l	4	100/2500µl	5	N	
5	TC	20.0mg/l	4	100/2500µl	5	N	
6	TC	20.0mg/l	4	100/2500µl	5	N	
7	TC	20.0mg/l	4	100/2500µl	5	N	
8	TC	20.0mg/l	4	100/2500µl	5	N	
9	TC	20.0mg/l	4	100/2500µl	5	N	
10	TC	20.0mg/l	4	100/2500µl	5	N	
11	TC	20.0mg/l	4	100/2500µl	5	N	

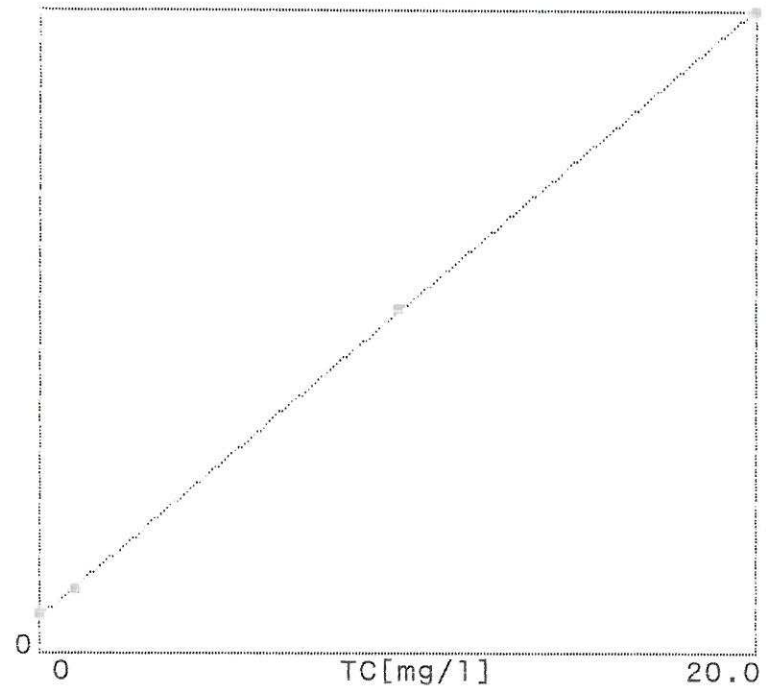
F#	SP	W	AREA	SD	CV	DATE
2	3	2	43241	282	0.65	08(AUG)-14-2013
3	3	2	46922	261	0.55	08(AUG)-19-2013
4	3	2	44215	298	0.67	07(JUL)-25-2013
5	3	2	42830	749	1.75	07(JUL)-31-2013
6	3	2	35397	292	0.82	01(JAN)-03-2013
7	3	2	34578	446	1.29	01(JAN)-05-2013
8	3	2	33965	171	0.50	01(JAN)-12-2013
9	3	2	31172	561	1.80	06(JUN)-01-2012
10	3	2	19520	39	0.20	07(JUL)-11-2012
11	3	2	35393	0	0.00	02(FEB)-08-2013

TOC-5000 DATA REPORT
DATE 08(AUG)-19-2013 12:40

SPL#	POC	RMK	NPOC,mg/l	RMK	TOC
1			-0.37	3****	
2			8.823	3****	
3			9.234	3****	
4			9.207	3****	
5			9.508	3****	
6			8.781	3****	
7			4.654	3****	
8			12.41	3****	
9			3.011	3****	
10			2.192	3****	
11			5.266	3****	
12			7.337	3****	
13			4.936	3****	
14			10.31	3****	
15			9.785	3****	
16			-0.27	3****	

ANALYST :
SAMPLE :

46922



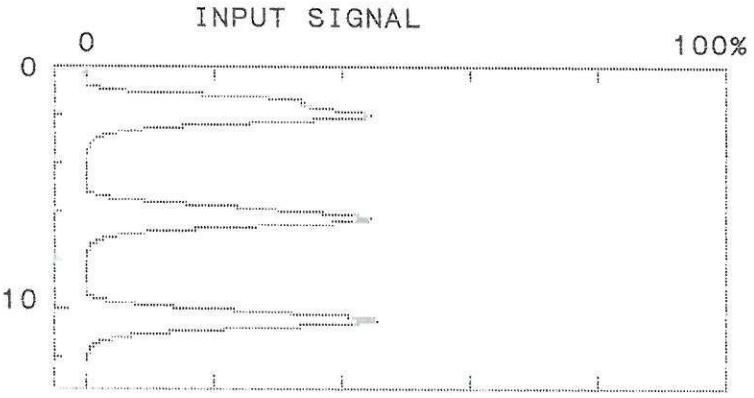
CAL CURVE F# 3
TC 4-POINT
LEAST SQUARES r=1.000

[CONDITIONS]

TC CATALYST	: NORMAL SENS
INJ VOL/SYRINGE SIZE	: 100/2500µl
RANGE	: x5
SPARGE TIME	: 3min
NO OF WASHES	: 2
DATE	: 08(AUG)-19-2013

[DATA]

STD CONC	AREA	#INJ	SD	CV
20.0mg/l	46922	2	261	0.55%
10.0mg/l	25085	2	126	0.50%
1.0mg/l	4662	2	114	2.45%
0.0mg/l	2712	2	78	2.89%



TIME [min]

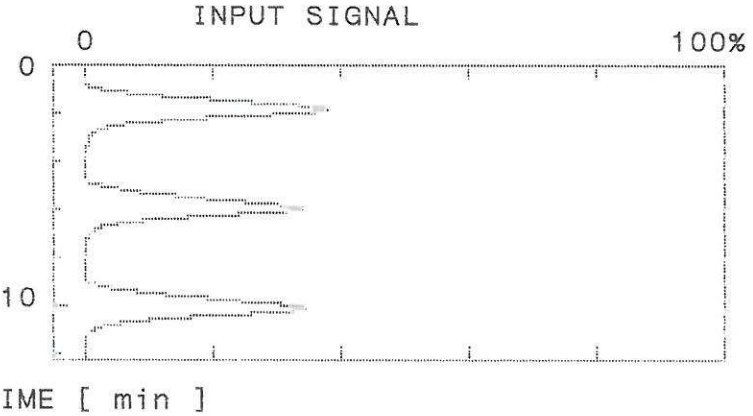
SAMPLE# 1 NPOC VIAL: 1
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	54436	23.33			
2	44887	19.03			
3	41941	17.70			
MN	43414	18.36			
SD	2083	0.938			
CV	4.79 %				

COR CONC DIL 18.36 [x 1.0]
COR CONC INJ 18.36 [x 1.0]

DATE 08(AUG)-19-2013 12:59

BH10569-01



TIME [min]

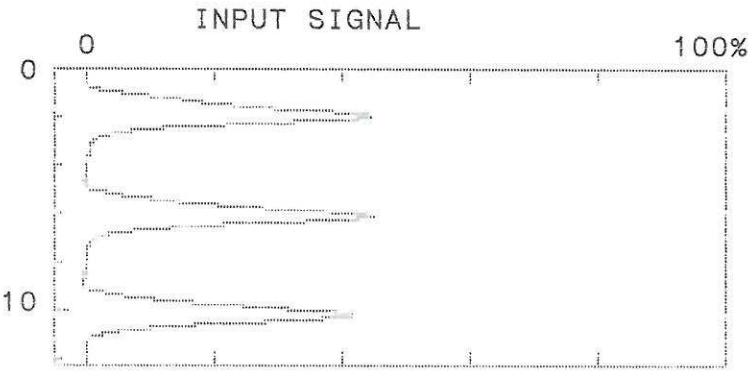
SAMPLE# 2 NPOC VIAL: 2
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	35522	14.81			
2	33296	13.80			
3	33206	13.76			
MN	33251	13.78			
SD	63	0.028			
CV	0.19 %				

COR CONC DIL 13.78 [x 1.0]
COR CONC INJ 13.78 [x 1.0]

DATE 08(AUG)-19-2013 13:13

13H0569-02



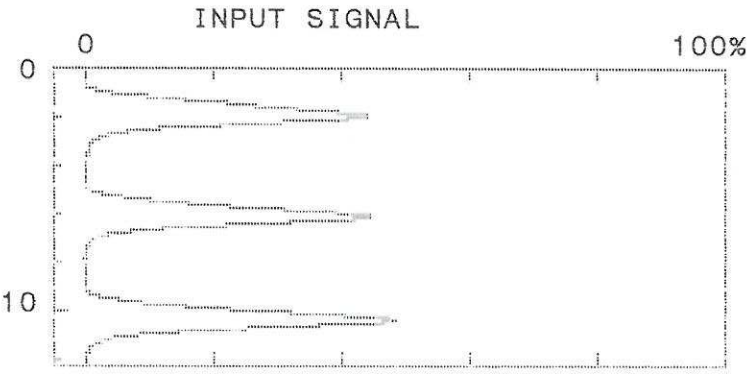
SAMPLE# 3 NPOC VIAL: 3
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	43591	18.44			
2	41720	17.60			
3	39913	16.79			
MN	40816	17.19			
SD	1277	0.575			
CV	3.13 %				

COR CONC DIL 17.19 [x 1.0]
COR CONC INJ 17.19 [x 1.0]

DATE 08(AUG)-19-2013 13:27

MS
13H0569-02
68.2%
Percentage ~~fedoing~~ ~~Over~~
in 8/19/13



TIME [min]

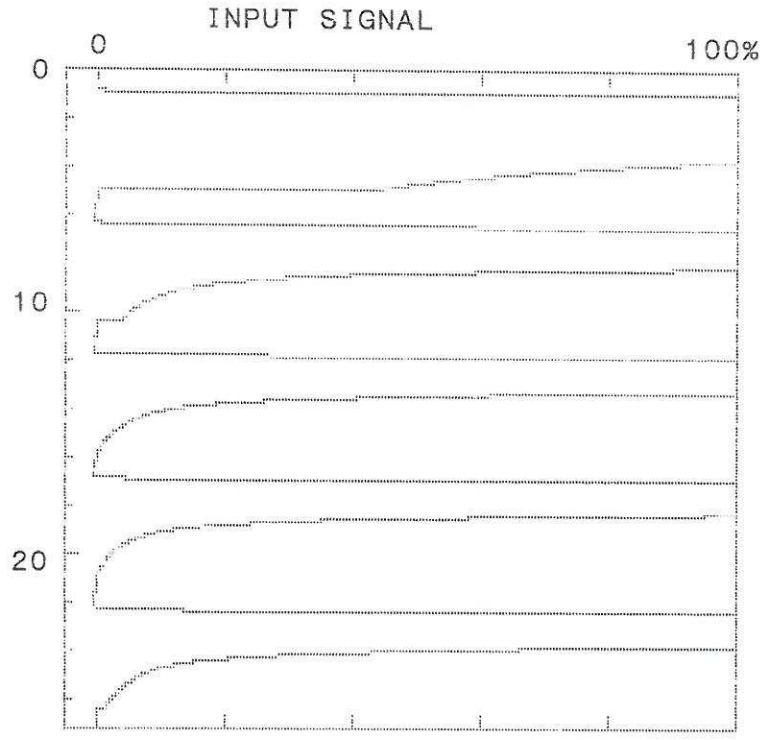
SAMPLE# 4 NPOC VIAL: 4
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	45088	19.12			
2	42846	18.11			
3	45419	19.27			
MN	45253	19.19			
SD	234	0.105			
CV	0.51 %				

COR CONC DIL 19.19 [x 1.0]
COR CONC INJ 19.19 [x 1.0]

DATE 08(AUG)-19-2013 13:41

MS dp
13H0569-02
108.2 %



TIME [min]

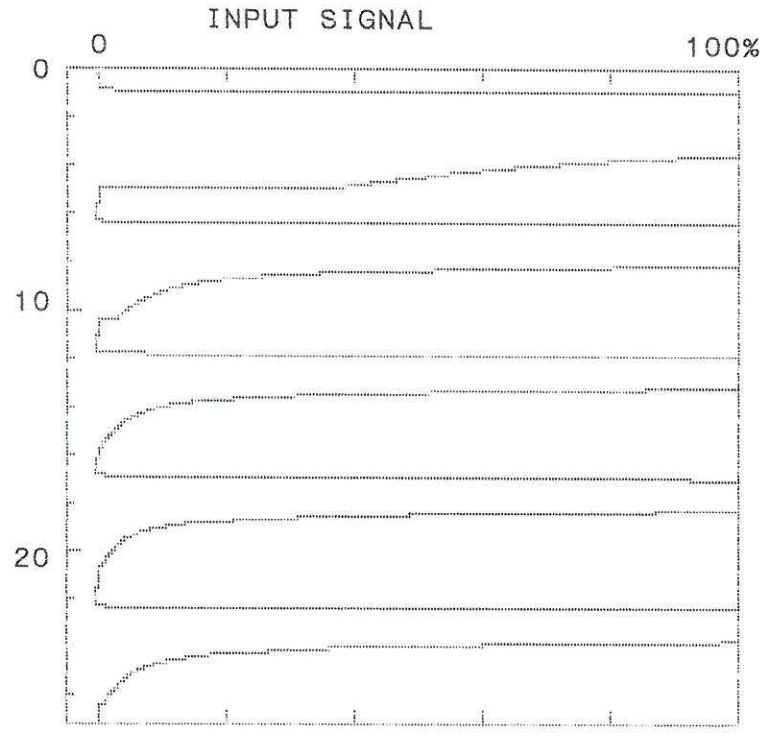
SAMPLE# 5 NPOC VIAL: 5
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	99999	43.85TH			
2	99999	269.1TH		30	
3	99999	539.4TH	0050		
4	99999	539.4TH	0050		
5	99999	539.4TH			
MN	99999	539.4			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL 539.4 [x 1.0]
COR CONC INJ 539.4 [x 1.0]

DATE 08(AUG)-19-2013 14:11

13H0542-01
Needs Dilution



TIME [min]

SAMPLE# 6 NPOC VIAL: 6
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

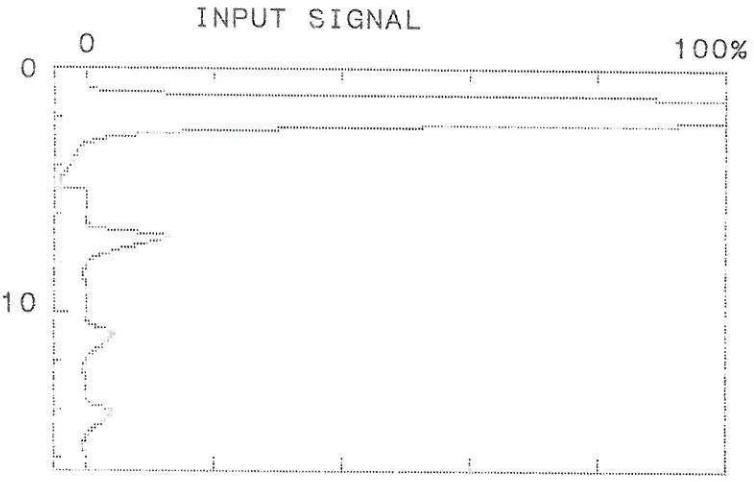
#	AREA	mg/l	C#	µl	RG
1	99999	43.85TH			
2	99999	269.1TH		30	
3	99999	539.4TH	0050		
4	99999	539.4TH	0050		
5	99999	539.4TH			
MN	99999	539.4			
SD	0	0.000			
CV	0.00 %				

COR CONC DIL 539.4 [x 1.0]
COR CONC INJ 539.4 [x 1.0]

DATE 08(AUG)-19-2013 14:44

13H0542-02

Needs Dilution



TIME [min]

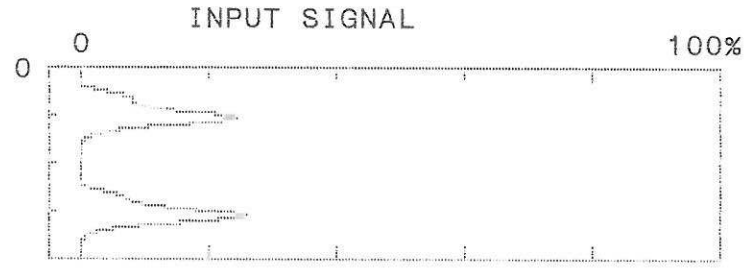
SAMPLE# 7 NPOC VIAL: 7
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	99999	43.85	H		
2	10101	26.11		30	
3	4243	10.27			
4	3851	9.218			
MN	4047	9.748			
SD	277	0.749			
CV	6.84 %				

COR CONC DIL 9.748 [x 1.0]
COR CONC INJ 9.748 [x 1.0]

DATE 08(AUG)-19-2013 15:06

13H 0009-01
redoing do to possible contamination from prior sample

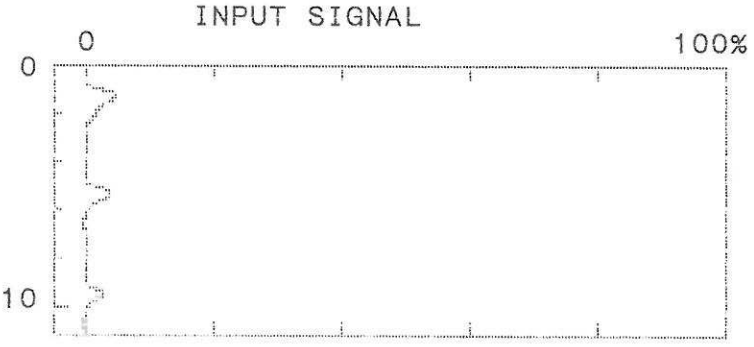


TIME [min]

```
SAMPLE#    8 NPOC  VIAL:   8
 [x 5,  100µl, C#  3, #WASH 2, SP  3min]
    #  AREA mg/l      C#  µl RG
    1 24838  9.999
    2 24540  9.864
   - - - - - - - - - - - - - - -
   MN 24689  9.932
   SD   210  0.095
   CV  0.85 %
   COR CONC DIL  9.932 [x 1.0]
   COR CONC INJ  9.932 [x 1.0]

        DATE  08(AUG)-19-2013  15:16
```

CCV




```
TIME [ min ]

SAMPLE#    9 NPOC  VIAL:   9
 [x 5,  100µl, C#  3, #WASH 2, SP  3min]
    #  AREA mg/l      C#  µl RG
    1  4126  0.668
    2  2992  0.157
    3- 1718  -0.41
   - - - - - - - - - - - - - - -
   MN  3559  0.413
   SD   801  0.361
   CV  22.5 %
   COR CONC DIL  0.413 [x 1.0]
   COR CONC INJ  0.413 [x 1.0]

        DATE  08(AUG)-19-2013  15:32
```

CCB

CALIBRATION CURVE FILE LIST

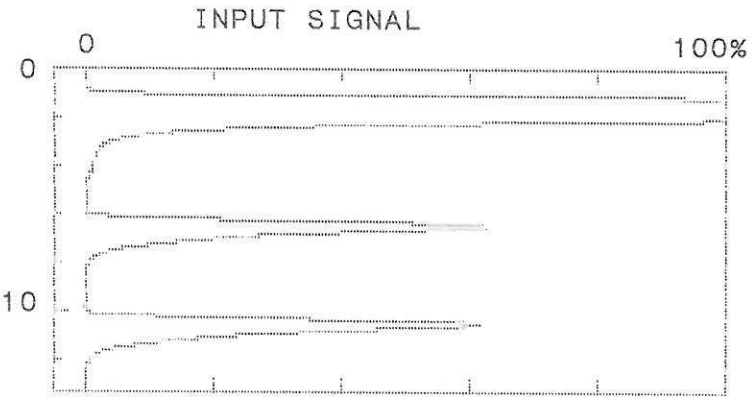
F#	TYP	MAX-C	P	STD SIZE	RG	C	CELL
2	TC	20.0mg/l	4	100/2500µl	5	N	
3	TC	20.0mg/l	4	100/2500µl	5	N	
4	TC	20.0mg/l	4	100/2500µl	5	N	
5	TC	20.0mg/l	4	100/2500µl	5	N	
6	TC	20.0mg/l	4	100/2500µl	5	N	
7	TC	20.0mg/l	4	100/2500µl	5	N	
8	TC	20.0mg/l	4	100/2500µl	5	N	
9	TC	20.0mg/l	4	100/2500µl	5	N	
10	TC	20.0mg/l	4	100/2500µl	5	N	
11	TC	20.0mg/l	4	100/2500µl	5	N	

F#	SP	W	AREA	SD	CV	DATE
2	3	2	43241	282	0.65	08(AUG)-14-2013
3	3	2	46922	261	0.55	08(AUG)-19-2013
4	3	2	44215	298	0.67	07(JUL)-25-2013
5	3	2	42830	749	1.75	07(JUL)-31-2013
6	3	2	35397	292	0.82	01(JAN)-03-2013
7	3	2	34578	446	1.29	01(JAN)-05-2013
8	3	2	33965	171	0.50	01(JAN)-12-2013
9	3	2	31172	561	1.80	06(JUN)-01-2012
10	3	2	19520	39	0.20	07(JUL)-11-2012
11	3	2	35393	0	0.00	02(FEB)-08-2013

TOC-5000 DATA REPORT
DATE 08(AUG)-19-2013 15:35

SPL#	POC	RMK	NPOC,mg/l	RMK	TOC
1			18.36	3****	
2			13.78	3****	
3			17.19	3****	
4			19.19	3****	
5			539.4	3RW**	
6			539.4	3RW**	
7			9.748	3RH**	
8			9.932	3****	
9			0.413	3****	

ANALYST :
SAMPLE :



TIME [min]

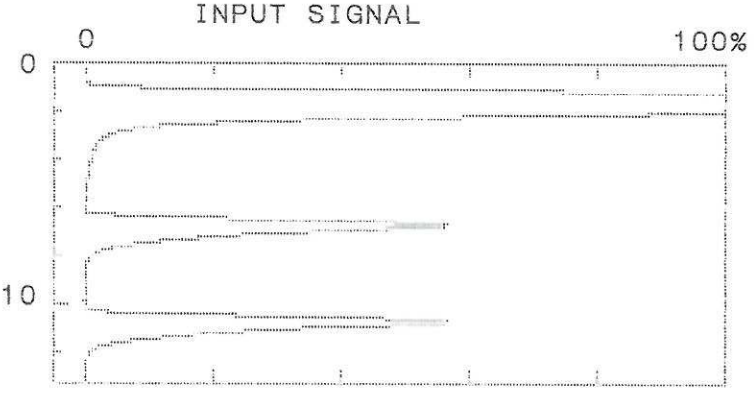
SAMPLE# 1 NPOC VIAL: 1
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	99999	43.85			H
2	45358	121.4		30	
3	45424	121.5			
MN	45391	121.5			
SD	46	0.126			
CV	0.10 %				

COR CONC DIL 121.5 [x 1.0]
COR CONC INJ 121.5 [x 1.0]

DATE 08(AUG)-19-2013 15:55

1340542-01 x100 Needs ↑ Dilution

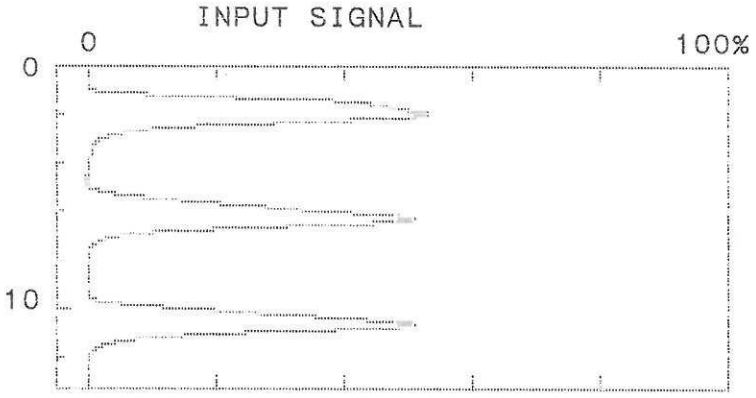


TIME [min]

```
SAMPLE#    2 NPOC  VIAL:  2
 [x 5,  100µl, C#  3, #WASH 2, SP  3min]
    #  AREA mg/l      C#  µl RG
    1-99999  43.85 H
    2 41015  109.6            30
    3 40653  108.6
   - - - - - - - - - - - - - - -
   MN 40834  109.1
   SD   255  0.692
   CV  0.62 %
   COR CONC DIL  109.1 [x 1.0]
   COR CONC INJ  109.1 [x 1.0]

        DATE  08(AUG)-19-2013  16:13
```

13H0542-02
x100
Needs ↑
D.Lution

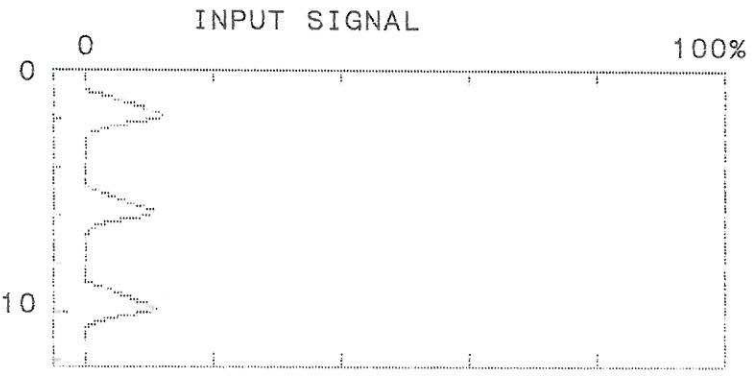



```
SAMPLE#    3 NPOC  VIAL:  3
 [x 5,  100µl, C#  3, #WASH 2, SP  3min]
    #  AREA mg/l      C#  µl RG
    1-60789  26.19
    2 53060  22.71
    3 48849  20.81
   - - - - - - - - - - - - - - -
   MN 50954  21.76
   SD  2977  1.341
   CV  5.84 %
   COR CONC DIL  21.76 [x 1.0]
   COR CONC INJ  21.76 [x 1.0]

        DATE  08(AUG)-19-2013  16:31
```

MS

13H0569-01
Possible contamination



TIME [min]

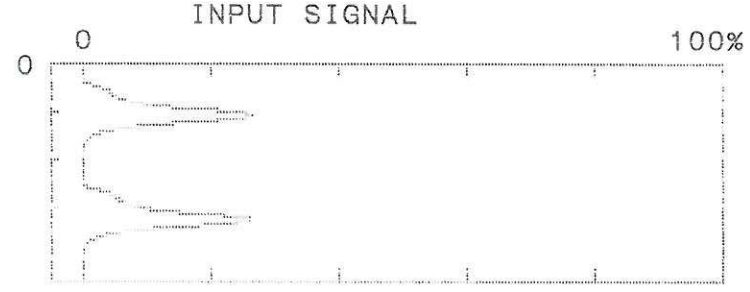
SAMPLE# 4 NPOC VIAL: 4
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	12797	4.574			
2	11054	3.789			
3	11490	3.985			
MN	11272	3.887			
SD	308	0.138			
CV	2.73 %				

COR CONC DIL 3.887 [x 1.0]
COR CONC INJ 3.887 [x 1.0]

DATE 08(AUG)-19-2013 16:44

13H0609-01



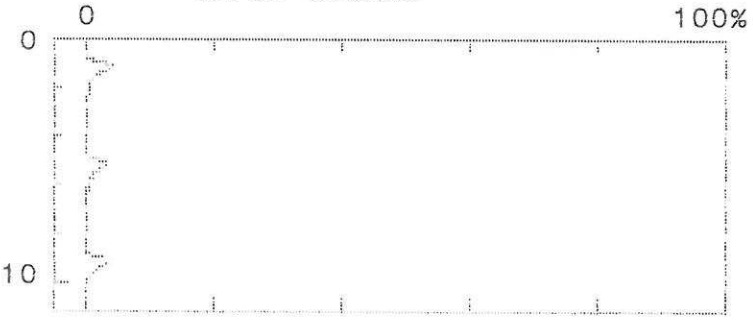
TIME [min]

SAMPLE# 5 NPOC VIAL: 5
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1	25110	10.12			
2	25017	10.07			
MN	25063	10.10			
SD	65	0.029			
CV	0.26 %				
COR CONC DIL		10.10 [x 1.0]			
COR CONC INJ		10.10 [x 1.0]			

101 % CCV

DATE 08(AUG)-19-2013 16:55



TIME [min]

SAMPLE# 6 NPOC VIAL: 6
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

#	AREA	mg/l	C#	µl	RG
1-	2754	0.050			
2	2159	-0.21			
3	2061	-0.26			
MN	2110	-0.23			
SD	69	0.031			
CV	3.28 %				
COR CONC DIL		-0.23 [x 1.0]			
COR CONC INJ		-0.23 [x 1.0]			

CLB

DATE 08(AUG)-19-2013 17:10

CALIBRATION CURVE FILE LIST

F#	TYP	MAX-C	P	STD SIZE	RG	C	CELL
2	TC	20.0mg/l	4	100/2500µl	5	N	
3	TC	20.0mg/l	4	100/2500µl	5	N	
4	TC	20.0mg/l	4	100/2500µl	5	N	
5	TC	20.0mg/l	4	100/2500µl	5	N	
6	TC	20.0mg/l	4	100/2500µl	5	N	
7	TC	20.0mg/l	4	100/2500µl	5	N	
8	TC	20.0mg/l	4	100/2500µl	5	N	
9	TC	20.0mg/l	4	100/2500µl	5	N	
10	TC	20.0mg/l	4	100/2500µl	5	N	
11	TC	20.0mg/l	4	100/2500µl	5	N	

F#	SP	W	AREA	SD	CV	DATE
2	3	2	43241	282	0.65	08(AUG)-14-2013
3	3	2	46922	261	0.55	08(AUG)-19-2013
4	3	2	44215	298	0.67	07(JUL)-25-2013
5	3	2	42830	749	1.75	07(JUL)-31-2013
6	3	2	35397	292	0.82	01(JAN)-03-2013
7	3	2	34578	446	1.29	01(JAN)-05-2013
8	3	2	33965	171	0.50	01(JAN)-12-2013
9	3	2	31172	561	1.80	06(JUN)-01-2012
10	3	2	19520	39	0.20	07(JUL)-11-2012
11	3	2	35393	0	0.00	02(FEB)-08-2013

TOC-5000 DATA REPORT
DATE 08(AUG)-19-2013 17:14

SPL#	POC	RMK	NPOC,mg/l	RMK	TOC
1			121.5	3RH**	
2			109.1	3RH**	
3			21.76	3****	
4			3.887	3****	
5			10.10	3****	
6			-0.23	3****	

ANALYST :
SAMPLE :

PREPARATION BENCH SHEET

B079056

Con-Test Analytical Laboratory

'rinted: 8/26/2013 3:44:04PM

Matrix: Water **Prepared using: WET CHEMISTRY - NO PREP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
13H0490-01	Chloride by SM4500 Cl	08/21/13 13:10	100	100					CDM Smith, Inc. - NY	
13H0490-02	Chloride by SM4500 Cl	08/21/13 13:10	100	100					CDM Smith, Inc. - NY	
13H0490-03	Chloride by SM4500 Cl	08/21/13 13:10	100	100					CDM Smith, Inc. - NY	
13H0490-04	Chloride by SM4500 Cl	08/21/13 13:10	100	100					CDM Smith, Inc. - NY	
13H0490-07	Chloride by SM4500 Cl	08/21/13 13:10	100	100					CDM Smith, Inc. - NY	
13H0490-08	Chloride by SM4500 Cl	08/21/13 13:10	100	100					CDM Smith, Inc. - NY	
13H0569-01	Chloride by SM4500 Cl	08/21/13 13:10	100	100					CDM Smith, Inc. - NY	
13H0569-02	Chloride by SM4500 Cl	08/21/13 13:10	100	100					CDM Smith, Inc. - NY	
13H0613-01	Chloride by SM4500 Cl	08/21/13 13:10	100	100					[redacted]	
B079056-BLK1	QC	08/21/13 13:10	100	100						
B079056-BS1	QC	08/21/13 13:10	100	100	1308057		1			
B079056-BSD1	QC	08/21/13 13:10	100	100	1308057		1			
B079056-MS1	QC	08/21/13 13:10	100	100	1212178	13H0569-02	5000			
B079056-MSD1	QC	08/21/13 13:10	100	100	1212178	13H0569-02	5000			

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

STOCK (12121 TS) exp. 12/18/13 Titrimetric Determinations *Date Standardized
Pot. chrom (WC40-T90) Method Summary Worksheet 1:10pm (WC40-378) Titrant

Analysis: Chloride Method #: SM4500Cl-B Date/Analyst: 8/21/13 VAK 005

QC Reference sample: 1308057 True Value: 12.96 mg/L Range: (84.4 - 115%) Titrant Normality/Date*: 0.0138N / 8-1-1

Sample Id#	buret mls final - initial - Blk =	mls used	[Calculation / Final Concentrations]	Clients / Comments
Blank	0.0 - 0.5 ✓	0.5		
Standard LCS	3.0 - 0.5 ✓	2.5	(.0138)(3545)/100 = 12.23 ✓	(94%)
QC Reference DD	3.0 - 0.5 ✓	2.5	/100 = 12.23 ✓	(94%)
1340490-01	(5x) 6.8 - 0.5 ✓	6.3	/100 = 30.82 x5	= 154.1 ✓
0490-02	(5x) 14.85 - 0.5 ✓	14.35	/100 = 70.28 x5	= 351.0 ✓
0490-03	(5x) 8.0 - 0.5 ✓	7.5	/100 = 36.69 x5	= 183.45 ✓
0490-04	(5x) 4.4 - 0.5 ✓	3.9	/100 = 19.08 x5	= 95.4 ✓
0490-07	(5x) 8.2 - 0.5 ✓	7.7	/100 = 37.67 x5	= 188.35 ✓
0490-08	8.0	8.0	/100 = 39.14 ✓	
0569-01	(5x) 6.5 - 0.5 ✓	6.0	/100 = 29.35 x5	= 146.75 ✓
0569-02	(5x) 6.5 - 0.5 ✓	6.0	/100 = 29.35 x5	= 146.75 ✓
MS	(5x) 8.75 - 0.5 ✓	8.25	/100 = 40.36 x5 = 201.8	(110%) TV=50
MSD	(5x) 8.65 - 0.5 ✓	8.15	/100 = 39.87 x5 = 199.35	(105%) TV=50
~~Dup.~~ 0613-01	2.7	2.7 ✓	/100 = 13.21 ✓	
MS 0630-01	(2x) 7.3 - 0.5 ✓	6.8	/100 = 33.27 x2 = 66.54 ✓	
Cal.ck (std.) CCV	2.5 - 0.5 ✓	2.0	/100 = 9.78 ✓	(98%) True Value: 10.0
Dup.				
MS				
Cal.ck (std.)				True Value:

OK
KMD
8/21/13

ph = 7.0
lpp# 4115356

Sample Id#	1st Result	2nd Result	RPD	Sample Id#	Spiked Sample	Spike Added	% Recovery

PREPARATION BENCH SHEET

B079065

Con-Test Analytical Laboratory

'rinted: 8/19/2013 2:41:32PM

Matrix: Water **Prepared using: WET CHEMISTRY - SM 4500 NO3-F** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
13H0490-01	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					CDM Smith, Inc. - NY	
13H0490-02	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					CDM Smith, Inc. - NY	
13H0490-03	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					CDM Smith, Inc. - NY	
13H0490-04	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					CDM Smith, Inc. - NY	
13H0490-07	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					CDM Smith, Inc. - NY	
13H0490-08	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					CDM Smith, Inc. - NY	
13H0503-01	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					[redacted]	
13H0553-06	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					[redacted]	
13H0569-01	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					CDM Smith, Inc. - NY	
13H0569-02	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					CDM Smith, Inc. - NY	
13H0609-01	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					[redacted]	
13H0624-02	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					[redacted]	
13H0674-02	Nitrate-Nitrogen (NO3)	08/19/13 09:58	25	25					[redacted]	
B079065-BLK1	QC	08/19/13 09:58	25	25						
B079065-BS1	QC	08/19/13 09:58	25	25	1304073		1			
B079065-BSD1	QC	08/19/13 09:58	25	25	1304073		1			
B079065-MS1	QC	08/19/13 09:58	25	25	1304078	13H0569-02	1000			
B079065-MSD1	QC	08/19/13 09:58	25	25	1304078	13H0569-02	1000			

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

P. 1 of 2
NO_3/NO_2 8-19-13 / VAX
Lachat 10-107-04-1-A
2.14 p.13

Creator : Lachat Instruments
Creation Date : 6/22/2011 12:32:36 PM
Last Modified : 6/22/2011 12:32:53 PM
Description : 9:58 AM

B079065

Cup	Sample ID	MDF	Weight	Sample Type	Comments
S1	Cal Std 1			Calibration Standard	
S1	Cal Std 2			Calibration Standard	
S1	Cal Std 3			Calibration Standard	Corr # 1.00000
S1	Cal Std 4			Calibration Standard	
S1	Cal Std 5			Calibration Standard	
S2	Cal Std 6			Calibration Standard	
S3	LCS = 4.78 MG/L			Check Standard	4.72 (99%)
S4	ICV NO3 = 4.0 MG/L			Check Standard	4.22 (106%)
S5	ICV NO2 = 4.0 MG/L			Check Standard	4.26 (107%)
S3	LCS DUP = 4.78 MG/L			Check Standard	4.68 (98%)
1	13H0490-01			Unknown	[0.189 − .371] = Ø
2	13H0490-02			Unknown	0.0133
3	13H0490-03			Unknown	0.0105
4	13H0490-04			Unknown	[Ø − .020] = Ø
5	13H0490-07			Unknown	0.00267
6	BLANK (method)			Unknown	0.00504 (<.05)
7	13H0490-08			Unknown	1.54
8	13H0503-01			Unknown	[0.541 − .015] = 0.526
9	13H0518-01			Unknown	0.0485
10	13H0553-06			Unknown	[0.204 − .164] = 0.040
S1	CCV = 5.0 MG/L			Check Standard	4.91 mg/L (98%)
11	13H0569-01			Unknown	Ø
12	BLANK			Unknown	Ø
13	13H0569-02			Unknown	0.0111
14	13H0569-02 MS=4.0 MG/L			Unknown	4.06 mg/L (102%)
15	13H0569-02 MSD=4.0 MG/L			Unknown	3.90 mg/L (98%)
16	13H0609-01			Unknown	[4.09 − .126] = 3.964
17	13H0624-02			Unknown	[0.024 − .030] = Ø
18	BLANK			Unknown	Ø
19	13H0627-01			Unknown	0.0562
20	13H0630-01			Unknown	1.90
S1	CCV = 5.0 MG/L			Check Standard	5.05 mg/L (101%)
21	13H0630-01 DUP			Unknown	1.94
22	13H0630-01 MS=4.0 MG/L			Unknown	6.18 mg/L (104%)
23	13H0674-02			Unknown	[1.59 − .250] = 1.34
24	BLANK			Unknown	Ø
25	13H0680-01			Unknown	0.104
S1	CCV = 5.0 MG/L			Check Standard	4.80 mg/L (96%)

413

Analyte Table	NOX
	(mg/L)
Cal Std 1	10.0
Cal Std 6	0.00

Author: Lachat Instruments

Date : 8/19/2013

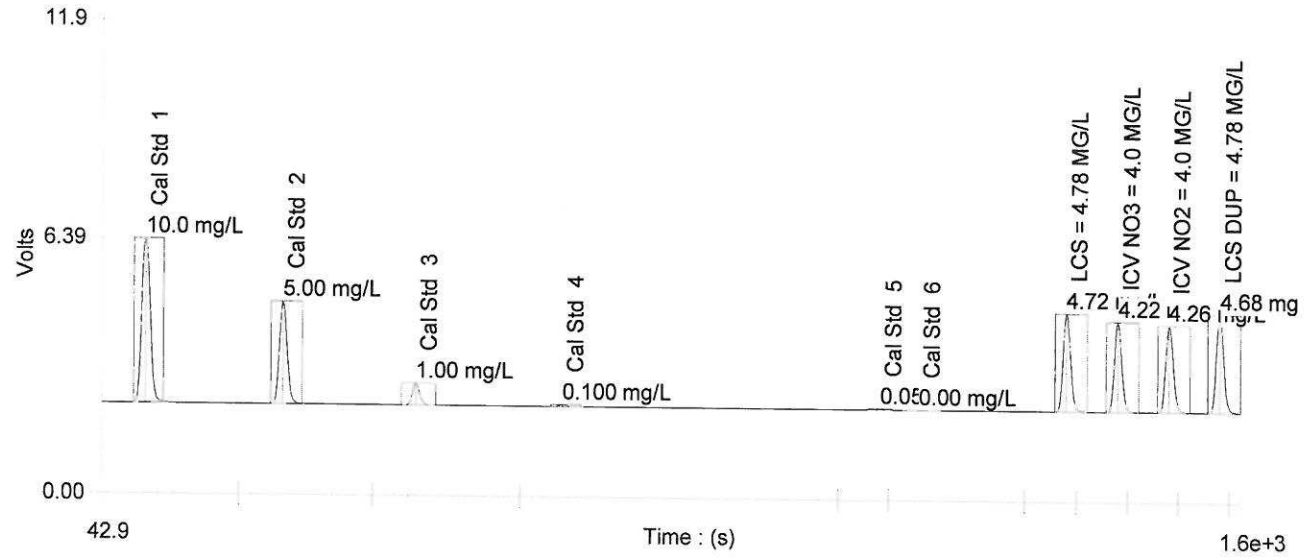
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Original Run Author's Signature: [Lachat Instruments]
Current Run Filename: OM_8-19-2013_08-49-38AM.OMN Last Modified: 8/19/2013 9:58:12 AM
Current Run Author's Signature: [Lachat Instruments]
Description: LACHAT 10-107-04-1-A

Sample	Rep.	Cup No.	Channel 1 NOX Conc. (mg/L)	Area (V.s)	Height (V)	ADF
Cal Std 1	1	S1	10.0	56.0	4.11	
Cal Std 2	1	S1	5.00	31.2	2.56	2.00
Cal Std 3	1	S1	1.00	6.40	0.551	10.00
Cal Std 4	1	S1	0.100	0.662	0.0555	100.00
Cal Std 5	1	S1	0.0500	0.335	0.0283	200.00
Cal Std 6	1	S2	0.00	7.93e-3	1.49e-3	
DQM Test: Minimum Correlation Coefficient						
		Result:	1.00000 > 0.99700			
		Message	PASS			
		Action	Continue			
LCS = 4.78 MG/L	1	S3	4.72	29.1	2.45	
		Known Conc:	4.78			
		Calibration:	Table/Fig. : 1			
ICV NO3 = 4.0 MG/L	1	S4	4.22	26.3	2.25	
		Known Conc:	4.00			
ICV NO2 = 4.0 MG/L	1	S5	4.26	26.5	2.17	
		Known Conc:	4.00			
LCS DUP = 4.78 MG/L	1	S3	4.68	28.9	2.45	
		Known Conc:	4.78			
13H0490-01	1	1	0.189	1.28	0.104	
13H0490-02	1	2	0.0133	0.0819	5.43e-3	
13H0490-03	1	3	0.0105	0.0625	2.89e-3	
13H0490-04	1	4	-9.27e-3	-0.0732	-2.99e-3	
13H0490-07	1	5	2.67e-3	8.95e-3	1.73e-3	
BLANK	1	6	5.04e-3	0.0252	2.78e-3	
13H0490-08	1	7	1.54	10.2	0.984	
13H0503-01	1	8	0.541	3.66	0.356	
13H0518-01	1	9	0.0485	0.324	0.0163	
13H0553-06	1	10	0.204	1.39	0.116	
CCV = 5.0 MG/L	1	S1	4.91	30.2	2.58	2.00
		Known Conc:	5.00			
13H0569-01	1	11	-0.0101	-0.0787	-3.52e-3	
BLANK	1	12	-3.59e-3	-0.0341	-2.49e-3	
13H0569-02	1	13	0.0111	0.0672	5.48e-3	
13H0569-02 MS=4.0 MG/L	1	14	4.06	25.4	2.39	
13H0569-02 MSD=4.0 MG/L	1	15	3.90	24.4	2.32	
13H0609-01	1	16	4.09	25.5	2.41	
13H0624-02	1	17	0.0224	0.145	0.0125	
BLANK	1	18	-5.57e-3	-0.0478	-1.81e-3	
13H0627-01	1	19	0.0562	0.377	0.0221	
13H0630-01	1	20	1.90	12.4	1.07	
CCV = 5.0 MG/L	1	S1	5.05	30.9	2.67	2.00
		Known Conc:	5.00			
13H0630-01 DUP	1	21	1.94	12.7	1.10	
13H0630-01 MS=4.0 MG/L	1	22	6.18	37.0	3.05	
13H0674-02	1	23	1.59	10.5	1.02	
BLANK	1	24	-0.0106	-0.0825	-2.50e-3	
13H0680-01	1	25	0.104	0.703	0.0402	
CCV = 5.0 MG/L	1	S1	4.80	29.6	2.57	2.00
		Known Conc:	5.00			

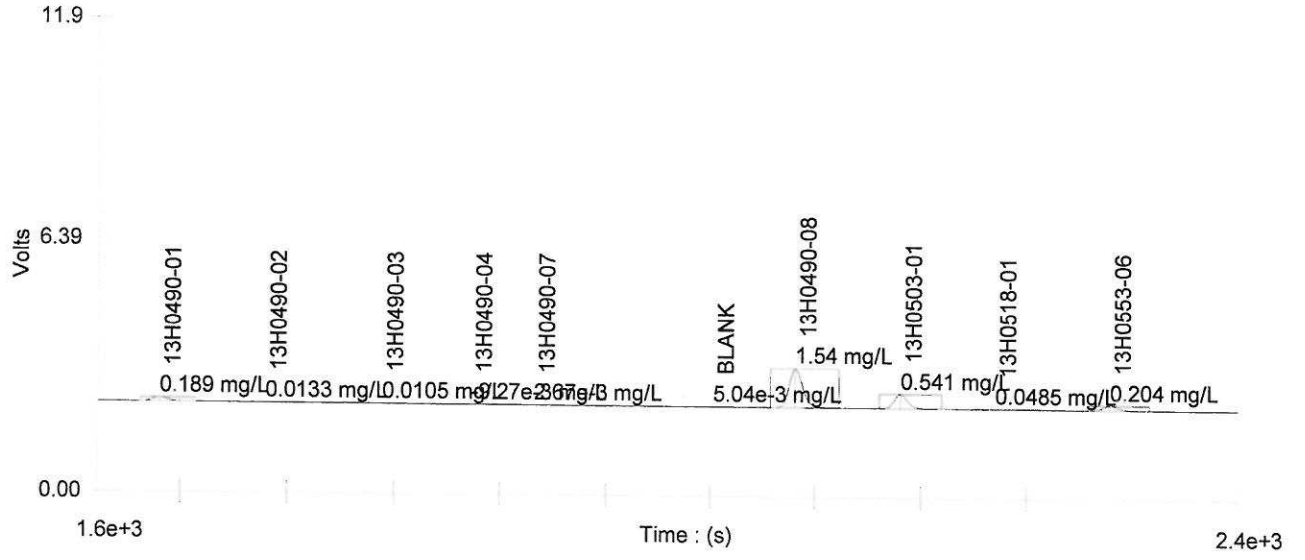
Author: Lachat Instruments

Date : 8/19/2013

Channel 1 (NO3-NO2) - Set: 1 / 4



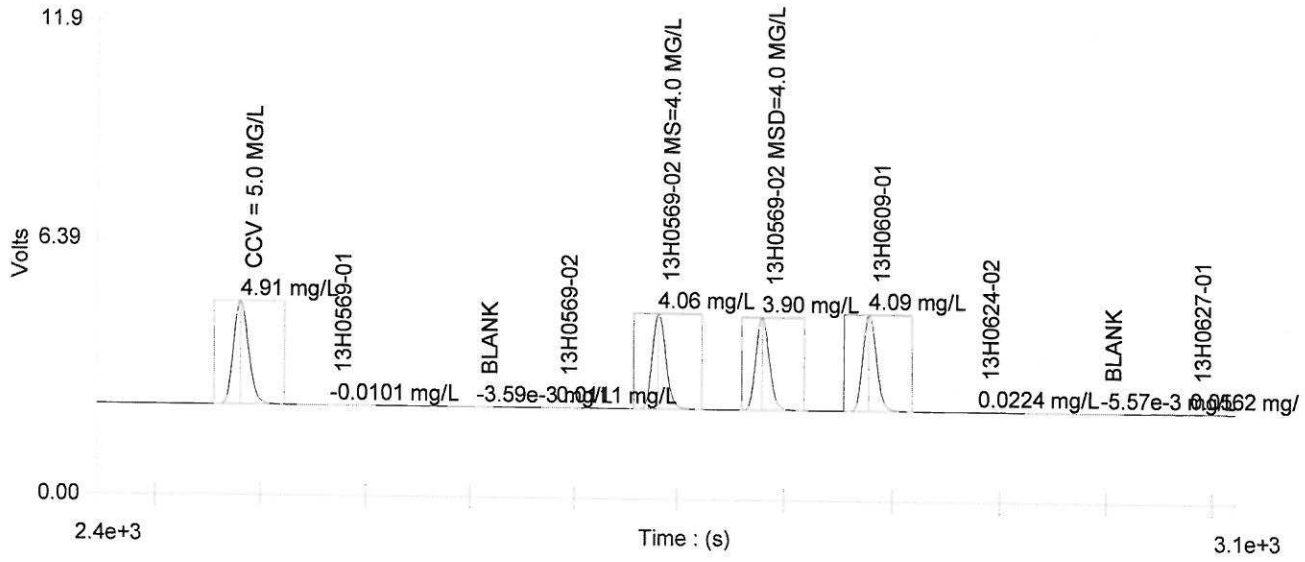
Channel 1 (NO3-NO2) - Set: 2 / 4



Author: Lachat Instruments

Date : 8/19/2013

Channel 1 (NO3-NO2) - Set: 3 / 4



Channel 1 (NO3-NO2) - Set: 4 / 4

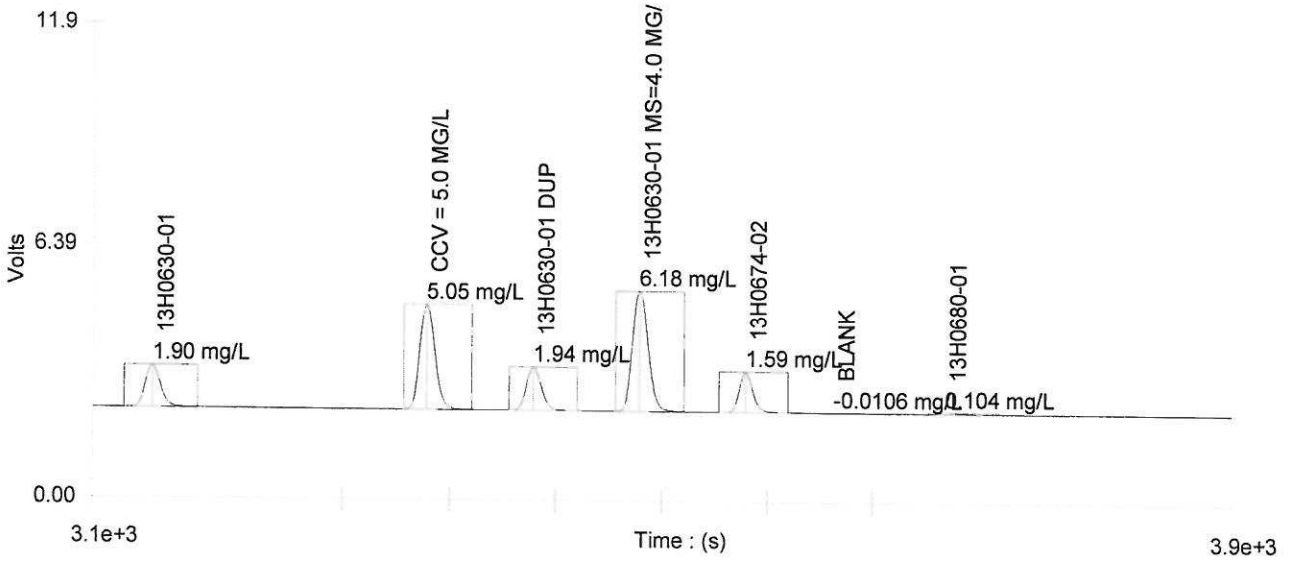


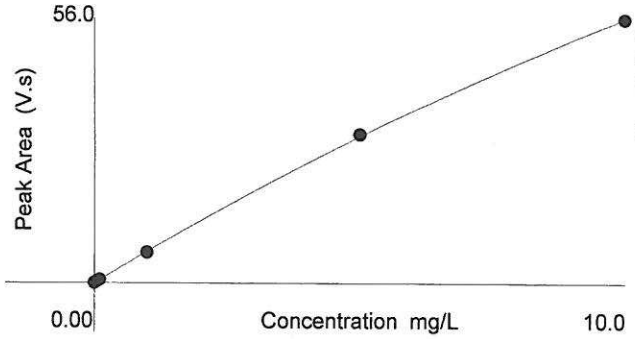
Table : 1 (NOX)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	10.0	1	56.0	4.11	0.0	0.3	9.95	8/19/2013	8:50:24 AM
2	5.00	1	31.2	2.56	0.0	-1.2	5.10	8/19/2013	8:53:35 AM
3	1.00	1	6.40	0.551	0.0	3.1	0.955	8/19/2013	8:56:38 AM
4	0.100	1	0.662	0.0555	0.0	0.9	0.0979	8/19/2013	9:00:02 AM
5	0.0500	1	0.335	0.0283	0.0	-0.3	0.0501	8/19/2013	9:07:22 AM
6	0.00	1	7.93e-3	1.49e-3			2.53e-3	8/19/2013	9:08:31 AM

Author: Lachat Instruments

Date : 8/19/2013

Figure : 1 (NOX)



Area = - 0.110 * Conc^2 + 6.71 * Conc - 1.59e-3
Conc = 5.77e-4 * Area^2 + 0.145 * Area + 1.37e-3
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

PREPARATION BENCH SHEET

B079077

Con-Test Analytical Laboratory

'rinted: 8/21/2013 6:31:25PM

Matrix: Water **Prepared using: WET CHEMISTRY - NO PREP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
13H0490-01	Ferrous Iron by SM350(	08/19/13 14:45	50	50					CDM Smith, Inc. - NY	.012
13H0490-02	Ferrous Iron by SM350(	08/19/13 14:45	50	50					CDM Smith, Inc. - NY	.047
13H0490-03	Ferrous Iron by SM350(	08/19/13 14:45	50	50					CDM Smith, Inc. - NY	.034
13H0490-04	Ferrous Iron by SM350(	08/19/13 14:45	50	50				2X	CDM Smith, Inc. - NY	.144
13H0490-07	Ferrous Iron by SM350(	08/19/13 14:45	50	50					CDM Smith, Inc. - NY	.004
13H0490-08	Ferrous Iron by SM350(	08/19/13 14:45	50	50					CDM Smith, Inc. - NY	.005
13H0569-01	Ferrous Iron by SM350(	08/19/13 14:45	50	50				2X	CDM Smith, Inc. - NY	.103
13H0569-02	Ferrous Iron by SM350(	08/19/13 14:45	50	50					CDM Smith, Inc. - NY	.032
B079077-BLK1	QC	08/19/13 14:45	50	50						.002
B079077-BS1	QC	08/19/13 14:45	50	50	1303262		200		TV= 0.4	102% .121
B079077-BSD1	QC	08/19/13 14:45	50	50	1303262		200		"	99.1% .118
B079077-MS1	QC	08/19/13 14:45	50	50	1303261	13H0569-02	200		TV= 0.4	98.7% .135 ~~.030~~ n/a
B079077-MSD1	QC	08/19/13 14:45	50	50	1303261	13H0569-02	200		TV= "	96.9% .133

phenanthroline WC40-2335
ammonium acetate WC40-0241
genesys #3
eppendorf 3431147

MDL 0.030 ⇒ 0.18/.2 90%
MDL 0.0241 ⇒ 0.17/.2 85%
MDL 0.0241 ⇒ 0.17/.2 88%

ICV 0.117 ⇒ 0.782 / 0.4 98%

CCV .0241 ⇒ .0.175 / 0.2 88%

CCV .030 ⇒ 0.182 / 0.2 91%

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

Import Spec. - WC Water

Initial Calibration Date:		Test Code:	
Analyst:	VLA	Prep Date/Time:	8/19/13 14:45
		Analysis Date/Time:	8/19/13 14:45
Analyte:	Ferrous Iron	Units:	mg/L
Method:	SM3500 Fe D		

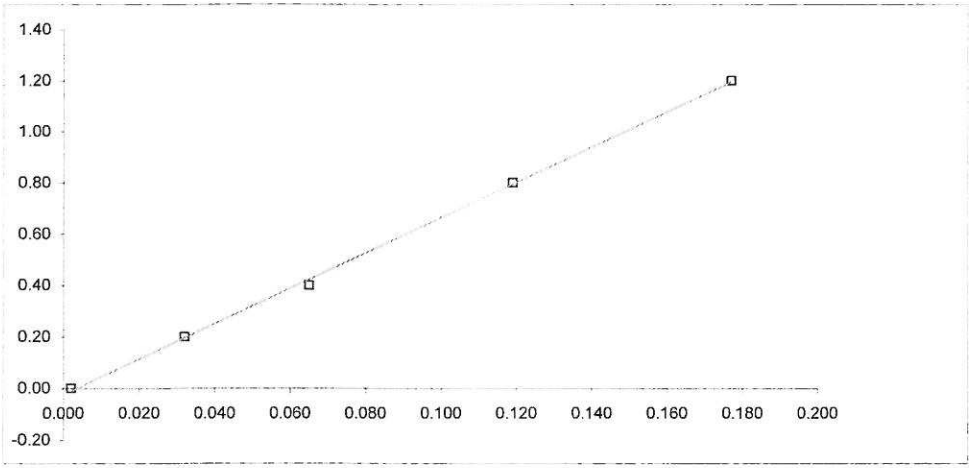
Measured Response	Standards I.D.	Actual Concentration	Calculated Value (linear)
0.002		0.00	-0.011
0.032		0.20	0.196
0.065		0.40	0.423
0.119		0.80	0.796
0.177		1.20	

Batch ID: B079077

LINEAR EQUATION

y=a+bx

a=	0.0035776
b=	0.1450431
r=	0.9996110



Volume Initial

Volume Final

Calculation: mg/L = (Raw value from curve) * DF

Calculation: mg/kg = (Raw value from curve) * (Extract Vol./Sample Wt.) * DF

Import Spec. - WC_Water

#	Sample ID	Client ID	SampType	Response (abs)	Analytical Time	Sample Aliquot (gms)	Sample Vol (mls)	Extraction Volume (mls)	DF	Analyte	Net DF	RawVal	Final Conc. mg/L
	13H0490-01	MW-01_08-13-13	Sample	0.012	8/19/13 14:45		50		1		1	0.05806835	0.05806835
	13H0490-02	MW-02_08-13-13	Sample	0.047	8/19/13 14:45		50		1		1	0.299375921	0.299375921
	13H0490-03	MW-08_08-13-13	Sample	0.034	8/19/13 14:45		50		1		1	0.209747404	0.209747404
	13H0490-04	MW-03_08-13-13	Sample	0.144	8/19/13 14:45		50		2		2	0.968142569	1.936285138
	13H0490-07	MW-07_08-13-13	Sample	0.009	8/19/13 14:45		50		1		1	0.037384842	0.037384842
	13H0490-08	MW-05_08-13-13	Sample	0.005	8/19/13 14:45		50		1		1	0.009806834	0.009806834
	13H0569-01	MW-04_08-14-13	Sample	0.103	8/19/13 14:45		50		2		2	0.685468018	1.370936036
	13H0569-02	MW-06_08-14-13	Sample	0.032	8/19/13 14:45		50		1		1	0.195958406	0.195958406
	B079077-BLK1	-	Blank	0.002	8/19/13 14:45		50		1		1	-0.010876671	-0.010876671
	B079077-BS1	-	LCS	0.121	8/19/13 14:45		50		1		1	0.809569061	0.809569061
	B079077-BSD1	-	LCS Dup	0.118	8/19/13 14:45		50		1		1	0.788885593	0.788885593
	B079077-MS1	13H0569-02	Matrix Spike	0.135	8/19/13 14:45		50		1		1	0.906092167	0.906092167
	B079077-MSD1	13H0569-02	Matrix Spike Dup	0.133	8/19/13 14:45		50		1		1	0.892303109	0.892303109

Final Conc. mg/kg
0
0
0
0
0
0
0
0
0
0
0
0
0

PREPARATION BENCH SHEET

B078961

Con-Test Analytical Laboratory

'rinted: 8/23/2013 2:35:32PM

Matrix: Water **Prepared using: WET CHEMISTRY - NO PREP** **(No Surrogate)**

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Client	Extraction Comments
13H0490-01	Specific Conductance b	08/16/13 12:15	100	100					CDM Smith, Inc. - NY	
13H0490-02	Specific Conductance b	08/16/13 12:15	100	100					CDM Smith, Inc. - NY	
13H0490-03	Specific Conductance b	08/16/13 12:15	100	100					CDM Smith, Inc. - NY	
13H0490-04	Specific Conductance b	08/16/13 12:15	100	100					CDM Smith, Inc. - NY	
13H0490-07	Specific Conductance b	08/16/13 12:15	100	100					CDM Smith, Inc. - NY	
13H0490-08	Specific Conductance b	08/16/13 12:15	100	100					CDM Smith, Inc. - NY	
13H0569-01	Specific Conductance b	08/16/13 12:15	100	100					CDM Smith, Inc. - NY	
13H0569-02	Specific Conductance b	08/16/13 12:15	100	100					CDM Smith, Inc. - NY	
B078961-BLK1	QC	08/16/13 12:15	100	100						
B078961-BS1	QC	08/16/13 12:15	100	100	1305182		100000			
B078961-DUP1	QC	08/16/13 12:15	100	100		13H0569-02				

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CONDUCTIVITY

A duplicate analysis is required per batch per day

DATE	ANALYST	LAB ID #	CLIENT	CALCULATION	RESULT (µmhos/cm)
8/15/13	KP/CM	13H0535-31	Weston+Sampson	~~4.807~~ 5.63/21.8 -25(.0191)+1	5.997
	1:36 pm	-32		7.28/21.3	7.83
		536-17		7.01/21.2	7.56
		-17 dup		6.74/21.1	7.28
	97.4%	CCV (030412)	TV=289	260/21.3	281.92
		13H0536-18	Weston+Sampson	6.56/20.9	7.12
		-19		5.75/20.9	6.24
		-20		6.63/21.0	7.18
		565-02	Northeast Utilities	3.20/23.0	3.33
		539-01	BL Companies	6.68/22.1	7.07
		540-01		15.26/21.8	16.25
		540-01 dup		15.22/21.6	16.28
	97.8%	CCV (030412)	TV=289	260/22.1	282.46
8/16/13	KP/CM	Blank (17.5)	DI	671/22.4-25(.0191)+1	=0.75
	12:6pm	.00im (WC40-052)	TV=147	134.5/21.5	= 144.14
	92%	.01m (WC39-359)	TV=1413	1201/21.0	= 1300.35
		13H0534-01		6.43/22.2	= 6.79
		571-01		2.62/21.8	= 2.79
		571-02		3.64/21.8	= 3.88
		590-01		2.58/22.2	= 2.73
		-02		2.29/21.6	= 2.45
		-03		3.28/21.4	= 3.52

DUPLICATE ANALYSIS INFORMATION

DATE	ANALYST	LAB #	CLIENT	SAMPLE RESULT	DUPLICATE RESULT	RANGE

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CONDUCTIVITY

A duplicate analysis is required per batch per day

DATE	ANALYST	LAB ID #	CLIENT	CALCULATION	RESULT (µmhos/cm)
8/16/13	KP (CM	13H0596-01		221/21.4-25(.0191)+1	2.37 ✓
	12:16 pm	-02		1.99/21.2	~~3.53~~ 2.15 ✓ 8/16/13
		-03		2.71/~~22.2~~ 22.2	2.86 ✓
		-04		211/22.7	2.201 8/16/13
		-04 dup		1.90/21.4	2.04 ✓
	97.2%	CCV (0308412)	TV=289	259/20.9	281.01 ✓
		13H0596-05		2.32/21.5	2.49 ✓
		-06		3.31/22.0	3.51 ✓
		490-01		1034/17.2	1215.01 ✓
		-02		1185/15.4	1451.07 ✓
		-03		1074/15.1	1324.44 ✓
		-04		1137/15.1	1402.13 ✓
		-07		1143/13.5	1464.73 ✓
		-08		936/14.6	793.65 ✓
		569-01		1093/15.4	1338.41 ✓
		-02		918/14.3	1153.80 ✓
		-02 dup		915/14.1	1155.58 ✓
	97.8%	CCV (0308412)	TV=289	260/20.8	282.68 ✓
	*run before CCV	13H0596-06 dup		3.28/21.8-25(.0191)*1=	3.49 ✓
8/17/13	CM	Blank	DI 17.0	.70/21.3-25(.0191)*1=	0.81 ✓
11:33 pm		.001m (WC410-052)	TV=147	133.9/20.7	145.88 ✓ 99.2%
		.01m (WC39-359)	TV=1413	1167/20.3	1292.09 ✓ 90.7%

DUPLICATE ANALYSIS INFORMATION

DATE	ANALYST	LAB #	CLIENT	SAMPLE RESULT	DUPLICATE RESULT	RANGE

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